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Letter No. AGPL /Env/MoEF&CC/Self certified/2025/037 **Dated: 30.11.2025.**

To

The Integrated Regional Officer (IRO),

Ministry of Environment, Forest & Climate Changes (MoEF&CC),

Green House Complex, Gopal Reddy Road,

Vijayawada, Andhra Pradesh – 520010

Dear Sir,

Sub: AGPL – Self Certified Half Yearly Compliance Report on the conditions of EC & CRZ clearances of MoEF & CC along with the APPCB CTE & CTO Compliance and Monitoring reports for the period of April 2025 to September 2025– Submitted – Reg.

Ref:

1. MoEF & CC EC Order 10-3/2005-IA.III dated 11.03.2005
2. MoEF & CC EC & CRZ Clearance No.10-14/2009-IA.III, dated 19.03.2010.
3. EC & CRZ Clearance No. 11-91/2010-IA-III dated 07.02.2012.
4. APPCB CTO Order No. APPCB/VSP/ VSP/ 113/ CFE/ HO/ 2012 – 3923, dated 02.03.2012.
5. APPCB CTO & HWA Order No. APPCB/VSP/VSP/113/CFO/HO/2015, dated 13.01.2016
6. APPCB Auto Renewal CTO Order No APPCB/VSP/ VSP/113/ CFO/HO/2010-2020, dated 10.09.2020
7. APZCMA NOC No. Letter No. 338/CRZ/Port/2021 24/10/2021, Specific and general conditions
8. EC & CRZ Clearance dated 24.12.2021.
9. APPCB CTE Order No. APPCB/ VSP/ VSP/ 113/ CFE/ HO/2012, dated 16.08.2022.
10. APPCB CTO (Amendment) Order No. APPCB/VSP/113/CFO/ HO/2015, 13.01.2023
11. APPCB CTO Order No. APPCB/VSP/113/CFO/ HO/2029, 22.08.2023, Valid up to 31.12.2025.

In compliance with the following statutory conditions, we Adani Gangavaram Port Ltd., (formerly known as Gangavaram Port Limited) are herewith submitting the Self certified Half Yearly Compliance Report on the conditions stipulated in MoEF & CC EC & CRZ clearances along with the Compliance status on APPCB CTE & CTO orders referred above for the period of April 2025 to September 2025

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
Tel + 91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com
Registered Office : Adani Corporate House, Shanthigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

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A) MoEF & CC, S.O. 3067 (E) dated 01.12.2009, S.O. 5845 (E) dated 26.11. 2018 and the News Paper Notification dated 15.09.2019, the project proponent of Andhra Pradesh State shall upload their 6 monthly compliance reports eccompliance-ap@gov.in

B) Notification issued by A P Pollution Control Board on 07.09.2019 in vernacular Newspaper, (Hindu & Eenadu) all the Red category of in the State of Andhra Pradesh, should furnish the half yearly compliance reports to all the stipulated conditions in EC & CRZ Clearance, CTE & CTO Orders through website i.e., https://pcb.ap.gov.in, and, the first half yearly compliance reports shall be furnished by the industry and second half yearly compliance reports shall be the audited through NABL accredited third party.

Yours faithfully,

For Adani Gangavaram Port Limited.

for.

Self-Certified 6 Monthly EC & CRZ Clearance Compliance Report for the period from April – 2025 to September – 2025.

Copy to: The Environmental Engineer, A.P Pollution Control Board, Regional Office, Visakhapatnam for kind information.

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091

Tel + 91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com

Registered Office : Adani Corporate House, Shanthigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

Your (Half Yearly Compliance Report) has been Submitted with following details

Proposal No	IA/AP/NCP/237816/2021
Compliance ID	724763178
Compliance Number(For Tracking)	EC/M/COMPLIANCE/724763178/2025
Reporting Year	2025
Reporting Period	01 Dec(01 Apr - 30 Sep)
Submission Date	30-11-2025
RO/SRO Name	V Geroge Jenner
RO/SRO Email	tr025@ifs.nic.in
State	ANDHRA PRADESH
RO/SRO Office Address	Integrated Regional Offices, Vijayawada

Note:- SMS and E-Mail has been sent to V Geroge Jenner, ANDHRA PRADESH with Notification to Project Proponent.

List of Uploaded EC Compliance Reports

Sr.No.	Proposal No. / Name of Project	Compliance No./ EC Letter Number	State and District	Year of Compliance	Period of Compliance	Remarks	Uploaded Date	Status	View
1	IA/AP/NCP/237816/2021 ADANI GANGAVARAM PORT LIMITED, GANGAVARAM (PO) PEDAGANTYADA Village Mandal VISAKHAPATNAM Dist., ANDHRA PRADESH	EC/M/COMPLIANCE/724763178/2025 10/51/2021-IA.III	ANDHRA PRADESH VISAKHAPATANAM	2025	01 Dec(01 Apr - 30 Sep)	Self-certified compliance comprises with covering all the information of the Port activities and updated compliance status of all the conditions stipulated in EC and CRZ issued by MoEFCC, CTE CTO issued by A.P. Pollution Control Board. For the period From April 2025 to September 2025	30-11-2025	Submitted Successfully	View Report View Documents Compliance Summary

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AGPL/ENV/SEIAA/2025/ 36 Date: 30.11.2025

To
The Chairman,
State Level Environment Impact Assessment Authority (SEIAA),
Ministry of Environment, Forests & Climate Change, Government of India,33-26-14/D/2, Near Sunrise Hospital,Pusha Hotel Centre, Chalamavari Street,
Kasturibaipet, Vijayawada – 520 010

Sir,

Sub: AGPPL Rough Stone Quarry in an extent of 2.024 Ha at Yarada in Sy. No. 274 (New Sy. No. 307) of Pedagantyada (V & M), Visakhapatnam – Submission of EC Half-Yearly Compliance Report – Reg.

Ref:

1. EC No. SEIAA/AP/MIN/08/2020/2060/158.105 & 153.124-516, dated 29.07.2021
2. APPCB Consent Order for Establishment No. 8375/APPCB/ZO-VSP/VSP/CFE/2021, dated 12.11.2021
3. APPCB Consent Order for Operation No. 8375/APPCB/ZO-VSP/VSP/CFO/2021, dated 13.12.2021
4. CTO-No. 8375/APPCB/ZO-VSP/ VSP/ CTO/2024, dated 26.02.2024
5. SEIAA/AP/MIN/EC/VS/04/2025/1340/269.45 & 269.21, dated 02.09.2025

Respected Sir,

With reference to the above, we hereby submit the **status of compliance** on the conditions stipulated in the Environmental Clearance Order SEIAA/AP/MIN/EC/VS/04/2025/1340/269.45 & 269.21, dated 02.09.2025, for the reporting period **April 2025 to September 2025.**

We request your kind perusal and consideration of the enclosed compliance report.

Yours Sincerely

For Adani Gangavaram Port Limited,

Authorized Signature

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
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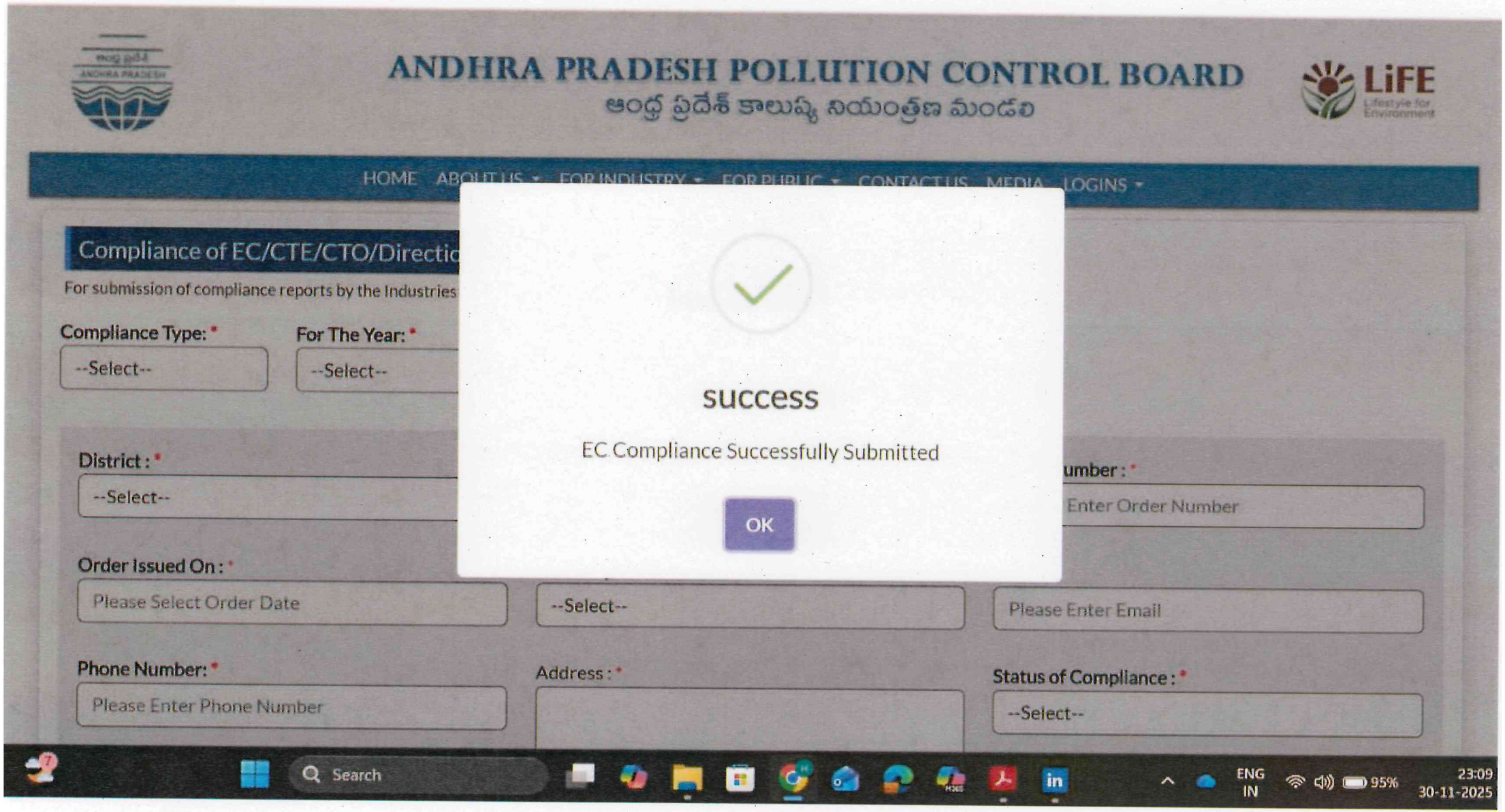
Registered Office : Adani Corporate House, Shanthigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.


ANDHRA PRADESH POLLUTION CONTROL BOARD
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SELF-CERTIFIED HALF-YEARLY COMPLIANCE REPORT
ON THE CONDITIONS STIPULATED

IN

ENVIRONMENTAL & CRZ CLEARENCE,
CONSENT TO ESTABLISHMENT &
CONSENT TO OPERATION APPROVALS

OF

ADANI GANGAVARAM PORT LIMITED,
GANGAVARAM (PO) PEDAGANTYADA (V & M)
VISAKHAPATNAM Dist., ANDHRA PRADESH

For the period
From April 2025 to September 2025

This self-certified compliance comprises with covering all the information of the Port activities & updated compliance status of all the conditions stipulated in EC & CRZ issued by MoEF & CC, CTE & CTO issued by A.P. Pollution Control Board.

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1.0 Preamble:

M/s Adani Gangavaram Port Limited – AGPL (formerly Gangavaram Port Limited) is located at Gangavaram (PO), Pedagantyada (M), Visakhapatnam District of Andhra Pradesh, India.

AGPL has the unique distinction of being one of the few Greenfield port projects in India which has been implemented on schedule. Construction at the site commenced in December 2005 and the Port commenced trial operations in August 2008.

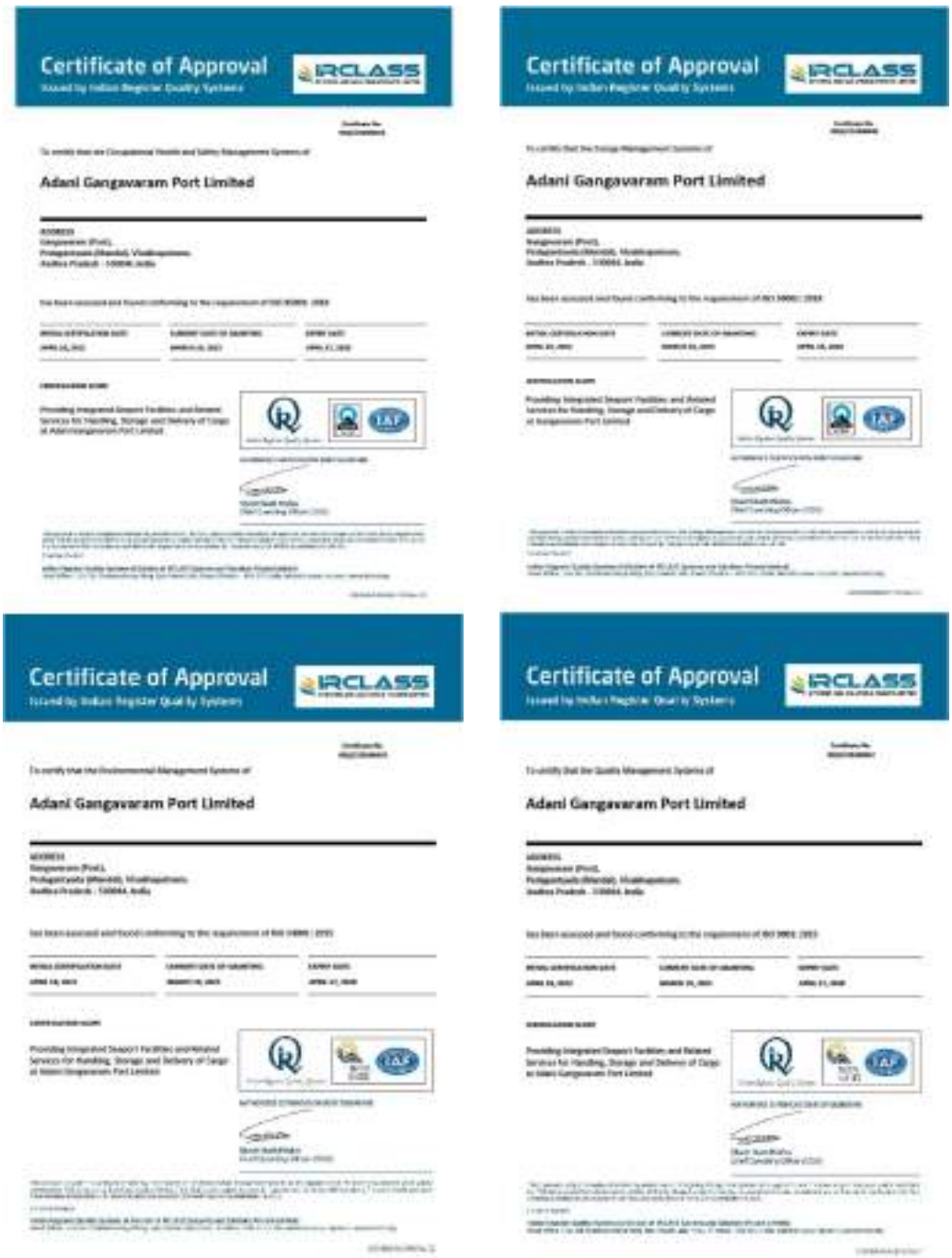
AGPL has been developed as an all-weather, multipurpose port with water depth up to 20.2 meters, making it the deepest and capable of handling fully laden Cape size vessels of up to 200,000 DWT, with its deep draft berths and efficient operations AGPL has become the gateway port for a hinterland spread over 8 states across Eastern, Western, Southern and Central India. Its ability to handle larger vessels efficiently has resulted in substantial savings for trade and port users. Adani Gangavaram Port Limited provides efficient cargo handling services for a variety of bulk and break-bulk cargo groups including Coal, Iron Ore, Fertilizer, Limestone, Bauxite, Raw Sugar, Project Cargo, Alumina, Steel products etc.

The Port, its related facilities and material handling system are among the most advanced in Asia and meet the highest standards in terms of pollution prevention and safety.

AGPL is presently operating with 9 berths and with consented cargo handling capacity of 40.95 MTPA for variety of Cargos of bulk and break bulk including coal, iron ore, Multi Cargo (Agri products, Slag, Lime stone, Steel products etc.,), Fertilizer, Industrial Raw Materials such as Gypsum, Aluminum Ingots and their facilities includes berths, state-of-the-art cargo handling systems, mechanized storage facilities, railway sidings etc., The Port extended to 2800 acres, out of which Port development and operation is in 1800 acres only.

AGPL is an ISO 9001:2015, ISO 14001 2015, ISO 45001:2018 and ISO 50001:2018, ISO 14001-2015 Certified Port for providing Integrated Seaport Facilities and Related Services for Handling, Storage and Delivery of Cargo.

Image – 1 IRCLASS (ISo) CERTIFICATES



2.Statutory Approvals:

AGPL obtained the following statutory approvals:

- **MoEF & CC** – Environmental Clearance for the cargo handling capacity of 16.54 MMTPA vide EC No. 10-3/2005-IA.III dated 11.03.2005 with 4 no. of berths, (1 dry bulk cargo, 1 fertilizer/limestone, 1 container terminal, and 1 break bulk/multipurpose) and one exclusive berth for the port crafts, besides providing warehousing facilities and transit sheds.

- **MoEF & CC** – Environmental Clearance vide No. 10-14/2009-IA.III, dated 19.03.2010 to develop the exclusive berth permitted earlier to accommodate the Port crafts into a full-fledged General Cargo Berth.

- **MoEF & CC -** EC & CRZ clearance for cargo augmentation from 16.54 MMTPA 41.0 MMTPA and 4 additional berths totaling to 9 berths vide Order F.No.11-91/2010-IA-III, dated 07.02.2012.

- **MoEF & CC -** Mining of Rough Stone - 1,88,226/m^3 /Annum in 2.024 Ha
- vide Order SEIAA//AP/VSP/MIN/EC/VS/04/2025/1340/269/.45&269.21. Dt:02.09.2025. valid up to 01.09.2028.

- **APPCB -** CTE for cargo handling capacity of 40.95 MMTPA vide CFE Order No. APPCB/VSP/VSP/113/CFE/HO/2012 – 3923, dated 02.03.2012.

- **APPCB -** CTO for cargo handling capacity of 40.95 MMTPA vide Order No. APPCB/VSP/VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020.

- **APPCB** - Consent to Operation (Amendment) No. APPCB/ VSP/VSP/113/CFO/ HO/2016, 16.09.2016 for stack height.

- **APPCB** - CTO (Auto Renewal) No. APPCB/VSP/ VSP/113/ CFO/HO/2020, 10.09.2020 valid up to 31.12.2025 for cargo handling capacity of 40.95 MMTPA

- **APCZMA -** Specific and general conditions of Andhra Pradesh Coastal Zone Management Authority (APCZMA) NOC No. Letter No. 338/CRZ/Port/2021, dated 24/10/2021 for cargo handling capacity of 40.95 MMTPA to 60.95 MMTPA.

- **MoEF & CC -** EC & CRZ Clearance for cargo augmentation from the existing 40.95 MMTPA to 60.95 MMTPA vide Order F.No.10/51/2021-IA.III, dated 24.12.2021.

- **APPCB -** CTE for cargo augmentation from the existing 40.95 MMTPA to 60.95 MMTPA vide Order No. APPCB/ VSP/ VSP/ 113/ CFE/ HO/2012, dated 16.08.2022.

- **APPCB –** Bio-Medical Waste Authorization for operating an Occupational Health Centre vide Order No. PCB/ROVSP/BMW/HCE/2022 – 794, dated 20.10.2022.

- **APPCB** - CTO Amendment No. APPCB/VSP/VSP/113/CFO/ HO/2015, dated 13.01.2023 for the enhanced quantity of waste/used oil and inclusion of ship waste oil quantity.

- **APPCB** – CTE (for establishment of Iron Ore (ROM) Screening & Crushing Unit of capacity of 2.0 LT/M) Order No. APPCB/ VSP/ VSP/ 113/ CTE/ HO/ 2012, dated 05.06.2023.

- **APPCB** - Name changed CTE Amendment Order No. APPCB/ VSP/ VSP/ 113/ CTE/ HO/ 2012, dated 05.06.2023.

- **MoEF & CC -** Name transferred EC & CRZ Order F. No. 10/51/2021-IA.III, dated 01.08.2023.

- **APPCB** - Name changed CTO Amendment Order No. APPCB/VSP/113/HO/ CTO/ 2023, dated 01.08.2023.

- **APPCB -** CTO (Expansion) for operating Iron Ore (ROM) Screening & Crushing Unit of capacity of 2.0 LT/M vide Order No. APPCB/VSP/VSP/113/CFO/HO/2009, dated 22.08.2023 valid up to 31.12.2025.

- **APPCB**- CTO Amendment No. APPCB/VSP/VSP/113/HO/ CTO/2020, dated 05.01.2024

- **APPCB –** CTO & HWA for cargo handling capacity of 51.00 MMTPA vide Order No. APPCB/VSP/113/CTO/HO/2009, dated 22.08.2024 valid up to 31.07.2029.

- **APPCB -** Compliance for Environmental Clearance-Expansion of building stone Mining from 12,450/m3 annum to 1,88,226 m3/annum in 2.024 Ha.
  Order No: SEIAA/AP/MIN/EC/VS/04/2025/1340/269.45&269.21, Date: 02.09.2025

3. Mechanized Operations and environment monitoring measures adopted by AGPL are summarized

AGPL more than 80% of the port operations are conducted through advanced mechanized equipment, ensuring efficient and environmentally responsible cargo handling. This includes the use of ship loaders and unloaders, mobile harbor cranes, hooded conveyor systems, stackers, reclaimers, and wagon tipplers. These systems significantly reduce cargo spillage and dust emissions, contributing to sustainable port operations. Detailed data on mechanized cargo handling is provided in **Annexure-6**

4. Ambient Air Quality Monitoring:

AGPL operating 4 No. of – Beta Ray Attenuation Technology CAAQM stations to measure the parameters PM 10, PM 2.5, SO^2, NO, NO^2, CO at the following locations as approved by APPCB vide letter No.1124/PCB/RO-VSP/2019 – 6299, dated 02.03.2019 within the Port premises and the data is being uploaded to APPCB website and the CAAQMs are being calibrated periodically.

i. Administrative office towards H.B. Colony (Station 1):
ii. Project site office building towards Venkannapalem (Station2)
iii. Watch tower – 4 towards Gangavaram village (Station3).
iv. Silo -Up wind direction towards RINL (Station 4)

AAQMS Monitoring results from April to Sep-25 attached as **Annexure-5**

5. Environment Protection, Conservation, Implementation of EMP & Sustainable Measures.

I. Introduction

Visakhapatnam city is in North-Eastern coast of Andhra Pradesh and a major part of the city lies within two major hill ranges i.e., Yarada and Adavivaram (Simhachalam) hill ranges. The area located between the hill ranges and seacoast acts as a bowl area. There is a possibility of inversion happening in the bowl area due to the location of the hill ranges and seacoast during winter period. The habitation and industries co-exist in the bowl area (Habitation developed in the surroundings of all major industries).

AGPL located outside the bowl area and is a city-based Port surrounded by Human Habitation. Pedagantyada Industrial Estate is in the proximity to AGPL wherein about 20 no. of major & medium scale Red, Orange & Green category of industries including one CFS Facility are in operation. Public Sector Industry is in the upwind direction of the Port emanates huge & thick emissions from its elevated stacks of about 200m which is in upwind direction of AGPL.

Considering the topographical & atmospheric conditions, AGPL is adopting and implementing the required environment measures as per the statutory requirements to prevent the dust pollution and to ensure the pollution parameters are within the permissible limits stipulated by statutory departments.

Details of funds spent towards implementation of Environment Management Plan for the last 3 years (as per Form – V) are as below:

- Rs. 11.65 Cr for the FY 2022 – 2023
- Rs. 10.66 Cr for the FY 2023 - 2024
- Rs.20.20 Cr for the FY 2024-2025

The above allocation & spending of huge amounts reveals the commitment of the Management commitment & dedication towards Environment Sustainability & mitigation measures. In detailed Environmental statement FY-2024-25 Form-V attached as **Annexure-9**

6. Water Source, Consumption & Management:

Adani Gangavaram Port Limited (AGPL) has established a robust and sustainable water management system to ensure efficient utilization and conservation of water resources. The primary source of fresh water for the port is the Visakhapatnam Industrial Water Supply Company (VIWSCO), which supplies water drawn from the Yeleru Left Bank Canal (YLBC). This water is conveyed by gravity to the Kanithi Balance Reservoir, from where it is further channeled to the Underground Reservoir (UGR) located within the AGPL premises.

The UGR system at AGPL has a total storage capacity of 2000 kiloliters (KL), divided into three chambers—two with 750 KL each and one with 500 KL. Water from the UGR is pumped to two main Dust Suppression System (DSS) pump houses. DSS-1 distributes water to 80 cannon sprinklers covering Yards 1 to 6, as well as to filling points, tower exchangers, reclaimers, and stackers. Similarly, DSS-2, which has a 1500 KL tank, supplies water to 96 cannon sprinklers across Yards 7 to 10 and other operational points.

AGPL maintains a daily water purchase of approximately 1600 KL from VIWSCO, aligning with its operational and environmental needs. The port has implemented a comprehensive water distribution network that ensures optimal usage for dust suppression, equipment cooling, domestic needs, and other utilities. This system not only supports operational efficiency but also plays a critical role in minimizing environmental impact by controlling dust emissions and maintaining cleanliness across the port premises.

AGPL's commitment to sustainable water management is further reflected in its continuous monitoring and reporting practices, ensuring compliance with statutory norms and promoting responsible resource utilization.

AGPL – Installation of IoT and Digital Flow Meters at Critical Water Consumption Locations

Adani Gangavaram Port Limited (AGPL), in its continued commitment to sustainable water management and operational efficiency, has implemented advanced monitoring systems by installing IoT-enabled and digital flow meters at all critical water consumption points across the port premises. These installations are strategically placed at key locations such as the Dust Suppression System (DSS) pump houses, Underground Reservoir (UGR) outlets, and other high-usage areas to ensure real-time tracking, accurate measurement, and efficient utilization of water resources.

The integration of IoT technology allows for continuous data logging, remote monitoring, and analytics-driven decision-making, thereby enhancing transparency and enabling proactive water

conservation measures. These systems are instrumental in identifying consumption patterns, detecting anomalies, and optimizing water distribution for various applications including dust suppression, domestic use, equipment cooling, and greenbelt irrigation.

For the period from **April 2025 to September 2025**, detailed water consumption data has been recorded and analyzed using these digital systems. The corresponding monthly invoices from the Visakhapatnam Industrial Water Supply Company (VIWSCO), along with photographic evidence of the installed flow meters, are compiled and presented in **Annexure-4** for reference and verification. This initiative underscores AGPL's proactive approach to environmental stewardship and its alignment with regulatory compliance and sustainability goals.

7.Waste management:

Adani Gangavaram Port Limited (AGPL) has implemented a comprehensive and environmentally responsible waste management system in alignment with statutory requirements and sustainability goals. The port has established a structured approach for the collection, segregation, treatment, and disposal of various waste streams including solid waste, hazardous waste, biomedical waste, plastic waste, e-waste, and sewage sludge.

7.1 Solid Waste Management:

AGPL has installed approximately 76 collection bins across the port premises to facilitate the segregation of dry and wet domestic waste. In collaboration with the Greater Visakhapatnam Municipal Corporation (GVMC), the port ensures daily collection and disposal of domestic solid waste to the GVMC dump site. The dry waste—such as plastic, glass, metal, and cardboard—is sent to authorized recyclers, while wet waste undergoes windrow composting to produce organic manure with minimal CO_2 emissions. From April to September 2025, a total of 115.85 tons of solid waste was disposed, averaging 19.30 tons/month and 0.636 tons/day. Last 6 months data attached as **Annexure-10.**

7.2 Organic and Plastic Waste Management:

Organic waste is regularly collected and processed into vermicompost, which is utilized for greenbelt and nursery development within the port. AGPL has enforced a strict ban on single-use plastics since September 2021 and ensures that all plastic waste is collected and sent to APPCB-authorized recycling units.

7.3 E-Waste Management

Electronic waste is collected and disposed of through State Pollution Control Board (SPCB)

authorized recyclers. AGPL submits Form-3 returns annually, with the latest submission for FY 2024–25 made on 02.06. 2025.Submitted copy of Form-3 as attached **Annexure-7.**

7.4 Hazardous Waste (Waste Oil):

AGPL manages both in-house generated waste oil and ship-generated waste oil. In-house waste oil is stored in a dedicated shed with an elevated platform and is disposed of through APEMCL to APPCB-authorized recyclers. During the reporting period, 10 tons of in-house waste oil and 500.14 tons of ship-generated waste oil were disposed of through authorized recyclers such as Navya Waste and M/s Jyothi Lubricants. The latest submission for FY 2024-25 Form-4 attached as **Annexure-8.**

April to Sep-25 Data:

- AGPL has disposed In-house generated waste/used oil of 10 Tons FY 2024-25 on July-25 of M/s. Jyothi Lubricants, Plot No.185, IDA, Kondapalli, Vijayawada, through APEMCL against the permitted quantity of 25 MTA

- AGPL is not storing any onboard ship generated waste oil. The waste oil recyclers will collect the same directly from the berthed ship.

- For the period from April to September 2025, AGPL has disposed 500.14 Tons of ship generated waste/used oil against the permitted quantity of 1200 MTA through APEMCL to the following APPCB authorized Recycling units.

Sl. No.	Name of the Recycling Unit	From Aril - 2025 to September 2025
1	Navya Waste and Used Oil Re-refining and Recycling Industry, Visakhapatnam	500.14
2	M/s. Jyothi Lubricants-Used oil	10.00
	Total	**510.14**

7.5 Biomedical Waste:

AGPL operates an Occupational Health Centre (OHC) and holds a valid Bio-Medical Waste Authorization. Biomedical waste is collected, segregated, and disposed of through M/s Vasistha Environ Care, an APPCB-authorized facility. From April to September 2025, a total of **14.66 kg** of biomedical waste was disposed of, averaging **0.08 kg/day**.

- operating an Occupational Health Centre (OHC) to provide First Aid facility to the victims and generate very less quantity of Bio-Medical Waste.

- **AGPL** obtained Bio-Medical Waste Authorization for operating the OHC vide Order No.PCB/ROVSP/BMW/HCE/2022 – 794, dated 20.10.2022.

- **AGPL** made an agreement with M/s. Vasistha Environ Care an authorized Bio-medical waste Treatment Facility, Safe Collection, Transportation & disposal of properly segregated and

packed BMW and/or Bio-Hazardous waste as per APPCB, CPCB norms. AGPL BMW Authorization letter attached as **Annexure-11**

- The details of Bio-Medical waste disposed for the period from April 2025 to September 2025 are as below:

Sl. No.	Month	Quantity (Kgs)
1.	April 2025	2.76
2.	May 2025	1.73
3.	June 2025	2.07
4.	July 2025	3.3
5.	August 2025	2.56
6.	September 2025	2.24
	Total	14.66
Average per day		0.08

7.6 Sewage and Sludge Management:

Two Sewage Treatment Plants (STPs) with capacities of 5 KLD and 30 KLD are operational at AGPL. The treated water is reused for dust suppression and greenbelt development. The sludge generated from STPs is composted and used as manure within the port premises.

8. 3rd part NABL Accreditor Environmental Monitoring

AGPL has engaged an NABL-accredited third-party agency to carry out comprehensive environmental monitoring as per statutory requirements. The monitoring covers key environmental parameters within the port and surrounding areas, ensuring compliance with APPCB norms. The results of these assessments have been systematically compiled and submitted to the APPCB Regional Office monthly. This report includes the consolidated findings for the last six months (April 2025 to September 2025), and the detailed results are attached as **Annexure -16.**

9. Statutory returns/ compliance reports

The Environment Department headed by Vice President with supporting Officers, Jr. Officers, Executives & Field staff is taking care for periodical submission of the following statutory returns/ compliance reports to the concerned statutory departments i.e., MoEF & CC and APPCB:

- **Monthly** - Submitting agpl Monitoring results reports to APPCB with Air Quality Monitoring, Marine & Terrestrial Monitoring reports.

- **Half-Yearly** - Submitting half yearly compliance of the conditions stipulated in EC, CTE & CTO Orders issued by MoEF&CC and APPCB.

- NABL-Certified Half-yearly compliance report for the period from October-2024 to March-2025 submitted on 30.05.2025.

➢ **Annual/Yearly** –

- Submitting the Annual Returns of Generation, Storage & Disposal of E – Waste in **Form- 3** as per the E-Waste (Management) Rules, 2016 and amendments thereof. The latest submission for FY 2024-25 is on 02.06.2025.

- Submitting the Annual Returns of Generation, Storage & Disposal of Hazardous Waste (Waste/Used Oil) in **Form- 4** as per the Hazardous and other Waste (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and amendments thereof. The latest submission for FY 2024-25 is on 02.06.2025.

- Submitting of Environmental Statement **Form – 5** as per Rule No.14 of E (P) Rules,1986 & amendments thereof. The latest submission for the FY 2024-25 is on 27.09.2025.

- Submitting the Annual Returns of Generation, Storage & Disposal of Used Batteries in **Form- 8** as per the Batters (Management & Handling) Rules, 2010 and amendments thereof to the APPCB. The latest submission for FY 2024-25 is on 02.06.2025.

Additional data:

CSR Activities (April-25 to Sep-25)

During the period from April to September 2025, AGPL undertook several Corporate Social Responsibility (CSR) initiatives aimed at community development and environmental sustainability. Key activities included:

- **Health Camps**: Free medical check-ups and health awareness programs in nearby villages.
- **Educational Support**: Distribution of school supplies and scholarships for underprivileged students.
- **Skill Development**: Vocational training programs for youth to enhance employability.
- **Environmental Awareness**: Tree plantation drives and awareness campaigns on waste segregation and water conservation.
- **Community Infrastructure**: Support for the development of sanitation facilities and drinking water systems.

These initiatives reflect AGPL's commitment to inclusive growth and sustainable development in its operational areas. **Attached ANNEXURE-17**

Mock Drills (Fire and Safety and Marine)

AGPL conducted multiple mock drills during the reporting period to ensure preparedness for emergency situations. These included:

- **Fire Safety Drills:** Simulated fire scenarios at key operational zones to test response time and coordination among fire teams.
- **Marine Emergency Drills:** Exercises involving oil spill containment, rescue operations, and communication protocols with port authorities.
- **Evacuation Drills:** Training sessions for employees and contractors on safe evacuation procedures during emergencies.

- **Joint Drills:** Collaborative drills with local disaster management authorities to strengthen mutual response capabilities.

All drills were documented, reviewed, and followed by debriefing sessions to identify areas for improvement and enhance overall safety standards**. Attached ANNEXURE-18**

Environmental Day Celebrations (April-25 to Sep-25)

AGPL actively celebrated key environmental days during the reporting period to promote awareness and engagement among employees, stakeholders, and the local community. Highlights include:

- **World Earth Day – April 22, 2025**
  AGPL celebrated World Earth Day with the theme "Invest in Our Planet", focusing on environmental awareness and sustainable practices. Activities included:
  Tree Plantation Drive: Employees and volunteers planted native saplings across operational zones and nearby communities.
  Awareness Sessions: Conducted on climate change, energy conservation, and eco-friendly habits.

  - **World Environment Day (June 5th):**
    Organized plantation drives within the port premises and nearby areas, involving employees and school children. Awareness sessions were conducted on sustainable practices and pollution control.

  - **World Oceans Day (June 8th):**
    Focused on marine conservation through beach clean-up activities and educational campaigns on reducing plastic usage.

World Conservation Day – July 28, 2025

To mark World Conservation Day, AGPL organized initiatives aimed at promoting the conservation of natural resources and biodiversity:

- Water Conservation Workshops: Sessions on rainwater harvesting and efficient water usage.
- Biodiversity Awareness: Educational displays and talks on local flora and fauna.
- Waste Segregation Drive: Training on proper waste management and recycling practices.

These efforts reinforced AGPL's commitment to environmental protection and community involvement. **Attached ANNEXURE-12**.

Index Table

Sl. No.	Compliance status on the conditions stipulated in
1.	**EC Order 10-3/2005-IA.IIIdated 11.03.2005**
2.	**EC & CRZ Clearance No.10-14/2009-IA.III, dated 19.03.2010.**
3.	**EC and CRZ Clearance 11-91/2010-IA-III dated 07.02.2012**
4.	CFE (Expansion) Order No. APPCB/ VSP/ VSP/ 113/ CFE/ HO/ 2012 – 3923, dated 02.03.2012 Schedule–Bconditions.
5.	CFO & HWA Order No. APPCB/VSP/VSP/113/CFO/HO/2015, dated 13.01.2016, valid up to 31.12.2020 ScheduleA,B &Cconditions
6.	CFO Auto Renewal Order No. APPCB/ VSP/VSP/113/CFO/ HO/ 2020- 10/09/2020, valid up to 31.12.2025.
7.	APCZMA NOC No. Letter No. 338/CRZ/Port/2021 24/10/2021, Specific and general conditions
8.	**EC & CRZ Clearance No. 10/51/2021-IA.III, dated 24.12.2021.**
9.	**CFE (augmentation from the existing 40.95 MMTPA to 60.95 MMTPA) Order No. APPCB/ VSP/ VSP/ 113/ CFE/ HO/2012, dated 16.08.2022.**
10.	CFO (Amendment) APPCB/VSP/113/CFO/ HO/2015, 13.01.2023 for the enhanced quantity of waste/used oil and inclusion of ship waste oil quantity.
11.	CFO & HWA (ROM) Order No. APPCB/VSP/113/CFO/ HO/2009, 22.08.2023, valid up to 31.12.2025.
12.	**CTO & HWA for cargo handling capacity of 51.00 MMTPA vide Order No. APPCB/VSP/113/CTO/HO/2009, dated 22.08.2024 valid up to 31.07.2029.**

1.0 Compliance status of conditions stipulated in the EC Order 10-3/2005-IA.III, dated 11.03.2005

Sl. No.	Condition	Compliance submitting to statutory departments
A.	**Specific Conditions**	
1.	The project proponent shall not undertake any destruction of mangroves during construction and operation of project.	Complied. AGPL has completed all the Phase-I construction/developments by August, 2008. No mangroves were in the Port limits.
2.	All the conditions stipulated by Andhra Pradesh pollution control board in their consent letter no 113/PCB/C. Esst/ RO- VSP/ AEE-n/ 2002-1225, dated 24.7.2003 shall be effectively implemented	Complied. AGPL has Implemented all the conditions stipulated in the consent issued by APPCB.
3.	Littoral drift management using rainbow technique should be adopted for beach nourishment on the northern side of north break water to combat coastal erosion problems.	Complied. AGPL has created a sand trap near the South breakwater. The material trapped in the sand trap is being lifted and the same is being used for beach nourishment on the north side of the North Boundary Wall.
4.	Random wave plump test should be conducted to check the stability of breakwater section and round head. Before commencement of work.	Complied. AGPL had carried out the Wave flume tests through HR Wallingford, UK, to check the stability of breakwater section and round head before commencement of work.
5.	Large quantities of stones are proposed to be quarried from Yarada hill. Environment management and rehabitation plan of the quarry site should be worked out and implemented.	Complied. AGPL had implemented Environment management and Rehabilitation plan at quarry site with the development of Greenbelt in an area of 40 acres.
6.	Marine ecology monitoring shall be done regularly during construction of breakwater and dredging operation.	Complied. AGPL has been carrying out the Marine ecology monitoring through an NABL certified Agency on fortnight basis and the reports are being submitted to APPCB on monthly basis.April-25 to Sep-25 monitoring results are attached as **Annexure-16.**

7.	Regular monitoring of air quality shall be done in the settlement areas around the project site and appropriate safeguard measures shall be taken to ensure that the population is not subjected to higher levels of air pollution.	Being Complied. AGPL established & operating 4 No. of Continuous Ambient Air Quality Monitoring stations within the Port premises, at the below mentioned locations as suggested by APCB vide letter dated 02.03.2019 to monitor the parameters viz., PM 10, PM 2.5, SO_2, NO, NO_2, CO and the data is being uploaded to APPCB website &the parameter values are meeting the Board standards. **Downwind directions towards habitation** a. Administrative office towards H.B. Colony (Station 1) b. Project site office building towards Venkannapalem (Station2) c. Watch tower – 4 towards Gangavaram village (Station-3). **Upwind direction towards RINL** d. At Silo (upwind directions-RINL) – Statin - 4 The locations are as per the instructions of APPCB to monitor the parameters viz., PM 10, PM 2.5, SO_2, NO, NO_2, CO. The CAAQM data has been linked to APPCB website. AGPL is submitting the daily average data on monthly basis to APPCB & Half-yearly basis to MoEF &CC. During the compliance period(from April-25 to October-25) CAAQMS data attached as **Annexure-5**
8.	Sewage arising in the port area shall be disposed of after adequate treatment to conform to the standard stipulated by APPCB and shall be utilized/re-cycled for gardening, plantation and irrigation.	Complied. AGPL established & operating STP of 30 KLD and 5 KLD capacities to treat the sewage generated from the utilities. The treated water is being used for the dust

		suppression / green belt development only.

9.	The relocation of the fisherman Community will be done strictly in accordance with the norms prescribed by the state Environment. The relocated fishermen community will be provided with all facilities including health care, education, sanitation and livelihood.	Complied. The R&R package to the PDFs & PAFs had finalized & completed by the Government of Andhra Pradesh with due concurrence of the fisherman community.
10.	Adequate plantation shall be carried out along the roads of the port premises and a green belt shall be developed.	Complied. • For the FY 2025-26 AGPL completed plantation of 14,290 up to 30.09.2025. • As of now AGPL developed plantation with more than 5.5 Lakhs saplings in about 320 acres within the Port premises . • Maintaining 50 m width of green belt towards North and North-West direction with special emphasis towards habitation i.e., HB Colony, Peda Gantyada, Venkannapalem, Kongapalem & Gangavaram village. • Maintaining thick greenbelt at Port Approach Road, Railway track side and at Truck parking area along the wind breaking wall towards HB Colony. • Maintaining exclusive nursery with to maintain and improve the green belt on continuous basis.
11.	Project proponent shall regularly update the disaster management plan from time to time	Complied. • The On-Site / Off Site Emergency Plans was revised on 01.07.2024. copy attached as **Annexure-19** • Conducting Mock drills periodically. Mock drills as attached **Annexure-18**
12.	Firefighting arrangements are examined to the new proposal.	Complied Conducting the mock drills periodically.

13.	There shall be no withdrawal of ground water in CRZ area, for this project. The proponent shall ensure that as a result of the proposed constructions, ingress of saline water into ground water does not take place. Piezometers shall be installed for regular monitoring for this purpose at appropriate locations on the project site.	Complied. There is no groundwater withdrawal within the Port area and the Port is purchasing the required quantity of water from (VIWSCO) GVMC.
14.	The project shall not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/ Electricity Department.	Complied Water supply and power supply are provided / commissioned by GoAP through GVMC and APTRANSCO on 11.12.2008 prior to the commencement of port operations.
15.	Specific arrangements for rain water harvesting should be made in the project design and the rain water so harvested should be optimally utilized. Details in this regard should be furnished to this Ministry's Regional Office at Bangalore within 3 months.	Complied Provision has been provided for rain water harvesting within the Port premises & utilizing the supernatant water for dust suppression. The details were furnished to MOEF vide GPL letter No. GPL/GEN/002.dated 09.06.2005.
16.	The facilities to be constructed in the CRZ area as part of this project should be strictly in conformity with the provisions of the CRZ Notification. 1991 as amended subsequently.	Complied with CRZ Notification 1991 as amended subsequently
17.	Land reclamation shall be carried out only to the extent that it is essential for this project.	Complied.
18.	Green buffer zone shall be provided all around the project area in consultation with local forest department and the report submit to this Ministry's Regional Office at Bengalore.	Complied.
19.	No product other than those permissible in the Coastal Regulation Zone Notification, 1991 shall be stored in the Coastal Regulation Zone area.	Complied.
B.	**General Conditions**	
1.	Construction of the proposed structures should be undertaken meticulously conforming to the existing Central/ local rules and regulations including Coastal Regulation Zone Notification 1991 & its amendments. All the construction designs/ drawings relating to the proposed construction activities must have approvals of	Complied. AGPL has carried-out a construction designs / drawings related to construction activity are approved by State government of A.P & regulations including Coastal Regulation Zone Notification 1991 & its

	the concerned State Government Departments/ Agencies.	amendments.

2.	Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during the construction phase of the project so as to avoid felling of trees/ mangroves and pollution of water and the surroundings.	Complied. No Construction was going on presently.
3.	The project authorities must make necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper wastewater treatment plant outside the CRZ area. The quality of treated effluents, solid wastes and noise level etc. must conform to the standards laid down by the competent authorities including the Central/ State Pollution Control Board and the Union Ministry of Environment and Forest under the Environment (Protection) Act, 1986, whichever are more stringent.	Complied. • AGPL has provided collection bins at about 76 locations within the port premises for collection of dry & wet solid & domestic waste. • Provision was arranged for daily collecting and disposing of the domestic solid waste to GVMC dump site. • The GVMC segregates the material into dry and wet waste. The dry waste viz., Plastic, glass, iron, aluminum, cardboard, wooden etc., are separated with the help of dry resource collection center. • The wet material will be treated with window fermentation with a specific cluster, which convert the wet waste into useful organic mixture by emitting low CO_2 level. The whole process is under Solid Waste Management Rules 2020 (Amendment) for environment sustainability. • Organic waste is being collected on regular basis within the Port and using for vermin-compost preparation. • Sludge from STP - utilizing as manure for plants. • Noise monitoring is being carried through a 3rd party agency and submitting the report to SPCB on monthly basis & on Half-yearly basis to MoEF & CC.
4.	The proponent shall obtain the requisite consents for discharge of effluents and	Complied

	emissions under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (prevention and Control of Pollution) Act, 1981 from the Andhra Pradesh Pollution Control Board before commissioning of the project and a copy of each of these shall be sent to this Ministry.	
5.	The proponents shall provide for a regular monitoring mechanism so as to ensure that the treated effluents conform to the prescribed standards. The records of analysis reports must be properly maintained and made available for inspection to the concerned State/ Central officials during their visits.	Complied. AGPL established & operating STP of 30 KLD and 5 KLD capacities to treat the sewage generated and maintaining records and made available for inspection to the concerned State/ Central officials during their visits.
6.	In order to carry out the environmental monitoring during the operational phase of the project, the project authorities should provide an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters.	Complied. AGPL has appointed an ISO certified agency to carry-out Environmental monitoring parameters on terrestrial as well as marine water quality and submitting the report to RO, A.P. Pollution Control Board on monthly basis and MoEF&CC on half-yearly basis. As per the results, the parameters are within the standards.
7.	The sand dunes and mangroves, if any, on the site should not be disturbed in any way.	Complied. No sand dunes and mangroves located in the port limits.
8.	A copy of the clearance letter will be marked to the concerned Panchayat/ local NGO. If any, from whom any suggestion/ representation has been received while processing the proposal.	Complied.
9.	The Andhra Pradesh Pollution Control Board should display a copy of the clearance letter at the Regional Office. District Industries Centre and Collector's Office/ Tehsildar's Office for 30 days.	Complied.
10.	The funds earmarked for environment protection measures should be maintained, in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bangalore and the SPCB.	Complied. AGPL has been reporting the Funds & expenditure incurred for environment protection measures in Form – V Environmental Statement and submitting the same to MoEF& CC, and APPCB. Latest

		2024-25 Form-V copy attached as **Annexure-9**

11.	Full support should be extended to the officers of this Ministry's Regional Office at Bangalore and the officers of the Central and State Pollution Control Boards by the project proponent's during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.	Being complied.
12.	In case of deviation or alteration in the project including the implementing agency, afresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection.	Being complied.
13.	This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.	Noted the condition.
14.	This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.	Noted the condition.
15.	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at Website of the Ministry of Environment& Forests at http://www.envfornic.in. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to Regional Office of this Ministry at Bangalore.	Complied
16.	The Project proponents should inform the Regional Office at Bangalore as well as the Ministry the date of financial closure and final	Complied.

	approval of the project by the concerned authorities and the date of start of Land Development Work.	

2. Compliance status of conditions stipulated in the EC & CRZ Clearance No.10-14/2009-IA.III, dated 19.03.2010.

Sl. No.	Condition	Compliance submitting to statutory departments
A.	**Specific Conditions**	
i.	No construction work other than those Permitted in Coastal Regulation Zone Notification,1991 shall be carried out in Coastal Regulation Zone area.	Complied. Phase-I construction was completed by August, 2008
ii.	Sewage shall be treated and the Treatment Facility shall be provided in Accordance with the Coastal Regulation Zone Notification,1991. The disposal of Treated water shall confirm the regulation of Andhra Pradesh State Pollution Control Board.	Complied. Established & operating STP of 30 KLD and 5 KLD capacities to treat the sewage generated and the treated water is being used for the dust suppression / green belt development only.
iii.	Oil spills if any shall be properly collected and disposed as per the Rules.	Being complied.
iv.	The approach channel shall be properly Demarcated with lighted buoys for safe Navigation and adequate traffic control guidelines shall be framed. The fishermen shall be suitably educated and informed about the traffic guidelines.	Complied AGPL demarcated the approach channel with lighted buoys for safe navigation and patrolling boats are continuously watching the channels and fishermen are well informed.
v.	The project proponent shall set up Separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Complied
vi.	The project proponent shall take up Mangrove plantation/green belt in the Project area, wherever possible. Adequate budget shall be provided in the Environment Management Plan for such mangrove development.	Complied. ➢ For the FY 2024-25 AGPL completed plantation of 14,290 up to 30.09.2025. ➢ As of now AGPL developed plantation with morethan 5.5 Lakhs saplings in about 320 acres within the Port premises . ➢ Maintaining 50 m width of green belt towards North and North-West direction with special emphasis towards habitation i.e., HB Colony, Peda Gantyada, Venkannapalem, Kongapalem & Gangavaram village.

Sl. No.	Condition	Compliance submitting to statutory departments
		➢ Maintaining thick greenbelt at Port Approach Road, Railway track side and at Truck parking area along the wind breaking wall towards HB Colony. Maintaining exclusive nursery to maintain and improve the green belt on continuous basis.
vii.	The funds earmarked for the environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Complied.
B.	**General Conditions**	
i.	Adequate provision, for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.	Complied. No construction work was going on presently .
ii.	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Complied.
iii.	Borrow sites for each quarry sites for road construction material and dump sites must be identified keeping in view the following: a. No excavation or dumping on private property is carried out without written consent of the owner b. No excavation or dumping shall be allowed on wetlands, forest areas or other ecologic valuable or sensitive locations. c. Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area, and d. Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such materials must be secured so that they shall not leach into the ground water.	Complied. No wet lands/forests area exists within in the port. Complied. Complied.
iv.	The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, specific approvals	Complied.

	from the competent authority shall be obtained in this regard.	
v.	Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.	Complied.
vi.	Full support shall be extended to the officers of this Ministry/ Regional Office at Bangalore by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	Complied.
vii.	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	Noted the condition & being complied.
viii.	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	Noted the condition & being complied.
ix.	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the MoEF.	Noted the condition & being complied.
x.	The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	Complied.
xi.	Andhra Pradesh Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office / Tahasildar's office for 30days,	Complied.
xii.	These stipulations would been forced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the Amendments and rules made thereafter.	Noted the condition & being complied.
xiii.	All other statutory clearances such as the	Being complied.

	approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act,1980 and Wildlife (Protection)Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities,	
xiv.	The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language in forming that the project has been accorded Environmental Clearance and copies of clearance letters are available with the APPCB and may also be seen on the website of the MoEF at http://www.envfor.nic.in. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bangalore.	Complied.
xv.	Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil)No.460 of 2004 as may be applicable to this project.	Noted the condition & being complied.
xvi.	Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section11 of the National Environment Appellate Act,1997.	Noted the condition & being complied.
xvii.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.	Complied.
xviii.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall up-date the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The	Complied.

	criteria pollutant levels namely; SPM, RSPM, SO_2, NO_x (ambient levels as well as stack emissions) or critical sectorial parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
xix.	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Complied. • Submitted Self-certified half-yearly compliance report for the period from April 2024 to September 2024 on 26.11.2024 through eccompliance-ap@gov.in web site. Also uploaded through Parivesh portal on 26.10.2024. • Submitted NABL-3rd party certified half-yearly compliance report for the period from October-2024 to March-2025 on 30.05.2025 through eccompliance-ap@gov.in web site & through Parivesh portal.
xx.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall, also be sent to the respective Regional Offices of MoEF by e-mail.	Complied. • Submitting the Environmental Statement Form-V regularly to APPCB and RO, MoEF & CC • The latest Environment Audit Statement (FORM-V) submitted on 27.09.2025 for the FY 2024-2025 as attached **Annexure-9**

3. Compliance status of conditions stipulated in the Environment and CRZ Clearance 11-91/2010-IA-III dated 07.02.2012

Sl. No.	Condition	Compliance submitting to statutory departments
Specific Conditions: -		
1.	"Consent for Establishment" shall be obtained from State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site	Complied. AGPL has obtained Consent to Establishment (CTE) from SPCB vide order number: APPCB/ VSP/VSP/113/ CFE/HO/2012-3923 dated 02.03.2012 and copy of the same was submitted to Ministry's Regional Office, vide letter no. GPL/MoEF/021 dated 12.05.2012.
2.	As the development is conceived in several stages to reach the full designed/planned capacity of the port, it shall be necessary to prepare and put in place a master EMP for the full scale development and fit in the phase-wise creations as modules forming part of the entire system. This shall facilitate a harmonious planning of environmental requirements to be put in place in a phased manner in accordance with preset goal and objective as outlined in the overall environmental plan for the port in its totality.	Complied. The Cargo based master plan will be finalized during the future expansion based on market need. Submitted the EMP for cargo handling capacities of 60.95 MMTPA in EIA report.
3.	The 4.88 million cum of dredged material shall be used for shore reclamation subject to its suitability. Any unsuitable/ excess dredged material shall be disposed at dumpsite. Port shall identify suitable dumping spot for disposal of unsuitable material offshore on the basis of appropriate modeling study.	Complied. The dredge material was used for filling low lying land within port area for shore reclamation purpose and same work was completed.
4.	The green belt area proposed is about 10 % only. Proponent shall enhance the area of green belt. Width of the green belt shall be minimum 50 m. The present stage of development of 40 acres of land for green belt which should have been completed before January 2011 shall be reported to the Ministry together with the programme adopted for implementation.	Complied.
5.	There will be a quantum jump of port traffic from the existing level of 16.54 MTPA to 41 MTPA after completion of the proposed developments and this is likely to register further leap when full scale planned capacity is	Complied. AGPL has provided the following infrastructure facilities to cater to the transport needs & for smooth cargo evacuation of 40.95 MMTPA

Sl. No.	Condition	Compliance submitting to statutory departments
	reached later; it is therefore necessary even now to plan appropriate measures to ensure that will be no mismatch between the planned capacity and the external logistic requirements in the overall transportation chain/network commensurate with the demand. A long range vision would be necessary to achieve a smooth flow of cargo traffic both within and outside port limits.	• Provided adequate railway sidings • Provided second railway line • Silos and In-motion wagon loader are established for faster evacuation.
6.	The Company should enhance the allocation for the CSR activities from 2. 5 to 5 % of the total cost and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program shall be ensured accordingly in a time bound manner.	Complied. AGPL had submitted the action plan to MoEF, Chennai on 04/09/2015 vide Lr. No. GPL/MoEF/024. **Annexure 21 attached**
7.	All the recommendation of the EMP and DMP shall be complied with letter and spirit.	Being Complied. The Port has been meeting the recommendations of EMP and DMP.
8.	Construction activity shall be carried out strictly as per the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area	Complied There is no construction activity other than permitted activity according to the CRZ clearance.
9.	The project shall be executed in such a manner that there shall not be any disturbance to the fishing activity	Complied.
10.	It shall be ensured that there is no displacement of people, houses or fishing activity as a result of the project	Complied
11.	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive	Complied
12.	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Complied.

	General Conditions	
13.	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality	Being complied.
14.	Full support shall be extended to the officers of this Ministry/ Regional Office at Bangalore by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.	Being complied.
15.	A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bangalore regarding the implementation of the stipulated conditions	Being complied.
16.	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.	Being complied.
17.	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry	Being complied.
18.	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to MoEF.	Being complied.
19.	The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work	Complied
20.	A copy of the clearance letter shall be marked to concerned Panchayat /local NGO, if any, from whom any suggestion/ representation has been made received while processing the proposal.	Complied. The EC & CRZ Clearance was displayed in local Panchayat and Mandal offices on 01.03.2012 and advertised in newspapers on 27.02.2012 Vaartha (Telugu) & The New Indian Express (English). Annexure -22
21.	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/ Tehsildar's office for 30 days.	Complied

	Other Conditions	
22.	These stipulations would be enforced among others under the provisions of Water (Prevention and control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981. The Environment (Protection) Act, 1986, the public liability (Insurance) Act 1991 and EIA notification 1994 including amendments and rules made thereafter.	Being complied.
23.	All other statutory clearances such as the approval for storage of diesel from chief controller of explosive, Fire department, Civil aviation department, Forest conservation act 1980 and Wild life (protection) act 1972 etc. Shall be obtained, as applicable by project proponents from the respective competent authorities.	The provisions of Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 is not applicable for the Port project, as per the Lr. No. Rc.No.453/2004 dated 19/11/2004.
24.	The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded environmental clearance and copies of clearance letters are available with the state pollution control boards and may also be seen on the website of the Ministry of Environment and Forests at http://www. envfor.inc.in. The Advertisement should be made within 10 days from the date of receipt of the clearance letter and a copy of the same should be forwarded to the regional office of this Ministry, Bangalore.	Complied.
25.	Environment Clearance is subject to final order of the honorable supreme court of India in the matter of Goa foundation Vs Union of India in writ petition (Civil) number 460 of 2004 as may be applicable to this project.	Being complied.
26.	Status of compliance to the various stipulated Environmental conditions and Environmental safe guards will be uploaded by the project proponent in its website.	Being complied.
27.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisat/ Municipal Corporation, urban local body, local NGO, if any, from whom suggestions/ Representations, if any where received while processing the proposal. The	Complied.

	clearance letter shall also be put on the website of the company by the proponent.	
28.	The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Being complied.
29.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the Company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail. MoEF by e-mail.	Being complied.

6. Specific and general conditions of Andhra Pradesh Coastal Zone Management Authority (APCZMA) NOC No. Letter No. 338/CRZ/Port/2021 24/10/2021

Sl. No	Condition	Compliance submitting to statutory departments
PART A: Specific Conditions:		
1.	The proposed constructions shall conform to the norms prescribed in CRZ Notification issued by the Ministry of Environment and Forests, Government of India S. O. No.19(E), dated 06-01-2011 and shall not affect the coastal ecology of the area.	AGPL is not carrying-out any constructions in the present cargo enhancement proposal.
2.	No activity on ground shall be undertaken without obtaining Environmental Clearance from the Ministry of Environment and Forests, Government of India as per S. O. No.19(E), dated 06-01-2011.	Complied.
3.	The Port authorities shall continue to nourish the beaches located on the northern side of North Breakwaters within the Port limits, which are vulnerable to sea erosion during monsoon season and also during cyclone.	Being complied.
4.	Dredged materials shall be utilized for shore protection, beach nourishment depending on its suitability.	Being complied.
5.	The project proponent while executing this project shall not disturb any of the ecologically sensitive areas like mangroves, sand heaps, sand dunes, disturbance to fishing activity etc.	Being complied.
6.	The applicant shall ensure that Continuous monitoring of all likely affected parameters including air/ water quality/ waste water discharges are monitored and monthly report is to be submitted to the APPCB.	Being Complied.
7.	Priority to be given to the maintenance of storm water drains from the surrounding area to prevent possible flooding of the surrounding areas.	Complied.
8.	The proponent shall not increase the number of berths (existing berths – 9 nos.) and also no marine side construction activity is to be carried out under this modernization program.	AGPL is not carrying-out any constructions both land & marine side in the present cargo enhancement proposal.
9.	Mechanization of Port operations shall be taken up to improve the Air quality area. SPM levels to be maintained within the standards stipulated by the APPCB / CPCB. All the conveyors shall be closed.	Noted and will comply with the condition.
10.	Oil spills if any shall be properly collected and disposed as per the Rules. Project proponent shall install necessary oil spill mitigation measures.	Being complied.

Sl. No	Condition	Compliance submitting to statutory departments
11.	No solid waste shall be disposed in the Coastal Regulation Zone area. The solid waste shall be properly collected, segregated and disposed as per the provision of Solid Waste (Management and Handling) Rules, 2000 and amendment thereof.	Being complied.
12.	Ground water shall not be drawn from deep bore well within the CRZ area. As per the details provided, fresh water has to be sourced from Visakhapatnam Industrial Water Supply Company Limited (VISCOW) only.	Being complied.
13.	Raising and maintenance of Green belt within and outside the port area to be taken up on priority and necessary assistance shall be extended to the local agencies involved in the implementation of aforestation programme.	Complied
14.	The Project Proponent shall submit the half -yearly compliance reports of CRZ Clearance duly audited by the accredited consultants on the degree of compliance by the project proponent during and after construction of the project.	Being complied.
15.	The proponent shall implement all the mitigation measures as mentioned in the Marine EIA report.	Being complied.
16.	All the dusty cargo shall be appropriately covered during transportation and storage in the port premises. Settling ponds shall be provided in coal storage area & the supernatant water shall be used for dust suppression.	Complied. AGPL has provided 6 No. of settling ponds i.e., 3 nos. at Transfer Tower – 8 location & 3 at Yard no.5 & 6 locations for collection of yards' runoffs.
17.	The project proponent shall obtain all necessary clearances/ permission from the concerned authorities as applicable.	Complied.
18.	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Noted and Presently there is no construction work, We will comply as per the requirements
	PART B: General Conditions:	
1.	A copy of the clearance letter shall also be displayed on the website of the AP Pollution Control Board. The Clearance letter shall also be displayed at the AP Pollution Control Board Regional Office, District Industries Centre and District Collector Office/ Mandal Revenue Office for 30 days.	Complied.

Sl. No	Condition	Compliance submitting to statutory departments
2.	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to the Andhra Pradesh Coastal Zone Management Authority (APCZMA) and AP Pollution Control Board Regional Office.	Being complied.
3.	Concealing factual data by the project proponent, any Officer on behalf of the project proponent and consultants hired by the project proponent or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted and will comply with the condition.
4.	Consent for Establishment (CFE) and Consent for Operation (CFO), as may be applicable, shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Obtained CTE & CTO of APPCB.
5.	All waste (liquid and solid) arising from the proposed development shall be disposed of as per the norms prescribed by State Pollution Control Board. There shall not be any disposal of untreated effluent into the sea/coastal water bodies.	Complied
6.	Full co-operation shall be extended to the officials from the APCZMA, APPCB and Regional Office of MoEF&CC, during monitoring of implementation of environmental safeguards stipulated. It shall be ensured that documents/data sought pertinent is made available to the monitoring team. A complete set of all the documents submitted to APCZMA shall be forwarded to the AP Pollution Control Board Regional Office.	Noted and complied
7.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the APCZMA.	Noted and will comply with the condition.
8.	The APCZMA reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the CRZ clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested	Noted and will comply with the condition.

Sl. No	Condition	Compliance submitting to statutory departments
	safeguard measures in a time bound and satisfactory manner.	
9.	All other statutory clearances shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted and will comply with the condition as per applicability .
10.	The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded CRZ Clearance and copies of clearance letters are available with the AP Pollution Control Board and may also be seen on the website of APCZMA. The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the AP Pollution Control Board Regional Office.	Complied.
11.	This Clearance is subject to any order passed by any Hon'ble Courts, as may be applicable to this project.	Noted and will comply with the condition.
12.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied.
13.	The proponent shall upload the status of compliance of the stipulated conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the AP Pollution Control Board Regional Office and the APPCB, Head Office.	Being complied
14.	The Project Proponent shall ensure that there is no destruction of mangroves, if any, during the construction as well as the operation phase of the project.	No mangroves within the Port & surroundings.
15.	There shall be no dressing or alteration of the sand dunes and natural features, including landscape changes for beautification, recreation and other such purpose.	Being complied
16.	No permanent labour camp, machinery and material storage shall be allowed in CRZ area.	Noted and complied

Sl. No	Condition	Compliance submitting to statutory departments
17.	There shall no ground water drawl within CRZ without prior approval of the State Ground Water Authority.	complied
18.	Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority	Noted and presently no construction work. We will comply as per applicability .

7. Compliance of the conditions stipulated in EC & CRZ Clearance No. 10/51/2021-IA.III, dated 24.12.2021.

Sl. No	Condition	Compliance submitting to statutory departments
	SPECIFIC CONDITIONS	
i.	No construction activity beyond the existing layout area shall be undertaken for the project. Only modernization/ mechanization as envisaged in the present proposal shall be permissible.	Complied. Not started any construction activity in the existing layout area.
ii.	Erosion of shoreline has been noted at the project location and adjoining areas due to existing port and hence Shore Management plan and beach nourishment plan need to be prepared and an implementation report needs to be submitted to the Ministry as a part of 6 monthly compliance report. Beach Nourishment strategy has to be developed with the help from a reputed scientific institute specialized in the subject.	Complied.
iii.	All the recommendations and conditions specified by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) vide letter No 338/CRZ/Port/2021 dated 24th October 2021 shall be complied with.	Complied.
iv.	Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied
v.	Necessary approvals to be taken during implementation and commissioning from statutory bodies concerned.	Being Complied
vi.	Continuous online monitoring of air and water covering the total area shall be carried out and the compliance report of the same shall be submitted along with the 6 monthly compliance reports to the regional office of MoEF&CC.	Being Complied.
vii.	Spillage of fuel / engine oil and lubricants from the site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.	Being Complied

Sl. No	Condition	Compliance submitting to statutory departments
viii.	Necessary arrangements for the treatment of the effluents and solid wastes/ facilitation of reception facilities under MARPOL must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986. The provisions of Solid Waste Management Rules, 2016. E- Waste Management Rules, 2016, and Plastic Waste Management Rules, 2016 shall be complied with.	Being complied.
ix.	Necessary arrangement for general safety and occupational health of people should be done in letter and spirit.	Complied.
x.	The dust suppression measures for the proposed increase in the cargo should be ensured through mechanized handling of cargo and conveyance.	Complied
xi.	The waste water from oil spillage or cargo should be treated and disposed.	Being complied.
xii.	As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 30th September, 2020, the project proponent shall abide by all the commitments made by them including pollution control, environmental protection and conservation, R&R, wildlife and forest conservation/protection measures including the NPV, Compensatory Afforestation etc, either proposed by the project proponent based on the social impact assessment and R&R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP	Noted and will comply with the condition.
	STANDARD CONDITIONS:	
	Statutory compliance:	
i.	Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011 and the State Coastal Zone Management Plan as drawn up by the State Government. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	AGPL has completed Phase – I & II construction as per the provision under CRZ Notification. 1991 as amended subsequently and project is in operation from Aug 2008.
ii.	A certificate of adequacy of available power from the agency supplying power to the project	Complied

Sl. No	Condition	Compliance submitting to statutory departments
	along with the load allowed for the project should be obtained.	
iii.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.	Being Complied
	Air quality monitoring and preservation:	
iv.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the project area at least at four locations, covering upwind and downwind directions.	Complied.
v.	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed emission standards.	Being complied.
vi.	Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.	Being complied.
vii.	Dust collectors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.	Being a port facility, no blasting activities are involved.
xiii.	The Vessels shall comply the emission norms prescribed from time to time.	Being complied.
xiv.	Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all	Being complied. AGPL permitted to operate the following capacities of DG sets

	proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.	3 X 320 KVA, 3 X 1250 KVA 1 X 800 KVA, 2 X 380 KVA, 1 X 200 KVA DG Sets which are being used for emergency power backup.
xv.	A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.	Complied
III.	**Water quality monitoring and preservation:**	
xvi.	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	Complied.
xvii.	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality. Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.	Complied
xviii.	No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.	Complied
xix.	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.	Noted and will comply with the condition.
xx.	The project proponents will draw up and implement a plan for the management of	There is no intake and withdrawal of sea water is involved in the Port operations.

	temperature differences between intake waters and discharge waters.	
xxi.	Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.	Being Complied.
xxii.	Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.	Being Complied.
xxiii.	Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.	Being Complied. AGPL has been operating 2 Nos. of STPs of 5 KL & 30 KL capacity for treating the wastewater.
xxiv.	A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.	Complied.
xxv.	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.	Complied.

xxvi.	All the erosion control measures shall be taken at water front facilities. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body.	Complied
IV.	**Noise monitoring and prevention:**	
xxvii.	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Being complied.
xxviii.	Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipment.	Being Complied.
xxix.	Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating	Being complied.

	personnel shall be implemented as mitigation measures for noise impact due to ground sources.	AGPL permitted to operate the following capacities of DG sets 3 X 320 KVA, 3 X 1250 KVA 1 X 800 KVA, 2 X 380 KVA, 1 X 200 KVA DG Sets which are being used for emergency power backup.
xxx.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.	Being Complied.
V.	**Energy Conservation measures:**	
xxxi.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;	Noted and will comply with the condition to the extent possible.
xxxii.	Provide LED lights in offices and project areas.	Noted LED lights are installed in our offices and operational areas . We will comply with the condition as per applicability
VI.	**Waste management:**	
i.	Dredged material shall be disposed safely in the designated areas.	Being complied.
ii.	Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring reports.	Complied.
iii.	Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.	Being complied.
iv.	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	Being complied.
v.	Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.	Being complied.
vi.	A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.	Complied.
vii.	Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as	Being Complied.

	per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.	
viii.	Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be covered.	Being complied.
VII.	**Green Belt:**	
i.	Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.	320 Acres green belt has been developed and we will comply with condition as per applicability .
ii.	Top soil shall be separately stored and used in the development of green belt.	Being complied.

VIII.	**Marine Ecology:**	
iii.	Dredging shall not be carried out during the fish breeding and spawning seasons.	complied.
iv.	Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.	complied
v.	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.	complied.
vi.	While carrying out dredging, an independent monitoring shall be carried out through a Government Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.	Noted and compiled . We will comply with the condition as per applicability .
vii.	A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds,	Complied.

	sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography.	
viii.	Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components including all micro, macro and mega floral and faunal components of marine biodiversity.	Being Complied.

ix.	The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.	Being Complied
IX.	**Public hearing and human health issues:**	
i.	The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.	Being complied.
ii.	Workers shall be strictly enforced to wear personal protective equipment like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.	Being complied.
iii.	In case of repair of any old vessels, excessive care shall be taken while handling Asbestos & Freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos materials at site before disposal to CTSDF.	Being complied.
iv.	Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned	Being complied.

	officials to prevent the occurrence of untoward incidents/ accidents.	
v.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being complied.
vi.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Being complied.
vii.	Occupational health surveillance of the workers shall be done on a regular basis.	Being complied.
X.	**Environment Responsibility:**	
i.	The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/ deviation/ violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.	Being complied.
ii.	A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.	Complied.
iii.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional	Being Complied.

	Office along with the Six Monthly Compliance Report.	
iv.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Complied.

XI.	**Miscellaneous:**	
v.	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.	Complied
vi.	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.	Complied.
vii.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.	Complied.
viii.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Complied.
ix.	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.	Complied.
x.	The criteria pollutant levels namely; PM2.5, PM10, SO_2, NOx (ambient levels) or critical sectoral parameters, indicated for the project	Being Complied.

	shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.	
xi.	The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.	AGP is yet to start implementation of cargo enhancement project.
xii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted and will comply with the condition.
xiii.	The project proponent shall abide by all the commitments and recommendations made in the EIA/ EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	Noted and will comply with the condition.
xiv.	No further expansion or modifications In the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted and we will comply with the condition
xv.	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted and will comply with the condition.
xvi.	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.	Noted and will comply with the condition.
xvii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted and will comply with the condition.
xviii.	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.	Noted and will comply with the condition.
xix.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974,	Noted and will comply with the condition.

	the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	
xx.	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted and will comply with the condition.

Compliance of the conditions stipulated in APPCB - Consent to Establishment for cargo augmentation from the existing 40.95 MMTPA to 60.95 MMTPA vide Order No. APPCB/ VSP/ VSP/ 113/ CFE/ HO/2012, dated 16.08.2022.

<table>
<tr><th>Sl. No</th><th>Condition</th><th>Compliance submitting to statutory departments</th></tr>
<tr><td></td><td>ANNEXURE</td><td></td></tr>
<tr><td>1.</td><td>The port facility shall obtain consents for operation (CFO) from APPCB, as required under sec.25/26 of the water (P&C of P) act, 1974 and under sec. 21/22 of the air (P&C of P) act, 1981, before commencement of the expansion activity.</td><td>Being Complied</td></tr>
<tr><td>2.</td><td>Compensation is to be paid for any environmental damage caused by it, as fixed by the collector and district magistrate as civil liability.</td><td>Noted and will comply with the condition.</td></tr>
<tr><td>3.</td><td>The Rules and Regulations notified by Ministry of Law and Justice, GoI, regarding the public liability insurance act, 1991 shall be followed.</td><td>Noted and will comply with the condition.</td></tr>
<tr><td></td><td><u>Water:</u></td><td></td></tr>
<tr><td>4.</td><td>The source of water supply is from gvmc and the maximum permitted water consumption after proposed expansion activity is as following:
<table>
<tr><th>S. No</th><th>Purpose</th><th>Qty as per CFO order dt.13.01.2016 (KLD)</th><th>Qty as per EC order dt.24.12.2021 & Proposed CFE expansion (KLD)</th><th>Total quantity after expansion (KLD)</th></tr>
<tr><td>1.</td><td>Gardening</td><td>25.00</td><td rowspan="4">360.00</td><td rowspan="4">1754.10</td></tr>
<tr><td>2.</td><td>Dust suppression</td><td>1296.00</td></tr>
<tr><td>3.</td><td>Ship supply</td><td>32.50</td></tr>
<tr><td>4.</td><td>Miscellaneous</td><td>40.60</td></tr>
<tr><td>5.</td><td>Domestic</td><td>40.00</td><td>18.00</td><td>58.00</td></tr>
<tr><td></td><td>Total</td><td>1434.10</td><td>378.00</td><td>1812.10</td></tr>
</table>
Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes viz., dust suppression, domestic, miscellaneous, development of greenbelt</td></tr>
<tr><td></td><td>Compliance: AGPL is in the process of providing separate meters for assessing the quantity of water used for each of the purposes viz., dust suppression, domestic, miscellaneous, development of greenbelt.</td><td></td></tr>
</table>

<table>
<tr><td>5.</td><td>The maximum waste water generation (KLD) shall not exceed the following:
<table>
<tr><th>S. No</th><th>Source</th><th>Qty as per CFO order Dt.13.01.2016 (KLD)</th><th>Qty as per EC order Dt:24.12.2021 & as Per CFE expansion (KLD)</th><th>Total qty after Expansion (KLD)</th></tr>
<tr><td>1.</td><td>Domestic waste after treatment in STP</td><td>32.00</td><td>14.40</td><td>46.40</td></tr>
<tr><td></td><td>Total</td><td>32.00</td><td>14.40</td><td>46.40</td></tr>
</table>
Treatment & disposal:
<table>
<tr><th>S. No.</th><th>Effluent description</th><th>Treatment</th><th>Disposal</th></tr>
<tr><td>1</td><td>Domestic effluent</td><td>Stps of capacity – 50 KLD (Existing STP – 35 KLD Proposed STP – 15 KLD)</td><td>The treated water shall be utilised for green belt development in own premises.</td></tr>
</table></td></tr>
<tr><td></td><td>Compliance: AGPL is yet to start implementation of cargo enhancement project.</td></tr>
<tr><td>6.</td><td>The effluent / sewage shall be treated to the onland for irrigation standards, as stipulated under schedule vi of Environment (Protection) Rules, 1986, notified by Ministry Of Environment And Forests, Government Of India vide g.s.r.422 (e), dt.19.05.1993 and its amendments thereof. The treated waste water shall be used for development of greenery, dust suppression, re-used for various purposes within the premises.</td><td>Being Complied.</td></tr>
<tr><td>7.</td><td>Air: Existing:
<table>
<tr><th>S. No.</th><th>Details of stack</th><th>Stack -1 & 2</th></tr>
<tr><td>A.</td><td>Attached to:</td><td>Dg sets</td></tr>
<tr><td>B.</td><td>Capacity</td><td>3 x 320 KVA &
1 x 62.5 KVA</td></tr>
<tr><td>C.</td><td>Stack height above ground</td><td>4m & 6m</td></tr>
<tr><td>D.</td><td>Air pollution control equipment:</td><td>Acoustic enclosure</td></tr>
</table>
Additional DG Sets not proposed in the expansion project.</td></tr>
<tr><td></td><td>Compliance: AGPL obtained CTO vide order dated 22.08.2024 to operate the following capacities of DG sets 3 X 320 KVA, 3 X 1250 KVA 1 X 800 KVA, 2 X 380 KVA, 1 X 200 KVA DG Sets which are being used for emergency power backup.</td></tr>
<tr><td>8.</td><td>The port facility shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.</td><td>Being Complied.</td></tr>
<tr><td>9.</td><td>The port facility shall comply with the following for controlling fugitive emissions Vehicle movement shall be minimized / eliminated by implementing mechanical operation.</td><td>Noted and will comply with the condition.</td></tr>
</table>

	a. All the vehicles involved in transportation of cargo shall be covered with tarpaulin. b. Vehicles shall be managed to avoid traffic congestion and shall provide empty dusting vehicle washings / dry cleaning system to clean all out going cargo vehicles. c. Based on traffic density/ vehicular movements anticipated from the port, parking facilities shall be provided.	
10.	All the transfer points, loading / unloading points and conveyer systems shall be housed completely with leak proof arrangements. Adequate dust suppression and containment measures shall be implemented for effective control of fugitive emissions.	Noted and will comply with the condition.
	Hazardous / Solid Waste details:	
11.	The Port Authority shall comply with the following w.r.t disposal of solid waste:	

S. No.	**Name of the solid waste**	**Qty as per CFO Order dt. 13.01.2016**	**Qty proposed for Expansion**	**Total qty after CFE expansion**	**Method of Disposal**
1.	Waste Oils & Grease	12,000 LPA	---	12,000 LPA	Shall be disposed to authorized Re-processors/ Recyclers / to the Cement industries to use as alternate fuel in the kiln routed through M/s APEMCL
2.	Domestic solid waste	10 TPM	3.60 TPM	13.60 TPM	Shall be collected segregated and disposed as per MSW Rules in consultation with GVMC Authorities.
3.	Discarded material, plastic material	10 TPM	0.25 TPM	10.25 TPM	Shall be disposed to authorized recyclers only
4.	Sludge from STP	1.0 TPM	0.165 TPM	1.165 TPM	Shall be composted and used for green belt development
5.	Lead acid batteries	---	---	---	Shall be disposed to authorized recyclers routed through M/s

							APEMCL
	Compliance: Being complied.						

	Other Conditions:	
12.	The Gangavaram port facility shall comply with the conditions stipulated in the EC order dt.24.12.2021 issued by the MoEF, CC & GoI.	Being complied.
13.	The Gangavaram port facility shall provide the 4th Continuous Ambient Air quality (CAAQM)station with Beta Ray Attenuation technology as per the EC order condition and as committed in the CFE Committee meeting.	Complied.
14.	The Gangavaram port facility shall get a study carried out by Andhra University or any other reputed institute clearly establishing the Ambient Air Quality Levels with existing system and projected levels if tube conveyor system is not provided considering the proposed expansion activities within 6 months.	Complied.
15.	The Gangavaram port shall Conduct Health camps jointly with medical and health departments Govt. AP in the nearby villages.	Complied.
16.	Fire detection and firefighting facilities with adequate water storage facility shall be provided in fire prone area in consultation with competent authorities.	Complied
17.	Onsite & offsite Disaster Management plan shall be prepared to meet any eventuality in case of any accident. Mock drills shall be conducted atleast twice a year and modifications required if any shall be incorporated in Disaster Management Plan and shall submit to Board	Complied
18.	The following rules and regulations notified by the MOE&F, GOI shall be implemented. a. Regulation of Persistent Organic Pollutants Rules, 2018. b. Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016. c. Plastic Waste Management Rules, 2016. d. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 e. Fly Ash Notification, 2016. f. Batteries (Management & Handling) Rules, 2010. g. E-Waste (Management) Rules, 2016. h. Construction and Demolition Waste Management Rules, 2016.	Complied

	i. Solid Waste Management Rules, 2016. j. The Public Liability Insurance Act, 1991 and its amendments thereof.	
19.	The Port facility shall obtain prior permission from MoEF&CC, GoI and APPCB for any changes in the cargo type / capacity.	Noted and will comply with the condition.
20.	DO levels in the sea water at the dredging area shall be monitored at regular interval and the dredging time shall be suitably regulated to prevent depletion of DO levels in the sea water.	Noted and will comply with the condition.
21.	Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.	Noted and will comply with the condition.
22.	Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.	Noted and will comply with the condition.
23.	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules,1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution)Act,1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.	Noted and will comply with the condition.

12. Condition-wise compliance status on the conditions stipulated in the CTO & HWA Order No. APPCB/VSP/113/CTO/HO/2009, dated 22.08.2024, valid up to 31.12.2029.

S. No.	Condition	Compliance
	SCHEDULE-A	
1.	Any up-set condition in any industrial plant / activity of the facility, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.	Noted the condition and will be followed.
2.	The facility should carryout analysis of wastewater discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.	Being complied. • AGPL established & operating 2 No. of Sewage Treatment Plants of 1 X 30 KLD & 1 X 5.0 KLD to treat the domestic sewage generated within the Port and carrying out the analysis of the treated water through a 3rd party laboratory and submitting the reports to APPCB on monthly basis and to MoEF &CC on Half-yearly basis. • As per the reports, the values are within the stipulated standards. • Being a Port activity, no Chimneys exist.
3.	Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.	Noted the condition.
4.	The facility shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.	Noted the condition and will be followed.
5.	The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.	Being complied. AGPL has submitted Environment Statement – Form – V is on 27.09.2025 for the FY 2024-2025. Copy attached as **Annexure - 9**

6.	The applicant should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CTO conditions for obtaining Consent & HW Authorization of the Board.	Noted the condition and will be followed.
7.	The facility should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.	Noted the condition and will be followed.
8.	Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.	Noted the condition.
9.	The facility shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.	Noted the condition.
10.	The facility may explore the possibility of tapping the solar energy for their energy requirements.	AGPL is in the process of power purchase agreement from renewables (Wind and Solar) through AP Transco via Interstate Power Transmission system. 2.5 Megawatt purchased from Kavda. Annexure 23

11.	The facility should educate the workers and nearby public of possible accidents and remedial measures.	AGPL is conducting safety TBT & training on regular basis to the employees, port users and Mock drills periodically.

S. No.	Condition	Compliance
	SCHEDULE-B	
	The issue of CTO&HWA (Expansion) to the facility **was placed in the Consent Management Committee meeting held on 08.08.2024. The** facility **shall comply with the following conditions:**	
1.	The facility shall install the digital display board at Port premises.	Installed digital display board at Port premises.
2.	The facility shall ensure the energy conservation measures by solar power generation.	AGPL is in the process of power purchase agreement from renewables (Wind and Solar) through AP Transco via Interstate Power Transmission system.
3.	The facility shall comply with the Task Force directions dated 27.04.2023, and conditions stipulated in CTO order dated 22.08.2023 and the control measures proposed by the facility as committed vide letter dated 05.08.2024. The details are as follows:	

S. No	Project Details	Project Term	Target Date	Status
1.	Replacement of the existing 3 No. of CAAQM Stations with Beta Ray Attenuation Technology	Short Term	November, 2024	Complied
2.	Separate / individual digital water meters to be provided at Critical locations	Short Term	November, 2024	Complied
3.	Replacement of existing Analog meters with Digital Water Flow Meters for 2 STP Outlet and New tyre washing outlet purpose.	Short Term	November, 2024	
4.	Replacement of existing Analog meters with IOT and digital flow meters.	Short Term	November, 2024	
5.	DG set retrofitting as per the CPCB / SPCB directions to the existing DG sets	Short Term	November, 2024	Complied
6.	Pre & Post dredging marine ecological study to be taken-up separately.	Short Term	January 2025.	Complied
7.	Extension of the wind break wall provided towards Gangavaram (V) for another 350 meters.	Medium	March-2025.	Complied &Total 540 meters done .

		8.	In addition to the closed shed for storage of waste oils & other solid wastes, additional storage shed for storage of Non-Hazardous and Hazardous waste to cater the storage needs for 3 months storage	Long term	12 Months	• Complied
		9.	Under Mechanization & Modernization – to upgrade the Stack yards with MDSS System in addition to the existing 176 no. of PLC based MDSS System	Long term	18 Months	Complied
		10.	Further strengthening the existing drainage system along with collection pits.	Long term	18 Months	Complied & 4.8 KM drainage system done.
		11.	To control the fugitive emissions, supporting with rows of greenbelt, propose to provide windshields around the individual operational areas	Long term	12 Months	Being Complied .Green belt is developed in Both up and down stream of operational areas.
		12.	All the existing Phase – I & II stack yards intermediate peripheral retaining wall for each stack pile in the yards for further protection of stockpiles.	Long term	18 Months	Being Complied. 420 meters retaining wall completed. Apart from this, 4.6 k, m drain with retaining wall completed at yard side .
	Water Pollution:					
4.	The source of water is Visakhapatnam Industrial Water Supply Co. The following is the permitted water consumption:					Being complied.

S. No.	Purpose	Quantity (KLD)
1.	Gardening	92
2.	Dust Suppression, Truck tyre washing etc.	1373
3.	Ship supply	50
4.	Miscellaneous	10
5.	Domestic	75
	Total	**1600 KLD**

<table>
<tr><td></td><td>Separate meters shall be maintained for assessing the quantity of water used for each of the purposes mentioned above purpose.</td><td></td></tr>
<tr><td>5.</td><td>The effluent discharged shall not contain constituents more than the tolerance limits mentioned below:
<table>
<tr><th>Out let</th><th>Parameter</th><th>Limiting Standards (mg/l except for pH</th></tr>
<tr><td rowspan="5">1</td><td>pH</td><td>6.50 – 8.50</td></tr>
<tr><td>Oil and Grease</td><td>10</td></tr>
<tr><td>Biochemical Oxygen Demand</td><td>`30</td></tr>
<tr><td>Total Suspended Solids</td><td><100</td></tr>
<tr><td>Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml</td><td><1000 MPN/100 ml</td></tr>
</table></td><td>• AGPL established & operating 2 No. of Sewage Treatment Plants of 1 X 30 KLD & 1 X 5.0 KLD to treat the domestic sewage generated within the Port and carrying out the analysis of the treated water through a 3rd party laboratory and submitting the reports to APPCB on monthly basis and to MoEF &CC on Half-yearly basis.
• As per the reports, the values are within the stipulated standards.</td></tr>
<tr><td>6.</td><td>The facility shall maintain Electro Magnetic flow meters with totalizers for water consumption, effluent generation mentioned in the Order.</td><td>Being complied.</td></tr>
<tr><td>7.</td><td>The facility shall provide & maintain separate energy maters for Sewage Treatment Plant (STP) and for Air pollution Control equipment to record energy consumption.</td><td>Maintaining separate energy maters for Sewage Treatment Plant.</td></tr>
<tr><td>8.</td><td>The effluent / sewage shall be treated to the on land for irrigation standards, as stipulated under schedule VI Environment (Protection) Rules, 1986, notified by Ministry of Environment And Forests, Government Of India vide G.S.R.422 (e), dt.19.05.1993 and its amendments thereof. The treated wastewater shall be used for development of greenery, dust suppression, re-used for various purposes within the premises.</td><td>Being complied.</td></tr>
<tr><td>9.</td><td>DO levels in the sea water at the dredging area shall be monitored at regular interval and the dredging time shall be suitably regulated to prevent depletion of DO levels in the sea</td><td>AGPL carrying out the Terrestrial & Marine parameters analysis on fortnight basis through 3rd party NABL agency and submitting the analysis reports to APPCB on monthly basis and to MoEF &CC on Half-yearly basis.April 25 to Sep-25 Monitoring results attached as Annexure-16</td></tr>
<tr><td></td><td>Air Pollution:</td><td></td></tr>
<tr><td>10.</td><td>The facility shall ensure compliance of the National Ambient Air quality standards notified by MoE&F,</td><td>AGPL installed & operating 4 No. of CAAQM stations were installed to measure the</td></tr>
</table>

	GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.	parameters PM 10, PM 2.5, SO^2, NO, NO^2, CO at the following locations and data connected to APPCB website. **Downwind directions towards habitation** i. Administrative office towards H.B. Colony (Station 1): ii. Project site office building towards Venkannapalem (Station2) iii. Watch tower – 4 towards Gangavaram village (Station-3). **Upwind direction towards RINL** iv. Silo (upwind directions RINL) – Statin - 4 As per the data, the SPM values are within Board standards. During the compliance period CAAQM Data attached as **Annexure-5**
11.	The facility shall comply with ambient air quality standards of PM_{10} (Particulate Matter size less than 10mm) - 100 mg/ m3; $PM_{2.5}$ (Particulate Matter size less than 2.5 mm) - 60 mg/ m3; SO_2 - 80 mg/ m3; NOx - 80 mg/m3, outside the factory premises at the periphery of the facility. Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009. Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A) Nighttime (10 PM to 6 AM) - 70 dB (A)	Being complied. AGPL installed & operating 4 No. of CAAQM stations were installed to measure the parameters PM 10, PM 2.5, SO^2, NO, NO^2, CO at the following locations and data connected to APPCB website. **Downwind directions towards habitation** i. Administrative office towards H.B. Colony (Station 1): ii. Project site office building towards Venkannapalem (Station2) iii. Watch tower – 4 towards Gangavaram village (Station-3). **Upwind direction towards RINL** iv. Silo (upwind directions-RINL) – Statin - 4 As per the data, the SPM values are within Board standards.
12.	The facility shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R. 804(E), dated 03.11.2022, under the Environment (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.	AGPL permitted to operate the following capacities of DG sets 3 X 320 KVA, 3 X 1250 KVA 1 X 800 KVA, 2 X 380 KVA, 1 X 200 KVA DG Sets which are being used for emergency power backup.

13.	The facility shall comply with the noise limits for DG sets (upto 1000 KVA) as per G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules.	AGPL permitted to operate the following capacities of DG sets 3 X 320 KVA, 3 X 1250 KVA 1 X 800 KVA, 2 X 380 KVA, 1 X 200 KVA DG Sets which are being used for emergency power backup.
14.	The facility shall maintain 4 CAAQMs with online connectivity to APPCB and maintain records.	Being complied.
15.	The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the project area at least at four locations, covering upwind and downwind directions.	Being complied. AGPL installed & operating 4 No. of CAAQM stations were installed to measure the parameters PM 10, PM 2.5, SO^2, NO, NO^2, CO at the following locations and data connected to APPCB website. **Downwind directions towards habitation** i. Administrative office towards H.B. Colony (Station 1): ii. Project site office building towards Venkannapalem (Station2) iii. Watch tower – 4 towards Gangavaram village (Station-3). **Upwind direction towards RINL** iv. Silo (upwind directions-RINL) Statin - 4 As per the data, the SPM values are within Board standards.
16.	The facility shall not stack the materials more than 12 meters height where MDSS system is available and shall maintain stack height of 10 meters at manual stack yards.	Being complied. Stacking within the limit .
17.	The facility shall maintain wind breaking wall all along the Gangavaram village side up to a height 10 mts as wind speed is high in this area.	Erected 540 meters wind breaking wall near Gangavaram village and HB Colony to prevent any dust nuisance towards habitation & maintaining about 50 m width of green belt along port compound wall near Gangavaram (V).
18.	The facility shall not establish any other stock yards other than designated stock yards.	Being followed.
19.	The facility shall maintain Telescopic chute at ship loading points	Maintaining Telescopic chute at ship loading points.
20.	The facility shall maintain dusty cargo operations if the wind velocity crosses 20 KMPH and all MDSS sprinklers shall start immediately to maintain AAQ standards.	Being followed.

21.	The facility shall maintain fully mechanized handling equipment for loading and unloading operations for dusty cargo to the maximum extent possible.	Being complied.
22.	The facility shall handle alumina in completely closed enclosures.	Being complied.
23.	The facility shall maintain comply with the following for controlling fugitive emissions i. Vehicle movement shall be minimized / eliminated by implementing mechanical operation. ii. All the vehicles involved in transportation of cargo shall be covered with tarpaulin. iii. Vehicles shall be managed to avoid traffic congestion and shall provide empty dusting vehicle washings / dry cleaning system to clean all out going cargo vehicles. iv. Based on traffic density/ vehicular movements anticipated from the port, parking facilities shall be provided.	Being complied. a. Vehicle movement has been minimized by Establishing mechanical conveyor system for handling coal & Iron ore to prevent the spillage of cargo and provided closed hoods for the conveyor system to curb fugitive emissions of coal/iron ore particles into the air. b. Stacker cum re-claimers is being used for loading and unloading the coal. The railway wagons are being loaded mechanically. c. Established 16 No. of semi mechanized truck tarpaulin covering stations at various locations within the Port to facilitate and ensure all the outgoing cargos by Trucks are covered with tarpaulin. d. Ensuring that the tarpaulin is covered in all sides of the truck and tightly tied with rope so that the tarpaulin should not be uncovered while traveling until the truck reaches the destination without any transit spillage. e. Provided dedicated truck/tyre washing facility to wash all the outgoing vehicles f. Provided dedicated truck parking facility.
24.	All the transfer points, loading / unloading points and conveyer systems shall be housed completely with leak proof arrangements. Adequate dust suppression and containment measures shall be implemented for effective control of fugitive emissions.	Established mechanical conveyor system for handling coal & Iron ore to prevent the spillage of cargo and provided closed hoods for the conveyor system to curb fugitive emissions of coal/iron ore particles into the air.
25.	The facility shall maintain the following: a. The facility shall provide cladding / cover to the screen, conveyors and crusher.	a. Complied.

	b. Sprinklers shall be provided to suck emissions at transfer points of conveyors. c. The facility shall maintain ambient air quality within the Board standards. d. The facility shall co-ordinate with traffic police and GVMC for regular cleaning of roads upto National Highway to suppress the dust emissions.	b. Provided. c. Being complied. d. Being complied.

	General:	
26.	The facility shall not handle any un-consented cargo and not exceed the quantities mentioned in this order, without CTE & CTO order of the Board.	Being complied. AGPL has handled the consented cargoes 2.75 MMT during September 2025.
27.	The facility shall not dispose any non-hazardous waste outside the facility premises. The facility shall dispose other non-hazardous wastes as per the disposal option specified below:	Being complied.

S. No	Name of the solid waste	Quantity	Method of Disposal
1.	Domestic solid waste	13.60 TPM	Shall be collected segregated and disposed as per MSW Rules in consultation with GVMC authorities
2.	Discarded material, plastic material	10.25 TPM	Shall be disposed to authorised recyclers only
3.	Sludge from STP	1.165 TPM	Shall be composted and used in green belt program

1. The domestic solid waste is being collected and disposed to GVMC MSW Site on regular basis. **Annexure -10**

2. The plastic waste is being disposed to APPCB Authorized recycler.

3. The STP Sludge is being utilized as Manure to the greenbelt within the Port.

28.	The facility shall maintain the following records and the same shall be made available to the inspecting officers of the Board: a. Cargo handling details. b. Quantity of Effluents generated, treated, recycled/reused and disposed to CETP. c. Logbooks for pollution control systems.	Being complied. a. Being maintained b. Being maintained. c. The CAAQM Stations are connected to APPCB website.

	d. Characteristics of effluents and emissions. e. Hazardous/non-hazardous solid waste generated and disposed. f. Inspection book. g. Manifest copies of effluents / hazardous waste.	d. AGPL carrying-out the Terrestrial & Marine monitoring on fortnightly and submitting the Analysis reports to APPCB on Monthly basis. e. AGPL is disposing the waste oil through APEMCL only. f. Being complied. g. AGPL is disposing the waste oil through APEMCL only. (April-25 to September-25 disposal data attached as **Annexure-8**)
29.	The following rules and regulations (as amended and upgraded from time to time) notified by the MoEF&CC, GoI shall be implemented. a. Regulation of Persistent Organic Pollutants Rules, 2018. b. Hazardous waste and other wastes (Management and Transboundary Movement) Rules,2016. c. Plastic Waste Management Rules, 2022. d. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 e. Fly Ash Notification, 2016. f. Battery Waste Management Rules, 2022. g. E-Waste (Management) Rules, 2022. h. Construction and Demolition waste Management Rules, 2016. i. Solid Waste Management Rules, 2016. j. The Public Liability Insurance Act, 1991 and its amendments thereof. k. Bio Medical Waste Management Rules, 2016.	Being complied. a. Noted and being a port activity, there will not be any organic pollutants. b. Being complied and disposing the waste oil / used oil through APEMCL only. c. Disposing the plastic waste to Authorized Recycler only. d. Not handling any Hazardous chemicals. e. Being port activity, no fly ash generation involved. f. Disposing the used batteries to authorized recycler only. g. Disposing the E-waste to the authorized recycler only. h. Being complied. i. The solid waste generated is being disposed to MSW Site on regular basis. j. AGPL is having Public liability Insurance Policy No: 41107066, dated 17.09.2025, Valid till 14/09/2026 with Premium of Rs-5161/- & ERF of Rs.5161/-(Policy copy as attached **Annexure-13)** k. AGPL is operating an OHC to provide first-aid to the needy and the Bio-Medical waste is being disposed to M/s. Vasishta Environ Care, the authorized recycler. (Copy attached as **Annexure-11**)

30.	Spillage of fuel / engine oil and lubricants from the site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.	AGPL is following the updated oil spillage contingency plan & conducting mock drills from time to time. No spillage to sea.

31.	Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.	Established mechanical conveyor system for handling coal & Iron ore to prevent the spillage of cargo and provided cladding & closed hoods for the conveyor system to curb fugitive emissions of coal/iron ore particles into the air.
32.	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	Being complied.
33.	The facility shall obtain prior permission from MoEF&CC, GoI and APPCB for any changes in the cargo type / capacity.	Noted and being complied.
34.	The facility shall comply with the conditions stipulated in the EC order dt.24.12.2021 issued by the MoEF, CC & GoI & CTE orders dated 02.03.2012 & 16.08.2022 and CTO orders dated 13.01.2016, 22.08.2023 issued by APPCB.	Noted and being complied.
35.	The facility shall maintain green belt as stipulated in the EC order.	➢ Completed plantation of 40654 saplings during the financial year 2024-25. ➢ For the FY 2024-25 AGPL completed plantation of 14,290 up to 30.09.2025. ➢ As of now AGPL developed plantation with morethan 5.5 Lakhs saplings in about 320 acres within the Port premises . ➢ Maintaining 50 m width of green belt towards North and North-West direction with special emphasis towards habitation i.e., HB Colony, Peda Gantyada, Venkannapalem, Kongapalem & Gangavaram village. ➢ Maintaining thick greenbelt at Port Approach Road, Railway track side and at

		Truck parking area along the wind breaking wall towards HB Colony. ➢ Maintaining exclusive nursery with 80,000 saplings and employed 183 people to maintain and improve the green belt on continuous basis.
36.	The facility shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base.	I. AGPL is having Public liability Insurance Policy No: 41107066, dated 17.09.2025, Valid till 14/09/2026 with Premium of Rs-5161/- & ERF of Rs.5161/-(Policy copy as attached **Annexure-13)**
37.	The facility shall maintain digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, treated effluent concentrations Vs discharge standards, stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CTO; and exhibit the CTO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.	Complied.
38.	The facility shall strictly comply with the directions of the Hon'ble NGT issued, if any, in O.A. No .571/2022.	Complied. AGPL has achieved 100% compliance and submitted the latest status report to APPCB on 16.10.2025 for the period from July to Sep-2025. (Acknowledged copy as attached **Annexure-14.)**
39.	The conditions are stipulated without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.	Noted the condition.
	Special conditions:	
40.	Fire detection and firefighting facilities with adequate water storage facility shall be provided in fire prone area in consultation with competent authorities.	Being complied.
41.	Onsite & offsite Disaster Management plan shall be prepared to meet any eventuality in case of any accident. Mock drills shall be conducted atleast twice a year and modifications required if any shall be incorporated in Disaster Management Plan and shall submit to Board.	An onsite and offsite emergency action plan has been prepared and submitted to APPCB, RO, and VSP. Organizing periodical mock drills to draw the attention of the employees and to create the awareness of safety issues. ▪ Organizing periodical fire & safety trainings

		as a part of preparedness to face the challenges. ▪ Conducting workshops/seminars by top management involving all the employees & stakeholders to create the awareness of safety issues and preventive measures. ▪ Organizing Safety awareness at workplace, ▪ Conducting Tool Box Talk & Training at work place involving employees & associates on regular basis.
42.	The facility shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.	An onsite emergency action plan has been prepared and submitted to APPCB, RO, and VSP. Port is not falling under factory act. However, we are doing the audit of ISO45001 (OHS)by certified external party. Certificate attached **(Annexure -24)** Mock drills are being conducted periodically. Copy mentioned as **Annexure-18**
43.	The facility shall extend training to the working personnel for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.	Being complied. ▪ Organizing periodical fire & safety trainings as a part of preparedness to face the challenges. ▪ Conducting workshops/seminars by top management involving all the employees & stakeholders to create the awareness of safety issues and preventive measures. ▪ Organizing Safety awareness & Mass campaign at workplace, ▪ Conducting Toolbox Talk at workplace involving employees & associates on regular basis.
44.	The facility shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office.	Noted and periodical calibration is going on as per its schedule
45.	The facility shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the facility premises and outside the facility premises and emergency response system.	AGPL is maintaining onsite emergency plan and updated during July-2024. Also Maintaining HIRAC and EAI register .

46.	The facility shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.	AGPL is maintaining onsite emergency plan and updated during July-2024. **Annexure 19**

SCHEDULE – C

S. No.	Condition	Compliance
1.	The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.	Being complied.
2.	The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.	Being complied.
3.	The person authorized shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorization.	Being complied.
4.	Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.	Noted the condition and will be followed.
5.	The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site-specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.	Noted the condition and will be followed.
6.	The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty".	Noted the condition and will be followed.
7.	It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.	Noted the condition and will be followed.
8.	An application for the renewal of an authorization shall be made as laid down under these Rules.	Noted the condition and will be followed.

9.	Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.	Noted the condition and will be followed.
10.	Annual return shall be filed by June 30th for the period ensuring 31st March of the year.	For the FY – 2024-25, the Annual Returns viz., Form – 3 E-Waste, Form – 4 Hazardous Waste & Form – 8 Used batteries returns were submitted on 02.06.2025. FY-2024-25 Form-3 copy attached as **Annexure-7** FY-2024-25 Form-4 copy attached as **Annexure-8** FY-2024-25 Form-8 copy attached as **Annexure-20**
11.	The authorized person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.	Noted the condition and will be followed.
12.	The authorized person shall store Used /Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buy back basis.	Used battery returns Annual returns Form-8 for the period 2024-2025 submitted on 02.06.2025. FY-2024-25 Form-8 copy attached as **Annexure-20**
13.	The authorized person shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.	The Used / Waste oil is being disposed through APEMCL duly following the SOP.
14.	The authorized person shall maintain proper records for Hazardous & other wastes stated in Authorization in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.	For the FY – 2024-25, the Annual Returns viz., Form – 3 E-Waste, Form – 4 Hazardous Waste were submitted on 02.06.2025. FY-2024-25 Form-3 copy attached as **Annexure-7** FY-2024-25 Form-4 copy attached as **Annexure-8**
15.	The authorized person shall submit the condition wise compliance report of the conditions	Being submitted.

	stipulated in Schedule A, B &C of this Order on half yearly basis to Board office and concerned Regional office.	
16.	The industry shall route all the hazardous waste through M/s. APEMC.	Being complied.

LIST OF ATTACHMENTS

S.no	Description	Annexure numbers
1	All EC	Annexure-1
2	CTE -Latest (running)	Annexure-2
3	CTO -Latest (Running)	Annexure-3
4	Water Source, Consumption & Management	Annexure-4
5	CAAQM Monitoring (April-25 to Sep-25)	Annexure-5
6	Mechanized Operations	Annexure-6
7	E-Waste Management	Annexure-7
8	Hazardous Waste (Waste Oil):	Annexure-8
9	Environment Protection, Conservation, Implementation of EMP & Sustainable Measures. (Environmental Statement-Form-V (2024-25)	Annexure-9
10	Solid Waste Management	Annexure-10
11	BMW	Annexure-11
12	Environmental day celebrations	Annexure-12
13	PLI Policy	Annexure-13
14	NGT Task force Compliance Acknowledged copy	Annexure-14
15	The environment monitoring measures adopted by AGPL	Annexure-15
16	3rd part NABL Accreditor Environmental Monitoring results	Annexure-16
17	CSR Activities (April-25 to Sep-25)	Annexure-17
18	Mock Drills (Fire and Safety and Marine)	Annexure-18
19	On site emergency Management plan	Annexure-19
20	Form-8 Battery waste disposal 2024-25	Annexure-20
21	GPL-MoEF-024-2015 Lr to to CCF R.O. Chennai reg. CSR Information on EC dt 04.09.2015- Approved by CMD	Annexure-21
22	Annexure 2012 EC Paper add	Annexure-22
23	Annexure-23Adani-2.5 MW renewable energy from Khavda.	Annexure-23
24	Annexure -24 IS0 45001Certificate	Annexure-24

No.10-3/2005-IA-III
Government of India
Ministry of Environment and Forests

Paryavaran Bhawan,
CGO Complex, Lodi Road,
New Delhi-110003

Dated the 11th March, 2005

Sub: **Development of Port at Gangavaram near Visakhapatnam by M/s Gangavaram Port Limited - Environmental Clearance - regarding**

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Reference is invited to the letter No.6762/SADA/2004, dated 16.12.2004 from Government of Andhra Pradesh, Environment Forests Science and Technology Department regarding the subject mentioned. Further letters from M/s Gangavaram Port Limited received vide letter No.Nil, dated 30.12.2004 have also been considered

The proposed project involves setting up of deep-water multipurpose port at Gangavaram, Visakhapatnam district suitable for handling different types of cargos. The land requirement for the project is 1800 acres, which is being made available by Government of Andhra Pradesh. The site of the port is located at Latitude 17°37' N and Longitude 83°14' E near Dibbapalem village, Pedagantyada.

The proposal envisages construction of South Break Water of 1.3 km length, North Break Water of 1.1 km length and 4 berths, (1 dry bulk cargo, 1 fertilizer/lime stone, 1 container terminal, and 1 break bulk/multipurpose) and one exclusive berth for the port crafts, besides providing ware housing facilities and transit sheds. The project involves capital dredging of 8 million cubic metres, which will pumped to the shore for reclamation of back up area. The project is classified as Coastal Regulation Zone-III category and the inter tidal zone falling in between High Tide Line and Low Tide Line is categorized as Coastal Regulation Zone-I(ii). The total cost of the project is Rs.1459 crores.

The Andhra Pradesh Pollution Control Board has accorded NOC for the project vide their letter No.113/PCB/C.Esst/RO-VSP/AEE-N/2002-1225, dated 24.7.2003.

The proposal has been examined and environmental clearance under the provisions of Coastal Regulation Zone Notification, 1991 as amended from time to time is hereby accorded to this project subject to effective implementation of the following conditions:-

(A) Specific Conditions:

(i) The project proponent shall not undertake any destruction of mangroves during construction and operation of the project.

(ii) All the conditions stipulated by Andhra Pradesh Pollution Control Board in their consent letter No.113/PCB/C.Esst/RO-VSP/AEE-N/2002-1225, dated 24.7.2003 shall be effectively implemented

(iii) Littoral drift management using Rubble mound type should be adopted for breakwater construction and [illegible]

(iv) Random wave plume test should be conducted to check the stability of Breakwater section and Round Head, before commencement of work.

(v) A large quantity of stones are proposed to be quarried from Veraula hill. Environment Management and rehabilitation plan of the quarry site should be worked out and implemented.

(vi) Marine ecology monitoring shall be done regularly during construction of Breakwater and dredging operation.

(vii) Regular monitoring of air quality shall be done in the settlement areas around the project site and appropriate safeguard measures shall be taken to ensure that the population is not subjected to higher levels of air pollution.

(viii) Sewage arising in the port area shall be disposed off after adequate treatment to conform to the standards stipulated by APPCB and shall be utilized/re-cycled for gardening, plantation and irrigation.

(ix) The Relocation of the fishermen community will be done strictly in accordance with the norms prescribed by the State Government. The relocated fishermen community will be provided with all facilities including health care, education, sanitation and livelihood.

(x) Adequate plantation shall be carried out along the roads of the Port premises and a green belt shall be developed.

(xi) Project proponent shall regularly update the Disaster Management Plan from time to time.

(xii) Fire Fighting arrangements are examined to the new proposal.

(xiii) There shall be no withdrawal of ground water in CRZ area, for this project. The proponent shall ensure that as a result of the proposed constructions, ingress of saline water into ground water does not take place. Piezometers shall be installed for regular monitoring for this purpose at appropriate locations on the project site.

(xiv) The project shall not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/Electricity Department.

(xv) Specific arrangements for rain water harvesting should be made in the project design and the rain water so harvested should be optimally utilised. Details in this regard should be furnished to this Ministry's Regional Office at Bangalore within 3 months.

(xvi) The facilities to be constructed in the CRZ area as part of this project should be strictly in conformity with the provisions of the CRZ Notification, 1991 as amended subsequently

(xvii) [illegible] project.

(xviii) Green buffer zone shall be provided all around the project area in consultation with local forest department and the report submitted to this Ministry's Regional Office at Bangalore.

(xix) No product other than those permissible in the Coastal Regulation Zone Notification, 1991 shall be stored in the Coastal Regulation Zone area

B. General Conditions

(i) Construction of the proposed structures should be undertaken meticulously conforming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification 1991 & its amendments. All the construction designs / drawings relating to the proposed construction activities must have approvals of the concerned State Government Departments / Agencies.

(ii) Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during the construction phase of the project so as to avoid felling of trees/mangroves and pollution of water and the surroundings.

(iii) The project authorities must make necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper wastewater treatment plant outside the CRZ area. The quality of treated effluents, solid wastes and noise level etc. must conform to the standards laid down by the competent authorities including the Central/State Pollution Control Board and the Union Ministry of Environment and Forests under the Environment (Protection) Act, 1986, whichever are more stringent.

(iv) The proponent shall obtain the requisite consents for discharge of effluents and emissions under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (prevention and Control of Pollution) Act, 1981 from the Andhra Pradesh Pollution Control Board before commissioning of the project and a copy of each of these shall be sent to this Ministry.

(v) The proponents shall provide for a regular monitoring mechanism so as to ensure that the treated effluents conform to the prescribed standards. The records of analysis reports must be properly maintained and made available for inspection to the concerned State/Central officials during their visits.

(vi) In order to carry out the environmental monitoring during the operational phase of the project, the project authorities should provide an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters.

(vii) The sand dunes and mangroves, if any, on the site should not be disturbed in any way.

(viii) A copy of the clearance letter is to be marketed to the concerned Panchayat/Local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.

(ix) The Andhra Pradesh Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries Centre and Collectors Office/Tehsildar's Office for 30 days.

(x) The funds earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bangalore and the State Pollution Control Board.

(xi) Full support should be extended to the officers of this Ministry's Regional Office at Bangalore and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.

(xii) In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection.

(xiii) This Ministry reserve the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.

(xiv) This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.

(xv) The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at Website of the Ministry of Environment & Forests at http://www.envfornic.in. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bangalore.

(xvi) The Project proponents should inform the Regional Office at Bangalore as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of Land Development Work.

The above mentioned stipulations will be enforced among others under the Water Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (protection) Act, 1986, the Hazardous Chemicals (Manufacture, Storage and Import) Rules, 1989, the Coastal Regulation Zone Notification, 1991 and its subsequent amendments and the Public Liability Insurance Act,1991 and the Rules made

thereunder from time to time. The project proponents should also ensure that the proposal complies with the provisions of the approved Coastal Zone Management Plan of Andhra Pradesh State and the Supreme Court's order dated 14th April, 1996 in the Writ Petition No.664 of 1993 to the extent applicable to the proposal.

(A. Senthil Vel)
Joint Director

To

Shri K. Upendra Rao,
President,
Gangavaram Port Limited,
Plot No.208, Road No.14,
Jubilee Hills, Hyderabad-500033,
Andhra Pradesh.

Copy to:

1. Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, II Block, Koramangala, Bangalore - 560034.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
3. Shri T. Chatterjee, IAS, Principal Secretary to Government, Environment Forests Science and Technology Department, Secretariat, Hyderabad - 500022.
4. DIG (SU), Regional Office Cell, Ministry of Environment & Forests, New Delhi.
5. The Chairman, Andhra Pradesh State Pollution Control Board, Hyderabad.
6. Director EI Division, Ministry of Environment & Forests, New Delhi
7. Guard File.
8. Monitoring Cell.

(A. Senthil Vel)
Joint Director

5473
23/3/10

No. 10-14/2009-IA.III
Government of India
Ministry of Environment & Forests

Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110 003.

Dated: 19th March, 2010.

To
M/s. Gangavaram Port Limited,
Hansa Crest, 1st Floor,
Plot No.62, Road No.1,
Jubilee Hills,
Hyderabad – 500 033,
Andhra Pradesh.

Subject: Environmental and CRZ Clearance for the construction of 5th Berth in Visakhapatnam Andhra Pradesh by M/s. Gangavaram Port Ltd. – Reg.

***

This has reference to the letter No: 6586/CZMA/2008, dated 24.12.2008 of Special Chief Secretary, E.F.S. & T. Department, Govt. of Andhra Pradesh and subsequent letter dated 25.05.2009 and 02.11.2009 received on 07.12.2009 seeking prior Environmental and CRZ Clearance for the above project under the EIA Notification 2006 and CRZ Notification, 1991. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification – 2006 and subsequent amendment in 2009 and CRZ Notification, 1991 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, EIA, EMP and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 23rd – 24th April, 2009 and 21st – 23rd December, 2009.

2. It is inter-alia, noted that the original project was accorded Environmental Clearance for the construction of four berths and one exclusive berth for the port crafts besides providing ware housing facilities and transit sheds on 07.11.2008. The present proposal intends to develop the exclusive berth permitted earlier to accommodate the Port crafts into a full fledged General Cargo Berth with a draft of 14.50 m as part of augmenting the facilities to ensure better utilization of the constructed space. The total extent of the port area is 2,800 acres. The present proposal pertains to change of Cargo profile, to allow bigger vessels in the port, increase in number of berths, change of dimensions of berths, changes in cargo storage area etc. with an additional investment of Rs. 250 crores with a cumulative projected cost being in the order of Rs. 1650 crores.

AEE-2
PL file
23/3/10

3. The revised scope of the project includes the changes in the orientation of breakwaters, which is based on currents, and wave pattern of the sea. The estimated quantum of net annual littoral drift is assessed to be of the order of 9,00,000 cum moving from south to north. As per the Mathematical modeling, the long shore current along the southern breakwater indicates that sediments transport takes place along the breakwater towards the entrance channel. In the case of Gangavaram the average net sediment transport is estimated to be in the order of 0.9 million cum per year. The sand trap has been provided. The sand trap is designed between - 6.0 m and - 14.0 m contours outside the south breakwater to trap 0.5 to 0.6 million Cum of sediments per year. The starting point of the southern breakwater is shifted towards southern hill known as Meraka Mettia without any adverse impacts on shore. The length of southern breakwater is indicated as 1750 meters and oriented at 46° - 234°. The northern breakwater is 800 m long and oriented 153° - 333°. The orientation of the entrance channel to the port has been fixed at 84° - 264°. The width of the approach channel as per the report is 200 m with a dredged depth of - 20.2 m below CD and maneuvering area is -19.3 m below CD. The General Cargo berth will be 240 m. length, 21 m. width and with 14.50 m. draft.

4. As per the approved Coastal Zone Management Plan (CZMP), the entire port area is classified as CRZ-III. The Environmental Impact Assessment Report, Detailed Feasibility Report, Risk Assessment and Oil Spill Response Plan on Emergency Action Plan, Report on Demarcation of LTL, HTL, and CRZ Lines by National Institute of Oceanography, carried out. The Andhra Pradesh Pollution Control Board issued Consent Order for Establishment (CFE) through Order No. 113/PCB/CFE/RO-VSP/HO/2008, dt. 11.08.2008 for conversion of Berth earmarked for Port crafts into General Cargo Berth to handle containers and other dry cargo like agriculture products.

5. The Environment, Forests, Science and Technology Department, Govt. of Andhra Pradesh recommended the proposal vide letter No.6586/CZMA/2008, dated 24.12.2008 for the issue of Environmental Clearance.

6. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the grant of Environmental and CRZ Clearance for the project. Accordingly, the Ministry hereby accord necessary Environmental and CRZ Clearance for the above project as per the provisions of Environmental Impact Assessment Notification – 2006 and CRZ Notification, 1991 and its subsequent amendment in 2009, subject to strict compliance of the terms and conditions as follows:

7. **Specific Conditions :**

(i) No construction work other than those permitted in Coastal Regulation Zone Notification, 1991 shall be carried out in Coastal Regulation Zone area.

(ii) Sewage shall be treated and the Treatment Facility shall be provided in accordance with the Coastal Regulation Zone Notification, 1991. The disposal of treated water shall confirm the regulation of Andhra Pradesh State Pollution Control Board.

(iii) Oil spills if any shall be properly collected and disposed as per the Rules.

(iv) The approach channel shall be properly demarcated with lighted buoys for safe navigation and adequate traffic control guidelines shall be framed. The fishermen shall be suitably educated and informed about the traffic guidelines.

(v) The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

(vi) The project proponent shall take up mangrove plantation/green belt in the project area, wherever possible. Adequate budget shall be provided in the Environment Management Plan for such mangrove development.

(vii) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.

8. **General Conditions:**

(i) Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.

(ii) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.

(iii) Borrow sites for earth quarry sites for road construction material and dump sites must be identified keeping in view the following:

(a) No excavation or dumping on private property is carried out without written consent of the owner.

(b) No excavation or dumping shall be allowed on wetlands, forest areas or other ecologically valuable or sensitive locations.

(c) Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area, and

(d) Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they shall not leach into the ground water.

(iv) The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, specific approvals from the competent authority shall be obtained in this regard.

(v) Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.

(vi) Full support shall be extended to the officers of this Ministry/ Regional Office at Bangalore by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.

(vii) Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.

(viii) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.

(ix) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.

(x) The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.

(xi) Andhra Pradesh Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's office for 30 days.

9. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter.

10. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

11. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the Andhra Pradesh State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bangalore.

12. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No 460 of 2004 as may be applicable to this project.

13. Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

14. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

15. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO_2, NOx (ambient levels as well as stack emissions) or critical sectoral

parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

16. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

17. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e mail.

(Bharat Bhushan)
Director (IA-III)

Copy to:

(1) The Secretary, Department of Environment, Government of Andhra Pradesh, Secretariat, Hyderabad.
(2) The Chairman, Central Pollution Control Board, Parivesh Bhawan CBD-cum Office Complex, East Arjun Nagar, Delhi - 110 032.
(3) The Chairman, Andhra Pradesh Coastal Zone Management Authority and Principal Secretary, Environment, Forests and Sciences and Technology, Government of Andhra Pradesh, Hyderabad.
(4) The Member Secretary, Andhra Pradesh Pollution Control Board, Hyderabad.
(5) The CCF, Regional Office, Ministry of Environment & Forests(SZ), Kendriya Sadan, IVth floor, E&F wings, 17th Main Road, Koramangala II Block, Bangalore - 560 034.
(6) IA - Division, Monitoring Cell, MOEF, New Delhi - 110003.
(7) Guard file.

(Bharat Bhushan)
Director (IA-III)

F.No.11-91/2010-IA-III
Government of India
Ministry of Environment & Forests
(IA Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110 003.

Dated: 7th February, 2012.

To,
M/s Gangavaram Port Ltd,
Hansa Crest, Ist Floor,
Plot No. 62, Road No.1,
Jublee Hills,
Hyderabad

Subject: Environment and CRZ Clearance for the development of Phase -II of Gangavaran Port, Visakhapatnam District, Andhra Pradesh by M/s Gangavaram Port Ltd.-Reg.

This has reference to letter No: GPL/EFS&T/014 dated 10.08.2010 seeking prior Environmental and CRZ Clearance for the above project under the EIA Notification – 2006 and Coastal Regulation Zone (CRZ) Notification, 1991. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification – 2006 and Coastal Regulation Zone Notification, 1991/2011 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, recommendation of State Coastal Zone Management Authority, EIA, EMP and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meeting held on 17th -19th August, 2011.

2. It is interalia, noted that the proposal involves development of Phase -II of Gangavaran Port, Visakhapatnam District, Andhra Pradesh. Gangavaram Port is developed as all weather multipurpose deepest port in India to handle super cape size vessels located on the East coast of India approximately 15 km south of Visakhapatnam Port and acting like gateway port to the existing and green field projects in the hinterland. At Gangavaram Port presently five berths are under operation to handle variety of cargoes such as Coal / Iron ore, Fertilizer, Limestone, Food Grains, and Steel Products etc. It is proposed to expand the port facilities from 16.54 MTPA to 41 MTPA to cater for future cargo within the existing port premises at Gangavaram Village, Pedagantyada mandal, Visakhapatnam District, Andhra Pradesh. The existing Project already received Environmental Clearance under EIA & CRZ notifications vide letter No.10-14/2009-IA.III dt.19th March, 2010. The following facilities proposed to be planned at Gangavaram port to handle the above mentioned future traffic up to year 2015, (i) One mechanized coal berth to handle cape

size coal carrier and (ii) Three multipurpose berths to handle multipurpose/General cargo.

3. Dredging to the extent of 4.88 million cubic meters will be carried out in front of the berths and near the turning basin. The dredged material will be pumped onshore for reclamation of the port backup areas.The other associated facilities like Buildings, Storage, roads, railways, water, power, drainage, sewage, pollution control including Dust suppression system, greenery fire fighting system etc. are planned to be provided.

4. Additional Rail sidings will be developed within port premises to take on additional cargo evacuation. No additional land requirement as sufficient land is available within existing port premises. The water requirement will be 1000 m^3/day in addition to existing 600 m^3/day of Phase I and will be sourced from Visakha International Water Supply Company. The Power requirement will be 5 MVA in addition to 9 MVA of existing Phase – I and will be sourced from APTRANSCO. Adequate dust suppression measures will be installed in addition to existing sprayers. Zero waste water discharge shall be maintained by utilising treated waste water for dust suppression & green belt development. Total development green belt is 106 acres and further 40 acres will be developed before January, 2011. The total cost of the project is Rs. 800 crores.

5. ToR for the project was finalized by the EAC in its 94th Meeting held on 30 November, 1st –2nd December, 2010.Public Hearing was conducted on 12.05.2011 near the main Gate of the Port, Gangavaram.

6. The Andhra Pradesh Coastal zone Management Authority has recommended the project vide letter dated 3667/CZMA/2011 dated 27.07.2011.

7. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the grant of Environmental and CRZ Clearance for the project. Accordingly, the Ministry hereby accord necessary Environmental Clearance for the above project as per the provisions of Environmental Impact Assessment Notification – 2006 and Coastal Regulation Zone Notification, 2011, subject to strict compliance of the terms and conditions as follows:

8. <u>SPECIFIC CONDITIONS</u> :

(i) "Consent for Establishment" shall be obtained from State Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.

(ii) As the development is conceived in several stages to reach the

full designed/planned capacity of the port, it shall be necessary to prepare and put in place a master EMP for the full scale development and fit in the phase-wise creations as modules forming part of the entire system. This shall facilitate a harmonious planning of environmental requirements to be put in place in a phased manner in accordance with preset goal and objective as outlined in the overall environmental plan for the port in its totality.

(iii) The 4.88 million cum of dredged material shall be used for shore reclamation subject to its suitability. Any unsuitable/ excess dredged material shall be disposed at dumpsite. Port shall identify suitable dumping spot for disposal of unsuitable material offshore on the basis of appropriate modeling study.

(iv) The green belt area proposed is about 10 % only. Proponent shall enhance the area of green belt. Width of the green belt shall be minimum 50 m. The present stage of development of 40 acres of land for green belt which should have been completed before January 2011 shall be reported to the Ministry together with the programme adopted for implementation.

(v) There will be a quantum jump of port traffic from the existing level of 16.54 MTPA to 41 MTPA after completion of the proposed developments and this is likely to register further leap when full scale planned capacity is reached later; it is therefore necessary even now to plan appropriate measures to ensure that will be no mismatch between the planned capacity and the external logistic requirements in the overall transportation chain/network commensurate with the demand. A long range vision would be necessary to achieve a smooth flow of cargo traffic both within and outside port limits.

(vi) The Company shall enhance the allocation for the CSR activities from 2 5 to 5 % of the total cost and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bangalore. Implementation of such program shall be ensured accordingly in a time bound manner.

(vii) All the recommendation of the EMP and DMP shall be complied with letter and spirit.

(viii) Construction activity shall be carried out strictly as per the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.

(ix) The project shall be executed in such a manner that there shall not be any disturbance to the fishing activity.

(x) It shall be ensured that there is no displacement of people, houses or fishing activity as a result of the project.

(xi) The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.

(xii) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.

9. **GENERAL CONDITIONS:**

(i) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.

(ii) Full support shall be extended to the officers of this Ministry/Regional Office at Bengaluru by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.

(iii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bengaluru regarding the implementation of the stipulated conditions.

(iv) Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.

(v) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.

(vi) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment and Forests.

(vii) The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval

of the project by the concerned authorities and the date of start of land development work.

(viii) A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/ representation has been made received while processing the proposal.

(ix) State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's office for 30 days.

10. These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter.

11. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

12. The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bangaluru.

13. Environmental clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

14. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.

15. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

16. The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

17. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

(Lalit Kapur)
Director(IA-III)

Copy to:

1. The Chairman, Andhra Pradesh Coastal Zone Management Authority, IAS, Special Chief Secretary to Government, E.F.S & T. Department Government of Andhra, Pradesh Secretariat, Hyderabad-500 002

2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32.

3. The Member Secretary, Andhra Pradesh Coastal Zone Management Authority, IAS, Special Chief Secretary to Government, E.F.S & T. Department Government of Andhra, Pradesh Secretariat, Hyderabad-500 002

4. The Chairman, Andhra Pradesh Pollution Control Board, Paryavarana Bhawan, A-III, Industrial Area , Sanathnagar, Hyderbabad - 500 018, Andhra Pradesh.

5. The C.C.F., Regional Office (SZ), Ministry of Environment & Forests, Kendriya Sadan, IV Floor, Environment & Forests Wings, Office (SZ), 7th Main Road, II Block, Koramangala, Bangalore - 560 034.

6. Guard File.

7. Monitoring Cell.

(Lalit Kapur)
Director(IA-III)

ENVIRONMENTAL CLEARANCE

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, and Virtuous Environment Single-Window Hub)

Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The Vice President Environment

M/S. GANGAVARAM PORT LIMITED

M/s.Gangavaram Port Limited Peda Gantyada Mandal, Visakhapatnam District,,Visakhapatnam,Andhra Pradesh-530044

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/AP/NCP/237816/2021 dated 10 Nov 2021. The particulars of the environmental clearance granted to the project are as below.

1.	**EC Identification No.**	**EC21A033AP141550**
2.	**File No.**	10/51/2021-IA.III
3.	**Project Type**	Expansion7
4.	**Category**	A
5.	**Project/Activity including Schedule No.**	7(e) Ports, Harbours
6.	**Name of Project**	Environment & CRZ Clearance under Clause 7 (ii) of EIA Notification, 2006 and amendments thereafter – Increase in cargo handling capacity from 40.95 to 60.95 MTPA with existing 9 berths and within approved project area of 1800 acre through modernisation/mechanisation at Gangavaram Port
7.	**Name of Company/Organization**	M/S. GANGAVARAM PORT LIMITED
8.	**Location of Project**	Andhra Pradesh
9.	**TOR Date**	N/A

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 24/12/2021

(e-signed)
Amardeep Raju
Scientist E
IA - (INFRA-1 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH.Please quote identification number in all future correspondence.

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2. Gangavaram Port obtained Environmental and CRZ Clearance for a cargo handling capacity of 16.54 MTPA for the construction of four berths (dry bulk cargo-1, Fertilizer/limestone-1, container terminal-1 and break/multipurpose-1) and one exclusive berth for port crafts besides providing warehousing facilities and transit sheds vide EC No. 10-3/2005-IA.III dated 11.03.2005. Subsequently for development of fifth berth, GPL obtained EC & CRZ Clearance vide order F.No.10-14/2009-IA.III dated 19.03.2010.

3. EC & CRZ clearance for Phase – II was obtained vide Order F.No.11-91/2010-IA-III, dated 07.02.2012 with capacity augmentation from 16.54 MTPA to 40.95 MTPA and four additional berths (one mechanized coal berth to handle cape-size coal carrier and three multipurpose berths), for which, environmental public consultation was held on 12.05.2011 as per EIA notification, 2006 (as amended).

4. At present stage, Gangavaram port is operating with nine berths and provides cargo handling services for a variety of bulk and break bulk including coal, iron ore, Multi Cargo (Agri products, Slag, Lime stone, Steel products etc.,), Fertilizer, Industrial Raw Materials such as Gypsum, Aluminum Ingots, Gypsum etc. During the last six years' cargo handling has been increased upto 34.45 MTPA. By increasing the operational efficiency of existing port infrastructure without any marine infrastructure development, cargo handling capacity can be enhanced from approved capacity of 40.95 MTPA to 60.95 MTPA.

5. An application has been made by GPL for environmental and CRZ clearance under Clause 7(ii) for prior Environmental Clearance (EC) under Expansion or Modernization or Change of product mix in existing projects, of EIA notification, 2006 and amendments thereafter as:

a. No additional marine infrastructure such as berths, capital dredging, breakwater, reclamation is proposed. No additional land is proposed as sufficient land is available within already approved port boundary of 1800-acre area,

b. No CRZ -I (A) area present within port area as well as port limit and only material handling systems such as cranes and permissible back-up infrastructure will be created within CRZ - II area of port area.

c. Development /modernization of port back-up area is majorly in non CRZ area and partially falling in CRZ-II area of approved 1800-acre area. CRZ from 1 application along with EIA report submitted to APCZMA and recommendation from APCZMA was obtained vide Letter No. 338/CRZ/Port/2021 dated 24/10/2021.

d. No addition of any new cargo type in the current proposal and only increase in cargo handling capacity through modernization/mechanization of approved cargo profile (type) in the current proposal. Approximately 70 % of proposed 20 MMTPA, 7.75 MTPA is non-dusty cargo (container, steel products, agri-products etc.)

e. Modernization/mechanization of port will lead to reduction in carbon emissions due to increase in cargo evacuation through railway and up-gradation as well as addition of material handling systems including covered conveyor etc. will reduce inter-carting.

6. Public consultation has been already carried out for 9 berths and 1800-acre area as per EIA Notification, 2006 and amendments thereafter. Points raised during public hearing such as providing jobs, dust control measures, greenbelt development and CSR activities like support on health, education medical were addressed properly and there is no major grievance from public/regulatory authorities.

7. Following are the Cargo Handling Capacity through Modernization:

S. No.	Name of the cargo	Existing Cargo (MTPA) (Consented Quantity)	Additional Cargo (MTPA)	Total Cargo (MTPA)
1	Containers	0.25	7.75	8.00
2	Multi Cargo: Agri products, (Food grains in bags or bulk, Chickpeas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Lime Stone, Bauxite, Steel Products (Steel Beams, Coils, Billets, Angles, Channels, Project Cargo), Bulk Alumina & Other cargos.	6.20	6.50	12.70
3	Coal	25.00	3.25	28.25
4	Iron ore	3.00	2.50	5.50
5	Fertilizer	2.50	0	2.50
6	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminum Ingots, Aluminum Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles, CP Coke Bauxite, gypsum, clinker, scrap)	3.50	0	3.50
7	Liquid cargo (edible oil, caustic lye)	0.50	0	0.50

8. The proposed project falls under 7(e), Category-A, Ports, Harbours as per EIA Notification 2006. The proposed project is for expansion under Clause 7(ii) of EIA Notification, 2006 (as amended). Total investment/cost of the project is about Rs 5055 Crores.

9. Geo-coordinates of the project site is as following:

From: 17°39'39.162"N	To: 17°37'41.643"
From: 83°14'8.411" E	To: 83°15'44.670"E

10. Land use /Land breakup of the proposed project site is as following:

Sl. No.	LU/LC	Area (Ha)	Percentage %
1	Built up - Port	314.69	43.2
2	Vegetated/Open Area	359.95	49.41
3	Rocky Area	40.46	5.56
4	Open Scrub land	11.82	1.62
5	Water Reservoir	1.51	0.21
	Total	**728.43**	100

11. Terrain and topographical features: Eastern boundary of the port ground level varies from 0.8 m to 1.0 m and towards the western boundary of port location ground levels are higher than 2.0 m with respect to MSL.

12. Water requirements: The total water requirement during construction period is 1.0 MLD. The water required for proposed expansion/modernisation activity is 378 KLD which

will be sourced from treated water of STP (10 KLD) and remaining 368 KLD shall be sourced from VISCOW. Permission for withdrawal of 1200 KLD from VISCOW is available and additional water requirement application is filed to VISCOW.

13. Waste Management: It is estimated that domestic solid waste generated will be ~3.6 T/m. Discarded material and plastic material waste is estimated to be 0.25 T/m. The solid waste sludge from STP is ~ 5.5 kg/day. Used oil, spent oil, Wastes/Residue containing oil, Oil soaked rags, cotton waste, discarded containers, barrels & used battery will be collected and disposed to approved vendors and same will be continued to proposed project. Hazardous wastes generated at the port shall be disposed-off through authorized vendors duly adhering under guidelines of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and its amendment.

14. STP Details: The sewage generated at the project site will be treated in existing STP. GPL is operating two STPs of capacity 30 KLD near to harbour gate location beside stores and 5 KLD near Main gate. Another 15 KLD STP is proposed to meet the modernization/ mechanisation plan. Treated water will be utilized for green belt.

15. Tree cutting: Clearance of vegetation shall be carried out as per project requirement. Clearance of scrub vegetation with few tree species such as *Phoenix sylvestris* (Etha), *Acacia Nilotic* (Nalla tumma) and *Borassus flabellifer* (Thadi) is envisaged near the proposed backup area.

16. Green Belt development: Greenbelt/area is developed in an extent of 318.21 Acres within the port range covering periphery of yards, roads, buildings and along conveyor belt. In total, Greenbelt has been developed more than 10% of the total area and 50m width in the boundary of the port.

17. CRZ details: The project falls majorly in Non CRZ area and partly falling in CRZ-II as per approved CZMP map (Map Nos. AP 114,115 and 116) and the activities proposed within CRZ area are permissible as per CRZ notification, 2011. No marine side construction activity is proposed under this modernization. APCZMA recommendations obtained vide Letter no. 338/CRZ/Port/2021 dated 24/10/2021.

18. Foreshore details: No additional marine infrastructure such as berths, breakwater, capital dredging and reclamation is proposed.

19. Employment potential: Total man power requirement during the construction phase is approximately 200 to 250 workers. During operation phase, direct employment of 100 and indirect employment of 500 workers are envisaged.

20. Benefits of the project: The proposed expansion project will have major positive impact on Induced development, Improved Socio-economic conditions, Quality of Life, Employment Opportunities, Revenue Generation, Corporate Social Responsibility etc.

21. Details of court cases: No court cases are pending against the proposed project.

22. The EAC based on the information submitted and clarifications provided by the project proponent and detailed discussions held on all the issues in its 281st meeting on 24th - 25th November, 2021, recommended the project for grant of environmental and CRZ clearance under clause 7(ii) of EIA Notification, 2006, with stipulated specific conditions along with other Standard EC Conditions.

23. The Ministry of Environment, Forest and Climate Change has considered the proposal based on the recommendations of the Expert Appraisal Committee (Infrastructure, CRZ and other Miscellaneous projects) and hereby decided to grant Environmental Clearance for the "*Increase in cargo handling capacity from 40.95 to 60.95 MTPA with existing 9 berths and within approved project area of 1800 acre through modernisation/mechanisation at Gangavaram Port, Pedagantyada Mandal, Visakhapatnam District, Andhra Pradesh by M/s Gangavaram Port Limited*" under Clause 7(ii) of EIA Notification, 2006 (as amended) and CRZ Notification 2011, subject to strict compliance of the following specific conditions, in addition to all standard conditions applicable for such projects.

SPECIFIC CONDITIONS

i. No construction activity beyond the existing layout area shall be undertaken for the project. Only modernization/mechanization as envisaged in the present proposal shall be permissible.

ii. Erosion of shoreline has been noted at the project location and adjoining areas due to existing port and hence Shore Management plan and beach nourishment plan need to be prepared and an implementation report needs to be submitted to the Ministry as a part of 6 monthly compliance report. Beach Nourishment strategy has to be developed with the help from a reputed scientific institute specialized in the subject.

iii. All the recommendations and conditions specified by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) vide letter No 338/CRZ/Port/2021 dated 24th October 2021 shall be complied with.

iv. Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.

v. Necessary approvals to be taken during implementation and commissioning from statutory bodies concerned.

vi. Continuous online monitoring of air and water covering the total area shall be carried out and the compliance report of the same shall be submitted along with the 6 monthly compliance reports to the regional office of MoEF&CC.

vii. Spillage of fuel / engine oil and lubricants from the site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.

viii. Necessary arrangements for the treatment of the effluents and solid wastes/ facilitation of reception facilities under MARPOL must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986. The provisions of Solid Waste Management Rules, 2016. E- Waste Management Rules, 2016, and Plastic Waste Management Rules, 2016 shall be complied with.

ix. Necessary arrangement for general safety and occupational health of people should be done in letter and spirit.

x. The dust suppression measures for the proposed increase in the cargo should be ensured through mechanized handling of cargo and conveyance.

xi. The waste water from oil spillage or cargo should be treated and disposed.

xii. As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III dated 30th September, 2020, the project proponent shall abide by all the commitments made by them including pollution control, environmental protection and conservation, R&R, wildlife and forest conservation/protection measures including the NPV, Compensatory Afforestation etc, either proposed by the project proponent based on the social impact assessment and R&R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP

STANDARD CONDITIONS:

I. Statutory compliance:

(i) Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011 and the State Coastal Zone Management Plan as drawn up by the State Government. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.

(ii) A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.

(iii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.

II. Air quality monitoring and preservation:

(i) The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NOx in reference to SO_2 and NOx emissions) within and outside the project area at least at four locations, covering upwind and downwind directions.

(ii) Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed emission standards.

(iii) Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.

(iv) Dust collectors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.

(v) The Vessels shall comply the emission norms prescribed from time to time.

(vi) Diesel power generating sets proposed as source of backup power should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.

(vii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

III. Water quality monitoring and preservation:

(i) The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.

(ii) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality. Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.

(iii) No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.

(iv) Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.

(v) The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.

(vi) Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.

(vii) Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.

(viii) Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.

(ix) A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.

(x) No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.

(xi) All the erosion control measures shall be taken at water front facilities. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body.

IV. Noise monitoring and prevention:

(i) Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.

(ii) Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.

(iii) Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.

(iv) The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V. Energy Conservation measures:

(i) Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;

(ii) Provide LED lights in offices and project areas.

VI. Waste management:

(i) Dredged material shall be disposed safely in the designated areas.

(ii) Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring reports.

(iii) Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.

(iv) The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.

(v) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.

(vi) A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

(vii) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

(viii) Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be covered.

VII. Green Belt:

(i) Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.

(ii) Top soil shall be separately stored and used in the development of green belt.

VIII. Marine Ecology:

(i) Dredging shall not be carried out during the fish breeding and spawning seasons.

(ii) Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.

(iii) The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.

(iv) While carrying out dredging, an independent monitoring shall be carried out through a Government Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.

(v) A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography.

(vi) Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components including all micro, macro and mega floral and faunal components of marine biodiversity.

(vii) The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.

IX. Public hearing and human health issues:

(i) The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.

(ii) Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.

(iii) In case of repair of any old vessels, excessive care shall be taken while handling Asbestos & Freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos materials at site before disposal to CTSDF.

(iv) Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents.

(v) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

(vi) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

(vii) Occupational health surveillance of the workers shall be done on a regular basis.

X. Environment Responsibility:

(i) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.

(ii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.

(iii) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

(iv) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

XI. Miscellaneous:

(i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

(ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

(iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.

(iv) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

(v) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

(vi) The criteria pollutant levels namely; $PM_{2.5}$, PM_{10}, SO_2, NOx (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

(vii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

(viii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

(ix) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

(x) No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

(xi) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

(xii) The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

(xiii) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

(xiv) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

(xv) The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

(xvi) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

22. This issues with the approval of the Competent Authority.

(Amardeep Raju)
Scientist-E

Copy to:

1. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of Andhra Pradesh, Hyderabad, A.P.
2. The Member Secretary, AP Pollution Control Board, Chalamalavaii Street, Kasturibaipet, Vijayawada - 520 010.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Additional Principal Chief Conservator of Forests (C), Aranya Bhavan, K.M. Munshi Road, Nagarampalem, Guntur-522 004, Andhra Pradesh.
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhavan, New Delhi.
6. Guard File/Record File
7. Notice Board.

(Amardeep Raju)
Scientist-E

Signature Not Verified
Digitally signed by Amardeep Raju
Scientist E
Date: 12/24/2021 11:45:17 AM

ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No.33-26-14D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamavari Street, Kasturibaipet, Vijayawada – 520 008
Phone. No.0866-2436200, Website : www.pcb.ap.gov.in

CONSENT ORDER FOR ESTABLISHMENT

Order No: APPCB/ VSP/ VSP/ 113/ CFE/ HO/ 2012
16/08/2022

Sub: **APPCB – CFE** - **M/s. Gangavaram Port Limited, Gangavaram (V), Pedagantyada (M), Visakhapatnam District –** Consent for Establishment (Expansion) of the Board under Sec.25 of Water (P & C of P) Act, 1974 and Under Sec.21 of Air (P & C of P) Act, 1981 - Issued - Reg.

Ref:
1. CFO order No.APPCB/VSP/VSP/113/CFO/HO/2020 dt.10.09.2020.
2. EC order dt.24.12.2021 issued by MoEF & CC, GoI for expansion project.
3. Port facility's CFE(Exp) application received through APOCMMS on 13.06.2022.
4. R.O's inspection report dt.16.06.2022.
5. CFE Committee meeting held on 28.06.2022.
6. T.O. lr. dt.12.07.2022.
7. Port facility's lr.dt.14.07.2022.
8. CFE Committee meeting held on 26.07.2022.
9. T.O. lr. dt.04.08.2022.
10. RO: VSP mail dt.08.08.2022 reg receipt of balance fee.

1. M/s. Gangavaram Port Limited, vide reference 2nd cited, submitted an application to the Board seeking Consent for Establishment (CFE) for expansion project as mentioned below, with an additional investment of Rs.5055.00 Crores.

Proposed Expansion:

S. No.	Name of the cargo	Existing qty as per CFO Order dt.13.01.2016 (MMTPA)	Qty as per EC Clearance dt.24.12.2021 and as per CFE Expansion (MMTPA)	Total qty after CFE expansion (MMTPA)
1	Containers	0.25	7.75	8.00
2	Multi Cargo: Agri products, (Food grains in bags or bulk, Chickpeas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Lime Stone, Bauxite, Steel Products (Steel Beams, Coils, Billets, Angles,	6.20	6.50	12.70

	Channels, Project Cargo), Bulk Alumina & Other cargos.			
3	Coal	25.00	3.25	28.25
4	Iron ore	3.00	2.50	5.50
5	Fertilizer	2.50	0	2.50
6	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminum Ingots, Aluminum Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles, CP Coke Bauxite, gypsum, clinker, scrap)	3.50	0	3.50
7	Liquid cargo (edible oil, caustic lye)	0.50	0	0.50
	Total	**40.95**	**20**	**60.95**

2. As per the application, the above expansion activity is to be located in the existing premises of the Port located at **Gangavaram (V), Pedagantyada (M), Visakhapatnam District.**

3. The above site was inspected by Environmental Engineer, Regional Office, Visakhapatnam, A.P Pollution Control Board on 15.06.2022 and found that the port site is surrounded by

North : Gangavaram (V)
South : RINL (Steel Plant)
East : Bay of Bengal
West : Pedagantyada (V)

4. The Board, after careful scrutiny of the application, verification report of Regional Officer and recommendation of the CFE Committee, hereby issues **CONSENT FOR ESTABLISHMENT for EXPANSION** under Section 25 of Water (Prevention & Control of Pollution) Act 1974 and Section 21 of Air (Prevention & Control of Pollution) Act, 1981 and the rules made there under. **This order is issued to the activity as mentioned at para (1) only.**

5. This Consent Order now issued is subject to the conditions mentioned in Annexure.

6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

7. **This order is valid for a period of 7 years from the date of issue.**

Encl: Annexure.

VIJAY KUMAR GSRKR
IAS, MEMBER SECY(GSRKRVK), O/o
MEMBER SECRETARY-APPCB

To
M/s. Gangavaram Port Ltd., (exp)
Gangavaram (V), Pedagantyada (M)
Visakhapatnam Dist.

Copy to: 1. The JCEE, Z.O: Visakhapatnam for information and necessary action.
2. The E.E., R.O: Visakhapatnam for information and necessary action.

ANNEXURE

1. The Port facility shall obtain Consents for Operation (CFO) from APPCB, as required Under Sec.25/26 of the Water (P&C of P) Act, 1974 and under sec. 21/22 of the Air (P&C of P) Act, 1981, before commencement of the expansion activity.

2. Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.

3. The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.

Water:

4. The source of water supply is from GVMC and the maximum permitted water consumption after proposed expansion activity is as following:

S. No	Purpose	Qty as per CFO Order dt.13.01.2016 (KLD)	Qty as per EC Order dt.24.12.2021 & proposed CFE Expansion (KLD)	Total quantity after expansion (KLD)
1.	Gardening	25.00	360.00	1754.10
2.	Dust suppression	1296.00		
3.	Ship supply	32.50		
4.	Miscellaneous	40.60		
5.	Domestic	40.00	18.00	58.00
	Total	**1434.10**	**378.00**	**1812.10**

Separate meters with necessary pipe-line shall be provided for assessing the quantity of water used for each of the purposes viz., Dust suppression, Domestic , Miscellaneous, Development of greenbelt.

5. The maximum waste water generation (KLD) shall not exceed the following**:**

S. No	Source	Qty as per CFO Order dt.13.01.2016 (KLD)	Qty as per EC Order dt:24.12.2021 & as per CFE Expansion (KLD)	Total qty after expansion (KLD)
1.	Domestic waste after treatment in STP	32.00	14.40	46.40
	Total	**32.00**	**14.40**	**46.40**

Treatment & Disposal:

S. No.	Effluent Description	Treatment	Disposal
1	Domestic effluent	STPs of capacity – 50 KLD (Existing STP – 35 KLD Proposed STP – 15 KLD)	The treated water shall be utilised for green belt development in own premises.

6. The effluent / sewage shall be treated to the on land for irrigation standards, as stipulated under Schedule VI of Environment (Protection) Rules, 1986, notified by Ministry of Environment and Forests, Government of India vide G.S.R.422 (E), dt.19.05.1993 and its amendments thereof. The treated waste water shall be used for development of greenery, dust suppression, re-used for various purposes within the premises.

Air:

Existing:

S. No.	Details of Stack	Stack -1 & 2
a.	Attached to:	DG Sets
b.	Capacity	3 X 320 KVA & 1 X 62.5 KVA
c.	Stack height above ground	4m & 6m
d.	Air Pollution Control Equipment:	Acoustic Enclosure

Additional DG Sets not proposed in the expansion project.

7. The port facility shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.

8. The port facility shall comply with the following for controlling fugitive emissions
   - Vehicle movement shall be minimized / eliminated by implementing mechanical operation.
   - All the vehicles involved in transportation of cargo shall be covered with tarpaulin.
   - Vehicles shall be managed to avoid traffic congestion and shall provide empty dusting vehicle washings / dry cleaning system to clean all out going cargo vehicles.
   - Based on traffic density/ vehicular movements anticipated from the

port, parking facilities shall be provided.

10. All the transfer points, loading / unloading points and conveyer systems shall be housed completely with leak proof arrangements. Adequate dust suppression and containment measures shall be implemented for effective control of fugitive emissions.

11. **Hazardous / Solid Waste details:**

The Port Authority shall comply with the following w.r.t disposal of solid waste:

S. No.	Name of the solid waste	Qty as per CFO Order dt. 13.01.2016	Qty proposed for Expansion	Total qty after CFE expansion	Method of Disposal
1.	Waste Oils & Grease	12,000 LPA	---	12,000 LPA	Shall be disposed to authorized Re-processors / Recyclers / to the Cement industries to use as alternate fuel in the kiln routed through M/s APEMCL
2.	Domestic solid waste	10 TPM	3.60 TPM	13.60 TPM	Shall be collected segregated and disposed as per MSW Rules in consultation with GVMC Authorities.
3.	Discarded material, plastic material	10 TPM	0.25 TPM	10.25 TPM	Shall be disposed to authorized recyclers only
4.	Sludge from STP	1.0 TPM	0.165 TPM	1.165 TPM	Shall be composted and used for green belt development
5.	Lead acid batteries	---	---	---	Shall be disposed to authorized recyclers routed through M/s APEMCL

Other Conditions:

12. The Gangavaram port facility shall comply with the conditions stipulated in the EC order dt.24.12.2021 issued by the MoEF, CC & GoI.

13. The Gangavaram port facility shall provide the 4th Continuous Ambient Air quality (CAAQM)station with Beta Ray Attenuation technology as per the EC order condition and as committed in the CFE Committee meeting.

14. The Gangavaram port facility shall get a study carried out by Andhra University or any other reputed institute clearly establishing the Ambient Air Quality Levels with existing system and projected levels if tube conveyor system is not provided considering the proposed expansion activities within 6 months.

15. The Gangavaram port shall Conduct Health camps jointly with medical and health departments Govt. AP in the nearby villages.

16. Fire detection and fire fighting facilities with adequate water storage facility shall be provided in fire prone area in consultation with competent authorities.

17. Onsite & offsite Disaster Management plan shall be prepared to meet any eventuality in case of any accident. Mock drills shall be conducted atleast twice a year and modifications required if any shall be incorporated in Disaster Management Plan and shall submit to Board

18. The following rules and regulations notified by the MOE&F, GOI shall be implemented.

a. Regulation of Persistent Organic Pollutants Rules, 2018.
b. Hazardous waste and other wastes (Management and Transboundary Movement) Rules, 2016.
c. Plastic Waste Management Rules, 2016.
d. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
e. Fly Ash Notification, 2016.
f. Batteries (Management & Handling) Rules, 2010.
g. E-Waste (Management) Rules, 2016.
h. Construction and Demolition waste Management Rules, 2016.
i. Solid Waste Management Rules, 2016.
j. The Public Liability Insurance Act, 1991 and its amendments thereof.

19. The Port facility shall obtain prior permission from MoEF&CC, GoI and APPCB for any changes in the cargo type / capacity.

20. DO levels in the sea water at the dredging area shall be monitored at regular interval and the dredging time shall be suitably regulated to prevent depletion of DO levels in the sea water.

21. Concealing the factual data or submission of false information/ fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.

22. Notwithstanding anything contained in this conditional letter or consent, the Board hereby reserves its right and power Under Sec. 27(2) of Water (Prevention and Control of Pollution) Act, 1974 and Under Sec.21(4) of Air (Prevention and Control of Pollution) Act, 1981 to revoke the order, to review any or all the conditions imposed herein and to make such modifications as deemed fit and stipulate any additional conditions.

23. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules,1982, to such authority (hereinafter referred to as the Appellate Authority) constituted under Section 28 of Water (Prevention and Control of Pollution)Act,1974 and Section 31 of the Air (Prevention and Control of Pollution) Act, 1981.

VIJAY KUMAR GSRKR IAS,
MEMBER SECY(GSRKRVK), O/o MEMBER SECRETARY-APPCB

To
M/s. Gangavaram Port Ltd., (exp)
Gangavaram (V), Pedagantyada (M)
Visakhapatnam Dist.

Signed by Vijay Kumar
Gsrkr Ias
Date: 16-08-2022 12:15:09
Reason: Approved

ANDHRA PRADESH POLLUTION CONTROL BOARD
Dr. YSR Paryavaran Bhavan, APIIC Colony Road,
Gurunanak Colony, Autonagar, Vijayawada- 520007
Phone. No.0866-2463200, Website: https://pcb.ap.gov.in/

CONSENT TO OPERATE & HAZARDOUS WASTE AUTHORISATION ORDER

Consent Order No:APPCB/VSP/113/CTO/HO/2009 Dt. 22/08/2024

CONSENT is hereby granted to Operate under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and authorisation under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary, Movement) Rules, 2008 & Amendments thereof and the rules and orders made there under (hereinafter referred to as 'the Acts', `the Rules') to:

M/s. Adani Gangavaram Port Limited, (After Expansion)
(Formerly: Gangavaram Port Limited)
Gangavaram (V), Pedagantyada (M),
Visakhapatnam District
E-mail: jyothi.dantuluri@adani.com,

(Hereinafter referred to as 'the Applicant') authorising to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i. **Outlets for discharge of effluents:**

Outlet No.	Outlet Description	Max Daily Discharge KLD	Point of Disposal
1.	Domestic wastewater	46.40	After treatment in STP, the treated wastewater shall be used for onland irrigation within port premises.

ii. **Emissions from chimneys:**

S. No	Description of Chimney	Quantity of Emissions in $Nm^3/hr.$ at peak flow
1 to 10	Attached to 3 X 320 KVA, 3 X 1250 KVA 1 X 800 KVA, 2 X 380 KVA, 1 X 200 KVA DG Sets	--

iii. **Hazardous Waste Authorisation (Form – II) [See Rule 6 (2)]:**

M/s. Adani Gangavaram Port Limited, (Formerly Gangavaram Port Limited) Gangavaram (V), Pedagantyada (M), Visakhapatnam District is hereby granted an authorisation to operate a facility for generation, collection, reception, storage, treatment, transport and disposal of Hazardous Wastes namely:

- **Hazardous waste with recycling option:**

S.No	Name of the Hazardous waste	Stream	Quantity	Method of disposal
1.	Waste Oil / Used Oil	5.1 of Schedule-I	25 MTPA	Shall be sent to authorised Re-processors / Recyclers / to the cement industries to use as alternate fuel in the kiln through M/s. APEMCL.
2.	Waste Oil / Used oil sludge generated in ships	5.1 of Schedule-I	1200 MTPA	Shall be routed through M/s. APEMCL to authorised recyclers/ re-processors directly from the ship.
3.	Used Lead acid Batteries	17 of Schedule – IV	--	Shall be returned to dealers on buy back policy/ authorized recyclers as per Battery Management Rules,2022

The CTO & HWA Order No. APPCB/VSP/VSP/113/CFO/HO/2009, dated 22/08/2023 valid up to 31.12.2025 stands cancelled from the date of issue of this order.

This consent order is valid for various port activities with installed capacities as mentioned below:

S. No.	Name of the Cargo	Quantity (After Expansion of Phase – I in Million MTPA
1	Containers	5.00
2	Multi Cargo: Agri products, (Food grains in bags or bulk, Chickpeas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Limestone, Bauxite, Steel Products (Steel Beams, Coils, Billets, Angles, Channels, Project Cargo), Bulk Alumina & Other cargos.	8.00
3	Coal	26.0
4	Iron ore	5.50
5	Fertilizer	2.50
6	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminum Ingots, Aluminum Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles,	3.50

	CP Coke Bauxite, gypsum, clinker, scrap)	
7	Liquid cargo (edible oil, caustic lye)	0.50
	Total	**51.00**
8	Screened Iron Ore Fines	1.0 Lakh TPM
9	Crushed Iron Ore	1.0 Lakh TPM.

This order is subject to the provisions of `the Acts' and the Rules' and orders made there under and further subject to the terms and conditions incorporated in the schedule A, B & C enclosed to this order.

This combined order of consent to operate & Hazardous Waste Authorisation shall be valid for a period ending with the **31st day of July, 2029.**

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

To
M/s. Adani Gangavaram Port Limited,
(Formerly Gangavaram Port Limited)
Gangavaram (V), Pedagantyada (M),
Visakhapatnam District
E-mail: jyothi.dantuluri@adani.com,

Copy to:

1. The JCEE, Zonal Office, Visakhapatnam for information and necessary action.
2. The EE, Regional Office, Visakhapatnam for information and necessary action.

SCHEDULE-A

1. Any up-set condition in any industrial plant / activity of the facility, which result in, increased effluent / emission discharge and/ or violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The facility should carryout analysis of wastewater discharges or emissions through chimneys for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
4. The facility shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.
5. The applicant shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E(P) Rules, 1986 & amendments thereof.
6. The applicant should make applications through Online for renewal of Consent (under

Water and Air Acts) and Authorisation under HWM Rules **at least 120 days before the date of expiry of this order**, along with prescribed fee under Water and Air Acts and detailed compliance of CTO conditions for obtaining Consent & HW Authorisation of the Board.

7. The facility should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorised should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
9. The facility shall be liable to pay Environmental Compensation / Other Environmental Taxes, if any environmental damage caused to the surroundings, as fixed by the Collector & District Magistrate or any other competent authority as per the Rules in vogue.
10. The facility may explore the possibility of tapping the solar energy for their energy requirements.
11. The facility should educate the workers and nearby public of possible accidents and remedial measures.

SCHEDULE-B

The issue of CTO&HWA (Expansion) to the facility **was placed in the Consent Management Committee meeting held on 08.08.2024. The** facility **shall comply with the following conditions:**

1. The facility shall install the digital display board at Port premises.
2. The facility shall ensure the energy conservation measures by solar power generation.
3. The facility shall comply with the Task Force directions dated 27.04.2023, and conditions stipulated in CTO order dated 22.08.2023 and the control measures proposed by the facility as committed vide letter dated 05.08.2024. The details are as follows:

S.No	Project Details	Project Term	Target Date
1.	Replacement of the existing 3 No. of CAAQM Stations with Beta Ray Attenuation Technology	Short Term	November, 2024
2.	Separate / individual digital water meters to be provided at Critical locations	Short Term	November, 2024
3.	Replacement of existing Analog meters with Digital Water Flow Meters for 2 STP Outlet and New tyre washing outlet purpose.	Short Term	November, 2024
4.	Replacement of existing Analog meters with IOT and digital flow meters.	Short Term	November, 2024
5.	DG set retrofitting as per the CPCB / SPCB directions to the	Short	November,

	existing DG sets	Term	2024
6.	Pre & Post dredging marine ecological study to be taken-up separately.	Short Term	January 2025.
7.	Extension of the wind break wall provided towards Gangavaram (V) for another 350 meters.	Medium	March-2025.
8.	In addition to the closed shed for storage of waste oils & other solid wastes, additional storage shed for storage of Non-Hazardous and Hazardous waste to cater the storage needs for 3 months storage	Long term	12 Months
9.	Under Mechanization & Modernization – to upgrade the Stack yards with MDSS System in addition to the existing 176 no. of PLC based MDSS System	Long term	18 Months
10.	Further strengthening the existing drainage system along with collection pits.	Long term	18 Months
11.	To control the fugitive emissions, supporting with rows of greenbelt, propose to provide windshields around the individual operational areas	Long term	12 Months
12.	All the existing Phase – I & II stack yards intermediate peripheral retaining wall for each stack pile in the yards for further protection of stock piles.	Long term	18 Months

Water Pollution:

4. The source of water is Visakhapatnam Industrial Water Supply Co. The following is the permitted water consumption:

S.No.	Purpose	Quantity (KLD)
1.	Gardening	92
2.	Dust Suppression, Truck tyre washing etc.	1373
3.	Ship supply	50
4.	Miscellaneous	10
5.	Domestic	75
	Total	**1600 KLD**

Separate meters shall be maintained for assessing the quantity of water used for each of the purposes mentioned above purpose.

5. The effluent discharged shall not contain constituents in excess of the tolerance limits mentioned below:

Outlet	Parameter	Limiting Standards (mg/l except for pH
1	pH	6.50 – 8.50
	Oil and Grease	10
	Biochemical Oxygen Demand	`30
	Total Suspended Solids	<100
	Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml	<1000 MPN/100 ml

6. The facility shall maintain Electro Magnetic flow meters with totalizers for water consumption, effluent generation mentioned in the Order.
7. The facility shall provide & maintain separate energy maters for Sewage Treatment Plant (STP) and for Air pollution Control equipment to record energy consumption.
8. The effluent / sewage shall be treated to the on land for irrigation standards, as stipulated under schedule VI Environment (Protection) Rules, 1986, notified by Ministry Of Environment And Forests, Government Of India vide G.S.R.422 (e), dt.19.05.1993 and its amendments thereof. The treated wastewater shall be used for development of greenery, dust suppression, re-used for various purposes within the premises.
9. DO levels in the sea water at the dredging area shall be monitored at regular interval and the dredging time shall be suitably regulated to prevent depletion of DO levels in the sea

Air Pollution:

10. The facility shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.
11. The facility shall comply with ambient air quality standards of PM_{10} (Particulate Matter size less than 10mm) - 100 mg/ m3; $PM_{2.5}$ (Particulate Matter size less than 2.5 mm) - 60 mg/ m3; SO_2- 80 mg/ m3; NOx - 80 mg/m3, outside the factory premises at the periphery of the facility.

    Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.B-29016/20/90/PCI-I, dated 18.11.2009.

    Noise Levels: Day time (6 AM to 10 PM) - 75 dB (A)

    Night time (10 PM to 6 AM) - 70 dB (A)

12. The facility shall comply with emission limits for DG sets of capacity upto 800 KW as per the Notification G.S.R. 804(E), dated 03.11.2022, under the Environment (Protection) Act Rules. In case of DG sets of capacity more than 800 KW shall comply with emission limits as per the Notification G.S.R.489 (E), dated 09.07.2002 at serial no.96, under the Environment (Protection) Act, 1986.
13. The facility shall comply with the noise limits for DG sets (upto 1000 KVA) as per G.S.R.520 (E), dated 01.07.2003 and G.S.R.448(E), dated 12.07.2004 under the Environment (Protection) Act Rules.
14. The facility shall maintain 4 CAAQMs with online connectivity to APPCB and maintain records.
15. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the project area at least at four locations, covering upwind and downwind directions.
16. The facility shall not stack the materials more than 12 meters height where MDSS system is available and shall maintain stack height of 10 meters at manual stack yards.
17. The facility shall maintain wind breaking wall all along the Gangavaram village side up to a height 10 mts as wind speed is high in this area.

18. The facility shall not establish any other stock yards other than designated stock yards.
19. The facility shall maintain Telescopic chute at ship loading points
20. The facility shall maintain dusty cargo operations if the wind velocity crosses 20 KMPH and all MDSS sprinklers shall start immediately to maintain AAQ standards.
21. The facility shall maintain fully mechanized handling equipment for loading and unloading operations for dusty cargo to the maximum extent possible.
22. The facility shall handle alumina in completely closed enclosures.
23. The facility shall maintain comply with the following for controlling fugitive emissions

i. Vehicle movement shall be minimized / eliminated by implementing mechanical operation.
ii. All the vehicles involved in transportation of cargo shall be covered with tarpaulin.
iii. Vehicles shall be managed to avoid traffic congestion and shall provide empty dusting vehicle washings / dry cleaning system to clean all out going cargo vehicles.
iv. Based on traffic density/ vehicular movements anticipated from the port, parking facilities shall be provided.

25. All the transfer points, loading / unloading points and conveyer systems shall be housed completely with leak proof arrangements. Adequate dust suppression and containment measures shall be implemented for effective control of fugitive emissions.
26. The facility shall maintain the following:

a. The facility shall provide cladding / cover to the screen, conveyors and crusher.
b. Sprinklers shall be provided to suck emissions at transfer points of conveyors.
c. The facility shall maintain ambient air quality within the Board standards.
d. The facility shall co-ordinate with traffic police and GVMC for regular cleaning of roads upto National Highway to suppress the dust emissions.

General:

27. The facility shall not handle any un-consented cargo and not exceed the quantities mentioned in this order, without CTE & CTO order of the Board.
28. The facility shall not dispose any non-hazardous waste outside the facility premises. The facility shall dispose other non-hazardous wastes as per the disposal option specified below:

S.No	Name of the solid waste	Quantity	Method of Disposal
1.	Domestic solid waste	13.60 TPM	Shall be collected segregated and disposed as per MSW Rules in consultation with GVMC authorities
2.	Discarded material, plastic material	10.25 TPM	Shall be disposed to authorised recyclers only
3.	Sludge from STP	1.165 TPM	Shall be composted and used in green belt program

29. The facility shall maintain the following records and the same shall be made available to the inspecting officers of the Board:

a. Cargo handling details.
b. Quantity of Effluents generated, treated, recycled/reused and disposed to CETP.
c. Log Books for pollution control systems.

d. Characteristics of effluents and emissions.
e. Hazardous/non-hazardous solid waste generated and disposed.
f. Inspection book.
g. Manifest copies of effluents / hazardous waste.

30. The following rules and regulations (as amended and upgraded from time to time) notified by the MoEF&CC, GoI shall be implemented.

a. Regulation of Persistent Organic Pollutants Rules, 2018.
b. Hazardous waste and other wastes (Management and Transboundary Movement) Rules,2016.
c. Plastic Waste Management Rules, 2022.
d. Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989
e. Fly Ash Notification, 2016.
f. Battery Waste Management Rules, 2022.
g. E-Waste (Management) Rules, 2022.
h. Construction and Demolition waste Management Rules, 2016.
i. Solid Waste Management Rules, 2016.
j. The Public Liability Insurance Act, 1991 and its amendments thereof.
k. Bio Medical Waste Management Rules, 2016.

31. Spillage of fuel / engine oil and lubricants from the site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.
32. Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.
33. The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
34. The facility shall obtain prior permission from MoEF&CC, GoI and APPCB for any changes in the cargo type / capacity.
35. The facility shall comply with the conditions stipulated in the EC order dt.24.12.2021 issued by the MoEF, CC & GoI & CTE orders dated 02.03.2012 & 16.08.2022 and CTO orders dated 13.01.2016, 22.08.2023 issued by APPCB.
36. The facility shall maintain green belt as stipulated in the EC order.
37. The facility shall maintain valid PLI policy which includes Environmental Relief Fund (ERF) and submit copy to RO, Visakhapatnam on yearly base.
38. The facility shall maintain digital display boards at publicly visible places at the main gate indicating the products manufactured Vs permitted quantities, treated effluent concentrations Vs discharge standards, Stack emission & AAQ concentrations Vs standards, hazardous waste generation, disposed, stock Vs permitted quantities and validity of CTO; and exhibit the CTO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order.
39. The facility shall strictly comply with the directions of the Hon'ble NGT issued, if any, in O.A. No .571/2022.
40. The conditions are stipulated without prejudice to the rights and contentions of this Board in any Hon'ble Court of Law.

Special conditions:

41. Fire detection and fire fighting facilities with adequate water storage facility shall be

provided in fire prone area in consultation with competent authorities.

42. Onsite & offsite Disaster Management plan shall be prepared to meet any eventuality in case of any accident. Mock drills shall be conducted atleast twice a year and modifications required if any shall be incorporated in Disaster Management Plan and shall submit to Board.
43. The facility shall prepare a safety report and carry out an independent safety audit report of the respective industrial activities including chemical storages / isolated storages by an expert not associated with such industrial activity as required under Rule 10 of MSIHC Rules, 1989 and get it approved by the Factories Dept., and submit the compliance along with copy of the safety report, safety audit report and safety certificate at concerned Regional Office, APPCB.
44. The facility shall extend training to the working personnel for the prevention of accidents and necessary antidotes to ensure safety, as per the MSIHC Rules, 1989.
45. The facility shall carryout calibration of safety equipment and leak detection systems at regular intervals and shall certify the same with the Factories Department. That certified copy shall be submitted to the APPCB, Regional Office.
46. The facility shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the facility premises and outside the facility premises and emergency response system.
47. The facility shall submit the copy of the safety audit report and On-Site / Off Site Emergency Plans as applicable after being certified by the Factories Department to the APPCB, Regional Office from time to time, if the storage quantity of hazardous chemicals is equal to or, in excess of the threshold quantities specified in schedule 2 & 3 of MSIHC Rules, 1989.

SCHEDULE – C

[See rule 6(2)]

[CONDITIONS OF AUTHORISATION FOR OCCUPIER OR OPERATOR HANDLING HAZARDOUS WASTES]

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the Hazardous and other wastes except what is permitted through this authorisation.
4. Any un authorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time.
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on “Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty”.
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. An application for the renewal of an authorisation shall be made as laid down under these Rules.

9. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
10. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
11. The authorised person shall not store hazardous waste for more than 90 days as per the Hazardous & Other Wastes (Management and Transboundary Movement) Rules, 2016.
12. The authorised person shall store Used /Waste Oil and Used Lead Acid Batteries in a secured way in their premises till its disposal to the manufacturers / dealers on buy back basis.
13. The authorised person shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concerned Regional Office of APPCB. The driver who transports Hazardous Waste should be well acquainted about the procedure to be followed in case of an emergency during transit. The transporter should carry a Transport Emergency (TREM) Card.
14. The authorised person shall maintain proper records for Hazardous & other wastes stated in Authorisation in Form-3 i.e., quantity of Incinerable waste, land disposal waste, recyclable waste etc., and file annual returns in Form- 4 as per Rule 6 (5) of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof by June 30th for the period ensuring 31st March of the year.
15. The authorised person shall submit the condition wise compliance report of the conditions stipulated in Schedule A, B &C of this Order on half yearly basis to Board office and concerned Regional office.
16. The industry shall route all the hazardous waste through M/s. APEMC.

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

To
M/s. Adani Gangavaram Port Limited,
(Formerly Gangavaram Port Limited)
Gangavaram (V), Pedagantyada (M),
Visakhapatnam District
E-mail: jyothi.dantuluri@adani.com,

Digitally Signed by B Sreedhar Ias
Date: 22-08-2024 11:43:53
Reason: Approved

ANNEXURE-4

Water Consumption details

Details of Fresh (VIWSCO) Water for the period from April 2025 to September 2025 are as below:

Month & Year	Source - Fresh water (VIWSCO)			
	Agreement Quantity KL		Actual Withdrawal Quantity KL	
	Per Month	Per Day	Per Month	Per Day (Average)
April – 2025	48000	1600	38967	1299
May – 2025	49600		25885	835
June – 2025	48000		29080	969
July - 2025	49600		29703	958
August - 2025	49600		29787	961
September - 2025	48000		28918	964
Total	**292800**		**182340**	**998**

As per the consent, the following quantities are permitted for different applications:

Sl. No.	Purpose	CFO Quantity KLD
1	Gardening	92.00
2	Dust Suppression, Truck tyre washing etc.	1373.00
3	Ship supply	50.00
4	Miscellaneous	10.00
5	Domestic	75.00
	Total	**1600.00**
	Industrial	1525.00
	Domestic	75.00

Water Consumption bifurcation

Application wise utilization of water against the consented quantities for the last six months (from April 2024 to September 2024) as below:

Month	Gardening	Dust Suppression, Truck tyre washing etc.	Ship supply	Miscellaneous	Domestic	Total
CTO Quantity	**92**	**1373**	**50**	**10**	**75**	**1600**
April	85.60	834.50	2.04	5.20	72.5	999.8
May	25.94	971.45	1.97	5.01	74.8	1079
June	25.20	1229.31	4.08	5.82	72.1	1337
July	29.16	1031.44	16.45	5.75	71.15	1154
August	34.97	1124.80	17.00	5.77	68.39	1251
September	20.00	823.78	15.30	5.78	65.6	930.5
Total	**220.86**	**6015.28**	**56.85**	**33.32**	**424.5**	6751.00
Average (6 Months)	**36.81**	**1002.55**	**9.47**	**5.55**	**70.75**	**1125.00**

The daily average water consumption for the period from April 2025 to September 2025 was 1125. KLD for industrial purpose & 70.75 KLD for domestic utilization.

ANNEXURE-5

Ambient Air Quality Monitoring:

AGPL operating 4 No. of – Beta Ray Attenuation Technology CAAQM stations to measure the parameters PM 10, PM 2.5, SO^2, NO, NO^2, CO at the following locations as approved by APPCB vide letter No.1124/PCB/RO-VSP/2019 – 6299, dated 02.03.2019 within the Port premises and the data is being uploaded to APPCB website and the CAAQMs are being calibrated periodically.

i. Administrative office towards H.B. Colony (Station 1):
ii. Project site office building towards Venkannapalem (Station2)
iii. Watch tower – 4 towards Gangavaram village (Station3).
iv. Silo -Up wind direction towards RINL (Station 4)

ANDHRA PRADESH POLLUTION CONTROL BOARD
REGIONAL OFFICE, VISAKHAPATNAM

Lr. No. 1124/PCB/RO-VSP/2019 - 6299 Date: 02/03/2019

To
M/s. Gangavaram Port Limited,
Visakhapatnam Dist.

Sir,

Sub:- Installation of Ambient Air Quality Stations- Location of the Stations - Permission - information - Reg.

Ref:- Your Mail Reg. Locations of installation of AAQ stations dated 21.02.2019.

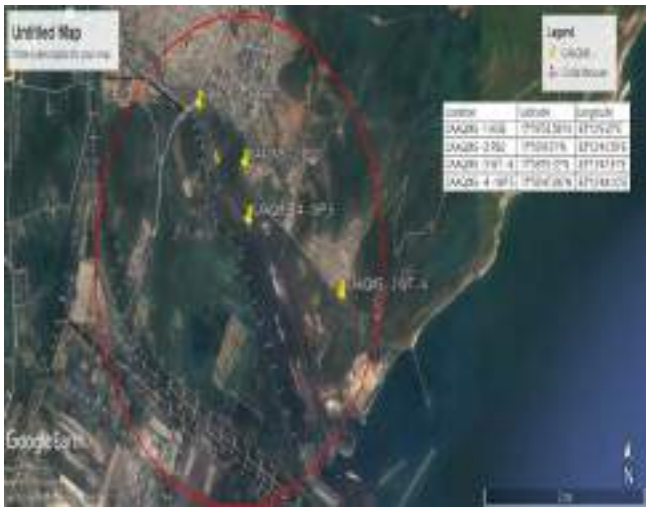
With reference to the mail for the relocation of the AAQ stations, the following locations is here permitted.

1. First Location : AQS Stations as it continued, No Change
2. Second Location : 17°39' 09.22" N 83° 12' 42.02" E
3. Third Location : 17°38' 28.12" N 83° 13' 27.03" E

M/s. Gangavaram Port Limited shall comply with the CPCB guidelines for the installation ambient air Quality stations.

Yours faithfully,
Ram Lakshmi Narayana
ENVIRONMENTAL ENGINEER

CAAQM Locations Permission copy



4 Nos CAAQM Stations

Station -1	**Administrative Office Building (AOB) towards H.B. Colony**		
		Model No.	5028i
		Make	Thermofisher
		Type	Beta Ray Attenuation
		Installed on	20.03.2025
		Calibrated on	18.08.2025
		Valid up to	17.02.2026
		Server	NK Square
Station -2	**Project site office building towards Venkannapalem (V)**		
		Model No.	BAM 1020
		Make	ACOEM
		Type	Beta Ray Attenuation
		Installed on	28.06.2024
		Calibrated on	28.07.2025
		Valid up to	27.01.2026
		Server	G-Lens
Station -3	**Watch tower – 4 towards Gangavaram (V)**		
		Model No.	5028i
		Make	Thermofisher
		Type	Beta Ray Attenuation
		Installed on	20.03.2025
		Calibrated on	18.08.2025
		Valid up to	17.02.2026
		Server	NK Square
Station -4	**Silo -Up wind direction towards RINL (Station 4)**		
		Model No.	5028i
		Make	Thermofisher
		Type	Beta Ray Attenuation
		Installed on	20.03.2025
		Calibrated on	18.08.2025
		Valid up to	17.02.2026
		Server	NK Square

AGPL-CAAQM Stations Calibration Certificates:

SWAN ENVIRONMENTAL PVT. LTD.,

CALIBRATION CERTIFICATE

AGPL-AAQMS

ThermoFisher SCIENTIFIC

AAQMS Analyzers Calibration Report

ThermoFisher SCIENTIFIC

AAQMS Analyzers Calibration Report

ThermoFisher SCIENTIFIC

AAQMS Analyzers Calibration Report

(Annexure-6)

Mechanized Operations

Mechanized Terminals: Majority of Port operations (80%) are carried out through mechanized terminals and through sophisticated cargo handling equipment to avoid cargo spillage and dust emissions during the cargo handling activities.

Container handling equipment

Ship Loader & unloaders

Mechanized Loader & unloaders

1. **Mechanized Cargo Operations:** Sophisticated equipment are established for cargo handling operations of bulk cargo to minimize cargo spillage during operations and the equipment includes Ship Loader for bulk exports, Ship Un-loaders for bulk imports, Mobile Harbour Cranes for handling bulk/break bulk cargo, associated hooded conveyer system for transportation to and from stack yard, Stackers & Re-claimers for stack yard operations and silos , Wagon loader & Wagon tipplers for handling Railway rakes.

HMC Equipment

2. **Hooded Conveyor System for internal cargo transport:** More than 80% of the cargo transport from berth to stack yards and vice versa is handled through closed conveyor to prevent cargo emissions into the air.

Hooded conveyor belts

Cladding to conveyor belt **Closed cargo shed**

3. **Mechanized Outbound Transport:** More than 90% outbound cargo from the stack yards is being transported through closed conveyors and railway rakes to avoid possible

cargo spillage and dust emission. A dedicated conveyor is provided to transport coal directly to Vizag Steel Plant stack yard.

Silo

Staker

Staker cum Reclaimer

Mechanized Transfer towers

Mechanized Staker supported by water sprinkling arrangement

Wagon Tippler House

2.8 Cargo handled

AGPL is presently operating with 9 berths with a consented capacity of 51.0 MMTPA and an Iron Ore Screening & Crushing unit. The consented quantities are as below:

S. No.	Name of the cargo	Existing permitted Commodities
1	Containers	5.00 MMTPA
2	Multi Cargo: Agri products, (Food grains in bags or bulk, Chickpeas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Limestone, Bauxite, Steel Products (Steel Beams, Coils, Billets, Angles, Channels, Project Cargo), Bulk Alumina & Other cargos.	8.00 MMTPA
3	Coal	26.00 MMTPA
4	Iron ore **	5.50 MMTPA
5	Fertilizer	2.50 MMTPA
6	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminum Ingots, Aluminum Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles, CP Coke Bauxite, gypsum, clinker, scrap)	3.50 MMTPA
7	Liquid cargo (edible oil, caustic lye) *	0.50 MMTPA
	Total Cargo handling	**51.0 MMTPA**
a.	Screened Iron Ore Fines **	1.0 Lakh TPM
b.	Crushed Iron Ore **	1.0 Lakh TPM

* AGPL has not yet started handling liquid cargo

With the Port demonstrating successful operations in terms of volume and diversity of cargoes with many new prospective users and new cargoes in the hinterland of AGPL, augmented the cargo handling capabilities at the port by way of adding new facilities as well as improving upon the existing receipt and dispatch systems, and obtained Environmental & CRZ clearance from MoEF& CC vide EC & CRZ Clearance dated 24.12.2021 for handling up to 60.95 MTPA with wide variety of cargo and due to various demand requirement and detailed engineering assessment.

Further, AGPL obtained CTE from AP Pollution Control Board vide Order dated 16.08.2022. The approved cargo handling capacities are given in Table 1-1.

S. No.	Name of the cargo Existing	Volume (MTPA)
1	Containers	8.00
2	Multi Cargo: Agri products, (Food grains in bags or bulk, Chickpeas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Limestone, Bauxite, Steel Products (Steel Beams, Coils, Billets, Angles, Channels, Project Cargo), Bulk Alumina & Other cargos.	12.70
3	Coal	28.25
4	Iron ore	5.50
5	Fertilizer	2.50
6	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminum Ingots, Aluminum Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles, CP Coke Bauxite, gypsum, clinker, scrap)	3.50
7	Liquid cargo (edible oil, caustic lye)	0.50
	Total	**60.95**

Based on the market requirements, AGPL proposed Phase wise implementation of the project within the approved 60.95 MMTPA and in the process, under Phase – I development obtained CTO from APPCB for the below cargo handling capacities vide Order No: APPCB/VSP/113/CTO/HO/2009 dated 22.08.2024 as furnished in **Table 1-2**.

S. No.	Name of the cargo Existing	Volume (MTPA)
1	Containers	5.00
2	Multi Cargo: Agri products, (Food grains in bags or bulk, Chickpeas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Limestone, Bauxite, Steel Products (Steel Beams, Coils, Billets, Angles, Channels, Project Cargo), Bulk Alumina & Other cargos.	8.00
3	Coal	26.0
4	Iron ore*	5.50*
5	Fertilizer	2.50
6	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminum Ingots, Aluminum Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles, CP Coke Bauxite, gypsum, clinker, scrap)	3.50
7	Liquid cargo (edible oil, caustic lye)	0.50
	Total	**51.00**
*	Screened Iron Ore Fines (Lakh Tons/ Month)	1.0
*	Crushed Iron Ore (Lakh Tons/ Month)	1.0

AGPL has handled 11.44 MMT of above-mentioned cargoes during the Financial Year from April-2023 to March 2024 against the consented quantity of 40.95 MMTPA.

ANNEXURE-7

adani
Ports and Logistics

Lr. No. AGPL/ENV/APPCB/2025-26/014 Date: 02.06.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
3rd floor, APPCB Buildings,
Main Road, Madhavadhara VUDA Colony,
Visakhapatnam

Sir,

Sub:- Adani Gangavaram Port Limited – Details of E – Waste generated & Disposed in **Form – 3** - Submitted – Reg.

Ref:-
1. CTO & HWA Order No. APPCB/ VSP/ VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020
2. Consent Order No. APPCB/VSP/ VSP/113/ CFO/ HO/2020, dated 10.09.2020 valid up to 31.12.2025.
3. Amendment CTO Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023
4. Name change Amendment order No: APPCB/VSP/113/HO/CTO/2023 Dt. 01.08.2023
5. CTO & HWA No: APPCB/VSP/113/CTO/HO/2009, dated 22.08.2023 valid up to 31.12.2025
6. Amendment CTO Order No: APPCB/VSP/VSP/113/HO/CTO/2020 05.01.2024.

@@@

In compliance with the conditions stipulated in CTO & HWA orders vide reference cited above we are herewith submitting the Annual Returns of Generation, Storage & Disposal of E – Waste for the **Year 2024 – 2025** in **Form- 3** as per the E-Waste (Management) Rules, 2016 & 2022 and amendments thereof.

Kindly acknowledge receipt of the same.

Yours sincerely,

Amit Malik

CEO - Adani Gangavaram Port Limited

Encl: Attached E-Waste disposal data -2024-25.

A.P. Pollution Control Board, Regional Office, Visakhapatnam 10.6.25

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
Tel + 91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com
Registered Office : Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

FORM-3

[See rules 4(5), 5(5), 8(6), 9(4), 10(8), 11(9), 13 (1) (xi), 13(2)(v), 13(3)(vii) and 13(4)(v)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted by producer, manufacturer, refurbisher, dismantler, or recycler by 30th day of June following the financial year to which that return relates].

Quantity in Metric Tons (MT) and numbers

1	Name and address of the producer or manufacturer or refurbisher or dismantler or recycler	M/s. Adani Gangavaram Port Limited, Gangavaram (PO) Pedagantyada (V & M), Visakhapatnam Dist.
2	Name of the authorized person and complete address with telephone and fax numbers and e-mail address	Amit Malik CEO – Adani Gangavaram Port Limited. Phone: 0891 - 2889999 Email: amit.malik2@adani.com
3	Total quantity of e-waste collected or channelized to recyclers or dismantlers for processing during the year for each category of electrical and electronic equipment listed in the Schedule I (Attach list) by PRODUCERS	**Total Tons – 5 MT**

Sl. No.	Manifest No.	Date	E – Waste Type	Quantity MT.
1.	024	30.12.2024	E – Waste – Electrical & IT Waste	5.0
			Total	**5.0**

	Details of the above	TYPE	QUANTITY	No.
3(A)*	BULK CONSUMERS: Quantity of e- waste	---	---	---
3(B)*	REFURBISHERS: Quantity of e-waste:	---	---	---
3(C)*	DISMANTLERS: i. Quantity of e-waste processed (Code wise); ii. Details of materials or components recovered and sold; iii. Quantity of e-waste sent to recycler; iv. Residual quantity of e-waste sent to Treatment, Storage and Disposal	---	---	---

	Facility.			
3(D) *	RECYCLERS: i. Quantity of e-waste processed (Code wise); ii. Details of materials recovered and sold in the market; iii. Details of residue sent to Treatment, Storage and Disposal Facility.	---	---	---
4	Name and full address of the destination with respect to 3(A)-3(D) above	**M/s. Eco Global E-Waste Recycler. Plot-No: 87, 2nd Phase& Sector. Bidadi Industrial Area, Ramanagara-562109. Karnataka State.**		
5	Type and quantity of materials segregated or recovered from e-waste of different codes as applicable to 3(A)-3(D)	Type ---	Quantity ---	

Enclose the list of recyclers to whom e-waste has been sent for recycling.

Place: Gangavaram (PO), Pedagantyada (M), Visakhapatnam Dist.

Date: 02.06.2025.

Amit Malik

Signature of the authorized person

Note:-

1 * Strike off whichever is not applicable
2 Provide any other information as stipulated in the conditions to the authorizer
3 In case filing on behalf of multiple regional offices, Bulk Consumers and Producers need to add extra rows to 1 & 3(A) with respect to each office.

ANNEXURE-8

adani
Ports and Logistics

Lr. No. AGPL/ENV/APPCB/2025-26/015 **Date: 02.06.2025**

To
The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
3rd Floor, APPCB Buildings,
Main Road, Madhavadhara VUDA Colony,
Visakhapatnam

Sir,

Sub:- Adani Gangavaram Port Limited – Hazardous Waste Annual Returns – **Form – 4** – Submitted – Reg.

Ref:-
1. CTO & HWA Order No. APPCB/ VSP/ VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020
2. Consent Order No. APPCB/VSP/ VSP/113/ CFO/ HO/2020, dated 10.09.2020 valid up to 31.12.2025.
3. Amendment CTO Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023
4. Name change Amendment order No: APPCB/VSP/113/HO/CTO/2023 Dt. 01.08.2023
5. CTO & HWA No: APPCB/VSP/113/CTO/HO/2009, dated 22.08.2023 valid up to 31.12.2025
6. Amendment CTO Order No: APPCB/VSP/VSP/113/HO/CTO/2020 05.01.2024

@@@

In compliance with the conditions stipulated in CTO & HWA orders vide reference cited above we are herewith submitting the Annual Returns of Generation, Storage & Disposal of Hazardous Waste (Waste/Used Oil) **for the Year 2024 – 2025** in **Form- 4** as per the Hazardous and other Waste (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and amendments thereof.

Kindly acknowledge receipt of the same.

10.6.25

Yours sincerely,

Amit Malik

CEO - Adani Gangavaram Port Limited

Encl: Attached Hazardous Waste Annual Returns data -2024-25.

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
Tel + 91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com
Registered Office : Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

FORM 4

[See rules 6 (5), 13 (8), 16(6) and 20(2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board by 30th day of June of every year for the preceding period April to March]

Sl. No	General Details	:	Information
1.	Name and address of facility	:	M/s. Adani Gangavaram Port Limited, Gangavaram (V), Pedagantyada (M), Visakhapatnam
2.	Authorization No. and Date of Issue	:	
	1. CTO & HWA Order No. APPCB/ VSP/ VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020 2. Consent Order No. APPCB/VSP/ VSP/113/ CFO/ HO/2020, dated 10.09.2020 valid up to 31.12.2025. 3. Amendment CTO Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023 4. Name change Amendment order No: APPCB/VSP/113/HO/CTO/2023 Dt. 01.08.2023 5. CTO & HWA No: APPCB/VSP/113/CTO/HO/2009, dated 22.08.2023 valid up to 31.12.2025 6. Amendment CTO Order No: APPCB/VSP/VSP/113/HO/CTO/2020 05.01.2024		
3.	Name of the authorized person and full Address with telephone, fax number and e-mail	:	Amit Malik CEO – Adani Gangavaram Port Limited. Phone: 0891 – 2889999 Email: amit.malik2@adani.com M/s. Gangavaram Port Limited, Gangavaram (V), Pedagantyada (M), Visakhapatnam,
4.	Production during the year	:	

S. No	Name of the Cargo	Consented quantity (MMTPA)	Commodities handled
1	Containers	5.00	AGPL has handled 26.80 MMTs of Commodities viz., Iron Ore, Coal, Slag, Fertilizer, Lime Stone, Steel Products, Industrial Raw Material and Bulk Ammonia during the period from April, 2024 to March, 2025
2	Multi Cargo: Agri products, (Food grains in bags or bulk, Chickpeas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Limestone, Bauxite, Steel Products (Steel Beams, Coils, Billets, Angles, Channels, Project Cargo), Bulk Alumina & Other cargos.	8.00	
3	Coal	26.0	
4	Iron ore	5.50	
5	Fertilizer	2.50	

6	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminum Ingots, Aluminum Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles, 3.50 File No.APPCB-11022/92/2020-TEC-CFO-APPCB CP Coke Bauxite, gypsum, clinker, scrap	3.50	
7	Liquid cargo (edible oil, caustic lye)	0.50	
	Total	**51.0**	
8	Screened Iron Ore Fines	1.0 Lakh TPM	
9	Crushed Iron Ore	1.0 Lakh TPM	
	Total	**51.0**	**26.80 MMT**

	Part A. To be filled by hazardous waste generators						
1.	Total quantity of waste generated Category wise	:					
	Previous Storage	Generation 2023 -24	Disposal 2023-24	Stored	Generation 2024 -25	Disposal 2024-25	Stored
	Quantity in MT						
	14.0	**2.80**	**16.80**	**Nil**	**24.86**	**24.86**	**Nil**
	AGPL obtained Amendment to CTO & HWA vide Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023 & 05.01.2024 for Waste Oil quantities & inclusion of ship waste oil.						
2.	Quantity dispatched	:					
	Waste Oil /Used Oil (Port equipment generated)	:	**24.86 MT**				
	i. To disposal facility	:	M/s. Jyothi Lubricants, Plot No.185, IDA, Kondapalli, Krishna District – 521 228 Andhra Pradesh.				
	ii. To recycler or co-processors or pre-processor	:	---				
	Waste / Used Oil sludge generated in ships	:	**759.94 MT**				

S. No.	Name & Address of the Recycler	Quantity disposed (Tons)
1.	M/s.Navya Waste and Used Oil Re-refining and Recycling Industry, Visakhapatnam	663.55
2.	Zen Waste oil Recycling Industry, Visakhapatnam	61.69
3.	M/s. Sri Venkateswara Lubricants, Visakhapatnam	22.89

		4.	M/s. Krishna Lubricants	11.81
			Total	**759.94**
	iii. Others		:	**N.A.**
3.	Quantity utilized in-house, if any-		:	**Nil**
4.	Quantity in storage at the end of the year		:	**Nil**
	Part B. To be filled by Treatment, Storage and disposal facility operators			
1.	Total quantity received -		:	
2.	Quantity in stock at the beginning of the year		:	
3.	Quantity treated		:	
4.	Quantity disposed in landfills as such and after treatment.		:	
5.	Quantity incinerated (if applicable)		:	
6.	Quantity processed other than specified above-		:	
7.	Quantity in storage at end of the year		:	
	Part C. To be filled by recycler or co-processors or other users			
1.	Quantity of the waste received during the year- i) Domestic Sources ii) Imported (if applicable)		:	
2.	Quantity in Stock at the beginning of year –		:	
3.	Quantity recycled or co-processed or used-		:	
4.	Quantity of product dispatched (wherever applicable) –		:	
5.	Quantity of waste generated-		:	
6.	Quantity of waste disposed-		:	
7.	Quantity re-exported (wherever applicable)		:	
8.	Quantity in the storage at the end of the year-		:	

Date: 02.06.2025
Place: Gangavaram (P),
Pedagantyada (M)

Signature of the Occupier or Operator of the Disposal facility

ANNEXURE-9

adani
Ports and Logistics

AGPL/APPCB/ENV/Form-V/2024-25/27 Date:27.09.2025

To

The Environmental Engineer
A.P. Pollution Control Board,
Regional Office,
3rd Floor, APPCB Buildings,
Main Road, Madhavadhara VUDA Colony
Visakhapatnam

Sir,

Sub: - Adani Gangavaram Port Limited, Gangavaram (PO) Pedagantyada (M), Visakhapatnam – Environment Statement – FORM – V - Submitted – Reg.

Ref: -
1. CTO & HWA Order No. APPCB/ VSP/ VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020
2. Consent Order No. APPCB/VSP/ VSP/113/ CFO/ HO/2020, dated 10.09.2020 valid up to 31.12.2025.
3. Amendment CTO Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023.
4. Consent Order No:APPCB/VSP/113/CTO/HO/2009, dated 22.08.2024.

@@@

In compliance with the Consent & HW Authorization Condition No.7 stipulated in Schedule – A of CTO & HWA Order vide reference cited, and as per Rule No.14 of E(P) Rules,1986 & amendments thereof, submitting herewith the Environment Statement in Form-V for the year 2024-2025.

Kindly acknowledge receipt of the same.

A.P. Pollution Control Board Regional Office, Visakhapatnam 27.9.25

Thanking you.

Yours faithfully,
for Adani Gangavaram Port Limited.,

Behera 27-09-2025

Encl: Copy of Form – V – Environment Statement along with attachments.

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
Tel +91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com
Registered Office : Adani Corporate House, Shanthigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

ANNEXURE

ENVIRONMENTAL STATEMENT FORM-V
(See rule 14)

Environmental Statement for the financial year ending with 31st March

PART-A

I.	Name and address of the owner/ Occupier of the industry *Corporate Office*	:	Adani Gangavaram Port Limited, Adani Corporate House, Shantigram, Nr.Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad – 382421, Gujarat.
II.	*Site Office*	:	*Adani Gangavaram Port Limited* *Gangavaram (Post)* *Peda Gantyada (Mandal)* *Visakhapatnam – 530 044* *Andhra Pradesh*
III.	*Operation or process*	:	***Port – Services***
IV.	*Industry category Primary-(STC Code) Secondary- (STC Code)*	:	*----*
V.	*Production category. Units. -*	:	***Services***
VI.	*Year of establishment*	:	***2009***
VII.	*Date of the last environmental statement submitted*	:	***27.09.2025 for the period of 2024 -2025***

PART-B

I.	*Water and Raw Material Consumption* *Water consumption in m^3/d* *Process:* *Cooling:* *Domestic:*	:	***Please refer Annexure A***

Name of Products	Process water consumption per unit of products	
	During the previous financial year	During the current financial year
---	---	---

II. ***Raw material consumption*** : ***Please refer Annexure B***

Name of raw materials*	Name of Products	Consumption of raw material per unit of output	
		During the previous financial year	During the current financial year
Being a port activity, no raw material handling involved.			

** Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.*

PART-C

I. ***Pollution discharged to environment/unit of output –*** *(Parameter as specified in the consent issued)* : ***Please refer Annexure C***

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants Discharged (mass/volume)	Percentage of variation from Prescribed standards with Reasons.
(a) Water	**---**	**---**	**---**
(b) Air	**---**	**---**	**---**

PART-D

I. ***HAZARDOUS WASTES*** *(as specified under Hazardous Wastes (Management & Handling Rules, 1989).* : ***Please refer Annexure D***

Hazardous Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
1. From Process 2. From Pollution Control Facilities	**---**	---

PART – E

I. ***SOLID WASTES****:* : ***203.00 tons***

Solid Wastes	Total Quantity (Kg)	
	During the previous financial year	During the current financial year
a. From process	Municipal Solid waste only. In consultation with GVMC, AGPL made arrangements for daily collection & disposal of the solid waste to GVMC dump site, Pedagantyada, Visakhapatnam	a. The solid waste is being collected & disposed to GVMC dump site on regular basis. b. GVMC segregates the material into dry and wet. The dry waste like plastic, glass, iron, aluminum, cardboard, wooden are separated with the help of

	The average quantity of solid waste generating in the port is 16.92 TPM	dry resource collection center in MSF – VI, Gajuwaka and recycled. The wet material will be treated with windrow fermentation process which concerts wet waste into useful organics mixture by emitting low CO2 level. This whole process is under Solid Waste Management Rules 2020 and Amendments thereafter for environment sustainability. c. Some quantity of the Bio-degradable waste is being used as manure for development of greenbelt within the Port premises d. The dry leaves are utilizing for preparation of vermin-compost.

Details of solid waste and Discarded material disposed to GVMC MSW Site during the period from April 2024 to March 2025:

Sl. No.	Month	Quantity (Tons)
1.	Apr-24	14.6
2.	May-24	9.4
3.	Jun-24	10.2
4.	Jul-24	14.7
5.	Aug-24	15.7
6.	Sep-24	17.8
7.	Oct-24	15.2
8.	Nov-24	15.1
9.	Dec-24	22.4
10.	Jan-25	20.9
11.	Feb-25	22.1
12.	Mar-25	24.9
	Total	**203.0 tons**
Average per month		**16.92 tons**
Average per day		**550 kgs**

b. From Pollution Control Facility	-	-
c. Quantity recycled or re-utilized within the unit.	-	-

PART- F

I.	*Please specify the characteristics (in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.*	:	***Not Applicable***

PART-G

I.	*Impact of the pollution control measures taken on conservation of natural resources and consequently on the cost of production.*	:	***Not Applicable***

PART- H

I.	*Additional measures/investment proposal for environmental protection including abatement of pollution.*	:	***Please refer Annexure E***

PART - I

MISCELLANEOUS:

I.	***Any other particulars in respect of environmental protection and abatement of pollution.***

1. ***World Earth Day – 22nd April 2024***

Awareness campaign on

- Environment sustainability,
- Protection measures to be adopted to save the environment
- Significance & need of plantation
- Discharging usage of single use plastic
- Water conservation & Rainwater harvesting
- Adopting Reduce, Reuse, Recycle method
- Massive Plantation programme with 500 saplings plantation

2. ***World Environment Day - 2024***

On the occasion of World Environment Day, AGPL has organized and conducted weeklong awareness programmes as detailed below:

- On 01.05.2024 has been conducted awareness program in various

Departments in port premises.

- Field workers, drivers and employees are actively participated in this

Awareness program.

- Whoever actively participated to share their ideas towards sustainable

Environment, we will be appreciated with them with surprising prize.

- In this awareness program we are mainly focusing on ground level workers

Because they are, play a key role in industrial sector.

- We are planning to conduct this awareness program in two days

3. **World Ocean Day 8th June**

Celebrated World Ocean's Day 8th June 2024 by initiating awareness program at the Port premises and beach cleaning activity.

4. **World Nature Conservation Day 28th July, 2024**

Conducting the following awareness program within the Port premises to express commitment towards environment protection and environment sustainability.

- Plantation.
- Awareness campaign on:
- Reduce waste by recycling, composting, and using reusable products.
- Switch to energy-efficient light bulbs, reduce water usage,
- Use public transportation or carpool to reduce carbon footprint.

5. **Ozone Day – 16th September**

Awareness campaign on Ozone Day:

- Reduce waste by recycling, composting, and using reusable products.
- Switch to energy-efficient light bulbs, reduce water usage,
- Use public transportation or carpool to reduce carbon footprint.
- To safeguard and preserve the environment and natural resources.
- To make a commitment to taking action to build a sustainable future and future generations.
- To promote the necessity of sustainable development is one of the day's main objectives.
- To balance between social responsibility, environmental conservation, and economic progress.
- Plantation of 600 saplings within the Port premises.

6. **Promotion of Environment sustainability**

As a part of promotion of Environment sustainability, AGPL has been continuing by distributed 2500 No. of Clay Ganesh Idols among Port employees & associates at free of cost.

7. **Global Recycling Day – 18.03.2025**

The theme of 2025 Global-recycling day is.**Breaking barriers**

AGPL has performed the day by campaign the significance of Global Recycling Day

- Promoted the Importance of Recycling
- Encouraged the employees to implement recycling & reuse at the house also to the extent possible.
- Discourage the utilization of single-use plastic covers or things.
- Awareness on proper/scientifically dispose of things
- Implement 3R's at Home i.e., Reduce, Reuse, Recycle

8. **International Day of Forests – 21st March 2025**

The theme for International Day of Forests 2024 is Forests and Innovation: New Solutions for a Better World. The battle against deforestation requires new technological advancements.

On this occasion, AGPL organized a massive plantation programme and planted 2000 samplings involving all the departments.

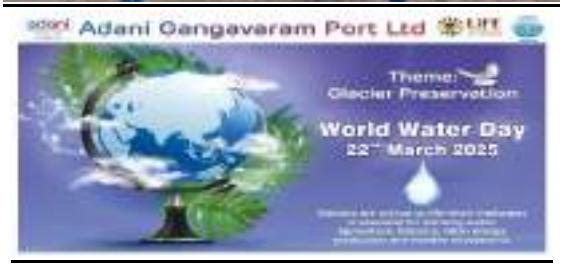
9. **World Water Day – 22nd March – 2025**

AGPL focused on the water conservation & Management, promoted awareness among the port employees including associates in a big way:

The sustainable water management generates several benefits to individuals and communities, including:

- Health,
- Food & energy security,
- Protection from natural disasters,
- Education & improved living standards and employment,
- Economic development and a variety of ecosystem services.
- It is through these benefits that water leads to prosperity, and by equitably sharing these benefits, peace is promoted.

Thus, water management needs to consider the new economic and social realities, including climate change and geopolitical changes and their implications on our water resources. Leveraging water for prosperity and peace therefore requires actions beyond the water domain.



10 **Beach cleaning**

Beach Cleaning at RK Beach location with assosiated with APPCB and GVMC

Annexure – A

Water Source & Water Input - (April 2024 – March 2025)

Month/Year	Raw Water Source (VIWSCO) (KL/Month)
April - 2024	29175
May – 2024	35095
June – 2024	42978
July – 2024	37262
August – 2024	40635
September – 2024	27766
October – 2024	37338
November – 2024	39693
December – 2024	27644
January – 2025	38479
February – 2025	47596
March - 2025	61392
Total	**465053**
Daily average	**1274.18**

Fresh Water Consumption (KLD)

Month	Application as per the Consent Order				
	Green belt	**Dust Suppression**	**Domestic**	**Ship Supply**	**Misc.**
April – 2024	1214.00	25032	960	61.2	175.05
May – 2024	1734.00	30112	1212	61.2	210.57
June – 2024	1592.00	36875	1190	204	257.87
July – 2024	920.00	31971	2220	561	223.57
August – 2024	921.00	34865	1125	153	243.81
September – 2024	708.00	23823	769	627.3	166.60
October – 2024	452.00	32036	2172	581.4	224.03
November – 2024	794.00	34057	1884	102	238.16
December – 2024	828.00	23719	2064	346.8	165.86
January – 2025	1212.00	33015	2064	387.6	230.87
February – 2025	2208.00	40837	1680	102	285.58
March - 2025	2460.00	52674	2196	163.2	368.35
Total KL/Year	15043.00	399015.5	19536.00	3350.70	2790.32
Average/KLD	41.21	1093.19	53.52	9.18	7.64
Consented Qty/KLD	**92**	**1373**	**75**	**50**	**10**

Annexure – B

Cargo handled at Adani Gangavaram Port - (April 2024-March 2025)

S. No	Name of the Cargo	Consented quantity (MMTPA)	Commodities handled MMTPA
1.	Containers	5.00	AGPL has handled **26.79**MMTA of Commodities viz., Iron Ore, Coal, Slag, Fertilizer, Limestone, Steel Products, Industrial Raw Material and Bulk Ammonia during the period from April 2024 to March 2025
2.	Multi Cargo	8.00	
3.	Coal	26.00	
4.	Iron Ore	5.50	
5.	Fertilizer	2.50	
6.	Industrial raw material	3.50	
7.	Liquid Cargo	0.50	
	Consented Total	**51.00**	
8	**Screened iron ore fines**	**1.0 lakh TPM**	
9	**Crushed Iron Ore**	**1.0 lakh TPM**	

Annexure – C

Two numbers Sewage Treatment Plant (30 KLD and 5 KLD STPs) are provided to treat the wastewater generated in the port premises. The inlet and outlet water waters are being monitored regularly as per the statutory regulations and the treated water is well within the statutory limits. The treated water is being used for the dust suppression / green belt development only.

AGPL also utilizing the Storm water for dust suppression purposes.

STP Treated & Storm water consumption (KLM)

Month/Year	**STP Treated & Storm water (KLM)**		
	Treated water	**Storm Water**	**Total**
April - 2024	388	2268	2520
May – 2024	668	264	652
June – 2024	628	1392	2060
July – 2024	604	1248	1876
August – 2024	604	612	1216
September – 2024	612	1956	2560
October – 2024	580	2916	3528
November – 2024	548	2868	3448
December – 2024	504	3542	4090
January – 2025	333	2854	3358
February – 2025	380	3192	3525
March - 2025	388	3456	3836
Total	**5849**	**26568**	**32669**
Average / Day	**16.24**	**73.80**	**90.74**

Annexure – D

I.	*E – Waste in Form – III*	:	*Submitted on 02.06.2025 for the FY 2024 - 2025* *(Copy of Acknowledgement attached)*
II.	*Hazardous Waste in Form – IV*	:	*Submitted on 02.06.2025 for the FY 2024 - 2025* *(Copy of Acknowledgement attached)*
III.	*Used Battery Returns in Form – VIII*	:	*Submitted on 02.06.2025 for the FY 2024 - 2025* *(Copy of Acknowledgement attached)*

Annexure E

COST OF ENVIRONMENTAL MEASURES FOR THE FINANCIAL YEAR 2024-2025

S. No	Facility details	Description	Cost in Rs.
1.	Pump house power consumption	Kanithi & UGR pump house power consumption cost.	17,35,623.00
2.	MDSS power consumption (Mechanical dust suppression system)	MDSS power consumption cost.	1,81,96,435.00
3.	5 KLD & 30 KLD STP	30 & 5 KLD STP Power Consumption cost.	3,15,620.00
4.	Truck Tyre Washing facility	Power consumption cost	2,85,838.00
5.	CAAQMS Operation & Maintenance	Annual operation & Maintenance of existing 4 nos. of CAAQM Beta Ray Attenuation.	1,41,16,875.00
6.	Water Cost (VIWSCO)	Water consumption for Dust Suppression & other port operations	1,48,23,999.00
7.	Dust suppression water tankers	Dust suppression water tankers cost	1,45,64,546.00
8.	Road sweepers	Road sweeping machines operation, diesel consumption, maintenance & Spare's cost	1,38,55,200.00
9.	Water sampling & analysis	Marine, Drinking, Sewage water sampling & analysis cost	15,49,380.00
10.	Sweeping with manpower	Manual cleaning of Roads, Berths, Godowns & all operational areas	45,33,511.00
11.	5 KLD & 30 KLD STP	30 & 5 KLD STP Operation & Maintenance cost	18,02400.00
12.	Truck Tyre Washing facility	Operation & Maintenance cost	20,32,800.00
13.	Truck & Wagon Tarpaulin Covering station	Operation & Maintenance cost.	12,91,74,725.00
14.	Greenbelt department	Vermi compost, FYM, Plants, JCB, Transport, Diesel, Vehicle bills cost	1,0014,743.00
15.	Community development & Awareness Programmes.	Environment day celebrations & Clay Ganesh Idols distribution cost	1,67,500.00
16.	Fire tender	Fire tender New Equipment & Its Operation ,Trailer Pump and Fire tender diesel & maintenance cost (Engine &Tinkering works)	1,09,26,800.00
17.	Solid waste Collection & Dumping	Charges for collection of solid waste from 78 locations of AGPL & dumping at GVMC site	8,04,000.00
18.	IOT & Digital water flow meters	12 no's critical locations installed	31,00000.00
		Total Amount	**24,19,99,995.00**

Annexure F

Environmental measures in the Adani Gangavaram Port Limited

M/s Adani Gangavaram Port Limited – AGPL (formerly Gangavaram Port Limited) is located at Gangavaram (PO), Pedagantyada (M), Visakhapatnam District of Andhra Pradesh, India.

AGPL has the unique distinction of being one of the few Greenfield port projects in India which has been implemented on schedule. Construction at the site commenced in December 2005 and the Port commenced trial operations in August 2008.

AGPL has been developed as an all-weather, multipurpose port with water depth upto 20.2 meters, making it the deepest and capable of handling fully laden Cape size vessels of up to 200,000 DWT, with its deep draft berths and efficient operations AGPL has become the gateway port for a hinterland spread over 8 states across Eastern, Western, Southern and Central India. Its ability to handle larger vessels efficiently has resulted in substantial savings to trade and port users. Adani Gangavaram Port Limited provides efficient cargo handling services for a variety of bulk and break-bulk cargo groups including Coal, Iron Ore, Fertilizer, Limestone, Bauxite, Raw Sugar, Project Cargo, Alumina, Steel products etc.

The Port, its related facilities and material handling system are among the most advanced in Asia and meet the highest standards in terms of pollution prevention and safety.

AGPL is presently operating with 9 berths and with consented cargo handling capacity of 51 MTPA for variety of Cargos of bulk and break bulk including coal, iron ore, Multi Cargo (Agri products, Slag, Limestone, Steel products etc.,), Fertilizer, Industrial Raw Materials such as Gypsum, Aluminum Ingots and their facilities includes berths, state-of-the-art cargo handling systems, mechanized storage facilities, railway sidings etc.,

The Port extended to 2800 acres, out of which Port development and operation is in 1800 acres only.

- Out of 9 berths, 3 berths (Berth No.4, 5 & 6) are fully mechanized,

- 5 berths (Berth No.1, 2, 3, 7 & 8) are semi-mechanized

- Provides cargo handling services for a variety of bulk and break bulk including coal, iron ore, multipurpose cargo (Agri products, Slag, Limestone, Steel products etc.,), and Fertilizer, Industrial Raw Materials etc.

- Berth No. 9 is for container operation.

Berths Layout Image

1. **Mechanized Operations:**

- The State of art mechanical dust suppression system is provided at various critical points i.e., equipment (Hopper & Declaimer), hooded conveyor belts and the storage yards have been functioning well throughout the system. Ensuring these measures, the Port can mitigate all the dust that is being generated during the operations. The other berths are being used to handle other cargos such as Project cargo, fertilizer (Urea), Sugar etc.
- The Pollution Control System is implemented, as a part of project, to mitigate the dust pollution, State of Art water sprinkling system with a cost of more than Rs 21 Cr is established at various locations. AGPL is spending Rs 22 lakhs per month on an average towards water, power charges and maintenance for DSS. Around 20 people are working daily for operating the DSS.
- Mechanical Dust Suppression System (MDSS) is mounted on each of the mobile hopper. Plain water fog systems are provided at receipt points. A dry fog system is installed at the discharge point. The system consists of one water tank mounted on a hopper, two (1 working + 1 standby) pumps for each mobile hopper are provided.

2. Dust Suppression – Mechanical Dust Suppression System (MDSS)

- AGPL provided PLC based Mechanical Dust Suppression System to control the fugitive emission from the dry bulk cargo storage areas i.e., coal and iron ore stockyards and handling areas.

- The total area covered with the water sprinkler system of the facility is classified into seven sections or segments. Two types of sprinklers are provided in the water sprinkling system. Water is sprayed through 176 no. of cannons. The cannons are operated in a cycle for the period of approximately 10 to 15 minutes per shift.

- All the 8 sections shall be operated sequentially. The operation of MDSS will be 6 times per day during the dry weather conditions and twice per day in the winter season.

- There are two types of sprinklers/cannons. Type 1 sprinklers are 9.5mm/h and Type 2 sprinklers are 6mm/h respectively. The Type 1sprinkler line will be operated for 10 minutes and the Type 2 sprinkler line will be operated for 15 minutes. The sprinklers are mounted on sprinkler posts of 6 meters height. It enables uniform water sprinkling on stockpiles height of approximately 13 meters.

- The water cannons cover a radius of approx. 50 meters & sprinkles waters up to 15 meters' height and rotate in 360^0 directions. The distance between two sprinklers is 100mts to cover total cargo stack area

PLC based MDSS in the Yards

Dust suppression through Tankers

- Water sprinkling is being carried out on the general cargo berth and in other areas viz. Roads and yards through water tankers of 20 nos. to arrest the dust pollution causing by the vehicular movement in the port. AGPL is spending around Rs. 6.50 lakhs per month on an average towards water charges and maintenance. Around 10 persons are working for this activity.

Dust suppression through Tankers

3. Truck/Wagon Tarpaulin Covering facilities:

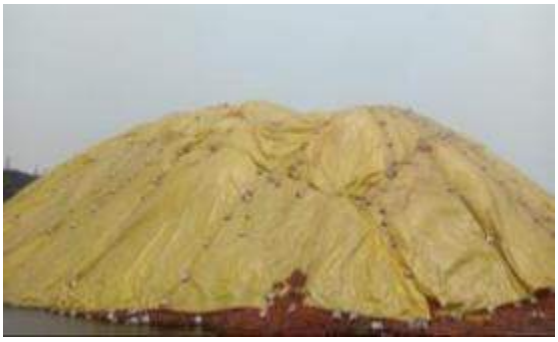
- AGPL established 16 No. of semi mechanized truck tarpaulin covering stations at various locations within the Port to facilitate and ensure all the outgoing cargos by Trucks are covered with tarpaulin.

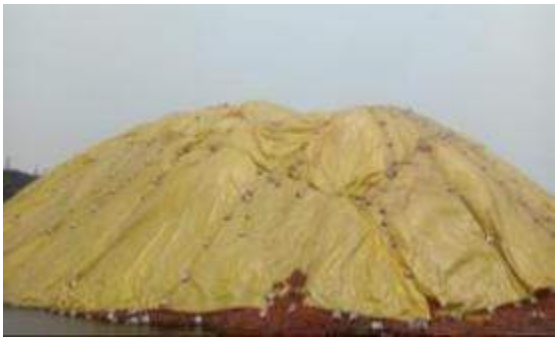
- AGPL ensuring that the tarpaulin is covered in all sides of the truck and tightly tied with rope so that the tarpaulin should not be uncovered while traveling until the truck reaches the destination without any transit spillage.

- AGPL established a semi mechanized railway wagon tarpaulin covering station at Silo location within the Port to facilitate and ensure all the outgoing cargo rakes are covered with tarpaulin and tightly tied with rope so that the tarpaulin should not be uncovered while traveling until the wagon reaches the destination without any transit spillage.

4. Cargo covered with tarpaulin:

- AGPL has been maintaining the tarpaulin covering on the cargos to the extent possible to avoid fugitive emissions.





5. Deployment of Road Sweeping Machines:

- Laid BT roads internally and 5 No. of sweeping machines were deployed for the cleaning of berths, back up areas and roads.

Road Sweeping machines **Road Sweeping machines**

6. Truck Tyre washing facilities:

- Provided 2 no. of automatic sensor-based truck/tyre washing facilities to ensure two stage wheels washing of all the outgoing vehicles to avoid dust passage on to outside roads.

- The 2nd automatic sensor-based truck tyre washing facility wheel washing facility is established with advanced technology which having cleaning water recycling & reusing system with oil skimmer facility.

7. Bio-toilets:

- Provided 25 Bio Toilets at Berths, CS Godowns, yards, and other operational locations to cater to the needs of the contractual employees with a cost of 90.00 Lakhs.

8. Specific measures towards Habitation:

Erected wind breaking walls towards Gangavaram village and HB Colony to prevent any dust transfer to habitation and a thick green belt developed supporting to the wind breaking wall, 10 layers in North-West direction to arrest the dust emissions to the villages.

Wind breaking wall towards HB Colony & Gangavaram (V)

Plantation at - GPL Site Office & all along North boundary wall side plantation supporting Wind screen towards Gangavaram village, towards Kongapalem&Venkannapalem Villages

9. Environmental Monitoring Programme in AGPL

As per the statutory guidelines AGPL appointed an authorized 3rd party agency, for continuous monitoring of the environmental parameters of the Port as well as Gangavaram village and Peda Gantyada areas.

A. Ambient Air Quality

Operating 4 No. of Continuous Ambient Air Quality Monitoring stations at the below mentioned located as suggested by SPCB within the Port premises to monitor the Ambient Air Quality viz., PM 10, PM 2.5 and the data is being uploaded to APPCB website. The Port also provided devises for measuring SO_2, NO, NO_2, & CO parameters.

i. Administrative office towards H.B. Colony (Station 1):
ii. Project site office building towards Venkannapalem (Station2)
iii. Watch tower – 4 towards Gangavaram village (Station3)
iv. Upwind direction towords RINL (Station-4)

B. Noise Monitoring

Noise monitoring is being carried out fortnightly as per the statutory regulations for the four locations and the reports are well within the statutory limits and the same are being submitted to the APPCB on monthly basis.

1. Cargo handling area (as source)
2. Gangavaram
3. Peda Gantyada/Security Gate
4. HB colony

At HB Colony

At Gangavaram (V)

At Port operational area

At Port Main Gate

C. Surface & Ground water monitoring

As per the statutory regulations & requirement, Surface & Ground water quality is being monitoring by AGPL on monthly basis at Gangavaram (Village) and reports being submitted to the APPCB, and to MoEF & CC along with Half-yearly EC Compliance

1. Gangavaram (Village)
2. North Boundary Wall (NBW) open well.

Open well at Gangavaram (V)

Bore well at Gangavaram (V)

D. Marine water / Sediment monitoring

The marine water and sediment quality monitoring is being carried out fortnightly basis of tidal sampling for the Four locations as

1. Harbor Basin
2. Port entrance channel
3. South break wall outside
4. North break wall outside

Physical, chemical and biological parameters were analyzed for water as well as for sediment to assess the quality and the same is being submitted to the APPCB. The reports are indicating that the waters are not having any noticeable contaminatio

E. Beach nourishment

Beach nourishment to safeguard the ecosystem, protecting shorefront properties, expanding, and preserving beaches & helps in building back up and protect the shoreline from diminishing beach space

10. Environment Sustainability Measures:

i. Weather & meteorological monitoring:

- CWC, Visakhapatnam installed an Automatic Weather Station (AWS) within AGPL premises as per the IMD guidelines to know the weather forecast.

- AGPL is one and only Port having the IMD Automatic Weather Station (AWS) installed by the Indian Meteorological Department, Visakhapatnam within the Port premises which is available in the domain IP address http://aws.imd.gov.in.8091

- Installed Automatic Weather station on the top of Signal Station, Vellametta and at Berth for weather forecasting & meteorological data generation.

ii. Water conservation measures:

Settling ponds provided at yards for collection of yards runoff and the supernatant water is being used for dust suppression.

A natural pond is available in Nursery area for collection of rain/runoff water. The water is utilizing for nursery development.

Rainwater harvesting pits around the buildings are being maintained.

Rainwater drains are being maintained periodically & pre-monsoon season to avoid stagnation & free flow of water and the water is using for dust suppression to the possible extent.

11. Sewage Treatment Plants:

AGPL operating 2 No. of Sewage Treatment Plants to cater the needs of sewage water treatment.

1. 5 KLD capacity STP at AGPL Main gate location – will receive the domestic sewerage from AOB Building & Security posts.

2. 30 KLD capacity STP at AGPL Harbour gate location – will receive the domestic sewerage from the COB, ERA, POB Location cluster buildings & Canteen

The Domestic sewage water receiving from office buildings of different locations of Port is being treated in STPs and being used for greenbelt development

5 KLD STP

30 KLD STP

The STP inlet & outlet water is being analyzed through a 3rd party agency on fortnight basis and as per the analysis reports, the values are meeting the prescribed standards of APPCB.

30 KLD STP Inlet & Outlet sampling

5 KLD STP Inlet & Outlet

12. Waste management:

a. **Plastic waste** is being collected and disposed to SPCB authorized plastic waste recycling units.

b. **E – Waste** is being collected and disposed to SPCB authorized E-waste recyclers and submitting the details in Form – 3 to SPCB.

c. **Hazardous waste (Waste oil)** – as per the CFO & HWA of APPCB, AGPL is permitted to generate & dispose waste oil including bilge oil. AGPL is quantifying the waste oil and disposing to SPCB authorized Waste oil recyclers and submitting the details in Form – 4 to SPCB.

d. **Solid waste** – In consultation with GVMC Authorities, AGPL arranged for daily collecting and disposing of the domestic solid waste to GVMC authorized dump site for further waste management process.

e. **Organic waste**– is being collected on regular basis within the Port and being disposed to GVMC authorized dump site for landfilling and using for vermin-compost preparation.

f. **Bio-Medical Waste** - operating an Onsite Health Centre (OHC) to provide First Aid facility to the victims and generating very less quantity of Bio-Medical Waste. AGPL made an agreement with M/s. Vasistha Environ Care an authorized Bio-medical waste Treatment Facility, Safe Collection, Transportation & disposal of properly segregated and packed BMW and/or Bio-Hazardous waste as per APPCB, CPCB norms.

13. Details of Green belt in Adani Gangavaram Port

Development of greenbelt is a continuous process in AGPL. As of now the total plantation in the Port is about 320 Acres.

- Green cover needs to reduce the pollution levels
- Improve the standard of Ambient Air Quality

- Meet the statutory requirements & compliance.
- Reduce the carbon emissions

Environment department is fixing its own targets besides statutory requirements and achieving the targets from time to time.

The land available in AGPL is mostly sand dunes and salt pans which are not supportive for plantation.

AGPL developed good plantation with the saplings suitable for the available land achieved good results.

In the process of developing greenbelt, AGPL encountered the following severe cyclones wherein the existing greenbelt was damaged badly.

- Hud Hud Cyclone 12th to 14th October 2014
- Titli Cyclone – 8th October 2018
- Gulab Cyclone – 26th & 27th September 2021

To achieve good and dense plantation, AGPL adopted Miyawaki plantation on the advice of APPCB

High Density Plantation (Miyawaki)

Miyawaki afforestation / plantation involves several different types of native plants closely just to form a Green Wall and a completely chemical free forest in an organic way that sustains itself, supports local biodiversity, and attracts birds and insects.

In 'Miyawaki' forests, the trees grow more quickly and absorb more CO_2 than plantations grown for timber.

Its benefits include lowering temperature, making soil nutritious, supporting local wildlife and sequestration of carbon.

- With the spirit of Miyawaki type plantation, AGPL continued further plantation in Miyawaki method in the other locations viz., Weigh Bridge – 3, MRSS Location, Quarry yard, 3.75 Acres location in an extent of about 5.0 Acres.

Below details show the periodical development of Greenbelt during the last 4 years:

Table T 3.11

Sl. No.	Financial Year	Target	Achieved	Survival Rate (%)
1.	2021-22	60,000	63,500	80%
2.	2022-23	50,000	51,840	95%
3.	2023-24	2,00,000	2,01,904	95%
4.	2024-25	50,000	40634	85%
	Total	3,60,000	3,37,874	

Nursery:

AGPL Established an exclusive nursery in an extent of 2.0 Acres within the Port premises and maintaining about 60 to 70,000 saplings of Avenue, Ornamental & Fruit bearing species viz., Badam, Conacarpus, Neem, T. Rosia, Vusiri, Casia Nadoja, Ganuga, Oil Palm, Maha Gani, Spathodia, Maredu, Piltopharm, Pycus panda, Coconut, Custard Apple, Lemon, Pedilanthus, Mandara etc.

The captive nursery played a significant role in restoration / reforestation after series of cyclones.

14. Community Plantation - Participation in plantation programmes organized by District Administration & APPCB.

- Participated in Green Visakha – Clean Visakha - Green Visakha – Clean Visakha – One million Tree Plantation Programme jointly taken-up by Visakhapatnam District Administration & A.P. Pollution Control Board on World Environment Day 5th June 2022, wherein GPL completed the targeted plantation of 50,000 by 18.08.2022 against the target of 50,000

- Participated in "Green Visakha 40 Lakhs Plantation Programme" jointly taken-up by SPCB & District Administration as per the directions of the Hon'ble Parliamentary Committee, during 2011 wherein GPL was given a target of 1.35 Lakhs plantation and achieved highest plantation of 1.43 lakh saplings with Geo-tagging & 87.24% survival rate.

- The details of year wise plantation target, achievement. Geo Tagged and survival rate details are as below:

Table T 3.12

S. No.	Year	Plantation details			
		Target	Achieved	Geo Tagged	Survival %
1	2012-13	20,000	20,000	19,000	87.24%
2	2013-14	30,000	30,000	24,955	
3	2014-15	10,000	16,600	7,650	
4	2015-16	38,000	38,500	31,306	
5	2016-17	37,000	38,500	32,030	
		135,000	**143,600**	**114,941**	

Photographs of Nursery & Greenbelt:

Greenbelt in and around the Port Boundary

Greenbelt within the Port premises covering yards & berths

Greenbelt within the Port premises all along the 4-lane road of 5 Km and at Port approach road.

15. New Initiatives for effective Environment & Sustainability: 2024-25

1. Power Provision for Teli Stacker Operations

- New power arrangements made at multiple locations on **CC7** to support Teli stacker operations.

2. Commissioning of EGSU Units

- Two units of **Economical Grab Ship Unloaders (EGSU)** commissioned at **Berth-3** to enhance energy-efficient mechanize cargo handling.

3. Energy Monitoring System Implementation

- Energy Monitoring System application adapted to track and manage energy consumption in real-time across operational points.

4. Fire Suppression System Installation

- Fire suppression systems are installed across all berths and yard equipment to improve safety and environmental compliance.

5. Water Management

- IOT-based digital flow meters have been newly installed as part of our environmental sustainability initiative to monitor and manage water usage.

6.Shore Power Provision for Marine Tugs at Jetty

- All marine tugs are provided with 100% shore power while at the jetty.

adani
Ports and Logistics

Lr. No. AGPL/ENV/APPCB/2025-26/014 Date: 02.06.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
3rd floor, APPCB Buildings,
Main Road, Madhavadhara VUDA Colony,
Visakhapatnam

Sir,

Sub:- Adani Gangavaram Port Limited – Details of E – Waste generated & Disposed in **Form – 3** - Submitted – Reg.

Ref:-
1. CTO & HWA Order No. APPCB/ VSP/ VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020
2. Consent Order No. APPCB/VSP/ VSP/113/ CFO/ HO/2020, dated 10.09.2020 valid up to 31.12.2025.
3. Amendment CTO Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023
4. Name change Amendment order No: APPCB/VSP/113/HO/CTO/2023 Dt. 01.08.2023
5. CTO & HWA No: APPCB/VSP/113/CTO/HO/2009, dated 22.08.2023 valid up to 31.12.2025
6. Amendment CTO Order No: APPCB/VSP/VSP/113/HO/CTO/2020 05.01.2024.

@@@

In compliance with the conditions stipulated in CTO & HWA orders vide reference cited above we are herewith submitting the Annual Returns of Generation, Storage & Disposal of E – Waste for the **Year 2024 – 2025** in **Form- 3** as per the E-Waste (Management) Rules, 2016 & 2022 and amendments thereof.

Kindly acknowledge receipt of the same.

Yours sincerely,

Amit Malik

CEO - Adani Gangavaram Port Limited

Encl: Attached E-Waste disposal data -2024-25.

A.P. Pollution Control Board Regional Office, Visakhapatnam 10.6.25

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
Tel + 91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com
Registered Office : Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

FORM-3

[See rules 4(5), 5(5), 8(6), 9(4), 10(8), 11(9), 13 (1) (xi), 13(2)(v), 13(3)(vii) and 13(4)(v)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted by producer, manufacturer, refurbisher, dismantler, or recycler by 30th day of June following the financial year to which that return relates].

Quantity in Metric Tons (MT) and numbers

1	Name and address of the producer or manufacturer or refurbisher or dismantler or recycler	M/s. Adani Gangavaram Port Limited, Gangavaram (PO) Pedagantyada (V & M), Visakhapatnam Dist.
2	Name of the authorized person and complete address with telephone and fax numbers and e-mail address	Amit Malik CEO – Adani Gangavaram Port Limited. Phone: 0891 - 2889999 Email: amit.malik2@adani.com
3	Total quantity of e-waste collected or channelized to recyclers or dismantlers for processing during the year for each category of electrical and electronic equipment listed in the Schedule I (Attach list) by PRODUCERS	**Total Tons – 5 MT**

Sl. No.	Manifest No.	Date	E – Waste Type	Quantity MT.
1.	024	30.12.2024	E – Waste – Electrical & IT Waste	5.0
			Total	**5.0**

	Details of the above	TYPE	QUANTITY	No.
3(A)*	BULK CONSUMERS: Quantity of e- waste	---	---	---
3(B)*	REFURBISHERS: Quantity of e-waste:	---	---	---
3(C)*	DISMANTLERS: i. Quantity of e-waste processed (Code wise); ii. Details of materials or components recovered and sold; iii. Quantity of e-waste sent to recycler; iv. Residual quantity of e-waste sent to Treatment, Storage and Disposal	---	---	---

	Facility.			
3(D) *	RECYCLERS: i. Quantity of e-waste processed (Code wise); ii. Details of materials recovered and sold in the market; iii. Details of residue sent to Treatment, Storage and Disposal Facility.	---	---	---
4	Name and full address of the destination with respect to 3(A)-3(D) above	**M/s. Eco Global E-Waste Recycler. Plot-No: 87, 2nd Phase& Sector. Bidadi Industrial Area, Ramanagara-562109. Karnataka State.**		
5	Type and quantity of materials segregated or recovered from e-waste of different codes as applicable to 3(A)-3(D)	Type ---	Quantity ---	

Enclose the list of recyclers to whom e-waste has been sent for recycling.

Place: Gangavaram (PO), Pedagantyada (M), Visakhapatnam Dist.

Date: 02.06.2025.

Amit Malik

Signature of the authorized person

Note:-

1 * Strike off whichever is not applicable
2 Provide any other information as stipulated in the conditions to the authorizer
3 In case filing on behalf of multiple regional offices, Bulk Consumers and Producers need to add extra rows to 1 & 3(A) with respect to each office.

adani
Ports and
Logistics

Lr. No. AGPL/ENV/APPCB/2025-26/015 **Date: 02.06.2025**

To
The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
3rd Floor, APPCB Buildings,
Main Road, Madhavadhara VUDA Colony,
Visakhapatnam

Sir,

Sub:- Adani Gangavaram Port Limited – Hazardous Waste Annual Returns – **Form – 4** – Submitted – Reg.

Ref:-
1. CTO & HWA Order No. APPCB/ VSP/ VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020
2. Consent Order No. APPCB/VSP/ VSP/113/ CFO/ HO/2020, dated 10.09.2020 valid up to 31.12.2025.
3. Amendment CTO Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023
4. Name change Amendment order No: APPCB/VSP/113/HO/CTO/2023 Dt. 01.08.2023
5. CTO & HWA No: APPCB/VSP/113/CTO/HO/2009, dated 22.08.2023 valid up to 31.12.2025
6. Amendment CTO Order No: APPCB/VSP/VSP/113/HO/CTO/2020 05.01.2024

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In compliance with the conditions stipulated in CTO & HWA orders vide reference cited above we are herewith submitting the Annual Returns of Generation, Storage & Disposal of Hazardous Waste (Waste/Used Oil) **for the Year 2024 – 2025** in **Form- 4** as per the Hazardous and other Waste (Management and Transboundary Movement) Rules, 2016 (HOWM Rules, 2016) and amendments thereof.

Kindly acknowledge receipt of the same.

10.6.25

Yours sincerely,

Amit Malik

CEO - Adani Gangavaram Port Limited

Encl: Attached Hazardous Waste Annual Returns data -2024-25.

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
Tel + 91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com
Registered Office : Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

FORM 4

[See rules 6 (5), 13 (8), 16(6) and 20(2)]

FORM FOR FILING ANNUAL RETURNS

[To be submitted to state pollution control board by 30th day of June of every year for the preceding period April to March]

Sl. No	General Details	:	Information
1.	Name and address of facility	:	M/s. Adani Gangavaram Port Limited, Gangavaram (V), Pedagantyada (M), Visakhapatnam
2.	Authorization No. and Date of Issue	:	
	1. CTO & HWA Order No. APPCB/ VSP/ VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020 2. Consent Order No. APPCB/VSP/ VSP/113/ CFO/ HO/2020, dated 10.09.2020 valid up to 31.12.2025. 3. Amendment CTO Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023 4. Name change Amendment order No: APPCB/VSP/113/HO/CTO/2023 Dt. 01.08.2023 5. CTO & HWA No: APPCB/VSP/113/CTO/HO/2009, dated 22.08.2023 valid up to 31.12.2025 6. Amendment CTO Order No: APPCB/VSP/VSP/113/HO/CTO/2020 05.01.2024		
3.	Name of the authorized person and full Address with telephone, fax number and e-mail	:	Amit Malik CEO – Adani Gangavaram Port Limited. Phone: 0891 – 2889999 Email: amit.malik2@adani.com M/s. Gangavaram Port Limited, Gangavaram (V), Pedagantyada (M), Visakhapatnam,
4.	Production during the year	:	

S. No	Name of the Cargo	Consented quantity (MMTPA)	Commodities handled
1	Containers	5.00	AGPL has handled 26.80 MMTs of Commodities viz., Iron Ore, Coal, Slag, Fertilizer, Lime Stone, Steel Products, Industrial Raw Material and Bulk Ammonia during the period from April, 2024 to March, 2025
2	Multi Cargo: Agri products, (Food grains in bags or bulk, Chickpeas, Cereals, Pulses, Sugar, Raw Sugar), Slag, Limestone, Bauxite, Steel Products (Steel Beams, Coils, Billets, Angles, Channels, Project Cargo), Bulk Alumina & Other cargos.	8.00	
3	Coal	26.0	
4	Iron ore	5.50	
5	Fertilizer	2.50	

6	Industrial Raw Material (Ferro silicon, Charge Chrome, Chrome ore, Coal Tar (Bags), Aluminum Ingots, Aluminum Billets, Bentonite, Pig iron, Manganese ore, Wood items, Paper bundles, 3.50 File No.APPCB-11022/92/2020-TEC-CFO-APPCB CP Coke Bauxite, gypsum, clinker, scrap	3.50	
7	Liquid cargo (edible oil, caustic lye)	0.50	
	Total	**51.0**	
8	Screened Iron Ore Fines	1.0 Lakh TPM	
9	Crushed Iron Ore	1.0 Lakh TPM	
	Total	**51.0**	**26.80 MMT**

	Part A. To be filled by hazardous waste generators						
1.	Total quantity of waste generated Category wise	:					
	Previous Storage	Generation 2023 -24	Disposal 2023-24	Stored	Generation 2024 -25	Disposal 2024-25	Stored
	Quantity in MT						
	14.0	**2.80**	**16.80**	**Nil**	**24.86**	**24.86**	**Nil**
	AGPL obtained Amendment to CTO & HWA vide Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023 & 05.01.2024 for Waste Oil quantities & inclusion of ship waste oil.						
2.	Quantity dispatched	:					
	Waste Oil /Used Oil (Port equipment generated)	:	**24.86 MT**				
	i. To disposal facility	:	M/s. Jyothi Lubricants, Plot No.185, IDA, Kondapalli, Krishna District – 521 228 Andhra Pradesh.				
	ii. To recycler or co-processors or pre-processor	:	---				
	Waste / Used Oil sludge generated in ships	:	**759.94 MT**				

S. No.	Name & Address of the Recycler	Quantity disposed (Tons)
1.	M/s.Navya Waste and Used Oil Re-refining and Recycling Industry, Visakhapatnam	663.55
2.	Zen Waste oil Recycling Industry, Visakhapatnam	61.69
3.	M/s. Sri Venkateswara Lubricants, Visakhapatnam	22.89

		4.	M/s. Krishna Lubricants	11.81
			Total	**759.94**
	iii. Others		:	**N.A.**
3.	Quantity utilized in-house, if any-		:	**Nil**
4.	Quantity in storage at the end of the year		:	**Nil**
	Part B. To be filled by Treatment, Storage and disposal facility operators			
1.	Total quantity received -		:	
2.	Quantity in stock at the beginning of the year		:	
3.	Quantity treated		:	
4.	Quantity disposed in landfills as such and after treatment.		:	
5.	Quantity incinerated (if applicable)		:	
6.	Quantity processed other than specified above-		:	
7.	Quantity in storage at end of the year		:	
	Part C. To be filled by recycler or co-processors or other users			
1.	Quantity of the waste received during the year- i) Domestic Sources ii) Imported (if applicable)		:	
2.	Quantity in Stock at the beginning of year –		:	
3.	Quantity recycled or co-processed or used-		:	
4.	Quantity of product dispatched (wherever applicable) –		:	
5.	Quantity of waste generated-		:	
6.	Quantity of waste disposed-		:	
7.	Quantity re-exported (wherever applicable)		:	
8.	Quantity in the storage at the end of the year-		:	

Date: 02.06.2025
Place: Gangavaram (P),
Pedagantyada (M)

Signature of the Occupier or Operator of the Disposal facility

adani
Ports and Logistics

Lr. No. AGPL/ENV/APPCB/2025-26/016 **Date: 02.06.2025**

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
3rd floor, APPCB Buildings,
Main Road, Madhavadhara VUDA Colony,
Visakhapatnam

Sir,

Sub:- Adani Gangavaram Port Limited – Annual Returns on Disposal of Used batters in **Form – B** - Submitted – Reg.

Ref:-
1. CTO & HWA Order No. APPCB/ VSP/ VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020
2. Consent Order No. APPCB/VSP/ VSP/113/ CFO/ HO/2020, dated 10.09.2020 valid up to 31.12.2025.
3. Amendment CTO Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023
4. Name change Amendment order No: APPCB/VSP/113/HO/CTO/2023 Dt. 01.08.2023
5. CTO & HWA No: APPCB/VSP/113/CTO/HO/2009, dated 22.08.2023 valid up to 31.12.2025
6. Amendment CTO Order No: APPCB/VSP/VSP/113/HO/CTO/2020 05.01.2024

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In compliance with the conditions stipulated in CTO & HWA orders vide reference cited above we are herewith submitting the Annual Returns of Generation, Storage & Disposal of Used Batteries for the year 2024–2025 in **Form- B** as per the Batters (Management & Handling) Rules, 2022 & 2025 and amendments thereof.

Kindly acknowledge receipt of the same.

Yours sincerely,

Amit Malik

CEO - Adani Gangavaram Port Limited

A.P. Pollution Control Board Regional Office, Visakhapatnam 10.6.25

Encl: Attached Annual Returns on Disposal of Used batters data -2024-25.

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
Tel + 91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com
Registered Office : Adani Corporate House, Shanthigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

FORM VIII

[see rule 10 (2) (ii)]

FORM FOR FILING RETURNS FOR BULK CONSUMBER OF BATTERIES

[To be submitted by the bulk consumer to the State Board by 30th June (for the period October-March) and 31st December (for the period April-September) every year]

1.	Name and Address of the bulk consumer	M/s. Adani Gangavaram Port Limited, Gangavaram (PO) Pedagantyada (V & M), Visakhapatnam Dist.
2.	Name of the Authorised person and full address with telephone and fax number	Amit Malik CEO – Adani Gangavaram Port Limited. Phone: 0891 - 2889999 Email: amit.malik2@adani.com
3.	Number of new batteries of different categories purchased from the manufacturer/importer/dealer or any other agency during October-March and April September Category : (i) **Automotive** (a) four wheelers (b) two wheelers (ii) **Industrial** (a) UPS (b) Motive Power (c) Stand-by (iii) **Others**	(i) No. of Batteries – 75 Nos. (ii) Approximate weight - 1.87 (in Metric Tonnes) Invoice No.1930700000818, Date: 27.08.2024.
4.	Number of used batteries of categories mentioned in Sl. No. 3 and Tonnage of scrap sent to manufacturer/ dealer/ importer/ registered recycler/ or any other agency to whom the used batteries scrap was sent*.	M/s. Southern Power Industries, DP No.3, Electrical INDU Estate, Kakkalur, Thiruvallur-602003, Tamilanadu.

- Enclose list of manufacture/dealer/importer/registered recyclers/or any other agency to whom the used batteries scrap was sent.

Place: Gangavaram (PO), Pedagantyada (M), Visakhapatnam Dist.

Date: 02.06.2025.

Amit Malik

Signature of the authorized person

ANNEXURE-10

Solid Waste Management:

Solid Waste Management Rules, 2016, Hazardous Waste Management Rules, E-Waste Management Rules, and Biomedical Waste Management Rules. The port maintains detailed records of waste generation, treatment, and disposal, which are regularly submitted to the regulatory authorities.

AGPL has provided collection bins at about 76 locations within the port premises for collection of dry & wet solid & domestic waste.

GVMC Garbage dumping facility area

GVMC Transfer Station

AGPL-Garbage collection locations

- AGPL planned with GVMC, for daily collecting and disposing of the domestic solid waste to GVMC dump site. Copy of the GVMC Agreement attached as **Annexure - XIII**

  The GVMC segregates the material into dry and wet waste.

  - The dry waste viz., Plastic, glass, iron, aluminum, cardboard, wooden etc., are separated with the help of dry resource collection center.

  - The wet material will be treated with window fermentation with a specific cluster, which converts the wet waste into useful organic mixture by emitting low CO_2 level.

  - The whole process is under Solid Waste Management Rules 2016 & amendments thereafter for environmental sustainability.

The details of solid waste disposed during the period from April 2025 to September 2025 are as below:

T 3.6

Sl. No.	Month	Quantity (Tons)
1.	April 2025	22.27
2.	May 2025	19.9
3.	June 2025	18.85
4.	July 2025	20.2
5.	August 2025	17
6.	September 2025	17.63
	Total	115.85
Average per month		19.30
Average per day		0.636

ANDHRA PRADESH POLLUTION CONTROL BOARD
REGIONAL OFFICE: VISAKHAPATNAM

D.No. 39-33-20/4/1, Madhavadhara Vuda Colony,
Visakhapatnam - 530018,
Phone No. 0891 - 2755356, Email Id : rovspamch@gmail.com

BIO -MEDICAL WASTE AUTHORISATION

(Issued under Rule 10 of the Bio-Medical Waste Management Rules, 2016)

(Authorisation for operating a facility for generation, collection, reception, treatment, storage, transport and disposal of biomedical wastes)

Order PCB/ROVSP/BMW/HCE- /2022 -794 **Date: 20.10.2022**

Occupational Health Centre an occupier or operator of the facility located at M/s **Gangavaram Port Limited, Pedagantyada (V & M), Visakhapatnam District** is hereby granted an authorization for:

Activity	Please tick
Generation, segregation	(√)
Collection,	(√)
Storage	(√)
Packaging	(√)
Reception	( )
Transportation	( )
Treatment or processing or conversion	( )
Recycling	( )
Disposal or destruction	( )
Use	( )
Offering for sale, transfer	( )
Any other form of handling	( )

2. **Occupational Health Centre** is hereby authorized for handling of biomedical waste as per the capacity given below:

(i) Number of beds of HCF: OHC (Without Beds)
(ii) Quantity of Biomedical waste handled treated or disposed:

Type of Waste Category	Quantity permitted for Handling
Yellow	15.0 Kgs/Month
Red	10.0 Kgs/Month
White (Translucent)	2.0 Kgs/Month
Blue	0.2 Kgs/Month

3. This is an **One Time Authorization.**
4. This authorisation is subject to the conditions stated below and to such other conditions as may be specified in the rules for the time being in force under the Environment (Protection) Act, 1986.

Date: 20.10.2022
Place: Visakhapatnam

ENVIRONMENTAL ENGINEER (FAC)

19.10.22

Environmental Engineer
A.P. Pollution Control Board
Regional Office, Visakhapatnam

TERMS AND CONDITIONS OF AUTHORISATION

SCHEDULE – A

1. The authorised person shall comply with the rules of Bio-Medical Waste Management Rules, 2016 and the amendments made there under from time to time.
2. The authorised person should handle the waste without any adverse effects to human health and the Environment.
3. Take all necessary steps to ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with these rules;
4. The Bio-Medical Waste shall not be mixed with other wastes.
5. The Bio-Medical Waste shall be segregated into containers / bags at the point of generation in accordance with Schedule – I of the Notification prior to its storage, transportation, treatment and disposal. The containers shall be labeled according to Schedule – IV of the Notification.
6. If a container is transported from the premises where Bio-Medical Waste is generated to any waste treatment facility outside the premises, the container shall, apart from the label prescribed in Schedule – IV of the Notification, also carry information prescribed in Schedule – IV of the Notification.
7. Notwithstanding anything contained in the Motor Vehicles Act, 1988, or Rules there under, untreated Bio-Medical Waste shall be transported only in such vehicle as may be authorised for the purpose by the Competent Authority as specified by the Government.
8. The person authorised under these Rules shall not lease, sell, transfer or otherwise transport the Bio-Medical Wastes without obtaining prior permission of the Member Secretary, Andhra Pradesh Pollution Control Board.
9. An application for the renewal of authorisation shall be made as laid down in Rule 10 and Form II of the Rules.
10. Every occupier/operator shall submit an annual report to the Member Secretary, Andhra Pradesh Pollution Control Board in Form – IV by 30th June every year, containing information about the categories and quantities of Bio-Medical Wastes handled during the preceding year.
11. Every HCE shall maintain a daily record of waste generation quantity either in volume or by weight in kg/day as follows:
    a. **Human anatomical /Animal anatomical/solid waste/expired and discarded medicines, Chemical liquid etc. (Yellow Bag)**
    b. **Contaminated waste(recyclable) (Red Bag)**
    c. **Waste Sharps including metals etc. (White translucent Puncture Proof Bags)**
    d. **Glassware, Metallic body implants (Blue Bag)**
12. Every authorized person shall maintain records related to the generation, collection, reception, storage, transportation, treatment, disposal and / or any form of handling of Bio-Medical Waste in accordance with these Rules and any guidelines issued.
13. All records shall be subject to inspection and verification by the Member Secretary, Andhra Pradesh Pollution Control Board, or authorized officer of A.P.Pollution Control Board at any time.
14. The Applicant shall exhibit the Authorisation of the Board in the premises at a prominent place for the information of inspecting officer of different Departments.
15. The applicants shall inform the Prescribed Authority, the name and designation of the concerned person in-charge of Bio-Medical Waste Management in the Health Care Establishment. This person shall be held responsible for the implementation of the Bio-Medical Waste Management Rules, 2016.

SCHEDULE – B

1. The HCE shall obtain DM & HO Registration.
2. Biomedical waste shall be treated and disposed in accordance with Schedule – I (Part I & II) and in compliance with standards provided in Schedule II of the Bio-Medical Waste Management Rules, 2016 should be carried out at source only. Only Yellow, Red, Blue, non chlorinated bags shall be used for collection of BMW.
3. Make a provision within the premises for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers in the manner as specified in Schedule I, to ensure that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in these rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule I;
4. Pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by the World Health Organization (WHO) or National AIDs Control Organization (NACO) guidelines and then sent to the common bio-medical waste treatment facility for final disposal;
5. Phase out use of chlorinated plastic bags, gloves and blood bags within two years from the date of notification of BMWM Rules, 2016.
6. Dispose of solid waste other than bio-medical waste in accordance with the provisions of respective waste management rules made under the relevant laws and amended from time to time;
7. Not to give treated bio-medical waste with municipal solid waste;
8. Provide training to all its health care workers and others, involved in handling of bio medical waste at the time of induction and thereafter at least once every year and the details of training programmers conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report;
9. Immunize all its health care workers and others, involved in handling of bio-medical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling of bio-medical waste, in the manner as prescribed in the National Immunization Policy or the guidelines of the Ministry of Health and Family Welfare issued from time to time;
10. Establish a Bar- Code System for bags or containers containing bio-medical waste to be sent to CBMWTF within one year from the date of the notification of these rules;
11. Ensure segregation of liquid chemical waste at source and ensure pre-treatment or neutralization prior to mixing with other effluent generated from health care facilities;
12. Ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974);
13. Ensure occupational safety of all health care workers and others involved in handling of biomedical waste by providing appropriate and adequate personal protective equipments;
14. Conduct health check up at the time of induction and at least once in a year for all its health care workers and others involved in handling of bio- medical waste and maintain the records for the same;
15. Maintain and update on day to day basis the bio-medical waste management register and display the monthly record on its website according to the bio-medical waste generated in terms of category and colour coding as specified in Schedule I;
16. Report major accidents including accidents caused by fire hazards, blasts during handling of biomedical waste and the remedial action taken and the records relevant thereto, (including nil report) in Form I to the prescribed authority and also along with the annual report;

17. Make available the annual report your official web-site within two years from the date of notification of BMWM Rules, 2016;
18. Inform the Prescribed Authority i.e, APPCB immediately in case the Operator of a common facility does not collect the bio-medical waste within 48 hours or as per the agreed time;
19. Establish a system to review and monitor the activities related to bio-medical waste management, either through an existing committee or by forming a new committee and the Committee shall meet once in every six months and the record of the minutes of the meetings of this committee shall be submitted along with the annual report to the prescribed authority.
20. Maintain all record for operation of incineration, hydro or autoclaving etc., for a period of five years;
21. All plastic bags shall be as per BIS standards as and when published, till then the prevailing Plastic Waste Management Rules shall be applicable.
22. Dead Fetus below the viability period (as per the Medical Termination of Pregnancy Act, 197, amended from time to time) can be considered as human anatomical waste. Such waste should be handed over to the operator of common bio medical waste treatment and disposal facility in yellow bag with a copy of the official Medical Termination of Pregnancy certificate from the Obstetrician or the Medical Superintendent of hospital or health care establishment.
23. Cytotoxic drug vials shall not be handed over to unauthorized person under any circumstances. These shall be sent back to the manufacturers for necessary disposal at a single point. As a second option, these may be sent for incineration at common bio medical waste treatment and disposal facility or TSDFs or plasma pyrolysis is at temperature >1200°C.
24. Residual or discarded chemical wastes, used or discarded disinfectants and chemical sludge can be disposed at hazardous waste treatment, storage and disposal facility. In such, the waste should be sent to hazardous waste treatment, storage and disposal facility through operator of common bio medical waste treatment and disposal facility only.
25. Syringes should be either mutilated or needles should be cut and or stored in tamper proof, leak proof and puncture proof containers for sharps storage. Wherever the occupier is not linked to a disposal facility it shall be the responsibility of the occupier to sterilize and dispose in the manner prescribed.
26. The Occupier shall hand over segregated waste as per the Schedule-I to common bio-medical waste treatment facility for treatment, processing and final disposal.
27. Every occupier shall phase out use of non-chlorinated plastic bags within two years from the date of publication of these rules and after two years from such publication of these rules, the chlorinated plastic bags shall not be used for storing and transporting of bio medical waste and the occupier or operator of a common bio medical waste treatment facility shall not dispose of such plastics by incineration and the bags used for storing and transporting bio medical waste shall be in compliance with the Bureau of Indian Standards. Till the standards are published, the carry bags shall be as per the Plastic Waste Management Rules, 2016.
28. The Occupier shall maintain a record of recyclable wastes which are auctioned or solid and the same shall be submitted to the prescribed authority as part of its annual report. The record shall open for inspection by the prescribed authorities.
29. Segregation of the waste in accordance with Schedule – I of the Bio-Medical Waste Management Rules, 2016 should be carried out at source.
30. Chemical treatment should be carried out using at least 1% Hypochlorite Solution or any other equivalent chemical reagent. It must be ensured that chemical treatment ensures disinfection.
31. No untreated Bio-Medical Waste shall be kept stored beyond a period of 48 hours.
32. The Mercury spillage / losses due to breakage of Thermometers, pressure and other measuring equipment in Health Care Establishments shall be collected stored and send back to the manufacturers.

33. The occupier of HCE shall take all necessary measures to ensure that the spilled mercury does not become part of bio-medical or other solid waste generated from the HCE.
34. The occupier of HCE shall dispose any waste containing equal to or more than 50mg/Kg of Mercury, as per the provisions of Hazardous and other wastes (Management & Transboundary Movement) Rules, 2016 and amendments thereof.
35. The Bio Medical Waste shall be disposed for treatment after disinfection and segregation to the following Common Bio-Medical Waste Treatment Facility.

M/s.Vasista Enviro Care,
De-Notified Area, APSEZ,
Atchutapuram (M),
Visakhapatnam District

36. No Health Care Establishment shall install or operate an incinerator without specific Authorization of Prescribed Authority.
37. Under no circumstances shall incinerable waste of the Schedule I of the Rules of 2016 of any kind be openly burnt anywhere.
38. The effluents generated from the hospital should conform to the standards prescribed in schedule - II of Bio-Medical Waste Management Rules, 2016.
39. The applicant shall make an application for renewal of authorization under Bio-Medical Waste Management Rules, 2016 at least 120 days before the date of expiry of this order, along with prescribed fee.
40. The applicant shall obtain consent for operation under Water (Prevention & Control of Pollution) Act 1974 and Air (Prevention & Control of Pollution) Act 1981.
41. The HCE should provide adequate fire protection equipment (such as smoke detectors, fire extinguishers, sand bucket, fire alarm, water sprinklers etc) at salient places within the HCEs even at Bio Medical Waste storage area, in accordance with fire safety regulations and the HCE should obtain certificate from fire department.

ANY CONTRAVENTION OF THE CONDITIONS OR DIRECTIONS OF AUTHORISATION WILL ATTRACT PROSECUTION UNDER THE PROVISIONS OF THE ENVIRONMENT (PROTECTION) ACT, 1986.

ENVIRONMENTAL ENGINEER (FAC)

18.10.22

Environmental Engineer
A.P. Pollution Control Board
Regional Office, Visakhapatnam

To
The Occupier,
M/s Gangavaram Port Limited,
Pedagantyada (V & M),
Visakhapatnam District.

ANDHRA PRADESH POLLUTION CONTROL BOARD
Paryavaran Bhavan, APIIC Colony Road, Gurunanak Colony,
Autonagar, Vijayawada – 520 007

PhoneNo : 0866-2436217 Website: http://appcb.ap.gov.in

RED CATEGORY

RENEWAL OF CONSENT, HW AUTHORIZATION AND BMW AUTHORISATION ORDER

Consent order No: APPCB/BMW/CBMWTF/12/VSP/HO/2017- 9 Dt:21/05/2024

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary, Movement) Rules, 2016 and the rules and orders made there under and Authorization under Rule 10 of the Bio-Medical Waste Management Rules, 2016 (hereinafter referred to as 'the Acts', 'the Rules') to:

M/s. Vasishta Environ Care,
Plot No 27A25, De-notified Area AP SEZ,
Atchutapuram, Rambilli (M),
Anakapalli District (Erstwhile Visakhapatnam)
Email: vasistaenvironcarevsp@gmail.com

(Hereinafter referred to as 'the Applicant') authorizing to operate the Common Bio-medical Waste Treatment and disposal Facility to discharge the effluents from the outlets and the quantity of Emissions per hour from the chimneys as detailed below:

21.05.2024 DESPATCH

i) Outlet for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge (KLD)	Point of Disposal
1.	Washings	3.0	Shall be treated in ETP. Treated waste water shall be used for onland irrigation within the premises duly meeting the standards stipulated.
2.	Domestic	0.5	Septic tank followed by soak pit.

ii) Emission from chimneys:

Chimney No.	Description of Chimney	Quantity of emissions at peak flow
1.	Attached to 200 Kg/hr incinerator	–
2.	Attached to 1 x 75 KVA DG set	–

iii) HAZARDOUS WASTE AUTHORISATION (FORM – II) [See Rule6(2)]:

M/s. Vasishta Environ Care, Plot No 27A25, De-notified Area AP SEZ, Atchutapuram, Rambilli (M), AnakapalliDistrictis hereby granted an authorization to operate a facility for collection, reception, transport and disposal of the following wastes with quantities as below:

- HAZARDOUS WASTES WITH DISPOSAL OPTION:

S. No	Name of the Hazardous waste	Stream	Quantity	Disposal Option
1.	Incineration ash	37.2 of Schedule-I	0.80 TPD	Send to TSDF for secured landfillthrough M/s. APEMC
2.	Used Oil / Waste Lubrication Oil	5.1 of Schedule -I	50 LPA	To authorized Re-processors / Recyclers / to the Cement industries to use as alternate fuel in the Kilnthrough M/s. APEMC
3.	Waste Plastic		25 Kgs/day	Send toAPPCB authorized recyclers.
4.	Bag Filter dust/ Spay Drier waste	37.2 of Schedule-I	25 Kgs/ day	Send to TSDF for secured landfill through M/s. APEMC
5.	ETP Sludge	35.3 of Schedule – I	2 Kgs/ day	Send to TSDFfor secured landfill through M/s. APEMC

BMWM AUTHORISATION

(Rule 10 of the Bio-Medical Waste Management Rules, 2016)

M/s. Vasishta Environ Care, AnakapalliDistrict is hereby granted an authorization to operate a facility for collection, reception, storage, transport and disposal of Biomedical Waste for the following Mandals in Visakhapatnam, ASR and AnakapalliDistricts.

Part of the ASR district(Covered Mandals)	Part of theVisakhapatnam district (Covered Mandals)
Anhagiri	Areas of Seethammadhara mandal: Allipuram Dondaparthy
Arukuvelley	Mulagada
Chinthapalli	Gopalapatnam
Dumriguda	Pendurthi
GK Veedhi	Gajuwaka
G.Madugula	Pedagantyada
Hukumpeta	
Munchigput	
Paderu	
Pedabayalu	
Koyyuru	

Anakapallidistrict(Covered Mandals)	
Anakapalli	Rambilli
Devarapalli	Narsipatnam
Cheedikada	Nathavaram
V.Madugula	Kotaurtla
Bhutchiyyapeta	Golugunda
Chodavaram	Nakkapalli
K.Kotapadu	S. Rayavaram

Sabbavaram	Payakaraopeta
Parawada	Makaravapalem
Munagapaka	Rolugunta
Kasimkota	Yelamanchili
Atchutapuram	Ravikamatam

This order is valid to collect, transport, treat and scientific disposal of Bio-medical Waste generated from the Health Care Establishments located in the above areas in accordance with the Bio-Medical Waste (Management & Handling) Rules, 2016 & its amendments and Guidelines for Common Bio-Medical Waste Treatment and Disposal Facility issued by Central Pollution Control Board.

This order is subject to the provisions of 'the Acts' and 'the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A, B C & D enclosed to this order.

This combined order of Consent, Hazardous Waste Authorization & Bio-medical Waste Authorization shall be valid for a period ending with the **5 years i.e., 28.02.2029.**

B SREEDHAR IAS, MS(BS), O/o MEMBER SECRETARY-APPCB

To
M/s. Vasishta Environ Care,
Plot No 27A25, De-notified Area AP SEZ,
Atchutapuram, Rambilli (M),
Anakapalli District (Erstwhile Visakhapatnam)

Copy to:

1. The Joint Chief Environmental Engineer, Zonal Office, **Visakhapatnam** for information and necessary action.
2. The Environmental Engineer, Regional Office, **Visakhapatnam**for information and necessary action.

ANNUXERE-12

Environmental Day Celebrations

World Earth day- April-22

World environment day-June-5

World Ocean day-June-8

World conservation day-July-28

ANNUXERE-12

CONTRACT OF INSURANCE

INSURED NAME: ADANI GANGAVARAM PORT LIMITED

INSURER: IFFCO TOKIO General Insurance Company Limited

Policy Type - Public Liability - Act

Policy Period - (15/09/2025 to 14/09/2026)

Servicing Branch :	AHMEDABAD
Policy Issuing Office :	IFFCO TOKIO GEN INSU. CO. LTD. Ground Floor, IFFCO Bhavan Bh Maruti Arcade, Shivranjani Cross Rd, Satellite AHMEDABAD , GUJARAT - 380015 , GSTIN - 24AAACI7573H1ZI
Issuing Office GSTIN :	24AAACI7573H1ZI
Corporate Office :	IFFCO TOKIO GEN INSU. CO. LTD.4th - 5th Floor, IFFCO TowersPlot No 3, Sector 29, GURGAON (HARYANA) - 122001
Policy No :	41107066
Unique Invoice No :	41107066
Invoice Date :	17/09/2025
SAC :	997139
Intermediary Details :	ACE INSURANCE BROKERS PVT LTD

UIN : IRDAN106P0004V01200102

Attaching & forming Part of policy no. 41107066

POLICY SCHEDULE CUM TAX INVOICE

Insured	ADANI GANGAVARAM PORT LIMITED	
GSTIN	37AAVCA4772D1ZB	
Address	GANGAVARAM PORT LIMITED	
	GANGAVARAM POST	
	PEDAGANTYADA,	
	VISAKHAPATNAM	
	GVMC (PART)	
	Pin Code	530044
Place of Supply	ANDHRA PRADESH	
CKYC Number	**********8149	
Contact No	******898	
Email	Me*********@adani.com	
Business Description	Port	
Policy Period	15/09/2025 - 14/09/2026	
Co Insurance Details	NA	
Limit of Liability	Cover	
	50,000,000 per occurrence and 150,000,000 in the aggregate	
Deductible	NA	
Territorial Limits	INDIA	
Jurisdiction	INDIA	
Turnover Details	INR 15,765,493,000	
Policy Type	Occurrence Based	
Premium	Premium Excluding Taxes:	INR 5,161.00
	CESS (0%):	INR 0.00
	GST	
	- SGST (0%):	INR 0.00
	- UGST (0%):	INR 0.00
	- CGST (0%):	INR 0.00
	- IGST (18%):	INR 928.98
	ERF Amount:	INR 5,161.00
	Total Premium / Invoice Value :	INR 11,251.00
GST Related Declarations	**Whether GST is Payable on Reverse Charge Basis- No** **We hereby declare that though our aggregate turnover in any preceding financial year from 2017-18 onwards is more than the aggregate turnover notified under sub-rule (4) of rule 48, we are not required to prepare an invoice in terms of theprovisions of the said sub-rule.**	
Other Terms and Conditions	All Other terms & conditions as per Policy Wordings attached.	

UIN : IRDAN106P0004V01200102

Attaching & forming Part of policy no. 41107066

Disclaimer:

The issuance of this Insurance Policy is subject to satisfactory verification of KYC documentation of the Client/ Policyholder as per IRDAI Master Circular dated 1st August 2022 on AML/ CFT. In case, if any discrepancy is found in KYC Verification of the Client/ Policyholder, it is agreed by the Client/ Policyholder to complete/ rectify the discrepancy found in the KYC documents/information for the generation of CKYC Number, failing which the policy will be considered ineffective/suspended/ cancelled and no claim will be payable under this Insurance Policy.

Toll Free: 1-800-103-5499; SMS "claim" to 56161 SAC Code: 9971 Regd. Office: IFFCO SADAN, C1 Distt Centre, Saket, New Delhi -110017 Corporate Identification Number (CIN) U74899DL2000PLC107621, IRDA Reg. No. 106 Consolidated Stamp Duty Deposited as per the order of Government of National Capital Territory of Delhi	For IFFCO-TOKIO General Insurance Co. Ltd Authorized Signatory

UIN : IRDAN106P0004V01200102

Attaching & forming Part of policy no. 41107066

POLICY FORM
(PUBLIC LIABILITY INSURANCE – ACT ONLY POLICY)

1. OPERATIVE CLAUSE

Whereas the Insured Owner, named in the Schedule hereto and carrying on business described in the said Schedule, has applied to IFFCO-TOKIO General Insurance Co. Ltd. (hereinafter called the Company) for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as per the provisions of the Public Liability Insurance Act and the rules framed thereunder.

NOW THIS POLICY WITNESSETH that subject to the terms, exceptions and conditions contained herein or endorsed hereon , the company will indemnify the insured owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling hazardous substances as provided for in the said act and the rules framed thereunder.

2. DEFINITIONS

a) “Act” unless otherwise specifically mentioned shall mean the Public Liability Insurance Act, 1991.

b) “Accident” means an accident involving a fortuitous or sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radio-activity.

c) “Handling” in relation to any hazardous substance, means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance.

d) “Hazardous Substance” means any substance or preparation which is defined as hazardous substance under the Environment (Protection) Act, 1986, and exceeding such quantity as may be specified, by notification, by the Central Government.

e) “Owner” means a person who owns, or has control over handling any hazardous substance at the time of accident and includes:-

(i) in the case of a firm, any of its partners;

(ii) in the case of an association, any of its members, and

(iii) in the case of a company, any of its directors, managers, secretaries or other officers who is directly in-charge of and is responsible to the company for the conduct of the business of the company.

(f) “Turnover” shall mean –

i) Manufacturing units – Annual Gross Sales including all levies and taxes.

ii) Godown/warehouse owners – Annual rental receipts.

iii) Transport Operators – Annual freight receipts

iv) Others – Annual gross receipts

3. EXCLUSIONS

This Policy does not cover liability:

(1) arising out of willful or intentional non-compliance of any Statutory Provisions.

(2) in respect of fines, penalties, punitive and/or exemplary damages.

(3) arising under any other legislation except in so far as is provided for in Section 8 Sub-Section (1) and (2) of the Act.

(4) arising out of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured’s control, care or custody.

(5) directly or indirectly occasioned by, happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not), civil war, rebellion, revolution, insurrection or military or usurped power.

(6) directly or indirectly caused by or contributed to by

a) ionizing radiations or contamination by radio activity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel.

b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof.

4. CONDITIONS

(1) The Insured Owner shall give written notice to the Company as soon as reasonably practicable of any claim made against the Insured Owner or any

specific event or circumstance that may give rise to a claim. The Insured shall immediately give to the Company copies of notice of application(s) forwarded by the Collector and all such additional information and or assistance that the Company may require.

(2) No admission, offer, promise or payment shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.

(3) The Company shall not be liable for any claims for relief made after five years from the date of occurrence of the accident.

(4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.

(5) If at the time of happening of any accident, resulting in a claim under this policy, there be any other insurance covering the same liability, then the Company shall not be liable to pay or contributes more than its ratable proportion of such liability.

(6) This Policy may be cancelled by the Insured Owner by giving 30 days notice in writing to the Company in which event the Company will retain premium at short period scale subject to there not having occurred an accident during the policy period which may give rise to a claim(s), failing which no refund of premium shall be allowable.

(7) This Policy may also be cancelled by the Insurer by giving 30 days notice in writing to the Insured Owner in which event the Company shall be liable to repay on demand a rateable proportion of the premium for the unexpired term from the date of cancellation.

(8) If the Company shall disclaim liability to the Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a competent court of law, then the claim for all practicable purposes shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.

(9) The Company shall not be liable to make any payment in respect of any claim if such claim shall be in any manner fraudulent or supported by any person on behalf of the Insured and/or if the insurance has been continued in consequence of any material mis-statement or non-disclosure of any material information by or on behalf of the Insured. In such a case, if the Company pays any amount to the claimant due to any statutory provisions, such amount shall be recoverable from the Insured.

(10) The Policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed thereunder or this Policy shall bear such specific meaning.

(11) Any dispute regarding interpretation of the terms, conditions and exceptions of this Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.

GRIEVANCE OR COMPLAINT

In case of any grievance, **We** can be contacted at:

Website: https://www.iffcotokio.co.in/customer-services/grievance-redressal
Toll free: 1800-103-5499
E-mail: support@iffcotokio.co.in
Courier: Chief Grievance Officer
IFFCO-Tokio General Insurance Co Ltd
IFFCO Tower, Plot no. 3
Sector -29, Gurgaon – 122001

For updated details of grievance officer, kindly refer the link
https://www.iffcotokio.co.in/customer-services/grievance-redressal.

Grievance may also be lodged at IRDAI Integrated Grievance Management System
- https://bimabharosa.irdai.gov.in/

adani
Ports and Logistics

Lr. No. AGPL/ENV/APPCB/TF/2025/029 **Date: 16.10.2025**

To
The Member Secretary,
Andhra Pradesh Pollution Control Board,
Paryavaran Bhavan, APIIC Colony Road,
Gurunanak Colony, Autonagar,
Vijayawada – 520 007.

A.P. POLLUTION CONTROL BOARD R.O. Ho Dt. Rd 16/10/25 AKHAPATNAM

Dear Sir,

Sub: AGPL – Directions of APPCB External Advisory Committee (Task Force) – Quarterly Compliance Report for the period from 1st July 2025 to 30th September 2025 – Submitted – Reg.

Ref: 1. CTO & HWA Order No. APPCB/VSP/113/CFO/HO/2009, dated 22.08.2024, valid up to 31.07.2029.

2. APPCB EAC (TF) Directions Order No. 755/ APPCB/ HO/ ECS/ OA571/ VSP/2023, dated 27.04.2023.

AGPL was directed to comply with the External Advisory Committee (Task Force) Directions issued in the 2nd reference and to furnish the compliance status on a quarterly basis until 100% compliance is achieved.

As per the EAC Directions, AGPL achieved 100% compliance by August 2023. AGPL has submitted the quarterly compliance status reports from 10.07.2023 to date. The Details of the submitted reports are as follows:

As per the directions of the External Advisory Committee (Task Force) of APPCB, AGPL has submitted the quarterly compliance status on the directions & the details are as below:

Sl. No.	Date of submission	Quarterly Period
1.	10.07.2023	April 2023 to June 2023
2.	05.10.2023	July 2023 to September 2023
3.	02.01.2024	October 2023 to December 2023
4.	04.04.2024	January 2024 to March 2024
5.	14.08.2024	April 2024 to June 2024
6.	18.10.2024	July 2024 to September 2024
7.	10.01.2025	October 2024 to December 2024
8.	15.04.2025	January 2025 to March 2025
9.	17.07.2025	April 2025 to June 2025

A.P. Pollution Control Board Regional Office, Visakhapatnam 16.10.25

We are hereby submitting the compliance status report for the period from July -25 to September 25 for your kind perusal.

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
Tel +91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com

Registered Office : Adani Corporate House, Shantigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

1. The environment monitoring measures adopted by AGPL are summarised:

a. Mechanical Dust Suppression System (MDSS)

Mechanical Dust Suppression System (MDSS) is mounted on each of the mobile hoppers. Plain water fog systems are provided at receipt points. A dry fog system is installed at the discharge point. The system consists of one water tank mounted on a hopper, two (1 working + 1 standby) pumps for each mobile hopper are provided.

Dust control is achieved by blending dust particles with finely atomized water droplets. The collision between the water droplets and dust particles plays an important role in the process of blending and heavier mass thus formed settles down to the source.

Plain water dust suppression has been considered for the top of the Mobile hopper & Truck receipt area discharge chute. The system has been designed to control dust nuisance of the working environment during un-loading of coal from Grab & at the peripheral location of discharge chute of belt feeder towards wagon or rake,

b. PLC based Mechanical Dust Control System:

AGPL provided PLC based Mechanical Dust Suppression System to control the fugitive emission from the dry bulk cargo storage areas i.e., coal and iron ore stockyards and handling areas.

The total area covered with the water sprinkler system of the facility is classified into seven sections or segments. Two types of sprinklers are provided in the water sprinkling

system. Water is sprayed through 176 no.of cannons. The cannons are operated in a cycle for the period of approximately 10 to 15 minutes per shift.

All the 8 sections shall be operated sequentially. The operation of MDSS will be 6 times per day during dry weather conditions and twice per day in the winter season.

There are two types of sprinklers/cannons. Type 1 sprinklers are 9.5mm/h and Type 2 sprinklers are 6mm/h respectively. The Type 1sprinkler line will be operated for 10 minutes and the Type 2 sprinkler line will be operated for 15 minutes. The sprinklers are mounted on sprinkler posts of 6 meters height. It enables uniform water sprinkling on stockpiles height of approximately 13 meters.

AGPL provided 176 numbers of sprinklers at stack yards. The throw distance is 50 meters at a working pressure of 6.0 kg/cm^2. The sprinklers are of the swiveling type.

Water will be sprayed over the stockpile through 1800 swiveling type (Part or half Circle) sprinklers mounted on pipe taping raised to a height of 2 to 2.5 meters above ground level with one solenoid valve & one butterfly valve. These are on both sides of the stockpile to effectively cover the entire stockpile area and form a blanket of mist and the mist captures the dust emissions that become heavier and settle down. The formed mist would not allow any dust to fly along with wind. The mist formation facilitates maintaining required moisture levels in the cargos and lasts for longer period.

- The water cannons cover a radius of approx. 50 meters & sprinkles waters up to 15 meters' height and rotate in 360^0 directions. The distance between two sprinklers is 100mts to cover total cargo stack area.

- Two dedicated Pump houses for DSS system with redundant circuit to meet 24X7 Dust control operations. Storage water reservoir level will be monitored online with PLC and

sensor systems. All DSS control systems are being monitored through SCADA from Central control room.

PLC based MDSS in the Yards

c. Dozing the Cargo spillages:

AGPL has been lifting the cargo spillages if any, during the transit within the Port.

d. Mobile Dust Suppression:

Deployed 20 Mobile DSS cannon mounted tankers for dust suppression at berth area, back up areas, at all transfer points & roads, for which AGPL is operating water pump houses at 8 Locations for water distribution throughout the Port through DSS Tankers.

Dust suppression through Tankers

e. Maintaining tarpaulin coverage on cargo heaps.

AGPL has been maintaining the tarpaulin covering on the cargos to the extent possible to avoid fugitive emissions.

f. Deployment of Road Sweeping Machines

Laid BT roads internally and 5 No. of sweeping machines were deployed for the cleaning of berths, back up areas and roads.

Road Sweeping machines **Road Sweeping machines**

The sweeping machines are being operated during nighttime also

g. Mechanical & Manual Cleaning of roads outside the Port

AGPL has been cleaning the internal roads including the operational areas & 4 Lane Road manually on regular basis in addition to the mechanical clearing (through Sweeping Machines) to avoid fugitive emissions.

h. Truck/Tarpaulin Covering:

- AGPL established 16 No. of semi mechanized truck tarpaulin covering stations at various locations within the Port to facilitate and ensure all the outgoing cargos by Trucks are covered with tarpaulin.
- AGPL ensuring that the tarpaulin is covered in all sides of the truck and tightly tied with rope so that the tarpaulin should not be uncovered while traveling until the truck reaches the destination without any transit spillage.

For this innovative invention, AGPL received "Industrial Safety Excellence Award – 2021 from the Confederation of Indian Industry (CII.)

CII Andhra Pradesh
Industrial Safety Excellence Awards 2021
CERTIFICATE OF RECOGNITION
THIS CERTIFICATE IS PRESENTED TO :
Gangavaram Port Limited
to recognise their innovation 'Tarpaulin Covering Stations' under the category 'Industrial Safety Innovation' at CII Andhra Pradesh Industrial Safety Excellence Awards for the year 2021.

i. Railway Wagon Tarpaulin Covering Station

AGPL established a semi mechanized railway wagon tarpaulin covering station at Silo location within the Port to facilitate and ensure all the outgoing cargo rakes are covered

with tarpaulin and tightly tied with rope so that the tarpaulin should not be uncovered while traveling until the wagon reaches the destination without any transit spillage.

j. Truck Tyre Washing Facility

Provided 2 no. of automatic sensor-based truck/tyre washing facilities to ensure two stage wheels washing of all the outgoing vehicles to avoid dust passage on to outside roads.

k. Specific measures towards Habitation:

Erected wind breaking walls towards Gangavaram village and HB Colony to prevent any dust transfer to habitation and a thick green belt developed supporting to the wind breaking wall, 10 layers in North-West direction to arrest the dust emissions to the villages.

Wind breaking wall towards HB Colony & Gangavaram (V)

Plantation at - GPL Site Office & all along North boundary wall side plantation supporting Wind screen towards Gangavaram village, towards Kongapalem & Venkannapalem Villages

Shot on OnePlus

ANNEXURE-16

NABL 3rd Party ENVIRONMENTAL MONITORING

AGPL has engaged an NABL-accredited third-party agency to carry out comprehensive environmental monitoring as per statutory requirements. The monitoring covers key environmental parameters within the port and surrounding areas, ensuring compliance with APPCB norms. The results of these assessments have been systematically compiled and submitted to the APPCB Regional Office monthly. This report includes the consolidated findings for the last six months (April 2025 to September 2025), and the detailed results are attached for reference.

i. As per the condition no.14 stipulated in Schedule – B of CTO Order dated 22.04.2024 under Air Pollution.

The facility shall maintain 4 CAAQMs with online connectivity to APPCB and maintain records.

Complying with the Consent Condition, AGPL established & operating 4 No. of Continuous Ambient Air Quality Monitoring stations within the Port premises, at the below mentioned locations as suggested by APCB vide letter dated 02.03.2019 to monitor the parameters viz., PM 10, PM 2.5, SO_2, NO, NO_2, CO and the data is being uploaded to APPCB website &the parameter values are meeting the Board standards. April to Sep-25 NABL-3rd party Environmental results data as attached Annexure-9.

Downwind directions towards habitation

a. Administrative office towards H.B. Colony (Station 1):
b. Project site office building towards Venkannapalem (Station2)
c. Watch tower – 4 towards Gangavaram village (Station-3).

Upwind direction towards RINL

d. Near Silo House (upwind directions) – Statin - 4

In addition, APPCB also conducts the Ambient Air Quality Monitoring within and outside the Port area during the statutory inspections & randomized inspections periodically through Mobile CAAQM Station. The parameter values meet the Board standards.

ii. As per the condition no.35 stipulated in Schedule – B of CTO Order dated 22.04.2024 under General Conditions

The facility shall comply with the conditions stipulated in the EC order dt.24.12.2021 issued by the MoEF, CC & GoI & CTE orders dated 02.03.2012 & 16.08.2022 and CTO orders dated 13.01.2016, 22.08.2023 issued by APPCB.

To meet the compliance status of the conditions stipulated EC, CTE & CTO orders, AGPL shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the project area at least at four locations, covering upwind and downwind directions.

Monitoring of air quality in the settlement areas around the project site at four locations, covering upwind and downwind directions, at the following locations within 1 KM Radius of Port Boundary covering all the habitation areas falling in the down wind direction.

i. At Silo Gate –upwind - South – West direction from Port.
ii. Near to Novus Residential Apartment – West wind direction from Port
iii. Near to Pedagantyada Jn. – North - West wind direction from Port.
iv. Near /at Gangavaram (V) – North wind direction from Port.

As per the CPCB Guidelines for the Measurement of Ambient Air Pollutants – Manual Sampling & Analysis, the frequenting is as below:

iii. Monitoring frequency as per CPCB Guidelines for the Measurement of Ambient Air Pollutants – Manual Sampling & Analysis

Sl. No.	Parameter	Time Weighted Average	Concentration in Ambient Air for industrial, residential, rural & other areas.	Method of Measurement
1.	Particulate Matter (Size Less than 10 µg/m^3 or PM 10 µg/m^3	Annual* 24 Hours**	60 100	- Gravimetric - TEOM - Beta attenuation
2.	Particulate Matter (Size Less than 2.5 µg/m^3 or PM 2.5 µg/m^3	Annual* 24 Hours**	40 60	- Gravimetric - TEOM - Beta attenuation
3.	Sulphur Dioxide (SO_2), µg/m^3	Annual* 24 Hours**	50 80	- Improved West and Gaeke Method - Ultraviolet Florescence
4.	Nitrogen Dioxide (NO_2), µg/m^3	Annual* 24 Hours**	40 80	- Jacob &Hochheiser modified (NaOH-$NaAsO_2$) Method - Gas Phase Chemiluminescence
5.	Carbon Monoxide (CO) mg/m^3	8 Hours* 1 Hour**	02 04	- Nondispersive Infrared (NDIR) Spectroscopy
*	Annual Athematic means of minimum 104 measurements in a year at a particular site taken twice in a week 24 hourly at uniform intervals.			
**	24 hourly or 8 hourly or 1 hourly monitored value, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.			
i.e.,	416 Monitoring samples			

i. To install and operate equipment to monitor the Ambient Air Quality at the above locations and to note the values of parameters PM 10, PM 2.5, SO_2, NO_2, CO on 24-hour basis twice in a week for a period of one year.

ii. All the surrounding activities viz., vehicular movement, construction activity, garage activities, commercial establishment & industrial activities to be clearly noted & considered while monitoring,

iii. The recorded raw data is to be furnished within 2 days after completion of the monitoring.

iv. The reviewed data/values to get certified by a Retired Professor of Andhra University.

v. The duly certified final data soft & hard copies to be submitted within 4 days after review of the raw data.

iv. Benefits of the study:

Conducting Ambient Air Quality (AAQ) monitoring within human settlements near port operations will have the following benefits:

i. **Air pollution assessment:** Measures the impact of port activities on local air quality, identifying potential pollution hotspots.

ii. **Compliance monitoring:** Verifies whether port operations meet regulatory air quality standards, ensuring environmental compliance.

iii. **Source apportionment:** Upwind and downwind monitoring helps distinguish between port-related emissions and other local sources.

iv. **Impact mitigation:** Informed decision-making for reducing emissions and implementing control measures to minimize air pollution effects.

v. **Environmental management:** Integrates air quality monitoring into port operations, promoting sustainable practices and environmental responsibility.

vi. **Community engagement:** Transparency and awareness about air quality issues, fostering collaboration between port authorities, residents, and stakeholders.

vii. **Health risk evaluation:** Helps assess the exposure of nearby communities to harmful air pollutants, enabling health risk assessments and mitigation strategies.

viii. **Data-driven policy making:** Provides valuable data for policymakers to develop targeted regulations and air quality management plans.

By monitoring AAQ in both upwind and downwind directions within a 1 km radius will help a comprehensive understanding of port operations' impact on local air quality, enabling proactive measures to protect public health and the environment besides meeting the statutory compliance.

Study/Monitoring Locations google map:

A. Locations of the study

Location – 1 - Near Gangavaram village

- North Direction
- Latitude – 83°13'59.71"E (17.644804)
- Longitude – 83°13'59.71"E (83.233254)

- **Location Status at Gangavaram (V)**

- Located towards North-West and in the downwind direction from the Port
- Residential area nearest to Port Boundary with Vehicular movement, Construction& Commercial activities

Location – 2 - Near Novus Apartments

- West Direction
- Latitude – 17°39'57.00"N (17.665834) &
- Longitude – 83°11'17.78"E (83.188273)
- Located towards Southern and in the downwind direction from the Port

Location Status around Novus Apartments

- Common road for AGPL, RINL, and the industries located in Pedagantyada Industrial Park and public.

- Establishment & operation of garages, fly ash brick units throughout the Port Road both sides up to "Y" Jn.

Location – 3 - Near Pedagantyada village.

- West - North Direction
- Latitude – 17°40'8.65"N (17.669069)
- Longitude – 83°12'27.32"E (83.207588)

Location Status at Pedagantyada (V)

- Located towards Western and in the downwind direction from the Port

- Industrial, Commercial &Residential area nearest to Port with heavy Vehicular movement, Construction& Commercial activities

- Common road for AGPL, RINL, and the industries located in Pedagantyada Industrial Park and public.

- About 20 no. of major & medium scale Red, Orange & Green category of industries including one CFS Facility are in operation in Pedagantyada Ancillary Industrial Area

- **Outside the Port Boundary Near to AGPL SILO**.
- South - West Upwind direction
- Latitude – 17°37'51.39"N (17.630942) Longitude – 83°13'4.16"E (83.217822)
- **Location Status near to AGPL Silo**

- Located towards Eastern and in the upwind direction from the Port

- Barren land followed by Public Sector Industry (RINL) is in the upwind direction of the Port

As per the Ambient Air Quality monitoring process conducted within the human settlements, covering both upwind and downwind directions within the 1.0 KM radius of the Port operations, the results provided valuable insights into the current state of air quality in the monitored area indicates that all criteria pollutants, including particulate matter (PM10 and PM2.5), sulfur dioxide (SO2), carbon monoxide (CO), and ozone (O3), are well within the prescribed limits at all locations and times, demonstrating a high level of air quality compliance.

Environmental Monitoring Programme in AGPL

As per the statutory guidelines AGPL appointed an authorized 3rd party NABL agency, for continuous monitoring of the environmental parameters of the Port as well as and port surroundings.

Sl. No.	Particulars	Monitoring Frequency	Monitoring Parameters
1.	**Ambient Noise Levels dB (A)** - 4 locations	**(**Fortnightly)	
	1 1. Cargo handling area 2. Gangavaram	3. Peda Gantyada/GPL Security Gate 4. HB Colony	
2.	**Ground / Surface Water**		
	1) Two locations 1. Gangavaram 2. North Boundary Wall Open well	Monthly	As per the parameters specified by CPCB/APPCB
	Parameters - Temperature, pH, Total Hardness, Calcium (as Ca), Magnesium (as Mg), Chlorides, Manganese, Copper, Total Alkalinity, Total Dissolved Solids, Sulphate, Dissolved Oxygen, Nitrite (as NO_2), Iron, Fluoride, Oil & Grease, Chromium (as Cr^{+6}), Cyanide, Zinc, Phenolic Compound, Free Residual Chlorine, Total Coli forms Count & E.coli		
3.	**STP (Inlet & Outlet)**	Fortnightly	
	Physico – chemical Parameters - pH, Total Suspended Solids, Total Dissolved Solids, Oil & Grease, COD, BOD & Chloride.		
4.	**Sewage water (GVMC) entering into the Port waters from outide the port boundary**	**Monitoring Frequency**	
	1 Gangavaram (V) at Culvert – 11 **2** Kanithi gedda nalla near Visakhapatnam Steel Plant	Monthly	
	Physico-chemical Parameters – pH, Total Suspended Solids, Total dissolved Solids, Oil & Grease, COD, BOD, Ammonical Nitrogen, Phenolic Compounds, Nitrate, Nitrite, Sulphide, Phosphate, Cyanide, Iron, Aluminium, Copper, Chromium, Zinc, Lead, Manganese, Nickel, Mercury & Cadmium		

A. <u>Noise Monitoring</u>

Noise monitoring is being carried out fortnightly as per the statutory regulations for the four locations and the reports are well within the statutory limits and the same are being submitted to the APPCB monthly.

1. Cargo handling area (as source),
2. Gangavaram
3. Peda Gantyada/Security Gate,
4. HB colony

At HB Colony At Gangavaram (V) At Port operational area At Port Main Gate

S. No.	Parameter	Unit	Location	**Industrial**	
1.	Noise Level	Decibels	Cargo area	**Day time** (6.00 AM to 10 PM) 75 dB (A)	**Night time** (10.00 PM to 6.00 AM) 70 dB (A)
2.		Decibels	Peda Gantyada/ Security Gate		
Day time			**Night time**	**Residential**	
3.	Noise Level	Decibels	Gangavaram	55 (6.00 AM to 10 PM) 75 dB (A)	45 (6.00 AM to 10 PM) 75 dB (A)
4.		Decibels	HB Colony		

Results

Month	Time	Location			
		Cargo area	Gangavaram	Peda Gantyada/ GPL Security Gate	HB Colony
April 2025	Day	72	48	68	50
	Night	62	36	54	42
May 2025	Day	74	46	68	48
	Night	62	38	56	40
Jun 2025	Day	72	53	64	46
	Night	64	42	56	41
July 2025	Day	76	51	62	48
	Night	61	40	54	42
August2025	Day	72	54	64	51
	Night	65	45	51	41
September 2025	Day	70	49	68	51
	Night	64	42	53	40

B. Surface & Ground water monitoring

As per the statutory regulations & requirement, Surface & Ground water quality is being monitoring by AGPL on monthly basis at Gangavaram (Village) and reports being submitted to the APPCB, and to MoEF & CC along with Half-yearly EC Compliance

1. Gangavaram (Village)
2. North Boundary Wall (NBW) open well.

Open well at Gangavaram (V)

Bore well at Gangavaram (V)

Results

Open well at Gangavaram (V)									
S. No.	**Parameter**	Limit IS:10500	**Unit**	**Apr-25**	**May-25**	**Jun-25**	**Jul-25**	**Aug-25**	**Sep-25**
1	Temperature	15-30	°C	29.2	29.4	29.2	31	31.8	30.9
2	pH	6.5-8.5	H+ concen.	7.56	7.62	7.36	7.23	7.28	739
3	Electrical Conductivity @25		µs/cm			704	710	715	729
4	Total Dissolved Solids	500-2000	mg/l	408	446	452	460	462	479
5	Total Alkalinity	200-600	mg/l	142	136	136	140	146	158
6	Total Hardness	300-600	mg/l	224	236	218	190	198	185
7	Calcium (as Ca)	75-200	mg/l	48	40	78	76	72	69
8	Magnesium (as Mg)	30-100	mg/l	24	24	34	33	30.6	31.2
9	Chlorides	250-1000	mg/l	46	46	356	224	244	248
10	Sulphate	200-400	mg/l	46	42	118	106	106	110
11	Iron	0.3-1.0	mg/l	0.18	0.18	0.26	0.24	0.22	0.19
12	Fluoride	0.5-1.0	mg/l	0.7	0.7	0.58	0.51	0.5	0.48
13	Nitrite (as NO_2)	0-1.0	mg/l	0.014	0.014	0.24	0.2	0.2	0.18
14	Phosphates	<1	mg/l			1.6	0.84	1.2	1
15	Dissolved Oxygen	>4	mg/l			1.8	5.9	5.6	5.2
16	Oil & Grease	0-0.01	mg/l	BDL	BDL	<1	<1	<1	<1
17	Phenolic Compound	0-0.002	mg/l	NIL	Nil	<0.2	<0.05	<0.2	<0.2
18	Free Residual Chlorine	0.2	mg/l	0	0	0	0	0	0.1
19	Manganese	0.1-0.5	mg/l	0.02	0.04	<0.05	<0.05	<0.05	<0.05
20	Copper	0.05-1.5	mg/l	0.018	0.018	0.03	0.02	0.03	0.02
21	Chromium - (as Cr+6)	0.05-0.05	mg/l	0.02	0.02	<0.01	<0.01	<0.01	<0.01
22	Cyanide	0-0.05	mg/l	NIL	Nil	<0.005	<0.005	<0.005	<0.005
23	Zinc	0.1-5.0	mg/l	0.6	0.8	0.82	0.8	0.82	0.79
24	Total Coli forms Count	Absent	CFU/100ml	Absent	Absent	220	130	8	17
25	E.coli	Absent	Cfu/ml	Absent	Absent	124	106	Absent	Absent

Bore well at Gangavaram (V)									
S. No.	Parameter	Limit IS:10500	Unit	**Apr-25**	**May-25**	**Jun-25**	**Jul-25**	**Aug-25**	**Sep-25**
1	Temperature	15-30	°C	29.4	29.8	31.6	32.4	31.9	30.9

2	pH	6.5-8.5	H+ concen.	7.86	7.46	7.41	7.51	7.62	7.79
3	Electrial Conductivity @25		µs/cm			751	755	760	779
4	Total Dissolved Solids	500-2000	mg/l	426	468	482	490	495	392
5	Total Alkalinity	200-600	mg/l	126	130	206	168	192	198
6	Total Hardness	300-600	mg/l	282	268	242	180	225	236
7	Calcium (as Ca)	75-200	mg/l	58	42	84	72	70	74
8	Magnesium (as Mg)	30-100	mg/l	26	20	38	28	27	29
9	Chlorides	250-1000	mg/l	120	128	294	241	238	248
10	Sulphate	200-400	mg/l	48	40	86	89	98	102
11	Iron	0.3-1.0	mg/l	0.16	0.14	32	0.35	0.31	0.28
12	Fluoride	0.5-1.0	mg/l	0.4	0.4	0.4	0.39	0.28	0.14
13	Nitrite (as NO_2)	0-1.0	mg/l	0.08	0.08	0.36	0.32	0.54	0.45
14	Phosphate	<1	mg/l			0.6	0.5	0.8	0.7
15	Dissolved Oxygen	>4	mg/l			4.2	5.4	5.6	5.6
16	Oil & Grease	0-0.01	mg/l	BDL	BDL	<1	<1	<1	<1
17	Phenolic Compound	0-0.002	mg/l	Nil	Nil	<0.2	<0.05	<0.2	<0.2
18	Free Residual Chlorine	0.2	mg/l			0	0	0	<0.18
19	Manganese	0.1-0.5	mg/l	0.006	0.008	<0.05	<0.05	<0.05	<0.05
20	Copper	0.05-1.5	mg/l	0.014	0.016	<0.02	<0.02	<0.02	<0.02
21	Chromium - (as Cr+6)	0.05-0.05	mg/l	0.06	0.08	<0.01	<0.01	<0.01	<0.01
22	Cyanide	0-0.05	mg/l	Nil	Nil	<0.005	<0.005	<0.005	<0.005
23	Zinc	0.1-5.0	mg/l	426	468	0.34	0.34	0.36	0.42
24	Total Coli forms Count	Absent	CFU/100ml	Absent	Absent	86	0.6	12	20
25	E.coli	Absent	Cfu/ml	Absent	Absent	14	Absent	Absent	Absent

C. Sewage Water Monitoring:

AGPL is monitoring the Sewage water of the following locations:

1. Gangavaram (V) at Culvert – 11
2. Kanithi gedda nalla near Visakhapatnam Steel Plant

Results

S. No.	Parameters	Unit	Standard	Culvert -11					
				Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25
1.	Temparature	°C	20-30	29.4	29.6	28.9	29.1	28.7	29.4
2.	pH	H+Conc	5.0 – 9.0	6.48	6.40	5.94	6.12	6.65	6.98
3.	Total Suspended Solids	mg/l	10-100	126	128	462	452	460	395
4.	T DS@180 °C	mg/l	500-2000	1284	1420	2840	2830	2654	2254
5.	Oil & Grease	mg/l	01-10	3.8	3.8	9.2	9.4	9.4	8.9
6.	COD	mg/l	50-250	242	248	412	410	410	425
7.	BOD @27 °C	mg/l	03-30	38.6	36.6	124	122	112	118
8.	Ammonia Nitrogen	mg/l	50	3.4	3.8	18.6	18.0	13.6	13.9
9.	Phenolic Compounds	mg/l	1.0	0.8	0.1	<0.05	<0.05	<0.05	<0.05
10.	Nitrate	mg/l	50	30	34	12.4	12.6	14.5	18.9
11.	Nitrite	mg/l	0-1.0	0.4	0.2	1.8	1.6	1.5	1.9
12.	Sulphate	mg/l	0-1.0	0.8	0.8	202	204	210	219
13.	Phosphate	mg/	5.0	3.4	3.2	5.8	5.6	5.2	5.9
14.	Cyanide	mg/	0.2	Nil	Nil	<0.05	<0.05	<0.05	<0.05
15.	Iron	mg/	3.0	1.0	1.0	0.62	0.64	0.60	0.62
16.	Aluminium	mg/	2.0	0.4	0.4	0.86	0.82	0.95	0.81
17.	Copper	mg/	3.0	0.8	0.6	0.12	0.10	0.12	0.10
18.	Chromium	mg/	2.0	0.4	0.4	<0.05	<0.05	<0.05	<0.05
19.	Zinc	mg/	0.1-5.0	1.6	1.0	1.2	1.4	1.6	1.8
20.	Lead	mg/	0-0.1	0.02	0.02	0.14	0.12	0.12	0.14
21.	Manganese	mg/	2.0	0.6	0.6	0.09	0.05	0.06	0.05
22.	Nickel	mg/	3.0	0.4	0.4	0.64	0.56	0.54	0.52

23.	Mercury	mg/	0-0.01	<0.04	<0.04	<0.001	<0.001	<0.001	<0.001
24.	Cadmium	mg/	0-2.0	<0.02	<0.02	<0.005	<0.005	<0.005	<0.005

S. No.	Parameters	Unit	Standard	Kanithi geddanalla Near M/s. Visakhapatnam Steel Plant					
				Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25
1.	Temparature	^{0}C	20-30	29.2	29.8	29.5	29.7	28.7	29.5
2.	pH	H+Conc	5.0 – 9.0	5.68	6.02	6.08	6.52	6.98	6.89
3.	Total Suspended Solids	mg/l	10-100	214	226	289	296	285	278
4.	Total Dissolved Solids @180 ^{o}C	mg/l	500-2000	3632	4012	1148	1162	1189	1259
5.	Oil & Grease	mg/l	01-10	5.6	4.8	18.2	10.6	10.2	9.8
6.	COD	mg/l	50-250	416	426	562	540	525	532
7.	BOD @27 ^{o}C	mg/l	03-30	72	84	186	172	168	110
8.	Ammonia Nitrogen	mg/l	01-05	0.6	3.2	26.2	24.6	24.2	27.2
9.	Phenolic Compounds	mg/l	0-0.002	0.1	0.1	0.06	0.08	0.06	0.08
10.	Nitrate No_3	mg/l	10-20	34	38	6.8	7.0	7.8	6.9
11.	Nitrite No_2	mg/l	0-1.0	0.4	0.4	2.4	2.6	2.2	2.4
12.	Sulphate so_4	mg/l	0-1.0	0.6	0.8	142	140	120	128
13.	Phosphate	mg/	0.5-2.0	1.4	1.2	4.4	4.2	4.1	4.7
14.	Cyanide	mg/	0.0-05	Nil	Nil	<0.05	<0.05	<0.05	<0.05
15.	Iron	mg/	0.3-1.0	1.0	1.2	0.8	0.6	0.8	0.7
16.	Aluminium	mg/	0.03-0.2	1.0	1.0	1.2	1.0	1.6	1.0
17.	Copper	mg/	0.05-1.5	1.2	1.2	0.08	0.06	0.01	0.07
18.	Chromium	mg/	0.05-0.05	1.0	1.0	<0.05	<0.05	<0.05	<0.05
19.	Zinc	mg/	0.1-5.0	2.2	2.0	0.48	0.42	0.40	0.44
20.	Lead	mg/	0-0.1	0.06	0.04	0.06	0.03	0.05	0.04
21.	Manganese	mg/	0.1-0.5	1.0	1.0	0.32	0.31	0.36	0.39
22.	Nickel	mg/	0.02-0.1	1.2	1.0	0.14	0.12	0.14	0.21
23.	Mercury	mg/	0-0.001	0.001	0.001	<0.001	<0.001	<0.001	<0.001
24.	Cadmium	mg/	0-0.05	0.006	0.006	<0.005	<0.005	<0.005	<0.005

D. <u>Marine water /sediment monitoring</u>

The marine water and sediment quality monitoring is being carried out fortnightly basis of tidal sampling for the Four locations as

1. Harbor Basin
2. Port entrance channel
3. South break wall outside
4. North break wall outside

Physical, chemical, and biological parameters were analyzed for water as well as for sediment to assess the quality and the same is being submitted to the APPCB. The reports are indicating that the waters are not having any noticeable contamination

Marine Waters Monitoring Locations

S. N	Location	Activity	Latitude	Longitude
1.	Harbour Basin	Marine Monitoring / Sample Collection	17°37'15.24"N	83°14'9.24"E
2.	Port Entrance Channel		17°37'34.32"N	83°14'42.36"E
3.	North Break Water		17°37'48.00"N	83°14'53.16"E
4.	South Break Water		17°37'15.24"N	83°14'51.36"E

Sl. No.	**Particulars**		**Monitoring Frequency**	**Monitoring Parameters**
1.	**Water**			
	A	**Marine Water Quality**	Fortnightly	
	1	Tidal sampling at 4 locations - Marine water (Low Tide/High Tide)		
		1. Harbour basin, 2. Port entrance channel,	3. Outside the South brake wall 4. Outside the North break wall	
	1.	**Physical Analysis – (Low Tide & High Tide)**		
		Parameters - Temperature, pH, Salinity, Turbidity, Total Suspended Solids, Transparency & Electrical Conductivity,		
	2.	**Chemical Analysis - (Low Tide & High Tide)**		
		Parameters - Dissolved Oxygen, Biological Oxygen Demand, Oil & Grease, Sulphate, Nitrate, Chloride, Chromium, Mercury, Zinc, Iron, Manganese, Cadmium		
	3.	**Marine Biological Analysis**		
	a.	**Phytoplankton**	(b) **Zooplankton**	
	B.	**Sediment**		
		Physico-chemical Parameters - pH, Organic matter, Nitrate, Phosphate, Oil & Grease, Iron, Manganese, Nickel, Chromium, Mercury, Zinc, Lead, Arsenic, and Selenium & Copper.		
		Sediment – Benthic Faunal Diversity		

Marine waters Low Tied & High Tide Physical parameters sampling values for the period from April 2025 to September-2025

Location wise Low Tide values for April 2025										
S. No.	Parameter	Unit	Harbour Basin		Port Entrance Channel		South Break Wall Outside		North Break Wall Outside	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1.	Temperature	^{0}C	29.2	29	28.9	29.4	29.6	29	28.9	28.4
2.	pH	H + conc	8.24	8.2	8.22	8.18	8.24	8.18	8.2	8.22
3.	Salinity	%	34	34	34	33	34	34	33	33
4.	Turbidity	NTU	14	10	12	8	12	16	10	14
5.	TSS	mg/l	38	32	40	36	26	22	18	24
6.	Transparency	Mts.	1.4	1.6	1.4	1.8	1	1.2	1.6	1.8
7.	Electrical Conductivity	mMHo	38.4	37.8	37.2	38	37.4	38	37.6	37.2

Location wise Low Tide values for May 2025										
S. No.	Parameter	Unit	Harbour Basin		Port Entrance Channel		South Break Wall Outside		North Break Wall Outside	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1	Temperature	^{0}C	30.7	31.0	30.9	31.0	30.7	31.0	30.9	31.0
2	pH	H + conc	8.07	8.14	8.0	8.05	8.08	8.17	8.14	8.10
3	Salinity	%	30	31	30	31	30	31	30	30
4	Turbidity	NTU	0	01	0	01	06	10	08	04
5	TSS	mg/l	08	12	10	06	10	6	4	8
6	Transparency	Mts.	1.0	1.2	1.4	1.8	1.4	1.2	1.6	1.4
7	Electrical Conductivity	mMHo	26.4	23.0	26.5	23.0	22.9	26.5	23.0	26.5

Location wise Low Tide values for June 2025										
S. No.	Parameter	Unit	Harbour Basin		Port Entrance Channel		South Break Wall Outside		North Break Wall Outside	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1.	Temperature	^{0}C	29.4	30.2	30.4	29.4	32.8	30.6	30.2	29.6
2.	pH @25^{0}c	H + conc	8.01	8.08	7.99	8.28	8.23	8.28	8.17	8.29
3.	Salinity	psu	32.4	35.1	32.6	35.4	34.6	34.9	33.6	34.4
4.	Turbidity	NTU	5	1	5	1	5	1	5	1
5.	Total Suspended Solids	mg/l	56.2	48.2	72.8	52.4	82.4	36.2	74.8	44.2
6.	Transparency	Mts.	0.6	2.2	0.6	1.4	1.4	2.81	1.4	4.8
7.	Electrical Conductivity	mMHo	38.6	42.4	48.9	54.2	47.2	58.3	64.4	59.6

Location wise Low Tide values for July 2025										
S. No.	Parameter	Unit	Harbour Basin		Port Entrance Channel		South Break Wall Outside		North Break Wall Outside	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1.	Temperature	^{0}C	29.8	30.5	30.5	29.8	33.5	30.8	30.4	28.8
2.	pH @25^{0}c	H + conc	8.05	8.09	8.02	8.25	8.21	8.06	8.19	8.26
3.	Salinity	%	33.8	36.1	32.2	35.8	34.2	35.8	33.5	35.1
4.	Turbidity	NTU	5	1	5	1	5	1	5	1
5.	Total Suspended Solids	mg/l	53.3	45.0	76.0	65.0	48.0	21.0	72.0	54.0
6.	Transparency	Mts.	0.8	2.4	0.8	1.6	1.8	2.6	1.8	4.6
7.	Electrical Conductivity	mMHo	40.2	43.4	49.8	55.2	46.8	49.5	62.6	60.6

Location wise Low Tide values for August 2025										
S. No.	Parameter	Unit	Harbour Basin		Port Entrance Channel		South Break Wall Outside		North Break Wall Outside	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1.	Temperature	^{0}C	29.5	30.6	30.2	29.4	31.9	30.5	30.6	29.2
2.	pH @25^{0}c	H + conc	8.05	8.08	8.01	8.21	8.22	8.31	8.19	8.28
3.	Salinity	psu	32.2	35.0	32.5	34.8	34.2	35.1	33.8	34.9
4.	Turbidity	NTU	5	1	5	1	5	1	5	1
5.	Total Suspended Solids	mg/l	46.0	38.0	62.0	51.0	72.0	41.0	71.0	54.0
6.	Transparency	Mts.	0.6	2.2	0.4	1.2	1.6	2.8	1.2	4.8
7.	Electrical Conductivity	mMHo	39.2	42.8	48.6	52.2	46.8	49.5	62.2	54.5

Location wise Low Tide values for September 2025										
Sl. No.	Parameter	Unit	Harbour Basin		Port Entrance Channel		South Break Wall Outside		North Break Wall Outside	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1.	Temperature	^{0}C	29.2	30.5	31.8	29.8	31.6	30.9	31.2	29.8
2.	pH @25^{0}c	H + conc	7.89	8.05	8.02	8.25	8.19	8.26	8.23	8.26
3.	Salinity	psu	33.5	34.1	33.9	34.9	34.8	34.7	32.8	34.1
4.	Turbidity	NTU	5	1	5	1	5	1	5	1
5.	Total Suspended Solids	mg/l	51.0	47.0	60.0	48.0	63.0	46.0	68.0	54.2
6.	Transparency	Mts.	0.7	2.1	0.8	1.6	1.8	2.6	1.8	4.5
7.	Electrical Conductivity	mMHo	39.8	41.8	46.5	21.5	48.2	51.9	59.5	64.6

Marine waters Low Tied & High Tide Chemical parameters sampling values for the period from April – 2025 to September-2025

April – 2025										
Sl. No	**Parameter**	**Unit**	**Harbor Basin**		**Port Entrance Channel**		**South brake Wall Outside**		**North brake Wall Outside**	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1	Sulphate as So_4	mg/l	916	896	864	956	868	914	926	834
2	Phosphate as Po_4	mg/l	0.46	0.38	0.26	0.24	0.36	0.42	0.38	0.46
3	Nitrate as No_3	mg/l	4.4	5.6	4.8	3.2	4.0	4.6	3.8	4.0
4	Nitrite asNo^2	mg/l	0.068	0.2	0.038	0.060	0.018	0.024	0.016	0.02
5	Chloride Cl	mg/l	19246	18938	20142	19682	17845	19436	18684	20368
6	Iron	mg/l	0.02	0.022	0.018	0.024	0.022	0.02	0.018	0.026
7	Dissolved Oxygen	mg/l	4.0	3.8	3.6	4.0	4.4	4.0	3.8	4.0
8	BODemand 3 days @27^{o}c	mg/l	1.8	1.4	1.8	1.6	2.0	1.4	1.6	1.8
9	Oil & Grease	mg/l	1.0	0.8	1.0	1.2	1.0	1.0	1.2	1.0
10	Chromium	mg/l	0.02	0.022	0.024	0.018	0.018	0.024	0.026	0.02
11	Mercury	mg/l	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
12	Zinc	mg/l	0.24	0.28	0.20	0.26	0.28	0.26	0.20	0.24
13	Manganese	mg/l	0.026	0.024	0.02	0.028	0.028	0.024	0.02	0.018
14	Cadmium	mg/l	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

May 2025										
Sl. No.	**Parameter**	**Unit**	**Harbour Basin**		**Port Entrance Channel**		**South brake Wall Outside**		**North brake Wall Outside**	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1	Sulphate as So_4	mg/l	864	912	896	840	786	804	814	836
2	Phosphate as Po_4	mg/l	0.42	0.60	0.48	0.56	0.48	0.65	0.62	0.48
3	Nitrate as No_3	mg/l	4.78	3.92	6.0	5.50	4.6	6.8	4.4	4.6
4	Nitrite asNo^2	mg/l	0.111	0.121	0.112	0.124	0.16	0.18	0.12	0.14
5	Chloride Cl	mg/l	25492	26991	30990	25991	29490	32489	28991	34989
6	Iron	mg/l	0.02	0.022	0.018	0.016	0.026	0.02	0.018	0.018
7	Dissolved Oxygen	mg/l	4.2	3.8	4.0	4.4	4.4	4.0	4.2	4.2
8	BODemand 3 days @27°c	mg/l	1.8	1.4	1.8	2.2	2.0	3.8	1.8	2.0
9	Oil & Grease	mg/l	2.6	1.4	1.0	1.2	1.4	1.6	2.0	1.8
10	Chromium	mg/l	0.02	0.012	0.024	0.018	0.016	0.028	0.026	0.024
11	Mercury	mg/l	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
12	Zinc	mg/l	0.26	0.28	0.20	0.24	0.24	0.26	0.20	0.28
13	Manganese	mg/l	0.02	0.024	0.022	0.028	0.018	0.014	0.014	0.01
14	Cadmium	mg/l	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil

June 2025										
Sl. No.	**Parameter**	**Unit**	**Harbour Basin**		**Port Entrance Channel**		**South brake Wall Outside**		**North brake Wall Outside**	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1.	Sulphate as So_4	mg/l	1024	1125	1084	1128	1184	1126	1026	1160
2.	Phosphate as Po_4	mg/l	<0.5	<0.5	0.54	<0.5	0.62	<0.5	0.68	0.54
3.	Nitrate as No_3	mg/l	1.8	0.76	1.09	0.42	1.2	0.84	0.64	0.54
4.	Nitrite asNo^2	mg/l	<0.1	<0.1	0.19	0.05	0.42	22839	0.26	0.29
5.	Chloride Cl	mg/l	19440	20420	17562	21892	18270	0.36	20892	23870
6.	Iron	mg/l	0.56	0.34	0.30	0.22	0.51	6.94	0.22	0.27
7.	Dissolved Oxygen	mg/l	5.19	6.28	4.54	5.81	5.82	2.84	5.94	7.28
8.	BODemand 3 days @27°c	mg/l	5.9	2.4	4.9	1.6	4.74	4.80	3.4	3.6
9.	Oil & Grease	mg/l	4.28	<4	9.26	5.82	6.81	<0.1	6.54	5.8
10.	Chromium	mg/l	0.018	<0.01	0.014	<0.01	<0.01	<0.01	<0.01	<0.01
11.	Mercury	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12.	Zinc	mg/l	0.22	<0.05	0.14	<0.5	<0.05	<0.05	<0.05	<0.05

13.	Manganese	mg/l	0.12	0.042	<0.05	<0.05	0.018	0.016	0.08	0.05
14.	Cadmium	mg/l	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

July 2025										
Sl. No.	**Parameter**	**Unit**	**Harbour Basin**		**Port Entrance Channel**		**South brake Wall Outside**		**North brake Wall Outside**	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1.	Sulphate as So_4	mg/l	1023	1253	1011	1333	1150	1138	1094	1199
2.	Phosphate as Po_4	mg/l	<0.5	<0.5	<0.5	<0.5	0.16	0.73	0.03	0.05
3.	Nitrate as No_3	mg/l	1.78	0.42	1.16	0.14	1.36	0.84	0.72	0.60
4.	Nitrite asNo^2	mg/l	<0.1	<0.1	0.15	0.03	0.34	0.24	0.28	0.30
5.	Chloride Cl	mg/l	19320	21390	17940	21390	20010	22080	20700	24150
6.	Iron	mg/l	0.52	0.36	0.37	0.36	0.53	0.37	0.36	0.38
7.	Dissolved Oxygen	mg/l	5.46	1.36	5.23	2.05	4.78	1.82	5.58	2.16
8.	BODemand 3 days @27°c	mg/l	5.1	2.5	4.8	1.9	4.64	2.24	3.52	3.84
9.	Oil & Grease	mg/l	4.20	<4	9.23	5.76	5.84	4.09	6.12	4.91
10.	Chromium	mg/l	0.018	<0.01	0.014	<0.01	<0.01	<0.01	<0.01	<0.01
11.	Mercury	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12.	Zinc	mg/l	0.22	<0.5	0.14	<0.5	<0.05	<0.05	<0.05	<0.05
13.	Manganese	mg/l	0.12	0.042	<0.05	<0.05	0.018	0.016	0.08	<0.05
14.	Cadmium	mg/l	0.008	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

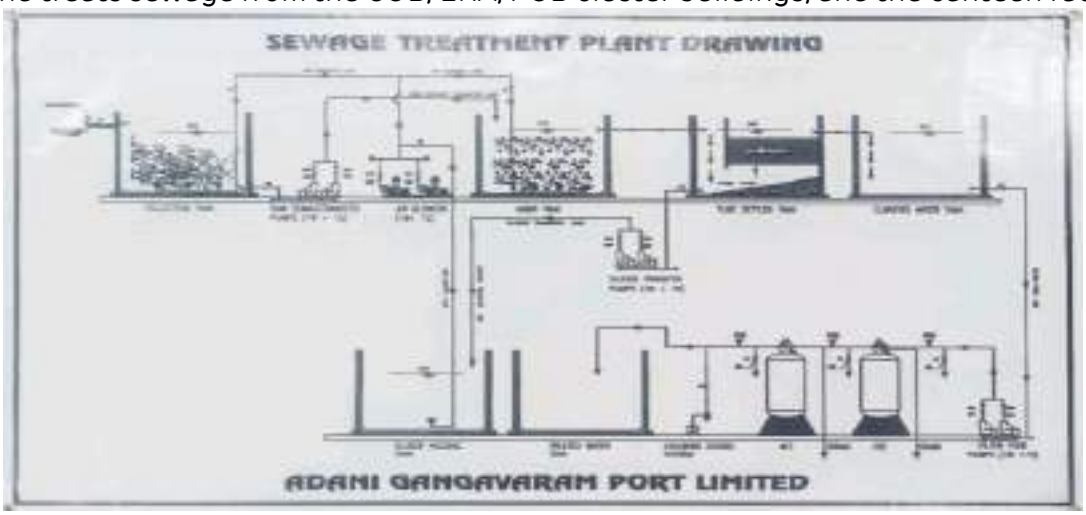
August 2025										
Sl. No.	**Parameter**	**Unit**	**Harbour Basin**		**Port Entrance Channel**		**South brake Wall Outside**		**North brake Wall Outside**	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1.	Sulphate as So_4	mg/l	1011	1116	1011	1333	1150	1138	1098	1199
2.	Phosphate as Po_4	mg/l	<0.5	<0.5	<0.5	<0.5	0.16	0.73	<0.5	<0.5
3.	Nitrate as No_3	mg/l	1.76	0.41	1.16	0.38	1.35	0.70	0.71	0.57
4.	Nitrite asNo^2	mg/l	<0.1	<0.1	0.15	0.03	0.34	0.24	0.28	0.30
5.	Chloride Cl	mg/l	18630	20010	17250	21390	17940	22770	19320	22080
6.	Iron	mg/l	0.54	0.38	0.32	0.38	0.65	0.40	0.38	0.40
7.	Dissolved Oxygen	mg/l	5.6	4.5	5.0	2.1	4.2	1.9	5.6	2.28
8.	BODemand 3 days @27°c	mg/l	5.2	2.5	4.5	1.9	4.68	2.36	3.60	3.84
9.	Oil & Grease	mg/l	4.31	<4	9.26	5.78	5.92	4.12	6.18	5.11

10.	Chromium	mg/l	0.016	<0.01	0.016	<0.01	<0.01	<0.01	<0.01	<0.01
11.	Mercury	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12.	Zinc	mg/l	0.24	<0.05	0.12	<0.05	<0.05	<0.05	<0.05	<0.05
13.	Manganese	mg/l	0.10	0.040	<0.05	0.05	0.020	0.018	0.06	<0.05
14.	Cadmium	mg/l	0.006	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

September 2025										
Sl. No.	**Parameter**	**Unit**	**Harbor Basin**		**Port Entrance Channel**		**South brake Wall Outside**		**North brake Wall Outside**	
			Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide	Low Tide	High Tide
1.	Sulphate as So_4	mg/l	1711	1916	1611	1910	1750	1938	1694	1990
2.	Phosphate as Po_4	mg/l	<0.5	<0.5	0.52	<0.5	0.52	0.11	0.55	0.52
3.	Nitrate as No_3	mg/l	1.79	0.43	1.17	0.43	0.43	1.16	0.72	0.61
4.	Nitrite asNo^2	mg/l	<0.1	<0.1	0.19	0.05	0.23	0.27	0.27	0.32
5.	Chloride Cl	mg/l	17250	19320	17940	19320	18260	19180	17820	18930
6.	Iron	mg/l	1.49	0.93	1.02	0.94	1.02	0.88	1.02	0.41
7.	Dissolved Oxygen	mg/l	4.8	5.3	4.50	5.50	4.5	5.0	4.21	5.12
8.	BODemand 3 days @27°c	mg/l	5.12	2.40	4.70	5.90	6.01	5.70	6.22	6.37
9.	Oil & Grease	mg/l	4.12	<4	8.86	5.59	5.54	4.21	6.18	5.11
10.	Chromium	mg/l	0.012	<0.01	0.015	<0.01	<0.01	<0.01	<0.01	<0.01
11.	Mercury	mg/l	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
12.	Zinc	mg/l	0.22	<0.05	0.10	<0.05	<0.05	<0.05	<0.05	<0.05
13.	Manganese	mg/l	0.18	0.038	0.15	<0.05	0.012	0.016	0.05	<0.05
14.	Cadmium	mg/l	0.007	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005

SEWAGE TREATMENT PLANT

AGPL operates two Sewage Treatment Plants (STPs) to meet the requirements of domestic sewage treatment within the port premises. The first STP, with a capacity of 5 KLD, is located at the AGPL Main Gate and caters to sewage generated from the AOB Building and security posts. The second STP, with a capacity of 30 KLD, is situated at the AGPL Harbour Gate and treats sewage from the COB, ERA, POB cluster buildings, and the canteen facilities.



STP's Process Chart

5 KLD STP and 15+15 KLD STP Plants

- The water treated is being used for greenbelt development within the Port premises.
- The STP flow meters are being calibrated periodically for better performance

The details of sweater treated and reused for greenbelt/dust suppression during the period from April 2025 to September 2025 are as below:

T 3.9

Sl. No.	Month/Year	STP Treated water withdrawal & utilization			
		5 KLD	30 KLD	KL/ Month	Average per day KL
1	April 2025	88	283	371	12.37
2	May 2025	93	291	384	12.39
3	June 2025	100	310	410	13.67
4	July 2025	87	353	440	14.19
5	August 2025	103	405	508	16.39
6	September 2025	93	420	513	17.10
	Total	**564**	**2062**	**2626**	**14.35**

The STP inlet & outlet water is being analyzed through a 3rd party agency on a fortnight basis and as per the analysis reports, the values are meeting the prescribed standards of APPCB.

30 LD STP Inlet & Outlet sampling

5KLD STP Inlet & Outlet

30 KLD STP:

Month	Parameters Source & Outlet Standard	pH	TSS	TDS	Oil & Grease	COD	BOD	Chlorides
Outlet Standard		**6.5 – 9.0**	**100.00**	**<2100**	**12.00**	**250-500**	**20-30**	**500**
April 2025	Inlet	6.16	168.00	594.00	4.6	368.00	56.4	138.00
	Outlet	6.86	26.00	82.00	2.6	48.00	18.00	82.00
May 2025	Inlet	6.14	164.00	590.00	4.8	366.00	48.2	120.00
	Outlet	6.62	24.00	80.00	3.6	46.00	20.00	84.00
June 2025	Inlet	6.46	524	1482	19.60	462	138	282.00
	Outlet	6.92	72	342	3.60	84.50	14.00	117.00
July 2025	Inlet	6.43	440	1380	22.40	368	110.00	225.00
	Outlet	6.73	60	340	4.00	94.20	24.00	102.00
August 2025	Inlet	6.45	438	1375	22.80	356	115.00	228.00
	Outlet	6.78	68	320	4.60	93.80	26.00	110.00
September 2025	Inlet	6.25	520	458	16.90	489	119.00	265.00
	Outlet	6.39	72	251	9.90	81.90	18.50	110.00

5KLD STP :

Month	Parameters Source & Outlet Standard	pH	TSS	TDS	Oil & Grease	COD	BOD	Chlorides
Outlet Standard		**6.5 – 9.0**	**100.00**	**<2100**	**12.00**	**250-500**	**20-30**	**500**
April 2025	Inlet	6.26	146.00	586.00	4.0	242.00	42.4	118.00
	Outlet	6.66	20.00	74.00	2.60	40.00	18.00	68.00
May 2025	Inlet	6.20	154.00	580.00	4.4	256.00	46.4	126.00
	Outlet	6.68	20.00	86.00	2.8	46.00	18.00	60.00
June 2025	Inlet	6.42	214.00	682.00	22.40	292.00	94.00	186.00
	Outlet	6.96	28.00	94.00	1.80	42.60	14.00	84.60
July 2025	Inlet	6.42	520.00	1452.00	18.20	452.00	125.00	268.00
	Outlet	6.98	70.00	335.00	3.80	82.50	12.00	110.00
August 2025	Inlet	6.44	510.00	1445.00	17.90	454.00	115.00	258.00
	Outlet	6.89	75.00	325.00	3.90	80.80	18.00	115.00
September 2025	Inlet	6.39	459.00	1389.00	25.90	358.00	118.00	231.00
	Outlet	6.47	58.00	290.00	5.20	94.90	29.00	119.00

NABL-3rd Party AAQM Monthly results from April--25 to September-25

Date	Station - 1 - Near gangavaram village North direction					Station - 2 - Near Pedagantyada North west direction					Station - 3 - Near to Novus Residential Apartment - West direction					Station - 4 AGPL_Site_UP_WindDirection_South west_RINL				
	PM10	PM 2.5	SO_2	NO_2	Co	PM10	PM 2.5	SO_2	NO_2	Co	PM10	PM 2.5	SO_2	NO_2	Co	PM10	PM 2.5	SO_2	NO_2	Co
Apr-25	79.41	44.61	17.40	16.32	1.63	97.34	48.64	19.69	23.77	1.03	77.53	44.61	23.05	13.80	2.07	80.82	46.95	16.94	21.02	2.04
May-25	54.00	29.81	6.32	8.99	2.76	34.03	23.74	10.25	21.34	0.82	59.57	32.33	18.86	33.78	0.75	56.27	31.46	18.99	18.09	0.87
Jun-25	88.40	52.60	38.20	44.80	2.90	88.20	56.40	44.00	42.60	2.20	82.40	50.80	42.10	39.40	2.30	92.40	48.20	38.30	40.90	2.10
Jul-25	72.50	48.50	32.20	41.80	2.50	82.60	52.40	41.00	43.40	2.90	81.00	50.60	41.30	38.60	2.80	85.20	50.20	36.30	40.50	2.60
Aug-25	75.80	51.20	34.10	43.20	2.80	84.80	54.60	43.20	45.10	3.10	85.20	52.60	43.20	39.80	2.60	86.30	50.60	38.20	41.20	2.70
Sep-25	76.20	52.40	26.00	32.10	2.60	86.30	54.10	29.10	38.20	2.80	82.40	50.90	29.80	37.90	2.40	87.20	51.40	24.80	36.60	2.90
Average	74.39	46.52	25.70	31.20	2.53	78.88	48.31	31.21	35.74	2.14	78.02	46.97	33.05	33.88	2.15	81.37	46.47	28.92	33.05	2.20

CSR Activities- April 2025

ANNEXURE-17

- This Academic Year 2024-25 ZPHS 10 class pass % increased to 93.1% from 82.1% prior to our Utthan incitive it was 35% of pass in 10th.
- Special summer coaching initiated in AEEC Dibbapalem.- HH visit program conducing by the AEEC teachers long with local Animator to mobilse the students.
- 7star Ground and GVMC ground development initiated for Adai fitness centre to initiate the coaching for youth who is interested to join Navy, Army, Police and other forces.
- 1885 members health screening completed during April 2025 total cumulative 1885 by MHCU.
- Toilets blocks construction ZPHS, Kalayanamandapam construction at Gangavaram is in progress.
- Meetings initiated with fishermen women Grous for Livelihood supports and petty shop establishment under women empowerment programs.
- 2 uses are fully utilised for transportation of fishermen community to Yarada for Fishing activity.

CSR: Budgetary achievement April'25 – Budget FY 2025-26

	Vertical	Target FY 2025-26	Achieved April'25	YTD Target	YTD Achieved
A. CSR	Education	56.05	00	56.05	00
	Health	34.28	00	34.28	00
	SLD	25.96	00	25.96	00
	Community Dev.	138.79	00	138.79	00
	Climate Action	129.75	00	129.75	00
	TOTAL of A.	**1184.83**	**00**	**1184.83**	**00**
B. Others	**UDAAN**	**00.00**	**0.00**	**00.00**	**00.00**
	ASDC	**00.00**	**00.00**	**0.00**	**00.00**
	TOTAL of B.	**00.00**	**00.00**	**0.00**	**00.00**
	GRAND TOTAL (A+B)	**1184.83**	**00.00**	**1184.83**	**00.00**

Note: *Expenses shown above are based on the ongoing projects from the FY 2025-26. The payment to HelpAge India for implementing MHCU, Udaan by HO & Skill development project implementing by ASDC would be released on receipt of bill centrally by AF-HO. Hence the expense is showing as zero. – Budget approved in last week of April that's way achievement zero*

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Ports and Logistics

CSR: Major Physical Achievement

- ***Education:***
  - **Uthaan**
    - 10th class pass % increased to 93.1 % from 82.1%Special
    - It was 35% of the 10th class pass % , Before Utthan program initiatingat ZPHS Gangavaram .
    - Special summer coaching initiated at AEEC in Dibbapalem, immediate of the academic year closing.
    - Toilet blocks construction is in progress at ZPHS Gangavaram.
- ***Health:***
  - **Mobile Health Care Unit :**
    - MHCU covered 1885 members, female utilization is very high comparatively male & children at MHCU.
  - **Skill Development Center :**
    - ASDC team visited to Gangavaram & Dibbapalem villages and interacted with youth to know the interest of the youth on Skill development center at Gangavaram site.

CSR: Major Achievement

Sustainable Livelihoods

SLD Units:

- Supported to establish the petty shops for 10 women groups & 10 Physically challenged individuals to enhance the livelihood of needy & POP community under SLD initiative.

Community Development:

- Fitness and rural sports coaching initiated for the Army, Navi and Agni veer recruitments.
- Adani Rural Sports initiated for Volleyball, Cricket, Kabaddi, Shuttle & Ball badminton training and conducted internal tournaments to find out the potential candidates to groom them as profusions players.

Climate Action:

- Solar streetlights project initiated in the Gangavaram and Dibbapelm villages with 25 units planned in this year.

CSR Activities- May 2025

- Special summer coaching in AEEC Dibbapalem.- House Hold visit program conducted by the AEEC teachers long with local Animator to mobilise the 8th to 10th students – 35 participated in summer camp. Computer Basics & Spoken English

- 7star Ground and GVMC ground development initiated for Adani Fitness Centre to initiate the coaching for youth who are interested to join Navy, Army, Police and other forces.

- Male-573, Female-1307 total- 1880 members health screening completed during May 2025 total cumulative Male-1163, Female-2602 total- 3765 screening completed cumulatively FY 2025-26 by MHCU.

- Toilets blocks construction ZPHS, Kalayanamandapam construction at Gangavaram is in progress will finish by Aug 2025.

- Meetings initiated with fishermen women Grous for Livelihood supports and petty shop establishment under women empowerment programs.

- GBS youth group conducted Pro Kabaddi at Gangavaram facilitated by the Adani Foundation.
- 2 Girls selected to Beach Kabaddi- Natation level.

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Ports and Logistics

CSR: Budgetary achievement May'25 – Budget FY 2025-26

	Vertical	Target FY 2025-26	Achieved May'25	YTD Target	YTD Achieved
A. CSR	Education	56.05	00	56.05	00
	Health	34.28	00	34.28	00
	SLD	25.96	00	25.96	00
	Community Dev.	138.79	00	138.79	00
	Climate Action	129.75	00	129.75	00
	TOTAL of A.	**1184.83**	**00**	**1184.83**	**00**
B. Others	**UDAAN**	**00.00**	**0.00**	**00.00**	**00.00**
	ASDC	**00.00**	**00.00**	**0.00**	**00.00**
	TOTAL of B.	**00.00**	**00.00**	**0.00**	**00.00**
	GRAND TOTAL (A+B)	**1184.83**	**00.00**	**1184.83**	**00.00**

Note: *Expenses shown above are based on the ongoing projects from the FY 2025-26. The payment to HelpAge India for implementing MHCU, Udaan by HO & Skill development project implementing by ASDC would be released on receipt of bill centrally by AF-HO. Hence the expense is showing as zero. – Budget approved in last week of April that's way achievement zero*

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Ports and Logistics

CSR: Major Physical Achievement

- ***Education:***
  - **Uthaan**
    - Special summer coaching initiated at AEEC in Dibbapalem, immediate of the academic year closing.
    - Toilet blocks construction is in progress at ZPHS Gangavaram.
- ***Health:***
  - **Mobile Health Care Unit :**
    - MHCU covered 1880 members, female utilization is very high comparatively male & children at MHCU.
  - **Skill Development Center :**
    - ASDC team visited to Gangavaram & Dibbapalem villages and interacted with youth to know the interest of the youth on Skill development center at Gangavaram site.

CSR: Major Achievement

Sustainable Livelihoods

SLD Units:

- Supported to establish the petty shops for 25 women groups & 10 Physically challenged individuals to enhance their livelihood

Community Development:

- Fitness and rural sports coaching initiated for the Army, Navi and Agni veer recruitments.
- Adani Rural Sports initiated for Volleyball, Cricket, Kabaddi, Shuttle & B badminton training and conducted internal tournaments to find out th potential candidates to groom them as profusions players.

Climate Action:

- Solar streetlights project initiated in the Gangavaram and Dibbapelm villages with 25 units planned in this year.
- NFAs are in the progress for approved budget FY 2025-26

CSR Activities- June 2025

- 7star Ground and GVMC ground development is in progress & 2 girls selected from Adani Fitness Centre for Kabaddi National Games under 18.

- Total- 1993 members health screening completed Male-578, Female-1415 during May 2025 total cumulative-5758 Male-17741, Female-4017.
- 58 members participate in World Environment Day at R.K Beach, Visakhapatnam
- 110 members participated donated the blood in Mega Blood Donation drive.
- 76 members participated in Yoga Day in various CSR villages.
- Toilets blocks construction ZPHS, Kalayanamandapam construction at Gangavaram is in progress will finish by Aug 2025.
- Meetings conducted with Dibbapalem Village elders for Skill development Establishment
- Meetings initiated with fishermen women Grous for Livelihood supports and petty shop establishment under women empowerment programs and 5 New SLD Units Identified
- Systems & Printers donated to Traffic police station, Marine Harbour Police station and Civil supply Office under friendly pollicisation project.
- 2 Girls selected to Kabaddi- Natation games held at Uttarakhand,Haridwar.

CSR: Budgetary achievement June'25 – Budget FY 2025-26

	Vertical	Target FY 2025-26	Achieved June '25	YTD Target	YTD Achieved
A. CSR	Education	56.05	00	56.05	00
	Health	34.28	00	34.28	00
	SLD	25.96	00	25.96	00
	Community Dev.	138.79	00	138.79	00
	Climate Action	129.75	00	129.75	00
	TOTAL of A.	**1184.83**	**00**	**1184.83**	**00**
B. Others	**UDAAN**	**00.00**	**0.00**	**00.00**	**00.00**
	ASDC	**00.00**	**00.00**	**0.00**	**00.00**
	TOTAL of B.	**00.00**	**00.00**	**0.00**	**00.00**
	GRAND TOTAL (A+B)	**1184.83**	**00.00**	**1184.83**	**00.00**

Note: *Expenses shown above are based on the ongoing projects from the FY 2025-26. The payment to HelpAge India for implementing MHCU, Udaan by HO & Skill development project implementing by ASDC would be released on receipt of bill centrally by AF-HO. Hence the expense is showing as zero. – Budget approved in last week of April that's way achievement zero*

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Ports and Logistics

CSR: Major Physical Achievement

- ***Education:***
  - **Uthaan**
    - Special classes conducted at AEEC who are going for 10th common examinations.
    - Special English language development program inaugurated in 3 schools MPP schools Jalari Pallipalem & Dibbapalem & ZPHS Gangavaram.
    - Physics lab established in ZPHS Gangavaram.
    - Toilet blocks construction is in progress at ZPHS Gangavaram.
- ***Health:***
  - **Mobile Health Care Unit :**
    - MHCU covered 1993 members, female utilization is very high comparatively male & children at MHCU.
  - **Skill Development Center :**
    - ASDC team visited to Gangavaram & Dibbapalem villages and interacted with youth to know the interest of the youth on Skill development center at Gangavaram site.

CSR: Major Achievement

Sustainable Livelihoods

SLD Units:

- Supported to establish the petty shops for 25 women groups & 10 Physically challenged individuals to enhance their livelihood

Community Development:

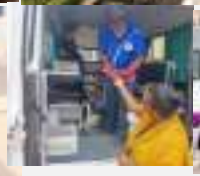
- Fitness and rural sports coaching initiated for the Army, Navi and Agni veer recruitments.
- Adani Rural Sports initiated for Volleyball, Cricket, Kabaddi, Shuttle & Ball badminton training and conducted internal tournaments to find out the potential candidates to groom them as profusions players.

Climate Action:

- Solar streetlights project initiated in the Gangavaram and Dibbapelm villages with 25 units planned in this year.
- NFAs are in the progress for approved budget FY 2025-26

CSR Activities- July 2025

- 7star Ground and GVMC ground development is in progress- Athletic track and fitness equipment's
- Total- 2346 members health screening completed Male-722, Female-1624 during July 2025 total cumulative- 8104 Male-2643, Female-5641
- Toilets blocks construction ZPHS, Kalayanamandapam construction at Gangavaram is in progress will finish by Sep 2025.
- Meetings conducted with Dibbapalem & Gangavaram Village elders to speed up the for Civil works.
- Meetings initiated with fishermen women Grous for Livelihood supports and petty shop establishment under women empowerment programs and 7 New SLD Units Identified



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Ports and Logistics

CSR: Budgetary achievement July'25 – Budget FY 2025-26

	Vertical	Target July-26	Achieved July '25	YTD Target	YTD Achieved
A. CSR	Education	6.00	9.50	56.05	9.50
	Health	3.00	0.00	34.28	00
	SLD	00	00	25.96	00
	Community Dev.	10	10.50	138.79	10.50
	Climate Action	00	00	129.75	00
	TOTAL of A.	**19.00**	**20.00**	**1184.83**	**20**
B. Others	**UDAAN**	**00.00**	**0.00**	**00.00**	**00.00**
	ASDC	**00.00**	**00.00**	**0.00**	**00.00**
	TOTAL of B.	**00.00**	**00.00**	**0.00**	**00.00**
	GRAND TOTAL (A+B)	**19.00**	**20.00**	**1184.83**	**20.00**

Note: *Expenses shown above are based on the ongoing projects from the FY 2025-26. The payment to HelpAge India for implementing MHCU, Udaan by HO & Skill development project implementing by ASDC would be released on receipt of bill centrally by AF-HO. Hence the expense is showing as zero. – Budget approved in last week of April that's way achievement zero*

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Ports and Logistics

CSR: Major Physical Achievement

- ***Education:***
  - **Uthaan**
    - Special classes conducted at AEEC who are going for 10th common examinations.
    - Special English language development program inaugurated in 3 schools MPP schools Jalari Pallipalem & Dibbapalem & ZPHS Gangavaram.
    - Toilet blocks construction is in progress at ZPHS Gangavaram.
- ***Health:***
  - **Mobile Health Care Unit :**
    - MHCU covered 2346 members, female utilization is very high comparatively male & children at MHCU.
  - **Skill Development Center :**
    - ASDC team visited to Gangavaram & Dibbapalem villages and interacted with youth to know the interest of the youth on Skill development center at Gangavaram site.

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Ports and Logistics

CSR: Major Achievement

Sustainable Livelihoods

SLD Units:

- Supported to establish the petty shops for 25 women groups & 10 Physically challenged individuals to enhance their livelihood

Community Development:

- 1boxing player selected for National Boxing commutations from Ganagavram village.
- Mr. Teja AF fitness coach selected for the Andhra Young Kabaddi category as a captain.
- Gangavaram Athletic track establishment is in progress.

Climate Action:

- Solar streetlights project initiated in the Gangavaram and Dibbapelm villages with 25 units planned in this year.
- NFAs are in the progress for approved budget FY 2025-26

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Ports and Logistics

CSR Activities- August 2025

- one Dropout children Joined in 3rd Class at MPP School, Dibbapalem by AF follow-up & facilitation.
- Adani Foundation Day Celebrated at Corporate Office Building
- Respected Chairperson Dr .Priti Adani Ma'am Birthday celebrated at AEEC Dibbapalem and Gangavaram and Plantation program also Conducted at Gangavaram
- 7star Ground and GVMC ground development is in progress- Athletic track and fitness equipment's
- Total- 1828 members health screening completed Male-520, Female-1308 during August 2025 total cumulative-9932 Male-2983, Female-6949
- Toilets blocks construction ZPHS, Kalayanamandapam construction at Gangavaram completed.
- Meetings conducted with Dibbapalem & Gangavaram Village elders to speed up the for Civil works in respective villages.
- Meetings initiated with fishermen women Grous for Livelihood supports and petty shop establishment under women empowerment programs and 7 New SLD Units Identified.
- Participated coordination meeting with GVMC along with Business unit.

CSR: Budgetary achievement Aug'25 – Budget FY 2025-26

	Vertical	Target Aug-26	Achieved Aug '25	YTD Target	YTD Achieved
A. CSR	Education	7.00	6.50	42.85	13.30
	Health	6.00	6.53	27.75	6.53
	SLD	1.00	1.60	24.36	1.60
	Community Dev.	7.10	7.29	121.68	17.11
	Climate Action	5.00	6.00	923.75	6.00
	TOTAL of A.	**26.10**	**27.92**	**1140.39**	**44.54**
B. Others	**UDAAN**	**00.00**	**0.00**	**00.00**	**00.00**
	ASDC	**00.00**	**00.00**	**0.00**	**00.00**
	TOTAL of B.	**00.00**	**00.00**	**0.00**	**00.00**
	GRAND TOTAL (A+B)	**26.10**	**27.92**	**1140.39**	**44.54**

Note: *Expenses shown above are based on the ongoing projects from the FY 2025-26. The payment to HelpAge India for implementing MHCU, Udaan by HO & Skill development project implementing by ASDC would be released on receipt of bill centrally by AF-HO. Hence the expense is showing as zero. – Budget approved in last week of April that's way achievement zero*

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Ports and Logistics

CSR: Major Physical Achievement

- ***Education:***
  - **Uthaan**
    - Special classes conducted at AEEC who are going for 10th common examinations.
    - Special English language development program inaugurated in 3 schools MPP schools Jalari Pallipalem & Dibbapalem & ZPHS Gangavaram.
    - Toilet blocks construction is in progress at ZPHS Gangavaram.
- ***Health:***
  - **Mobile Health Care Unit :**
    - MHCU covered 1828 members, female utilization is very high comparatively male & children at MHCU.
  - **Skill Development Center :**
    - ASDC team visited to Gangavaram & Dibbapalem villages and interacted with youth to know the interest of the youth on Skill development center at Gangavaram site.

CSR: Major Achievement

Sustainable Livelihoods

SLD Units:

- Supported to establish the petty shops for 25 women groups & 10 Physically challenged individuals to enhance their livelihood

Community Development:

- Kalayanamandapam construction at Gangavaram was finished and ready to Inauguration
- Gangavaram Athletic track establishment is in progress.

Climate Action:

- Solar streetlights project initiated in the Gangavaram and Dibbapelm villages with 25 units planned in this year.
- NFAs are in the progress for approved budget FY 2025-26
- Plantation Programme initiated at Gangavaram on the eve of Our chairperson Dr Priti Adani madam Birthday.

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Ports and Logistics

CSR Activities- September 2025

- Teacher’s day celebration at AEEC Dibbapalem
- 7star Ground and GVMC ground development is in progress- Athletic track and fitness equipment's
- Total- 2062 members health screening completed Male-603, Female-1459 during September 2025 total cumulative- 11994 Male-3586, Female-8408
- The Mobile Health care unit(MHCU) Inaugurated by Hon'ble MP Visakhapatnam Mr Sri Bharat along with Sri Amith malik Adani Gangavaram Port and senior management
- Meetings initiated with fishermen women Grous for Livelihood supports and petty shop establishment under women empowerment programs and 9 New SLD Units Identified.
- one Capacity Building for SLD members Training Conducted at CSR Office
- providing the transportation facility to the fisherman community by giving 52 seats New Bus under the CSR office Adani Gangavaram port inauguration by Mr Amith malik, CEO,
- International Coastal clean up day celebrated at Ramakrishna Beach, Visakhapatnam
- Body building kit Support to Mr Danesh and his participated in District and National level competitions.
- 22 solar Lights installed

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Ports and Logistics

CSR: Budgetary achievement SEP'25 – Budget FY 2025-26

	Vertical	Target Sep-26	Achieved Sep '25	YTD Target	YTD Achieved
A. CSR	Education	6.00	6.01	36.84	19.31
	Health	2.00	0.20	27.55	6.73
	SLD	1.50	2.63	21.73	4.23
	Community Dev.	5.00	2.75	117.20	21.59
	Climate Action	5.00	9.42	220.33	9.42
	TOTAL of A.	**19.50**	**21.01**	**423.65**	**61.28**
B. Others	**UDAAN**	**0.00**	**0.00**	**0.00**	**0.00**
	ASDC	**0.00**	**0.00**	**0.00**	**0.00**
	TOTAL of B.	**0.00**	**0.00**	**0.00**	**0.00**
	GRAND TOTAL (A+B)	**19.50**	**21.01**	**423.65**	**61.28**

Note: *Expenses shown above are based on the ongoing projects from the FY 2025-26. The payment to HelpAge India for implementing MHCU, Udaan by HO & Skill development project implementing by ASDC would be released on receipt of bill centrally by AF-HO. Hence the expense is showing as zero. – Budget approved in last week of April that's way achievement zero*

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Ports and Logistics

CSR: Major Physical Achievement

- ***Education:***
  - **Uthaan**
    - Special classes conducted at AEEC who are going for 10th common examinations provided the materials for the mock examinations
    - Special English language development program inaugurated in 3 schools MPP schools Jalari Pallipalem & Dibbapalem & ZPHS Gangavaram.
    - Teachers Day celebrated at AEEC.
- ***Health:***
  - **Mobile Health Care Unit :**
    - MHCU covered 2062 members, female utilization is very high comparatively male & children at MHCU.
  - **Skill Development Center :**
    - ASDC team visited to Gangavaram & Dibbapalem villages and interacted with youth to know the interest of the youth on Skill development center at Gangavaram site.

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Ports and Logistics

CSR: Major Achievement

Sustainable Livelihoods

SLD Units:

- Supported to establish the petty shops for 25 women groups & 10 Physically challenged individuals to enhance their livelihood
- one Capacity Building for SLD members Traing Conducted at CSR Office

Community Development:

- Kalayanamandapam construction at Gangavaram was finished and ready to Inauguration
- Gangavaram Athletic track establishment is in progress.

Climate Action:

- Solar streetlights project initiated in the Gangavaram and Dibbapelm villages with 22 units installed this month
- International Coastal clean up day celebrated at Ramakrishna Beach, Visakhapatnam

SAFETY MOCK DRILL / EMERGENCY EXERCISE REPORT

Mock drill No	:	01
Scenario Title	:	Heat stroke
Date	:	06.04.2025
Time of Trigger of MD	:	12:25 Hrs.
Location	:	CC-10 Near Sub Station no:1A
Persons	:	
Incident Controller	:	Mr. V. Chandra Sekhar
Observer (Safety)	:	Mr. S. Srinivasa Raju

Brief of Incident / Scenario : In Adani Gangavaram Port Ltd, at CC-10 (Near Sub Station no:1A) YJ Company worker Mr. Kumor while cleaning the spillage cargo (Coal) suddenly fall down due to Heat stroke it was observed that the AGPL Mechanical Engineer Mr.J.Sathish and he shifted to the victim to cold and safe place, then he informed to the port control center about the situation and through the information by Port control on emergency protocol basis Medical Team attended Quickly and given FIRST AID and shift him to AGPL EMC (Dispensary) for further treatment, QRT team also arrived at the location and barricaded the area with safety cones.

Observations (Safety)

- Site staff found well alert and aware of emergency contacts.
- Security & Traffic team response was prompt and corroded the area with safety cones
- Ambulance Response was good.
- Fire Tender was reached on time.

Recommendations for better coordination / response

- During emergencies, any activity should be suspended until all clear signals.
- Sufficient water and Rest places need at workplaces.
- While working in open areas there's a need for breaks to rest and relax.
- All the team members must have proper communication during emergency situations.
- During any emergency related safety kits must be at the incident location.

Communication Flow:

By	To	Mode Of Communication	Standard Time	Actual Time	Rating (Max.5 Marks/item)
Mechanical team	**Port Control**	**By Mobile**	2Min.	**1Min**	**5**
Port Control	**Medical**	**By VOIP Phone**	6Min.	**4Min**	**5**
Port Control	**Security**	**By VOIP Phone**	6Min.	**3Min**	**5**
Port Control	**Fire & Safety**	**By VOIP Phone**	6 Min.	**4Min**	**5**

***(Deduct 01 Number for every 60Sec delay)**

Response Time:

Functionaries	Target Time	Actual Time	Rating (Max.5 Marks/item)
Location In charge	3Min.	3Min.	5
Medical Team	3Min.	2Min.	5
QRT	3Min.	2Min.	5
Fire & Safety	2Min	1Min	5

<u>Personnel Performance</u>:

Functionaries	Rating (Max. 5 Marks/item)
1) Location in-charge response	5
2) QRT response	5
3) Medical Team	
4) Fire Team	5

Emergency Equipment/Systems: **Rating (Max. 5 Marks/item)**

All Medical staff, Security staff, Fire staff and working crew wore helmets, shoes and reflective jackets.

Personnel Protective Equipment Used:

PPE	Working crew	Medical personnel	Security team	Rating (1 Mark for each item)
Helmet	Yes	Yes	Yes	1
Gloves	Yes	Yes	Yes	1
Safety shoes	Yes	Yes	Yes	1

Summary:

Sr. No	Observations	Recommendations	Action By	Target Date
1	The medical team response was prompt well in time	Encouraged them to maintain the same tempo.	The medical team response was prompt well in time	The Fire & Safety team response was good.
2	Some of the workers are not aware of the Emergency Contacts.	Communication in TBT Meetings	Some of the workers are not aware of the Emergency Contacts	Ensure no ignitions sources near-by

Comments of Head of the Fire & Safety:

Final Rating: Excellent

Critical Points noted & (CAPA):

CAPA: Corrective & Preventive Action Plan.

Signed by Fire & Safety Head

SURVEY

Subject: Oil Spill Response mock drill – Oil spill due to collision - conducted on 07.07.2024

Scenario: **After attending the berthing movement of Berth 5, All 3 Tugs, Dolphin 12, Dolphin 14 and Ocean Swan 3 were heading back to berth 9. Tug Dolphin 14 had an engine failure and she lost her control and collided with Tug Dolphin 12, thereby damaging Aft (Port) Fuel Oil tank of Tug Dolphin 12. Master of Tug Dolphin 12 reported that there is an Oil Spill from Aft (Port) fuel oil tank due to the rupture of the tank.**

Participants:

- Crew of Tugs Dolphin 12, Dolphin 14, Ocean Swan 3, Boat Lakshmidevi, Mooring Crew.
- AGPL Emergency action Team and Port Control

Sequence of events:

1530: Master of Tug Dolphin 12 reported that due to engine failure she had a collision with Tug Dolphin 14. He further reported that oil can be seen spilling from the damaged tank of Tug Dolphin 12

After initial inspection, master of Tug Dolphin 14 reported that the watertight integrity of Dolphin 14 was intact and she anchored in the turning circle for further investigation.

1531 : Master of Tug Dolphin 12 reported that due to collision, her Aft (P) FOT is ruptured and around 200 liters of diesel oil has spilled into the water. Oil is still found to be coming out from the damaged tank and oil is being transferred from Aft (P) tank to Fwd (P) tank in order to mitigate the oil spill.

1531: Port Control informs DC/DPC/ Port Fire Service and Manager AHSL about the oil spill.

1533: DC instructed Port Control to inform Tug Ocean Swan 3, Mooring Crew & other crafts to mobilize pollution response equipment.

Port Control informs DC regarding Tide and wind direction

Tide – Slack Water

Wind – SW'ly 8 kts.

1537'. Master of Tug Dolphin 12 reported that sounding of all tanks were taken and it was confirmed that only Aft (P) Tank was ruptured and all other adjacent tanks are intact. There is no danger of foundering. Tug Dolphin 12 informed that due to the presence of oil around her she has stopped her engines and anchored in the turning circle

1542: Crew of Tug Ocean Swan 3, Boat Lakshmidevi and Mooring Crew assembled near Oil Spill Response equipment room.

1542. Action group headed by DC reach Oil Spill Response Equipment Room.

1545: Master of Tug Dolphin 12 reported that the transfer of oil from Aft (P) to Fwd (P) is in progress. Due to the transfer of oil, the outflow from the damaged tank has reduced and estimated quantity of oil gone overboard is around 300 litres.

1546. DC reported that an oil patch of around 60 meter diameter can be seen in the turning basin in the vicinity of Tug Dolphin 12 .

1548. DC instructed to lay the containment boom around Tug Dolphin 12 using Magnetic connector in order to contain the oil spill.

1558: DC reported that the Oil boom is inflated using inflation blower, towing bridle is connected and the boom is ready for deployment.

1614: Around 150 meters of Oil containment boom is lowered in water and towed by Boat Lakshmidevi and Tug Ocean Swan 3. Oil containment boom is positioned on the hull of Tug Dolphin 12 using Magnetic connectors

1620: Skimmer and Hydraulic Power pack is lowered in Tug Ocean Swan 3 for taking to the site of oil spill.

1620. Master of Tug Dolphin 12 reported that the out flow of oil from Aft (P) FOT has stopped.

1624'. Oil Skimmer and Transfer pump were tried out.

1625 - 1640. All the tug's crew and mooring crew were assembled and the actions to be taken during emergency were explained. Procedure for the use of Oil Containment Boom, Skimmer, Power pack and absorbent pads were explained. Hyd. Power pack was started both in self start and manual mode.

'1645: Drill was called off

Observations:

While transferring of oil from Aft (P) to Fwd (P) in Tug Dolphin 12 it was observed that monitoring of Fwd (P) FOT was overlooked, which could have resulted in overflow from this tank.

Corrective Action:

Training was imparted to all Tug masters and Assistant Tug Masters regarding precautions to be taken while internal transfer Fuel Oil..

08/07/2024

VIZAG GANGAVARAM PORT LTD

SAFETY MOCK DRILL / EMERGENCY EXERCISE REPORT

Mock drill No	:	01
Scenario Title	:	General Fire (Wood Waste)
Date	:	07.08.2025
Time of Trigger of MD	:	15:35 Hrs.
Location	:	Timber yard
Persons	:	
Incident Controller	:	Mr. V. Chandra Sekhar
Observer (Safety)	:	Mr. MD Rahamatulla

Brief of Incident / Scenario: In Adani Gangavaram Port Ltd, Mr. K Ravi While doing loading supervision he observed the Fire & Smoke was spreading over the wood waste, He was immediately informed to the Port control and to the Shift in charge Mr. DRKP Rao after that Port control team was informed to the fire & safety department than in charge was deployed the fire crew accordingly acted on the fire incident and mitigated the fire and controlled the event.

Observations (Safety)

- Site staff found well alert and aware of emergency contacts.
- Fire Tender was reached on time & controlled the fire
- Security & Traffic team response was prompt and corroded the area with safety cones
- Ambulance Response was good.

Recommendations for better coordination / response

- During emergencies, any activity should be suspended until all clear signals.
- Maintain good housekeeping.
- Hazardous substance all the fire team must wear fire suits with SCBA.
- Fire team must know thew MSDS before compact with fire.
- All the team members must have proper communication during emergency situations.

Communication Flow:

By	To	Mode Of Communication	Standard Time	Actual Time	Rating (Max.5 Marks/item)
Warehouse Team	**Port Control**	**By Mobile**	2Min.	**1Min**	**5**
Port Control	**Fire Station**	**By VOIP Phone**	2Min.	**1Min**	**5**
Port Control	**Medical**	**By VOIP Phone**	2Min.	**1Min**	**5**
Port Control	**Security**	**By Walkie Talky**	2 Min.	**2Min**	**5**

***(Deduct 01 Number for every 60Sec delay)**

Response Time:

Functionaries	Target Time	Actual Time	Rating (Max.5 Marks/item)
Location In charge	3Min.	2Min.	5
Fire Team	3Min.	2Min.	5
QRT	5Min.	3Min.	5
Medical Team	3Min	2Min	5

Personnel Performance:

Functionaries	Rating (Max. 5 Marks/item)
1) Location in-charge response	5
2) QRT response	5
3) Medical Team	
4) Fire Team	5

Emergency Equipment/Systems: **Rating (Max. 5 Marks/item)**

All Fire staff, Security staff, medical staff and working crew wore helmets, shoes and reflective jackets.

Personnel Protective Equipment Used:

PPE	Working crew	Medical personnel	Security team	Rating (1 Mark for each item)
Helmet	Yes	Yes	Yes	1
Gloves	Yes	Yes	Yes	1
Safety shoes	Yes	Yes	Yes	1

Summary:

Sr. No	Observations	Recommendations	Action By	Target Date
1	The medical team response was prompt well in time	Encouraged them to maintain the same tempo.	The medical team response was prompt well in time	The Fire & Safety team response was good.
2	Some of the workers are not aware of the Emergency Contacts.	Communication in TBT Meetings	Some of the workers are not aware of the Emergency Contacts	Ensure no ignitions sources near-by

Comments of Head of the Fire & Safety:

Final Rating: Excellent

Critical Points noted & (CAPA):

CAPA: Corrective & Preventive Action Plan.

Signed by Fire & Safety Head

SAFETY MOCK DRILL / EMERGENCY EXERCISE REPORT

Mock drill No	:	01
Scenario Title	:	General fire
Date	:	31.08.2025
Time of Trigger of MD	:	12:15 Hrs.
Location	:	Main Gate
Persons	:	
Incident Controller	:	Mr. V. Chandra Sekhar
Observer (Safety)	:	Mr. S. Srinivasa Raju

Brief of Incident / Scenario: In Adani Gangavaram Port Ltd, Mr. M. Rama Rao ASO (Main gate) While doing Security rounds, he identified the Fire & Smoke from wood & leaf's waste collecting bag, He was immediately informed to the Port control. Port control alerted the Fire & Safety team, medical team and Security team. All emergency teams arrived at the location, Fire crew fire fighting started and completely put off the fire and controlled the event.

Observations (Safety)

- Site staff found well alert and aware of emergency contacts.
- Fire Tender was reached on time & controlled the fire.
- The security team response was prompt and diverted the traffic.
- Ambulance Response was good.

Recommendations for better coordination / response

- During emergencies, any activity should be suspended until all clear signals.
- Maintain good housekeeping.
- Hazardous substance all the fire team must wear fire suits with SCBA.
- Fire team must know thew MSDS before compact with fire.
- All the team members must have proper communication during emergency situations.

Communication Flow:

By	To	Mode Of Communication	Standard Time	Actual Time	Rating (Max.5 Marks/item)
ASO (Security)	**Port Control**	**By Mobile**	2Min.	**1Min**	**5**
Port Control	**Fire Station**	**By VOIP Phone**	2Min.	**1Min**	**5**
Port Control	**Medical**	**By VOIP Phone**	2Min.	**1Min**	**5**
Port Control	**Security**	**By Walkie Talky**	2 Min.	**2Min**	**5**

***(Deduct 01 Number for every 60Sec delay)**

Response Time:

Functionaries	Target Time	Actual Time	Rating (Max.5 Marks/item)

Location In charge	3Min.	2Min.	5
Fire Team	6Min.	4Min.	5
QRT	5Min.	3Min.	5
Medical Team	5Min	2Min	5

Personnel Performance:

Functionaries	**Rating (Max. 5 Marks/item)**
1) Location in-charge response	**5**
2) QRT response	**5**
3) Medical Team	
4) Fire Team	**5**

Emergency Equipment/Systems: **Rating (Max. 5 Marks/item)**

All Fire staff, Security staff, medical staff and working crew wore helmets, shoes and reflective jackets.

Personnel Protective Equipment Used:

PPE	**Working crew**	**Medical personnel**	**Security team**	**Rating (1 Mark for each item)**
Helmet	Yes	Yes	Yes	1
Gloves	Yes	Yes	Yes	1
Safety shoes	Yes	Yes	Yes	1

Summary:

Sr. No	Observations	Recommendations	Action By	Target Date
1	The medical team response was prompt well in time	Encouraged them to maintain the same tempo.	The medical team response was prompt well in time	The Fire & Safety team response was good.
2	Some of the workers are not aware of the Emergency Contacts.	Communication in TBT Meetings	Some of the workers are not aware of the Emergency Contacts	Ensure no ignitions sources near-by

Comments of Head of the Fire & Safety:

Final Rating: Excellent

Critical Points noted & (CAPA):

CAPA: Corrective & Preventive Action Plan.

Signed by Fire & Safety Head

FIRE

AMBULANCE

COPY NO. _____

ADANI GANGAVARAM PORT LIMITED

CRISIS MANAGEMENT PLAN

REVISED – 01st JULY 2024

IN CASE OF ANY EMERGENCY CONTACT:

SIGNAL STATION ON TEL : 0891-2889999
EPABX : 40605
FAX : 0891-2703377
MOBILE : 90002-34479
VHF : CH 16/14

IN CASE OF FIRE CONTACT:

PORT FIRE STATION ON TEL : 7675900100
EPABX : 40604
VHF : CH – 14

2.0 Revision summary

ISSUE NO.	REVISION NO.	REVISION DATE	REFERENCE
01	00	19.05.2011	Vetted by the office of the Commissioner of Police, Visakhapatnam City and changes as recommended vide letter no. C.S.B. 352/S2/XI/2011 were incorporated.
01	01	01.04.2013	Plan revised with updated information, designations and contact details.
01	02	01.04.2014	Plan revised with updated information, designations and contact details.
01	03	01.04.2015	Plan revised with updated information, designations and contact details.
01	04	01.04.2016	Plan revised with updated information, designations and contact details.
01	05	01.04.2017	Plan revised with updated information, designations and contact details.
01	06	01.01.2019	Vetted by the office of the Addl. Director General of Police, Intelligence, AP, Vijaywada vide letter no. I.D. No.5598-1/SW-1/AP/2015-18 dated 17.05.2018. & Plan revised with updated information, designations and contact details.
01	07	01.01.2020	Plan revised with updated information, designations and contact details.
01	08	01.01.2021	Plan revised with updated information, designations and contact details.
01	09	01.01.2022	Plan revised with updated information, designations and contact details.
01	10	01.11.2022	Plan revised with updated information, designations and contact details.
01	11	01.11.2023	Plan revised with updated information, designations and contact details
01	12	01.07.2024	Plan revised with updated information, designations and contact details

ADANI GANGAVARAM PORT LIMITED
CRISIS MANAGEMENT PLAN

ISSUE NO: 1	**DATE: 01.07.2008**
REV: 12	**DATE: 01.07.2024**

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ADANI GANGAVARAM PORT LIMITED
CRISIS MANAGEMENT PLAN

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SECTION - 1

1.1 INTRODUCTION

It has long been recognized that port areas represent a complex interface, between land and sea, between human activities and the natural environment and between different transport modes. **Thus ports have unique safety and environmental protection problems** and the need for a well-integrated emergency action plan remains absolutely essential.

Maritime transport, by its nature gives rise to many hazardous situations, including shipping accidents, such as collisions, grounding and sinking, and accidents arising from the handling and storage of dangerous goods including bulk chemicals and hydrocarbons.

The Port area has a large number and range of potentially hazardous activities going on in close proximity to each other. A shipping incident can effect the land based activities and the surrounding areas and vice versa. An accident in a land based facility such as a chemical terminal or a storage depot can have effects well beyond the perimeter fence of the installation concerned.

1.2 RATIONALE OF CMP

The Ministry of Port, Shipping and Waterways (MoPSW) has issued a template for the preparation of Crisis Management Plan for the ports. The plan is prepared as per this template.
The plan is prepared so as to ensure co-ordination of action of the various departments of this Port and also to evolve policies for co-operation among the various participating organizations external to the Port for combating emergencies within the Port and emergencies which may spread to areas surrounding the Port.

1.3 OBJECTIVES OF THE PLAN

The objective of the CMP is as follows:
a. Improve the understanding of crisis.
b. Prevent crisis and achieve substantial reduction of risk and losses in lives livelihoods, health, and assets.
c. Empower to have prompt response to any threatening situation or crisis.
d. Protect the lives of the employees, ships personnel & crew, stakeholders, contractors & visitors.

e. Limit damage to port & contractor assets, vessel and environment.
f. Safely restore operations back to normal as quickly as possible after the occurrence of any accident.

1.4 SCOPE OF THE PLAN

The scope covers –

- To develop safety culture and risk management.
- The existing preventive and mitigation measures.
- Identification of potential crisis scenarios that are likely to occur considering risk profile of port.
- the preparedness to develop action plan when crisis occur.
- the responses that mobilize the necessary emergency services including responders like NDRF, fire service, police service, medical service including ambulance, government as well as non-governmental agencies.
- the post crisis recovery with the aim to restore the affected area to its original condition.

1.5 MAKING OF THE CMP (METHODOLOGY)

- Identification of potential crisis scenarios through site visit, discussion with port personnel and documents review
- Assigning Roles and responsibilities of CMG and IRT members
- Preparation of SOPs for each crisis scenario
- Review and update plan annually and lesson learned

This plan is also linked to "Port Facility Security Plan"(PFSP) for implementation of "International Ship and Port Facility Security (ISPS) Code in Adani Gangavaram Port Ltd.

It is considered necessary to set up a centralized command body having special financial and legal powers

(1) For controlling activities, personnel and equipment.
(2) For requisitioning external help (mutual aid to cope with the crisis on hand).

1.6 ACTION PLAN – ACTIVATION OF CRISIS MANAGEMENT PLAN

Information of the occurrence of incidents in and around the port area may come from a variety of sources. While dealing with the developing scenario the onsite team members and others will be required to remain calm and maintain situational awareness.

The responsible person or any other person (First observer) noticing an unusual occurrence like a fire /gas release /collapse of structure etc., should immediately notify the Port Control Room/ CISF control room/Fire station with available means of communication and contact the concerned officer of the area.

1.7 ALERT:

It is the duty of any witness at the beginning of an accident or an anomaly which might lead to an accident to give the alert and to act with all available means within the limit of his ability.

An employee of the Port on witnessing any abnormal situation will try to control it by himself immediately with available resources. He will simultaneously inform his superior or the Control Room of the place, type and seriousness of the accident/incident.

Signal for enforcement and withdrawal of disaster control plan, located at CCR.

The disaster control plan will come into effect on sounding of the Siren as follows:

- Sound the siren continuously for 10 seconds.
- Stop for 5 seconds.
- Sound the siren continuously for 10 seconds.
- Stop for 5 seconds.
- Sound the siren continuously for 10 seconds.

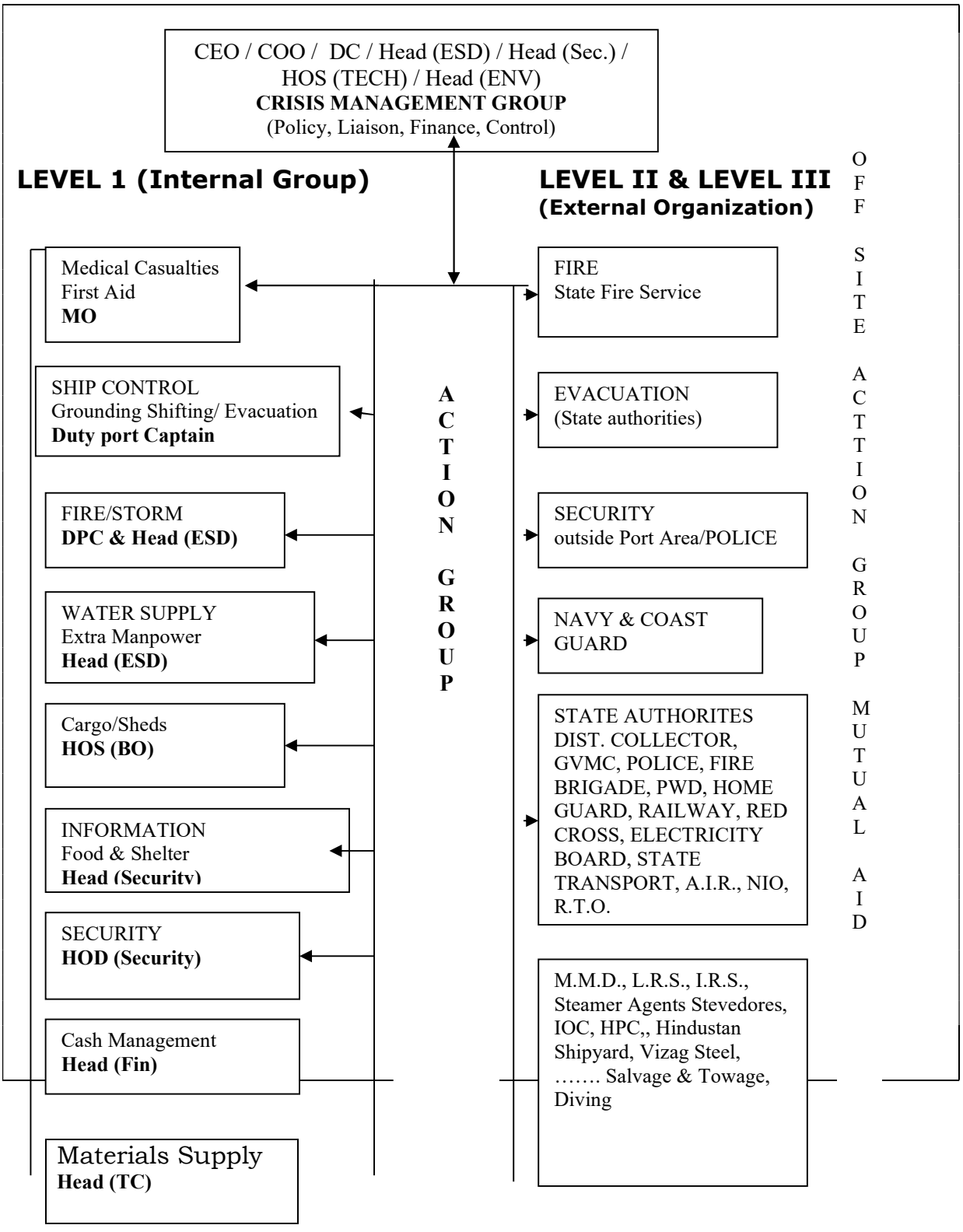
i.e.

Sound	Stop	Sound	Stop	Sound
10 seconds	5 seconds	10 seconds	5 seconds	10 seconds

Signal for withdrawal of disaster control plan Sound siren continuously for 30 seconds.
The sounding and withdrawal of the alarm will be done on the specific instructions of the Main Incident Controller (DC).

SECTION - 2

2.1 ORGANIZATION STRUCTURE



2.2 CRISIS MANAGEMENT GROUP

A team consisting of the Chief Executive Officer, who is the leader of the team, assisted by the Chief Operating Officer, Deputy Conservator, Head (ESD), Head (Security), Head (Tech) and Head (Environment) will form the core of the Crisis Management Group. The team may, depending on the type and extent of the crisis, co-opt representatives of the external organizations.

The responsibilities of the Crisis Management Group:

- Setting up a Crisis Control Room(s).
- Identifying the crisis zone.
- Co-ordinating with the external organizations.
- Monitoring and analysing reports from the Action Group and making alterations in the mode of action-if necessary.
- Support the Action Group with men and materials.
- Monitor that all actions envisaged under this plan are being carried out by the designated personnel and organizations.
- Review the situation, draw conclusions and the necessary lessons on completion of Crisis.

2.3 CRISIS LEVEL

Level I Crisis:

Crisis of all nature, which can be handled by Adani Gangavaram Port Ltd Staff.
It will not affect other organizations in the adjacent area.
It involves only Marine and the Department in whose area the crisis has taken place.
Crisis Management Group Leader – Deputy Conservator.

Level II Crisis:

Crisis of bigger nature
Affecting only Port Area.
Help required from outside agencies.
Crisis Management Group Leader – Chief Executive Officer

Level III Crisis:

Crisis of serious nature.
Affecting not only Adani Gangavaram Port Ltd but also adjacent areas.
Requiring help and coordination from outside agencies to contain crisis.
Law and order may be affected.
Crisis Management Group Leader – District Collector.

2.3(a) ACTION GROUP AND CRISIS MANAGEMENT GROUP FOR ANY CONTINGENCY IN ADANI GANGAVARAM PORT LTD.

The crisis group for any contingencies of level 2 or level 3 comprises of Chief Executive Officer and all other Heads of Departments as members. The action group for all contingencies of level 1, 2 and 3 will function under the leadership of Duty port Captain and all other Dy. Heads of Departments of the port as members.

Action Group

Duty Port Captain
HOS (BO)
HOS (Mech.)
Head (F&S)
FSO
Tugs Maintenance Mgr. (TAHSL)
Head (IT)
HOS (Security)
Head (TC)

Crisis Management Group

CEO
COO
Dy. Conservator
SVP (ESD)
Head (Security)
HOS (Tech)
Head (Environment)

2.4 EMERGENCY TEAM

The telephone Nos. of the members of Crisis Management Group and Action Group are given in Annexure-I.

2.5 ORGANISATION RESPONSIBILITIES

Chief Emergency Controller
Chief Executive Officer

In the absence of Chief Executive Officer
Chief Operating Officer

- Establish Crisis Control Centre.
- Declare Crisis Zone.
- Approve information to media.
- Co-ordinate with 'External' organisations.
- Mobilise 'Internal' co-ordinator.

Chief Incident Controller

Deputy Conservator

In the absence of Dy. Conservator

Duty Port Captain

- Takes over central responsibility from the site incident controller.
- Decides level of crisis and whether to activate off-site emergency plan.
- Instructs SIC (Site Incident Controller) to sound appropriate alarm.
- Directs the shutting down, evacuation and other operations at the port in consultation with Chief Operating Officer.
- Monitors on site and off site personal protection, safety and accountability.
- Monitors that casualties if any are given medical aid and next of kin informed.
- Exercise direct operational control of the emergency related work outside the affected area.
- To monitor control of traffic movements within the port.
- To liaise with the senior operating staff of the fire, police and statutory authorities.
- To issue authorised statements to the news media.

Site Incident Controller
Duty port Captain

In the absence of Duty Port Captain
Tug Maintenance Manager

- Incharge of all crisis action plan and rescue operations.
- Deploy manpower and floating craft.
- Liaise with ship master.
- Maintain constant contact with CEO / COO / DC
- Liaise with Coast Guard, Navy & Fire Service.
- Activate Action Group.

Engineering Coordinator
Head (ESD)

In the absence of Head (ESD)
HOS (ELEC.)

- Arrange/isolate electrical supply/lighting to the affected area if required.
- Arrange for bulldozers - mobile cranes - fork lifts or any other specialized equipment.
- Arrange for fabrication of any special equipment that may be needed for emergency operation.
- Mobilise cargo handling equipments.

Environmental Coordinator
Head (Environment)

In the absence of Head (Environment)
Head (Tech)

- Recommendations to minimise the impact of an accident on the environment, for which it would develop methodologies to control hazardous spills.
- To monitor cooperation with emergency response squads to conduct the actual clean up work during and after the emergency.
- In case of fire and especially if the fire involves toxic/flammable materials, to ensure responsible actions for containing the run off fire water and other water from the damaged units.
- Determine the level of contamination of the site as a result of the accident.
- During cyclone/floods monitor sand bags. Transfer important plans & documents to safer places.

Godown & Cargo Handling Coordinator

Head (Operations)

In the absence of Head(Operations)

HOS (Berth Operations)

- Prepare ships to vacate harbour.
- Arrange to segregate cargo sheds and ships.
- Submit consolidated list of dangerous goods in port.
- Co-ordinate with ship owners, agents for above.
- Mobilise staff to remove cargo in sheds, wharves, etc. out of danger area.
- Operations staff to assist Fire Dept in any emergency.

Logistics Coordinator
Head (Techno Commercial)

In the absence of Head (TC)
HOS (TC)

- Provide fire fighting equipment/chemicals, spill dispersant.
- Monitor stock of fire fighting equipments, chemicals and Pollution control equipments.
- To be ready to meet the replenishment needs of Fire Station/Tugs Maintenance Manager (TAHSL)
- Co-ordinate with Finance Dept for emergency release of funds.

Security Coordinator

Head (Security)

In the absence of Head (Security)

HOS (Security)

- Transport people to Evacuation Centres/Temporary shelters.
- Arrange/Regulate Traffic.
- Cordon off necessary areas.
- Restrict entry of unauthorised personnel.
- Mobilize security staff.
- Liaison with Police/Arrange for wireless communication as required.
- Arrange to issue warning by loud hailers.
- Prevent looting.
- Assist in orderly evacuation.

Medical Coordinator

Head (HR & IR)

In the absence of Head (HR & IR)

HOS (HR & IR)

To Coordinate with Medical officer and

- Arrange First Aid Stations.
- Arrange for treatment of casualities.
- Arrange for sufficient ambulances.
- Contact all hospitals, nursing homes for mobilising para medical people.
- Arrange additional medical aid/equipments as required.

Welfare & Media Coordinator

Head (Corporate Affairs)

In the absence of Head (Corporate Affairs)

HOD (Security)

- Arrange for food & beverage, rooms.
- Arrange to communicate with relatives of employees.
- Liaise with media.
- Mobilize vehicles for personnel & equipments.
- Maintain head count of casualties/missing people.

Organisation Chart

ADANI GANGAVARAM PORT LIMITED

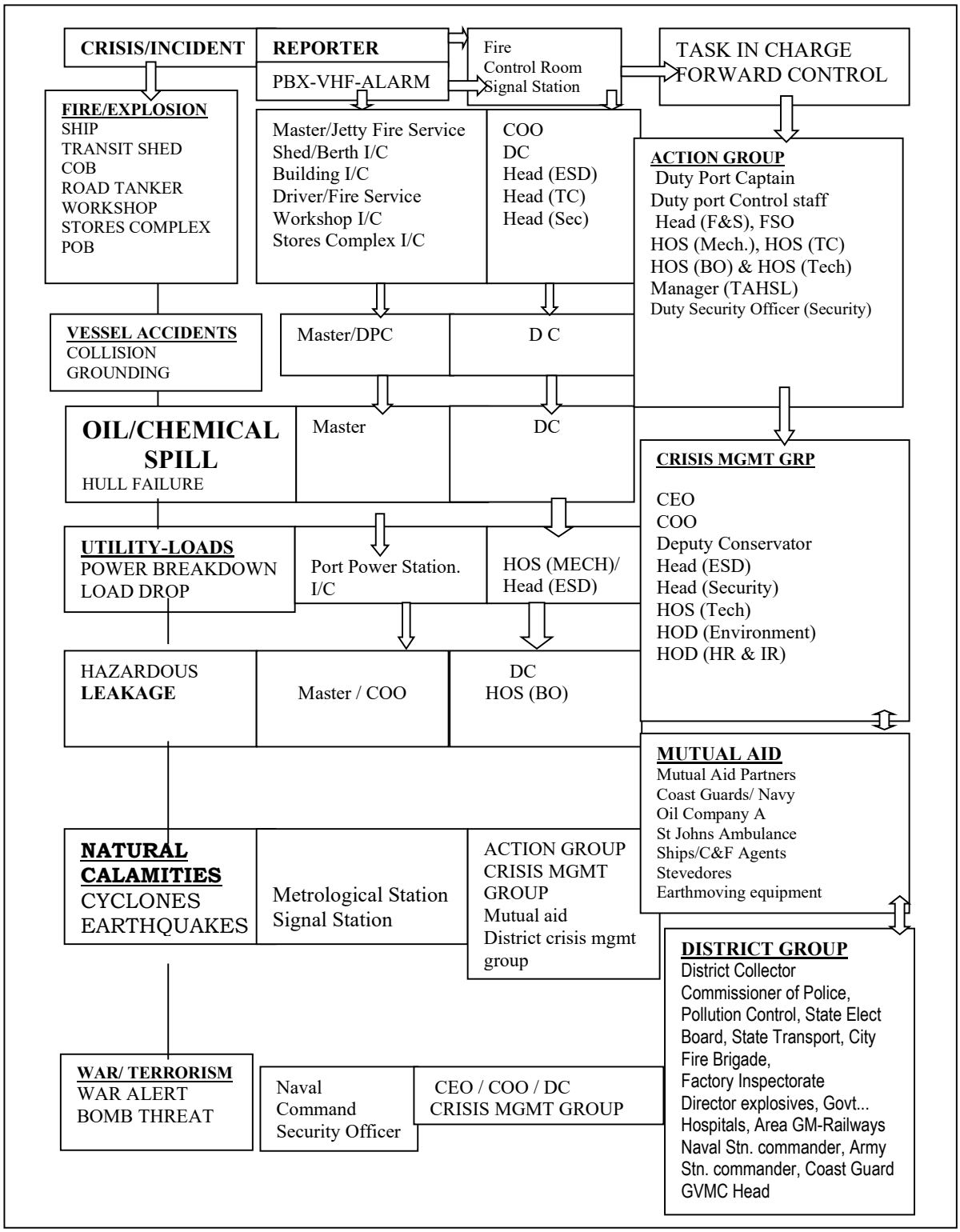
Chief Executive Officer

Chief Operating Officer

- **Marketing & Customer**
  - Head (M & CS)
    - HOS (M & CS)
      - Manager (M & CS)
- **MARINE**
  - Deputy Conservator
    - G M (Marine)
    - Duty Port Captain
      - Tugs Maintenance Manager
      - Manager (Port Control)
- **R & R and SECURITY**
  - Head (Port Security)
    - HOS (Security)
      - Duty Security Officer
- **FIRE & SAFETY**
  - HOD (Fire &Safety)
    - Manager (Fire &Safety)
- **FINANCE**
  - Head (Finance)
    - HOS (Finance)
- **OPERATIONS**
  - Head (Operations)
    - HOS (Berth Operations)
      - Manager
    - HOS (Yard Operations)
      - Manager
    - HOS (Fertilizer Operations)
      - Manager
    - HOS (Railways)
      - Manager
    - HOS (MIS Operations)
      - Sr.Officer
- **ENVIRONMENT**
  - Head (Environment)
    - HOS (Environment)
- **Information Technology**
  - Head (IT)
    - HOS (IT)
- **Techno Commercial**
  - HOD (TC)
    - HOS (Stores)
    - HOS (Purchase)
- **HR & IR**
  - Head (HR & IR)
    - HOS (HR & IR)
- **ESD**
  - Head (ESD)
    - ELECTRICAL
      - HOS
        - Sr.Manager
    - **CIVIL**
      - HOS (Civil)
        - DGM
    - MECHANICAL
      - HOS
        - DGM

SECTION – 3

3.1 COMMUNICATION-COMMAND AND RESPONSE STRUCTURE



SECTION - 4

EMERGENCY FACILITIES

4.1 EMERGENCY CONTROL ROOM

The Emergency Control Room is set up in the Port Operations Building, in the office of the Deputy Conservator. A copy of the On-Site Emergency Action Plan will be permanently placed in the emergency control room. The Action Plans for every contingency are available for ready reference. As soon as the control room comes into operation, one representative from each department shall report for duty to the overall-in-charge.

The control rooms shall have the following equipment:

- Telephones - 1 direct, 1 EPABX Ext., 1 Mobile
- VHF Set - 1 VHF Set Channel 16 and 14.
- Flip Charts with felt pens.

The Secondary Control Room shall be set up in Chief Executive Officer's Office with Head (Security) in attendance (for level III crisis).

4.2 Port Fire Fighting resources.

Fire Fighting equipments	Nos.	Capacity	Location
Water Fire Tender	1	12,000 L Water	Fire Station
Fire Pickup (TATA YODHA) hired	1		Fire Station
Trailer Mounted Fire Pump	2	1,800 L / min	Fire Station
Portable Fire Pumps	4	250 L / min	Fire Station
Fire Hydrants	39	Portable	Berths 2nos& Yards 37nos
Foam Compound AFFF	25 L	Drums	Fire Station
Fire Extinguishers – DCP 5 kg / 6 kg - 182 nos. / DCP 25 kg – 13 nos. / CO_2 4.5 kg / 5 kg – 169 nos. / Mech. Foam 50 L – 12 nos. / Water type 9 L – 12 nos.		Various	In various locations all around the port
Fire Hoses	12		Fire Station
BA Set	1	35 – 45 min.	Tugs
Fire Proximity Suit	1		Tugs
VHF Set	1		Port Control
UHF Set	3		Fire Station and Duty Fire & Safety Officer

4.3 PORT OIL POLLUTION RESPONSE EQUIPMENT

- Floating Oil Boom - 300 mtrs. (With magnetic connectors).
- Oil Dispersant Chemical Spray Unit with monitor - 1 no. (Fixed on Tug "DOLPHIN").
- Oil Skimmer (Capacity 25 m3/Hr.). – 1 no.
- Wooden Boat with crew - 1 no.
- Oil absorbent pads - 10 bales
- Oil absorbent roll - 1 bale
- Dispersant chemical - 2000 L.
- Reception facility on Tug Dolphin 30 - 26 Cu. M.
- Reception facility Tug Dolphin 28 - 20 Cu. M.
- Reception facility shore tanks - 30 Cu. M.

SECTION - 5
EVACUATION

5.1 EVACUATION ACTION

Labour:	**By whom**
• Private Shore Labor	Head (Operations)
• Cargo Handling Workers	Head (Operations)
• Port's Shore Workers	Head (Operations)
• All Civil/Mech/Elect.	Head(ESD)&HOS (Tech) &HOS(Mech.)
• Marine/Flotilla	Tug Maintenance Manager (TAHSL)
• Gangavaram Village	Dy. Collector
• Gangavaram Area	Dy. Collector
• Vishakapatnam Area	Collector

The above Port officials will submit a report to CEO within two hours of receipt of intimation.

Regarding evacuation of private shore laborers, Head (Operations) and Head (Security) should ensure that the port is completely evacuated and there is no entry in the custom bonded area.

Head (Security) will make arrangements for announcements, with the coordination of police through public address system on mobile units. He will procure truck with the help of Head (TC).

Head (security) shall arrange for the schools/colleges to be kept ready for accommodating the evacuated people.

Head (TC) shall ensure to provide adequate drinking water to the evacuated people.

HOS (BO) to inform the entire cargo work contractor.

Head (Security) will do the overall supervision of the work and report/complaints to CEO within two hours of the warning received.

The temporary evacuation centre shall be looked after by the following officers:

Head (Security) shall ensure that temporary evacuation centres are established in the schools/colleges as per the list at Annexure – VIII.

Head (HR & IR) & Medical Officer shall ensure to provide necessary medicine and medical assistance at the temporary evacuation centres.

HOS (Admin) shall provide food at the temporary evacuation centres.

Head (ESD) shall ensure lighting at the temporary shelters.

Head (Security) shall provide sufficient number of vehicles as may be required for evacuation purpose.

5.2 EVACUATION ROUTES

- Natural Calamities - Route No. I.
  Through Custom Gate to
  Main Gate outwards.

  Route No. II.
  Through RINL Access Gate

  Temporary Shelter
  As per the list at Annexure – VIII &
  Section 7 (Page 1of 4)

- For Fire at Berth - Assemble at the extreme west end of berth No. 2 and if necessary move out through Custom Gate outwards.

SECTION - 6

MEDICAL FIRST AID AND RELIEF CENTRE

6.1 Relief Centers

Sr. No.	Relief Centre	BSNL	EPABX	Mobile
1.	Dispensary / First Aid Post-Harbor gate	2889999	40600	7674900100
2.	Ambulance Service	2889999	40600	7674900100

6.2 Contact Tel. Nos. of Specialist Doctors of R.K.Hospital, Chinagantyada.

Sr. No.	Doctor	Hospital BSNL	Hospital EPABX	Residence BSNL	Mobile
1.	C. M. O. & Surgeon				
2.	Physician	2517599			
3.	Gyn. cum Obst.	2517599		-	
4.	Duty Medical Officer	-			

6.3 USE OF ANTIDOTES FOR SELECTED POISONING

POISON	ANTIDOTE	MECHANISM	ADULT DOSE	PEDIATRIC DOSE	CAUTIONS
Alcohols Methanol, Ethylene glycol	Ethyl alcohol 5% solution (Abbott)	Inhibit Metabolism to toxic products	Loading dose (LD) 0.6mg/kg maintenance dose (MD) 109 mg/kg/hr. For oral or masogastric administration use 5% ethanol	Same as adult	Adjust achieve ethanol blood level of 100-200 mg% (22-24 mm ol/L)
Cyanide	Cyanide Antidote kit (Lilly) Any 1 nitrite pearls	Converts Felt in Haemoglobin to Felt so CN can attach to methoemoglobin and freely to chrame oxidose.	Break pearls, one at a time and hold them under the patients nose for 15-30 see each minute until sodium nitrate ready, then stop.	Same as adult	Observe for hypotension. Avoid m H bg of over 30%.
	Sodium nitrate 3% in 10 ml ampoules.	As for amyl nitrate	10 ml of 3% souln (300mg) 1.v slowlyover 3-5 mts.	6-8 ml/m2 (or 0.3 ml/kg) over 3-5 mts; do not exceed 10 ml.	As per Amylnitride. Excessove amounts may result in fatal methofatal methomoglobin mia.
	Sodium thiosulphate 25% in 50 ml ampoules.	Provides excess sulphur to accelerate metaglobism of CN to thiocyanate, a non toxic product.	50 ml. Of a 25% solution gives over a 10mt period.	30-40 ml/m2 (or 1.65 ml/kg)	
Metals Arsenic, lead, Mercury	Dimercaprol (BAL) 100 mg/ml in 3 ml ampoules.	Chelates metal to firm inte	35 mg/kg deep 1.M. every 4 hrs for 2 days; then every 4 – 12 hrs for upto 7 days	500 mg/m2 (or 24 mg/kg) 24 hrs. un-divided doses every 4 hrs. for 5 days.	Observe for hypert-ens tachycardia headache and nausea
	Dimercaprol (BAL) 100 mg/ml in 3 ml ampoules	_do-	50-75 mg/kg/4 hrs deep 1.M. in 2 divided doses or by slow 1.v infusion (total dose over 12.24 hrs) for upto 5 days. No more than 500 mg/kg/course	1000 mg/m2 (or 50 mg/kg) 24 hrs deep 1.M undivided doses every 8-12 hrs for 3-5 days to max. of 2 gms.	Proteinuric, hematura, hyper calcemi fever, lacimation and myalgias may occur.

POISON	ANTIDOTE	MECHANISM	ADULT DOSE	PEDIATRIC DOSE	CAUTIONS
	Paneicillamine (cuprimine)	-do-	250 mg/given orally 4 times daily for 5-10 days	600 mg/M2 (0.30/ kg/24 hrs. orally in 2 equally divided doses to max. of 1 gm.	Leokopenia, thrombosis topenia and raphroti like syndrome may develop.
Narcotics	Naloxone (Narcan)	Competitive antagonism for re-ceptor sites	0.4-2 mg 1.V Push: repeat as needed to 10 mg.	0.01 mg/kg 1.V push: repeat as needed	Administration to an addict may cause a withdrawal syndrome.
Nitrate	Methylele Blue (1% soln.)	Reduces methomoglo-bin to haemoglobin	1.2 mg/kg 1.v 1% soln. Over 5-1	Same as adult	Treatment is not necessary unless methemoglobin is 730 soln. And other fluids may turn blue avoid extravasations.
Hydrogen Fluoride	Antidote	2 to SCC – 10% solution of Calcium gluconate beneath affected part			--
Chlorine	Antidote	Administer oxygen Tablets (1) VOX (2) DIOVOL (3) AMINOFFILLIN INJECTION (1) Decadron (2) Benasol (3) Deriffillin (4) Siquil			
Organo Phosphor ous Com-pounds PARA. ETHION-ENDO-	Antidote MALATHION, PHURATE, SULPHON ETC.	Administer Atropin PAM Injection	Sulphate		
AMMO-NIA	Antidote First Aid	ADMINISTER OXYGEN, GIVE WARMMILL, THOROUGHLY WASH THE AFFECTED PART APPLY 0.9 TO 1% ALUM WATER OR 5% SOLN. OF ACETIC, CITRIC, TARTARIC & SULPHONIC ACID. TAKE THE VICTIM TO FRESH AIR IF OXYGEN NOT AVAILABLE.			

6.4 SOME COMMON INDUSTRIAL EXPOSURES AND THEIR FIRST AID TREATMENT

Sl. no	*EXPO-SURE*	EXAMPLE	TYPE OF INJURY	FIRST AID ACTIONS
1.	IRRITANT CASES	Acid/Alkali Vapours, Ammonia, Chlorine, Dimethyl Sulphate, Flourine, Hydrogen Chloride, Hydrogen Sulphide, Isocyanates, Methyl Bromide, Oxides of Nitrogen (No2) Ozone, Phosgene, Phosphine, Phosphorous Oxychloride, Phtalic Anhydride, Silane, Sulphur dioxide, sulphuric acid, C.S. Acid oleum.	Throat, Nose, Eye and Lung Inflammation with possible fluid collection in lung following large exposures.	1. Removal from exposure 2. Maintain airway 3. Oxygen 6 L/min. 4. Physician Referral 5. Beware of possible 12-24 hr delayed onset of lung symptoms.
II.	ACID/ ALKALI SKIN OR EYE CONTACT	Hydrochloric Acid, Hydrofluoric Nitric, Sulphuric, Acetic, Phosphoric, Aqua-Regia (HCL+ HNO3) Oxalic Acid, C.S. Acid, Ammonia, Sodium Hydroxide, Potassium Hydroxide, Calcium Chloride, Sodium Sulphide, Calcium Sulphate.	Skin or Eye Corrosion Destruction.	1. Immediate wash with Copious water or buffered salt solution irrigation of contact area for no less than 15 minutes usually longer. 2. Remove contaminated clothing. 3. Physician referral if symptoms persist, large painful area of burn, or evidence of eye-injury (pain, Persistent redness vision loss) 4. Usually specific neutralising chemicals are unnecessary if water irrigation is prompt and copious. An exception is Hydrofluoric acid in which calcium gluconate gel or injection is effective.
III	HYDRO-CARBON SOLVENTS	Aliphatics-Hexane, Aromatics-Toluene, Xylene, Ketones NEK Esters-N-Butyl-Acetate, Ethers-Dioxide, Chlorinated-Trichloro-ethane, Perchloroethylene, chlorobenzenes, Preons.	Temporary depression in Brain function (like “high% of drunkenness)	1. Removal from Exposure 2. Decontamination (remove contaminated clothing and wash any contaminated parts if body) 3. Observation until patient regains normal function. 4. Physician referral if condition worsens, vital signs (Pulse, respiratory rate blood pressure) are unstable patient losses consciousness of large exposure.

SECTION - 7
FIRE & EXPLOSION RESPONSE PLAN

7.1 ACTION PLAN IN CASE OF FIRE ON A SHIP ALONGSIDE BERTH

- **ANYBODY NOTICING A FIRE ON BOARD SHIP, SHALL IMMEDIATELY**

- Inform the ship's officer who shall be responsible for raising the alarm.
- Inform Port Fire Station on 2889999 Ext 40604 or VHF channel 14
- Inform Port Signal Station on Tel No.0891-2889987, 9000234479, VHF channel 14/16

- **MASTER/CHIEF OFFICER OF SHIP** to raise internal fire alarm and blow continuous blasts on Ship's whistle to alert the Port.
- Inform Port Signal Station on VHF Ch. 16, 14 or on Tel. No. 0891-2889987 or Mobile 9000234479 and Fire Station on VHF Ch. 14
- Suspend cargo work/ballast operation/bunkering and close all valves.
- Start fire fighting & cooling adjacent areas & prevent spreading of fire.
- Keep main engines ready.
- Disconnect hoses, if any.
- Signal Station to inform Dy. Conservator, Duty Port Captain and Action Group.
- Duty Port Captain to proceed and board the ship with Head (F&S) and fight the fire. Assess crisis level. If at Level - II or III inform crisis management group through Signal Station. Consult with Master and if necessary, decision to be taken to unberth the vessel in consultation with DC.
- Duty FSO with Fire Tender to be standby at berth for firefighting/rescue operations and await instructions from Duty Port Captain. To arrange for additional manpower and chemicals if required. Direct the fire jeep with megaphone to proceed to port area and announce the location and nature of fire and direct the concerned staff to proceed to the location immediately.
- Tugs DOLPHIN 28, DOLPHIN 30 and Tug Ocean Swan to start their pumps for fire-fighting and proceed to vessel for cooling adjacent areas. Wait for further instructions from DC/Duty Port Captain/Ship's Master.
- Signal Station to raise fire alert and co-ordinate between various agencies.
- Mooring crew to proceed to berth and standby for casting off/cutting off mooring ropes.

- Wooden Boat to proceed to the berth with Tug Maintenance Manager (TAHSL) and his staff and standby for instruction of DPC to assist in casting off and rigging of oil booms.
- HOS (BO) to stop cargo operations at the berth and shift cranes. Ensure that the electric power supply is switched off after shifting of cranes. Arrange to shift all inflammable cargo from site. Ensure jeep, truck and ambulance standby at the berth. Arrange for additional fire pump and foam compound. Standby with Messengers.
- HOS (Security) to immediately cordon off the berth. Keep all available vehicles standby at the berth for transferring additional manpower and firefighting equipment.
- Head (HR & IR)/ Medical Officer to alert hospital staff for emergencies and arrange for additional staff. Instruct the ambulance with staff to proceed to the berth.
- HOS (Mech.) to stop operations at Coal & Ore berths. Take up the unloaders / loader arms. Put off all electrical power supply to equipment. Put on standby all firefighting equipment at the Plant and Electrical Sub-Station.
- MASTER or Chief Officer of vessels in adjacent berths shall take precautionary steps to keep all the firefighting equipment ready for use and prepare to vacate berth if required.

ON ARRIVAL

- COO: to proceed to Harbour and take charge from HOS (O).
- HOS (Mech.): to proceed and take over charge of machineries.

- DEPUTY CONSERVATOR

    - To supervise the overall firefighting operation;
    - To co-ordinate and to advise Police, GPL Fire Brigade & VSP Fire Brigade.
    - To update information given to CEO.

7.2 ACTION PLAN IN CASE OF FIRE ON SHIPS AT ANCHORAGE.

In case of fire on a vessel at anchorage, she will directly inform the Signal Station on VHF channel 16 & 14. Besides, she will sound continuous blast on the whistle.

The Duty Signaller will contact the Tug Maintenance Manager (TAHSL), Dy. Conservator, & Duty Port Captain. The Duty Signaller will also inform the Fire Station on EPABX 289999-40604 or 7675900100 or UHF Channel 14.

The duty port Captain is to report to the Port Craft berth immediately.

The Tug Maintenance Manager (TAHSL) to inform the available tugs and Boat crew to be stand-by for further action. HOS (CCO) to ensure that the drivers of the pickup and ambulance are stand-by and ensure that an ambulance is available at the Dispensary.

Duty Port Captains to board the ship by tug along with fire brigade personnel. Tugs will proceed to the vessel for fire-fighting / shifting. Deputy Conservator to inform CEO, COO, Head (Security), S-I-C MMD and agent of the vessel.

Duty Port Captain should consult the Master about the seriousness of the fire and whether it can be controlled. The information gathered should be conveyed to the Deputy Conservator and according to the seriousness of the fire, necessary action will be taken by Duty Port Captain in consultation with the Dy. Conservator.

7.3 ACTION PLAN IN CASE OF FIRE at Mechanical Ship Loader / Un-loader System.

The emergency action Plan is to be followed, whenever a fire occurs at SL / SUL as detailed below. Any fire, even if it is minor in nature has the potential to develop into a major fire resulting in loss of port property human lives/productivity loss etc. Hence, prompt action is required to be taken by all concerned without loss of time.

In SL /SUL the fire can occur due to the following:-

- Running Conveyor beltings
- Electrical fires
- Coal stack fires
- Non-electrical fires

The following actions are required to be taken immediately:

7.3.1 Running Conveyors & Non-Electrical Fires

- Fire incidents of running conveyors are caused normally due to heavy friction between running conveyor belting and jammed/ceased carrying rollers.

- Whenever there is a fire, the Running Conveyor is required to be kept in running condition so that the heat generated is not confined to a particular location. In case of (a) Running Conveyors as well as (b) Non-electric fires, the Operators, Attendants, electrical staff posted/available on duty at the spot should use the fire extinguishers from nearby/location or with the help of sand or water, whatever is available in the vicinity to extinguish the fire. They can take the assistance of other staff available around the site of fire incident.

- Removal of inflammable materials if any in the vicinity.

- The operator and or Attendant to inform CCR and Shift-in-Charge regarding the fire incident.

- The Shift-in-charge to sound the fire alarm at CCR and also contact the Fire Station.

7.3.2 Electrical fires

- Location - Sub Station, CCR, Electrical Houses of mobile machines viz. Stackers, Re-claimers, Ship-loaders and Coal Un-loaders etc.

- In case of electrical fires, the Operators, Attendant, Technicians (Elec.) available on the machines or duty spot should immediately isolate electrical power supply to the machines or equipment by switching off the isolators provided on the machines if possible, and also inform Sub-Station to switch off the concerned feeder.

- The Operators, Attendant or Electrical staff available on duty at the spot should use fire extinguishers, sand or ore or whatever is available in the vicinity to extinguish the fire. It should be noted that water should not be used for extinguishing electrical fires. Water can be used ONLY after ensuring that the electrical supply is totally switched off and safe.

7.3.3 Coal Stack fires

- Anyone noticing fire at the coal stack yard shall inform the Fire Station / Shift-in-charge / Signal Station.
- Shift-in-charge / Signal Station shall inform the Fire Station.
- Duty FSO at the Fire Station shall immediately dispatch the fire tender to the site.
- Shift-in-charge shall ensure that sprinkler system for coal dust suppression is started and the water line is charged for connecting fire hoses for firefighting.
- Fire brigade shall use the fire tender and fire hose connections from the sprinkler water line for dousing the fire.

7.3.4 Duties and responsibilities of various employees of OHS/CHS

- The Operators, Attendant, Tech.(E) who are posted on machines/drive houses etc. on detecting the fire shall immediately inform their superiors and CCR and simultaneously shall make all out efforts to extinguish the fire to the extent possible as explained earlier.

- **The Shift-in-charge** shall immediately switch on the fire/emergency alarm and inform HOS (Mech.) / Head (ESD). He shall also contact the Fire Station and Port Signal Station. Thereafter he shall immediately rush to the spot of the accident and mobilize all man power, equipment, etc. as required. He should also brief HOS (Mech.)/Head (ESD) regarding the gravity of the situation.

- **Head (ESD**) shall visit the site of the fire depending upon its gravity, depending upon the extent of the fire and damage done by the same. All steps should be taken to ensure that the fire is extinguished at the earliest and report is made to investigate the cause of the fire and steps required to be taken to avoid similar instances in future. He shall also take immediate steps for necessary corrective action so that the effect on the SL / SUL operations is minimal. Further action should be taken to intimate DC, COO and CEO as required under the circumstances.

SECTION - 8
OIL/CHEMICAL SPILL RESPONSE PLAN

8.1 ACTION PLAN IN CASE OF OIL SPILL/POLLUTION BY A VESSEL AT ANCHORAGE OR AT BERTH

A. MASTER OF SHIP TO INFORM :

THE PORT SIGNAL STATION ON VHF. CH. 16/14 AND FURNISH PARTICULARS SUCH AS:

(i) Name of the ship
(ii) Likely cause of oil spill.
(iii) Extent of spill.
(iv) Nature of assistance required.
(v) Any other relevant information.

B. ANY PERSON NOTICING OIL SPILL:

To inform Port Signal Station on Tel.0891-2889987 or Mobile No. 9000234479 by using telephone provided at Berth no... or on VHF. CH.16/14 to Signal Station available with shore staff.

C. ANY CREW MEMBERS OF PORT CRAFTS NOTICING OIL SPILL:

To inform Port Signal Station on VHF CH. 16/14 with maximum relevant information.

D. ACTION TO BE TAKEN AUTOMATICALLY BY STAFF ON DUTY

(i) DUTY PORT CAPTAIN & CHIEF ENGINEERS OF TUGS DOLPHIN 28 AND DOLPHIN 30

- To immediately proceed on the spot by tugs to board the vessel and collect oil/bilge water sample as well as sample of polluted sea water around the vessel in containers, supplied by the Tug Maintenance Manager (TAHSL). Samples shall be collected in the presence of Master, Chief Engineer, Duty Engineer, and Duty Deck Officer of the vessel. The samples shall be sealed in their presence and their signatures obtained with date and time on each container. The duty port captain and Tug Chief Engineer shall also sign the containers in their presence and handover the same to Deputy Conservator.

- Duty Port Captain & Chief Engineer of tug will obtain the oil spill report in detail in the following form, from the Master of the vessel;

  a) Name of the vessel.
  b) Name of the Master.
  c) Name of the Owner & Charterer
  d) Name of the Local Agent.
  e) Call sign of the ship, Flag, Year built
  f) Next port of call.
  g) Date and Time of Occurrence.
  h) Cause of Oil Spillage.
  i) Location of Oil Spillage.
  j) Type and Quantity of Oil spilled.
  k) Immediate Action taken.
  l) Weather Conditions.
  m) Any other relevant information.
  n) P&I Club name, validity of cover, contact details of local correspondent
  o) Status of oil record book
  p) Signature of Master with Ship Stamp.

(ii) TUGS MAINTANACE MANAGER (TAHSL)

- Shall collect required lengths of oil booms from Berth No.1 to contain the floating oil. The oil containment booms are stored at berth no.1 store room.
- Shall proceed to the spot with his staff and required staff of shore gang to deploy the oil booms as required.
- Shall arrange Tug at the spot for collecting floating oil.
- When the job is entrusted to the contractor, the Tugs Maintenance Manager (TAHSL) shall proceed with contractor to the spot for cleaning the oil spill under his supervision. He shall actively assist the contractor.
- After completion of the operation the waste materials will be brought ashore by the contractor and his staff for disposal by his truck, under the supervision of Tugs Maintenance Manager (TAHSL).
- Request HOS (BO) to keep a truck stand-by if required to facilitate and expedite the operation.
- Tugs Maintenance Manager shall summon additional staff during out of office hours to assist him. The contact details are given below:
  Shri Kesava narasimhan, Tugs Maintenance Manager, Tel No. 8980016403

(iii) GENERAL MANAGER (MARINE)

- He shall collect 'samples' and hand over to the laboratory to carry out analysis. He will obtain report duly signed by the authorised officer of the Lab together with their charges and to hand over the same to DC.

(iv) DUTY PORT CAPTAIN

- He will issue specific orders to tug DOLPHIN 28 and/or tug DOLPHIN 30 to proceed to the spot to lay the oil containment booms around the spilt oil and start skimming the oil with the help of Skimmer. Remaining traces of oil may be dispersed by spraying Oil Spill Dispersant (OSD). No OSD shall be used without obtaining approval of the Coast Guard.
- All expenditures towards use of port Boat, tugs, oil dispersant chemicals, port vehicles, spill containment equipment, fees for carrying out oil sample analysis, charges of the contractor for carrying out the cleaning operations including private launches etc. will be maintained by the DPC and consolidated bill including overhead element on labour, overhead on materials be levied. Invoice will be prepared and intimated to the Master/Agent for settling the bill prior to sailing of the vessel.
- He will inform the various authorities and agencies concerned as detailed in Annexure-II.

(v) MASTERS / CHIEF ENGINEERS OF TUGS DOLPHIN 28, DOLPHIN 30 & OCEAN SWAN 3

- On orders of the DPC, they will proceed to the spot to lay the oil containment booms around the spilt oil & start skimming the oil with the help of oil skimmer. They shall ensure trouble free operation of 'oil spill dispersant chemical spray' unit.

(vi) DEPUTY CONSERVATOR

- To keep CEO and COO informed about the progress of cleaning of oil spill.

- To write to the Master of the ship, holding him responsible for the pollution and steps likely to be taken to combat oil spill and cleaning operations, if any, indicating likely expenditure to clear oil spill and directing certain amount to deposit with Head (F)'s office before sailing, under intimation to the Local Agents of the ship.
- If required, to appoint contractor and direct him to proceed to the spot with his staff to clear oil spill under the supervision of the Tug Maintenance Manager (TAHSL).
- Inform Nautical Advisor (DG Shipping), Mumbai: Tel. 022 – 22670863/22610606
- Inform Surveyor In Charge, MMD: Tel. 2729431 / 2502148
- Inform Coast Guard: 0891-2547266
- Inform the State Dept. of Environment/The Pollution Control Board, Tel. No. 0891-2755356/2719380

SECTION - 9

NEIGHBOURING ORGANIZATIONS

9.1 ASSISTANCE FROM NEIGHBOURING ORGANIZATIONS

There are possibilities of mishap occurring due to accidental fire, toxic gas release, or pollution in the harbour etc., should such an eventuality arise a large number of resources will be required in the shortest possible time in terms of trained personal, fire tenders, fire fighting personnel, breathing apparatus, personal protective equipments, etc. in order to counter such a mishap. Since it is not practicable to maintain a huge inventory by any single unit to meet an eventuality, it is ideal to seek assistance from neighbouring organizations.

The following neighbouring organizations may be contacted to seek assistance:

- Vizag Steel Plant (RINL)
- Hindustan Shipyard Ltd.
- A.P. Fire and Emergency Services (Pedagantyada)
- Indian Navy
- Indian Coast Guard
- Hindustan Petroleum Corporation Ltd.
- Visakhapatnam Port Trust

Telephone Numbers of neighbouring organizations are listed in the Annexure-IX.

Emergency Condition:
Emergency condition, with all its related expressions, shall mean and include the occurrence or any other following eventualities viz.

- Fire
- Toxic Gas Release
- Explosion
- Any other mishaps similar mishaps.

Individual Company's resources are not adequate to control over situation then the resources can be mobilized from neighbouring organizations to control the situation.

Resources available:

The available resources that can be spared during emergency from neighboring organizations are to be ascertained from the organization from the contact persons as per Annexure – IX.

Standardisation of equipment:

All types of equipment required for fire fighting for using under this scheme should preferably be according to relevant BIS with ISI marking.

Replenishments:

All the materials from neighbouring organizations consumed during emergency control operation for example, dry powder, foam, CO_2 and other material can be replenished with similar type of material at the earliest.

SECTION - 10

VESSEL ACCIDENTS RESPONSE PLANS

10.1 ACTION PLAN IN CASE OF GROUNDING OF A VESSEL IN PORT

- The Master/Pilot shall contact Adani Gangavaram Port Ltd Control on VHF channel 16/14 and give detailed information about the grounding of the vessel.

- Port Control shall mark the position of the grounded vessel on Radar display screen. Thereafter he shall inform Dy. Conservator, Duty Port Captain. Port Control shall maintain a proper log for recording all the messages passed between the ship and port authorities. Port Control shall also pass messages to all ships giving information about the position of the grounded vessel.

- Duty Port Captain shall board the vessel immediately and assess the situation, the state of tide, wind, etc. If required, the Dy.Conservator will also board the vessel, for giving assistance for carrying out re-floating operation.

  Dy. Conservator to inform the CEO and COO and Surveyor- In-Charge – MMD.

- The vessel shall display a day and night signal indicating that the vessel is grounded.

- Tugs Maintenance Manager (TAHSL) shall get all available tugs/Boat and crew standby and await orders of the Dy.Conservator/Duty Port Captain.

- General Manager (Marine) shall proceed to the grounded vessel in survey launch with his staff and obtain soundings along the vessel by using echo sounder and hand lead, plot them on a chart and submit the same to Harbour Master on board the vessel. He should also fix the exact position of the grounded vessel on Harbour Chart.

- The Master shall frequently obtain soundings of all tanks and maintain a record. The Master shall also obtain hand-lead sounding right round the vessel and plot them on a chart. Immediately after grounding, the Master shall instruct the Chief Engineer of his vessel to change over to the high suction for cooling water purpose for the machinery. After ascertaining the situation, action shall be taken to transfer oil and pump out bilges or transfer of cargo to lighten the draft of the vessel as per the soundings available on the grounded area. The ship shall prepare all her tow ropes including the insurance wire if required for pulling the vessel from the grounded position.

- Depending on the way the vessel is grounded and the available high tide on the day in question, all advance preparation shall be made to commence the towing operation at least two hours before the high water. If possible ship's engine should also be kept standby for using while trying to re-float the vessel.

- The salvage pumps available with the ship repairing firms may be requisitioned if required by the Dy. Conservator.

- If required, the assistance of the following local diving firms may be requisitioned.

Sr. No.	Name of the Firm	Office Tel. No.	Residence Tel. No.	Mobile
1.	M/s. Sri Bhavani Underwater Services, Vizag.	2508644		9440191414 9440188587
2.	Yamuna Diving Services, Vizag.			9849102368 7661887097

- In case the vessel cannot be re-floated within a day, a navigational warning should be sent to the Chief Hydrographic Officer, Dehradun, and same shall also be transmitted through Signal Station VHF.

- A Harbour Notice shall also be issued to all concerned by Dy. Conservator.

10.2 ACTION PLAN IN CASE OF COLLISION

ACTION TO BE CONSIDERED	ACTION BY PORT	ACTION BY VESSEL
IMMEDIATE ACTION 1.Slow down and stop main engines 2.Sound Emergency Alarm: 3.Check for possibility of oil pollution 4..Effect appropriate damage and pollution controls		OOW / Master
INITIAL RESPONSE-COMMAND CENTRE 1-Establish communication with other vessel and exchange information 2-Advise other vessels to keep clear-Hoist NUC Lights 3-Advise port for assistance 4-Advises agents of status requests surveyors-Class-P&I-Salvage association-owners Supdt 5-Secure evidence and maintain adequate records	Action Group DPC & Tugs Maintenance Manager with standby tugs	Command Centre
FURTHER RESPONSE-EMERGENCY TEAM		
1-Inspect/assess damaged area-reports to Command Centre-In case oil leakage determine whether separating vessels will increase oil spill rate 2-Ascertain oil pollution-ascertain leak source- if pollution requests port for immediate assistance 3-DPC shall board both vessels for inspection & keep tugs standby. 4-Sound all bilge, ballast and fuel tanks 5-Transfer oil from leaking tanks 5-Check damage stability and stress criteria 6-Effect damage control and temporary repairs to stop oil leakage with the assistance of port action group and underwater welding team or salvage group	Action Group u/w welding Salvage	Emergency team
SECONDARY RESPONSE- SUPPORT TEAM		
1-Provide First Aid 2-Prepare Lifeboats 3-Shut All W/T doors and vents 4-Assist as directed		Support Team Support Team Support Team Support Team
FURTHER RESPONSE-ENGINEERS TEAM		
-Attend engine room controls and services 2-Investigate engine room for damages and water ingress 3-Check switchboard for low insulation 4-Check steering gear 5-Report status of main engine and auxiliaries to Command Centre and Duty Port Captain 6-If vessels have blocked channel-tugs standby and vessels taken to repair berth/anchorage awaiting class surveyors recommendations	Duty Port Captain	Engineers Team

10.3 ACTION PLAN IN CASE OF SINKING OF VESSEL WITHIN THE PORT

ACTION TO BE CONSIDERED	ACTION BY PORT	ACTION BY VESSEL
IMMEDIATE ACTION		Master
1. Maneuver vessel clear of channel, turning basin to appropriate area		
2. Duty Port Captain to proceed to area with tugs	Action Group	
3. Rescue Personnel	Action Group	
4. Mark wreck area with buoys and inform Signal Station to broadcast	Tugs Maintenance Mgr. (TAHSL)	

SECTION - 11

UTILITY RESPONSE PLAN

11.1 ACTION PLAN IN CASE OF TOTAL FAILURE OF POWER SUPPLY

11.1.1 AT SL / SUL:

The power to SL /SUL is fed by 33 KV Feeder from Eastern Power Distribution Company of Andhra Pradesh Ltd (EPDCL). The worst crisis would be when Simadri power plant fails.

Following steps are suggested to meet such crisis:

Engineer-in-charge Electrical Sub Station I & II will contact Main Receiving Sub Station (MRSS) of EPDCL to find out the exact cause and likely duration of power failure and

- Prepare for starting standby generators wherever provided and operate change over switch at Sub-Stations for working of P.A. System.

- Switch on the emergency lights and provide supply to water pumping station.

- Announce on the Public Address System to alert working employees not to indulge in any activity which could lead to an accident.

- Undermentioned to be informed in the following order :

  (a) CCR
  (b) Security at Main Gate and Custom Gate
  (c) Head (ESD)
  (d) HOS (Mech.)
  (e) CEO
  (f) COO
  (g) DC
  (h) Signal Station.

- Depending upon the level of crisis, contact the Eastern Power Distribution Company of Andhra Pradesh Ltd (EPDCL) to arrange restoration of electricity Department Supply.
- Offer necessary help that may be needed by the Electricity Department.

11.1.2 TOTAL POWER FAILURE AT PLACES OTHER THAN SL/SUL:

Person in charge at site shall:

- Contact Sub-Station I or II /SL / SUL
- Inform
  (a) Port Signal Station
  (b) Port Fire Station
  (c) Other concerned department
- Have the stand by Diesel Generator Set started immediately.
- Depending upon the level of crisis, contact the Eastern Power Distribution Company of Andhra Pradesh Ltd (EPDCL) to speed up supply of electricity supply.
- Offer necessary help that may be needed by the Electricity Department.

11.2 ACTION PLAN IN CASE OF MAJOR EQUIPMENT FAILURE

Person in charge at site shall:

- Intimate all concerned departments who are affected by the non-availability of the equipment and approximate period of non-availability from breakdown.
- Investigate to assess extent of the breakdown and damages caused, if any, to other components, etc.
- Refer to manufacturer's/supplier's manuals for laid down/prescribed guidelines, if any, to attend to the breakdown and spares required for replacement.
- Check position of required spares with Head (TC).
- Contact other Ports or Organizations using similar equipment for spares/technical guidance etc.
- Contact manufacturers/suppliers of the equipment by telephone/email/fax or other possible means in respect of any doubts/clarifications, necessary spares required/services required, etc., if found necessary.

- List down step by step procedures/methods recommended to be adopted to attend to the breakdown of the equipment.
- Plan and organize properly sectional/departmental facilities, staff, tools, tackles, etc. for attending the equipment under breakdown on round the clock basis.
- Contact other departments also for any additional facilities/services etc. required from them and for their availability when required at short notice.
- Contact outside local/outstation agencies/contractors for any of their services/facilities required.
- Follow step by step methods prescribed/worked out to attend to the equipment under breakdown for necessary repairs/replacements.
- Re commissions the equipment after necessary trials.
- Inform all concerned about commissioning of the equipment.
- Investigate in detail causes of failure and remedial steps to prevent recurrence.

11.3 ACTION PLAN IN CASE OF CRISIS IN WATER SUPPLY

The water supply to Port is received from Greater Visakha Municipal Corporation (GVMC). The approximate quantity of water received from GVMC per day is 800 Cu.M. The port has one over head tank of capacity 200 Cu.M and one underground reservoir of capacity 2000 Cu.M.

To meet an emergency arising out of poisoning/contamination of water supply sources, the matter should be brought to the notice of any one or all of the following officers at their office or residence depending on the time of the incidence, who will take immediate needed steps:

Sr. No.	Designation	Office		Residence	Mobile
		BSNL	EPABX	BSNL	
1.	HOS (Mech.)	2889999	40709		9989099799
2.	HOD(ESD)	2889999	40515		9248091985
3.	HOS (Civil)	2889999	40765		9248091940

HOS (Mech.) will be nodal officer

In case of electrical/mechanical assistance for pumping out of contaminated water etc. the matter will be brought to the notice of the following officers by Head (ESD) who will render immediate assistance:-

Sr. No.	Designation	Office BSNL	Office EPABX	Residence BSNL	Mobile
1.	Head (ESD)	2889999	40515		9248091985
2.	HOS (Mech.)	2889999	40709		9989099799
3.	HOS (BO)	2889999	40556		8980015282

In case of contamination of water supply to ships, barges etc., either from hydrants or through water barge, the matter should be brought to the notice of the following officers for needful action:

Sr. No.	Designation	Office BSNL	Office EPABX	Residence BSNL	Mobile
1.	DC	2889999	40591		7675992111
2.	DPC	2889999	40593		9246639400

For meeting any emergency needed for security of wells, pipelines, sumps etc. the following officers will be contacted by Head(ESD) / HOS (Civil) who may render required assistance.

Sr. No.	Designation	Office BSNL	Office EPABX	Residence BSNL	Mobile
1.	HOD (Security)	2889999	40508		6358877456
2.	HOS (Security)	2889999	40780		9848484111

To take emergency steps to treat the patients suffering from consuming contaminated water, contact:

Sr. No.	Doctor	Office BSNL	Office EPABX	Residence BSNL	Mobile
1.	Medical Officer	288999	40601		9949287788

Head (F&S) and FSO shall mobilize staff and form groups; one for informing each and every building and other places of consumption regarding contamination of water and another for mobilizing the water tanker through contractor to collect water from sources not contaminated after conducting test with the help of Environment Cell staff / Manager and making sure of its potability to supply to operational areas, offices etc. The Fire Tender attached to the Fire Brigade shall also be made use of for this purpose.

Head (ESD) shall simultaneously alert the DC and Head (Security).

Head (Security) shall be intimated immediately so that he can take charge of transporting patients who have consumed contaminated water, to the nearest hospital. Head (Environment) shall also be requested to test the water from different sources to verify its potability and also for assessing the nature of contamination and to advise remedial measures to be taken in the shortest possible time.

In case of any contamination of water by bacteria causing jaundice etc. all occupants of the building and other places of consumption will be advised to drink water only after boiling it for half an hour and filtering.

. DC/DPC will be advised to alert the ships that water supply will be either limited or will not be supplied with any water depending on the severity of the situation. DC will also be requested to keep the Fire Tender in readiness to assist any cases arising out of consumption of contaminated water.

HOS (Security) will also be alerted to keep a strict vigil against acts of further sabotage and contamination by poisoning etc. so that he can arrange posting of required personnel along the pipeline and at other water supply installations like sump well, jetty, workshop etc.
The alert will be removed once the condition comes back to normal.

11.4 ACTION PLAN IN CASE OF PERSON FALLING IN THE DOCK WATERS

- Person noticing the incident

  - To raise alarm and throw life buoy placed at all berths and in Port Crafts.
  - Inform signal station on mobile no. 90002 34479, Tel. no. 0891-2889987 or VHF CH.14/16 as soon as possible.

- Signal Station to alert

  - Tugs/Boat and direct pilot/mooring launch to proceed to the incident scene immediately.
  - Mooring crew to reach the spot to assist in rescue operation.
  - Fire & Safety to reach the scene with ambulance.
  - Concerned head of the dept. and COO.
  - Inform DC

- In case the person fallen overboard is not found

  - COO to engage diver in consultation with DC/DPC
  - Head (Security) to inform the local police in case of casualty of the person.

SECTION – 12
NATURAL CALAMITIES

12.1.1 ACTION TO BE TAKEN IN CASE OF STORM WARNING NO.1

1. Monitor IMD web site for location of the depression and forecast issued.
2. Circulate weather bulletin to all departments issued by IMD for their information.
3. Inform the management regarding forecast.
4. All HOD's are to be informed regarding the storm forecast during daily Operations meeting.

12.1.2 ACTION TO BE TAKEN IN CASE OF STORM WARNING NO.2

1. Monitor IMD web site on regular basis for location of the depression/ cyclone and forecast issued.
2. Circulate cyclone warning bulletins to all departments issued by IMD for their information and necessary precautions.
3. Keep the management updated with the forecast and track of the cyclone.
4. Port Control to monitor weather parameters closely and record wind speed, wind direction, sea state and barometric pressure every 4 hrs and if the weather deteriorates further then even at shorter duration.
5. All vessels in the port, including at anchorage, are to be advised regarding approaching cyclonic storm. Vessels at berths are to be advised regarding additional precautions to be taken.
6. All HOD's are to be informed regarding approaching cyclonic storm during daily Operations meeting.

12.1.3 ACTION TO BE TAKEN IN CASE OF STORM WARNING NO.3 & 4

1. Monitor IMD web site on regular basis for location of the cyclonic storm and forecast issued.
2. Circulate cyclone warning bulletins to all departments issued by IMD for their information and necessary precautions.
3. Keep the management updated with the forecast and track of the cyclone.
4. Port Control to monitor weather parameters closely and record wind speed, wind direction, sea state and barometric pressure every 2 hrs.

5. All vessels in the port including at anchorage are kept advised regarding approaching cyclonic storm by VHF through Port Control. All vessels at berths are to be advised to keep their vessel in state of readiness to suspend cargo operations and vacate berths to shift to anchorage.
6. All HOD's are to be informed regarding the expected intensity and track of the storm during daily Operations meeting.
7. Staff of the port crafts to be instructed regarding precautions to be taken.

The Dy. Conservator shall inform the CEO and COO.

The DC/DPC shall contact all the ship agents on telephone and ships in Port by a special messenger or on VHF. He should ask all ships in Port to be standby on VHF channel 16. HOS (Mech.) will take steps for safety of the Plant and cranes. COO should warn all stevedores and if necessary get the cranes shifted to safer positions. If the vessels are surging, COO may stop cargo work at his own discretion. He should inform HOS (BO) to secure all the cranes in position and also take precautionary measures for safeguarding cargo which is lying at the wharf area. HOD (Security) to contact the Supdt. of Police who in turn will be required to contact the Director of Fisheries and other concerned officials of the State Govt.

Tugs Maintenance Manager (TAHSL) shall instruct the tugs and launches to keep their engines standby. He shall inform the ships alongside berths to double up their moorings and he will direct the shore mooring crew to assist the vessels in providing additional moorings. They should also ensure that the ships are provided with extra springs.

Tugs Maintenance Manager (TAHSL) shall ensure that all idle crafts are shifted to no.9 Berth. Necessary action in this regard should be reported to the Harbor Master.

Duty Pilot shall proceed to the Harbour on receiving information from the Signal Station/ Deputy Conservator and should ensure that the ships have their engines ready and sufficient crew on board, and check-up all moorings of vessels alongside berths including port crafts. He should contact all the vessels at anchorage and ensure that they keep their engines standby. Duty Pilot and the Deputy Conservator should ensure that extra cable is laid off by vessels at anchorage and Masters should be directed to keep the second anchor standby. Duty Pilot to patrol the harbour in pilot launch to ensure that, all the vessels have taken safety measures.

12.1.4 ACTION PLAN IN CASE OF STORM SIGNAL 5 TO 7

1. Monitor IMD web site on regular basis for location of the severe cyclone and forecast issued.
2. Circulate cyclone warning bulletins issued by IMD to all the departments for their information and necessary precautions.
3. Keep the management updated with the forecast and track of the cyclone.
4. Port Control to monitor weather parameters closely and record wind speed, wind direction, sea state and barometric pressure every 2 hrs.
5. All vessels in the port, including at anchorage, are kept advised regarding approaching cyclone by VHF through Port Control. All vessels at berths are to be advised to keep their vessel in state of readiness to suspend cargo operations and vacate berths to shift to anchorage at short notice.
6. Berths are vacated by the vessels as decided by the port.
7. All HOD's are to be informed regarding the expected intensity and track of the storm during daily Operations meeting and they are advised to take relevant necessary measures to prevent damage to equipment and machinery and reduce manpower to the minimum to maintain essential services.
8. Activate crisis control centre.
9. Secure berth areas.
10. Advise Operations department
- To suspend cargo operations
- To secure cargo handling equipment at their respective storm locking positions.
- To secure all loose items which are likely to shift and cause damage.
- To shift cargo away from waterfront area.
- To evacuate labourers from the berth areas.
- To secure go downs.
- To evacuate all vehicles and mobile equipment from the berth areas.

11. Advise Engineering Services department
- To secure cargo handling equipment at their respective storm locking positions.
- Conveyors to be vacated free of cargo.
- To secure all loose items which are likely to shift and cause damage.
- To evacuate manpower from the berth areas.
- To evacuate all vehicles from the berth areas.

12. Advise fire station to prepare for any flood situation due to heavy rain.
13. Inform port crafts to vacate berth and remain at anchor in the turning circle. Engines may be used to maintain position.

12.1.5 ACTION PLAN IN CASE OF STORM SIGNAL 8 TO 10

1. Monitor IMD web site on regular basis for location of the very severe cyclone and forecast issued.
2. Circulate weather bulletin to all departments issued by IMD for their information and necessary precautions.
3. Keep the management updated with the forecast and track of the very severe cyclonic storm.
4. Port Control to monitor weather parameters closely and record wind speed, wind direction, sea state and barometric pressure every hour and keep DC / HM informed.
5. To evacuate all personnel from port area.
6. To advise security department regarding no entry to port premises.
7. To keep port management informed of the situation.
8. To keep Medical Team standby for first aid.
9. Port crafts to take all necessary measures to ensure they remain in the turning circle and away from berths.

12.1.6 ACTION WHILE EXPERIENCING STORM

1. No entry is permitted to the port.
2. Port Control to monitor weather parameters closely and record wind speed, wind direction, sea state and barometric pressure every hour and keep DC / DPC informed.
3. Monitor IMD web site closely for location of the very severe cyclonic storm and forecast issued.
4. Circulate cyclone warning bulletins issued by IMD to all the departments for their information and necessary precautions.
5. Keep in contact with port crafts and monitor their positions.
6. To keep port management informed of the situation.

12.1.7 ACTION TO BE TAKEN BY SL/SUL STAFF IN STORM

A. Ship Un-loaders:

- Machine to be travelled to the designated location.
- Anchoring bolts to be fixed in position.
- Rail clamps to be tightened.
- Grab bucket to be rested on the hopper in fully open condition.
- Doors and windows of the 'E' House to be closed and bolted.
- All the doors and windows of the Operators Cabins to be closed and bolted.
- Outgoing feeder to be switched off at the Sub-Station.

B. Stackers and Re-claimers:

- Machine to be travelled to the designated position.
- Boom to be slewed into the forked stand but not rested.
- Slew locking bolts to be fitted.
- Anchoring arrangements to be made for base frame.
- Rail clamps to be tightened.
- All wheels, particularly of the tripper car, to be wedged.
- 'E' house and Operators cabin windows and doors to be closed and bolted after switching off all the drives.
- Outgoing feeder in sub-station to be switched off.

C. Ship-loaders:

- Conveyors to be cleared of all the cargo.
- C. T. be brought to locking position and locked.
- Close all the doors and windows of the front operator's cabin and operations continue only from the rear cabin.
- Boom to be hoisted and locked.
- Travel the machine to the designated location and fix anchors.
- Rail clamps and L. T. brakes to be tightened.
- Tripper car wheels to be wedged.
- Close all the doors and windows of the 'E' House and Operators Cabin after all drives are switched off.

D. Drive House and 'E' House:

- All doors and windows to be closed and bolted after putting off all the respective switches.
- Outgoing feeders to be put off from Sub- Station.

E. Conveyors:

- Inclined portion of all the conveyors should be tied down after clearing the belts.

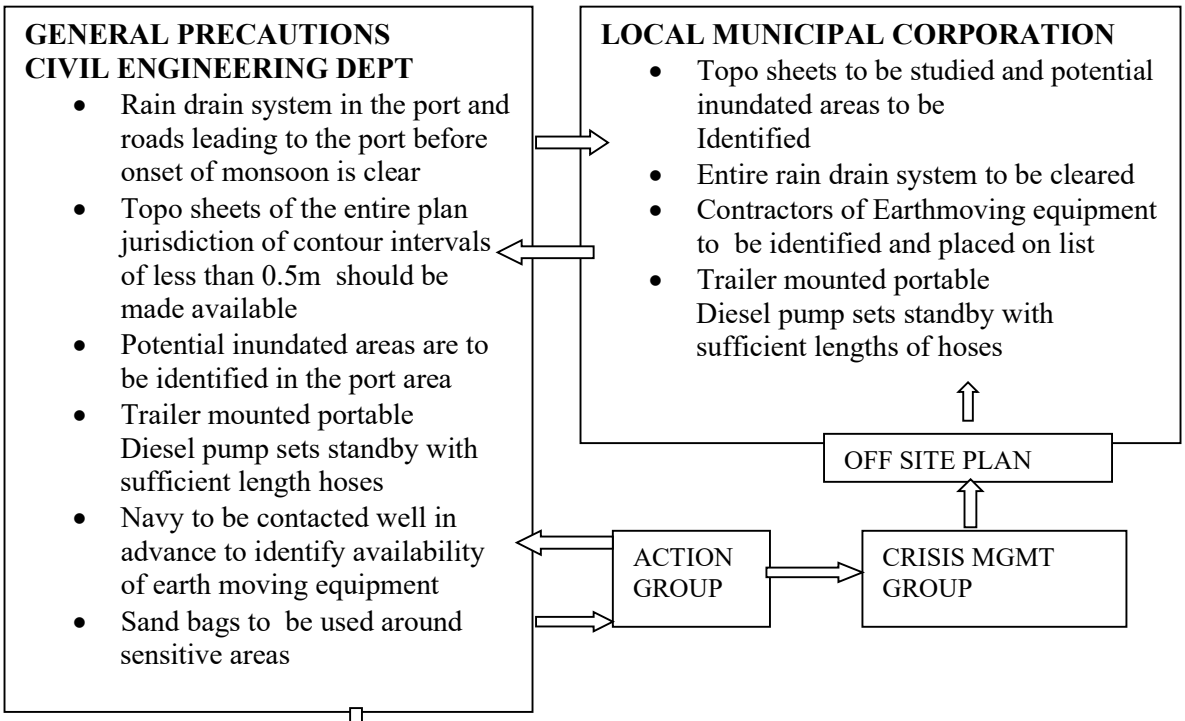
F. Mobile Equipment:

- The mobile equipment will be parked in a protected shed in the case of storm.

12.1.8 ACTION TO BE TAKEN AFTER EXPERIENCING THE STORM FOR RESTORATION OF NORMAL OPERATIONS

1. Carry out hydrographic survey of the channel, turning circle and berth face areas to ascertain available depth of water required for safe navigation and berthing of vessels.
2. Check location and working status of channel marker buoys and other navigational aids.
   Ensure all channel marker buoys are in proper position before permitting navigation of vessels in the channel.
3. Engage divers to carry out under water inspection of berth face areas for any fallen material/ objects which may cause obstruction to safe berthing of vessels.
4. Engage divers to carry out under water inspection of berth pilings etc for structural integrity prior berthing of any vessel.
5. Check functioning of VTMS comprising of radar system, AIS, VHF communication and weather monitoring system.
6. Check the condition of berth fenders.
7. Verify Structural condition of all berths and take confirmation from civil engineering department prior berthing of any vessel.
8. Check functioning of fire - fighting equipment and pollution response equipment.
9. Take confirmation from port crafts regarding their availability and efficient operational status.

12.2 ACTION PLAN IN CASE OF FLOODS



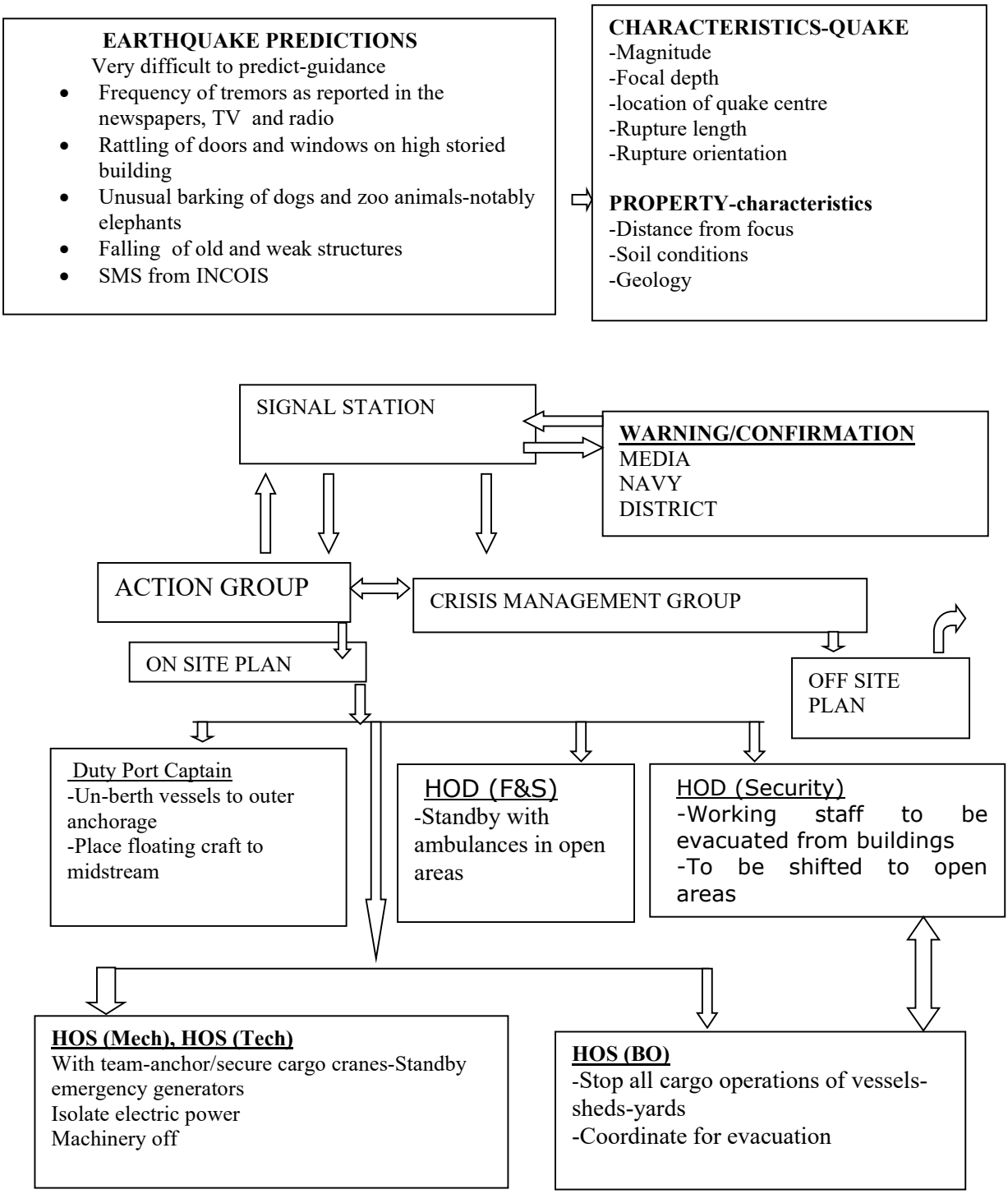
The Field Units

FSO	1
Fireman	2
Head (ESD)	1
HOS (Mech.)	1
Total	5

GENERAL FUNCTIONS OF FIELD UNITS

- All the outside installations and equipment shall be properly secured.
- Safety of workmen on duty shall be given priority during action and all efforts shall be made to evacuate departmental held up workmen.
- Operator's cabin doors of all the equipment and vehicles shall be kept shut.
- Doors and windows of permanent buildings must be properly shut.
- Important documents/files/records must be stored well above the floor vessel.
- Power supply to be switched off before leaving the building.
- All mobile cargo equipment to be secured

12.3 ACTION PLAN IN CASE OF EARTHQUAKE



- Earthquakes may or may not give any warning before it hits. Sometimes, low magnitude tremors may be felt before a bigger one hits. But usually the time is too short to realise and act. Before anyone can act, the damage and devastation is done. Similar is the case with flash floods.

- Assess the extent of damage and mobilise relief work accordingly. Surrounding areas are likely to be affected and relief work will have to be carried out there as well.

- Earth-moving equipment, cranes, medical help, manpower, fire fighting equipments may be required. External help from the Navy/Army may be required as they are trained to help in such calamities. AGPPL personnel and equipment will co-ordinate with Army/Navy for relief work, if required.

- All HODs to assemble and co-ordinate in the relief work under charge of the CEO. Department wise action plan in case of natural calamities is placed at Appendix – A.

12.4 ACTION PLAN IN CASE OF TSUNAMI

- PREDICTIONS: If any, may be received from INCOIS. Will have to rely on TV, radio report and Central Govt. agencies for forewarnings, if any. Tsunami may be caused due to earthquake in the region.

- CHARACTERISTICS: Tsunami is to be expected when there is a sudden, unexpected fall in water level. On the beach, it is apparent by a sudden unexpected drying up of the beach due to fast receding water.

- OBSERVATIONS: Tidal level should be monitored continuously and compared with expected levels. A variance between the two is likely to indicate the presence of a Tsunami in the region.

- ACTION PLAN: All non essential personnel to be evacuated to a higher ground (at least 30mtrs. above sea level or proceed at least 3kms. by distance). All other actions to be taken as per action plan in case of an earthquake. All vessels must proceed to sea, into deeper waters, at least more than ten miles from the coast. Other vessels which cannot go to sea must attend to their mooring ropes continuously. Crew to wear life jackets. Vessels to maintain communication link with Port Signal Station.

12.5 RELIEF WORK WILL BE DISTRIBUTED AS FOLLOWS:-

CEO	Overall in-charge
DC	To liaise with Navy, Army, etc. To see to the safety of ships and port crafts at the berths.
Head (ESD)	To provide earthmoving equipments, cranes, forklifts, bulldozers, pneumatic hammer. Also to ensure his dept. maintains electric supply and safety of cranes, etc.
HOS (Tech)	Deployment of Engineers and staff for directing/guiding earthmoving/crane equipments in the removal of debris.
Head (Security) Medical Officer	To provide food, transport and other relief measures, also to coordinate with Police, Collector, Army, and Navy as required. To provide ambulance and medical relief.
COO	To ensure safety of godowns and cargo.
Head (Security)	To deploy full strength for assisting in rescuing trapped persons and for safeguarding against pilferage.
Head (F&S)	To help in clearing debris and rescuing trapped persons.

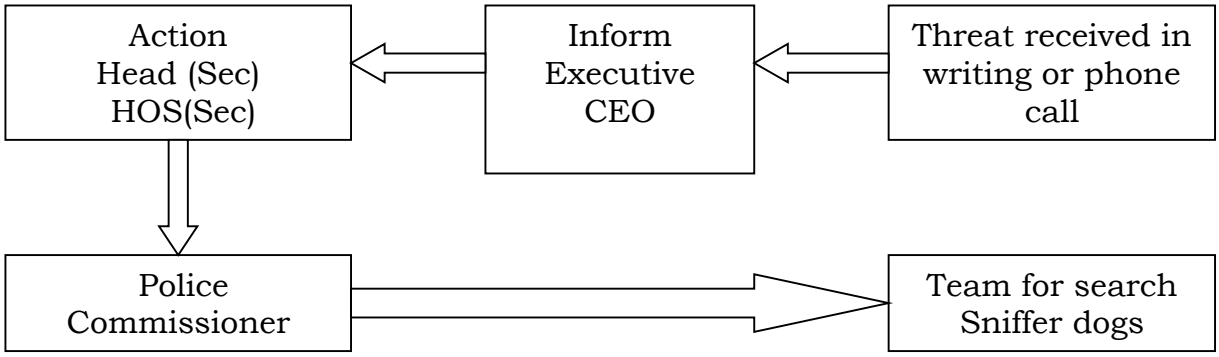
SECTION – 13

WAR/TERRORISM

13.1 BOMB THREAT

Objectives:

- To avoid loss to lives and property.
- To eliminate panic and build up confidence.
- To be prepared for the safe handling/disposal of a bomb.



Bomb threat is to be considered Level II or Level III Crisis.

Head (Security) / HOS (Security) Responsibilities

- Apprise – CEO, COO, Deputy Conservator and Duty Port Captain of contemplated action.
- Requisition fire tender and ambulance and station them at safe distance. Prepare threatened area for firefighting, casualty handling, search and rescue operations.
- Prepare for partial/total evacuation as required by CEO.

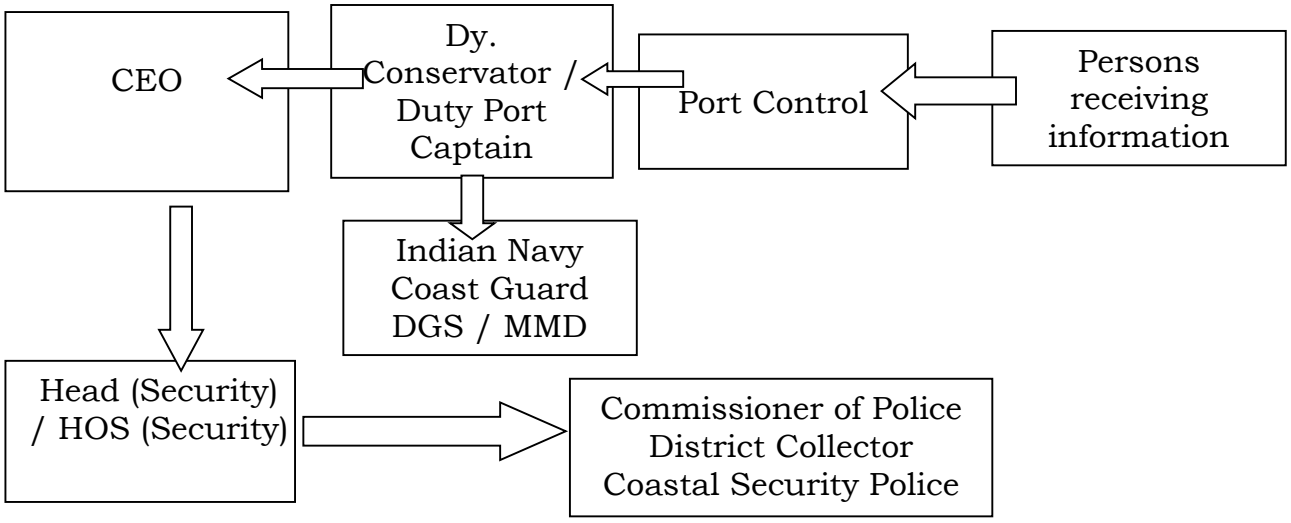
- Designate the team for bomb search – secure assistance from Police/ Sniffer dogs.
- On arrival of BDDS, Chief Security Officer to provide all necessary assistance.
- Chief Security Officer may seek assistance from PFSO or for liaison between departments of AGPPL and outside agencies.

Bomb Detection and Disposal Squad (BDDS)

The telephone numbers are as follows:

New Port Police Tel. no.0891-2707100, Mobile no.9440904309

13.2 HIJACKING OF VESSEL IN PORT LIMITS & HOSTAGE SITUATION



Hijacking of vessel in port limits and hostage situation is to be considered Level II or Level III Crisis.

Deputy Conservator / Duty Port Captain Responsibilities

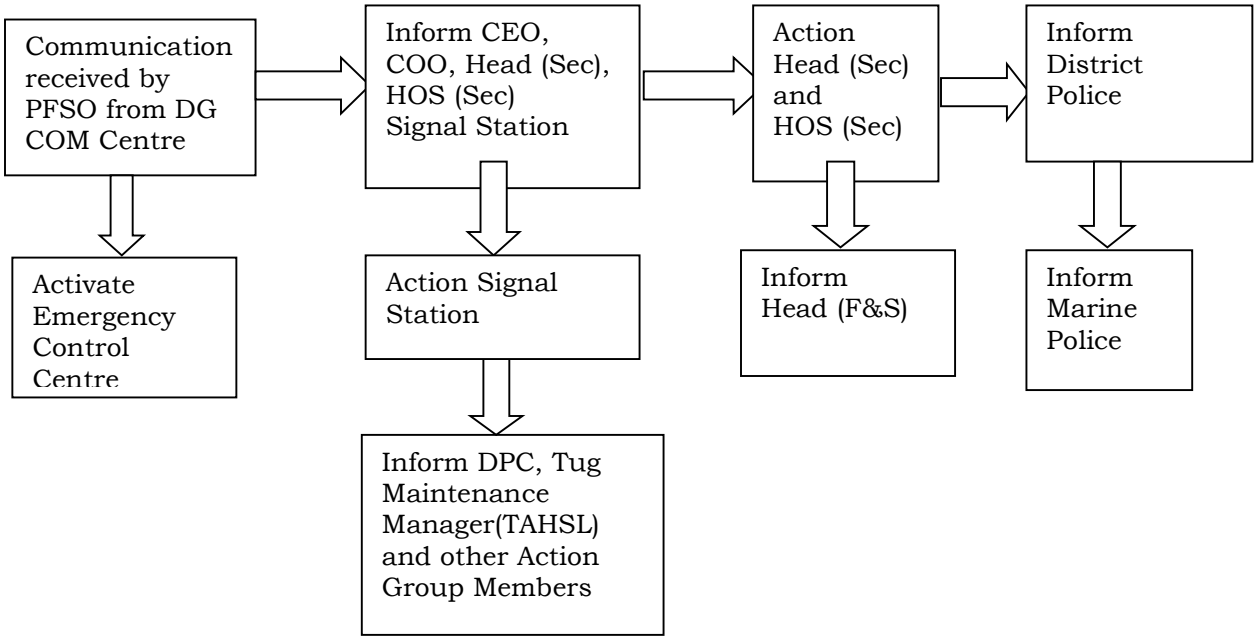
- After getting information from Port Control appraise CEO and COO and mobilize tugs to position themselves at the entrance of the harbour to prevent forced entry of the hijacked vessel into the harbour.
- Inform Indian Navy & Coast Guard of the emergency situation and requisition help with regard to negotiators/snipers etc.

HEAD (SEC)/ HOS (SEC) Responsibilities

- Appraise CEO, COO, Deputy Conservator & DPC of contemplated action.
- Prepare threatened area for firefighting, casualty handling, search and rescue operations.
- Inform State Police & Coastal Security Police and requisition help with regard to negotiators/snipers etc.
- Security personnel to cordon off area and deny access to persons hampering operations especially media and onlookers.
- Buy time for negotiators to arrive or for formalising proper plan of action.
- Police/Chief Security Officer shall assess the situation and based on the assessment, CEO may permit operation deemed fit to free hostages.
- Commissioner of Police VSP City:
  0891-2562763 / 0891-2562709 / 0891-2525500 / 0891-2569811

13.3 ACTIVATION OF SHIP SECURITY ALERT SYSTEM

13.3.1 IN PORT (ALONGSIDE BERTH)



RESPONSIBILITIES:

Head (Security) /HOS (Security):

- Apprise CEO, COO and DC of contemplated action.
- Requisition fire tender, ambulance and station them at safe distance.
- Cordon off the berth the ship is occupying.
- Prepare for firefighting, casualty handling and search & rescue operation.
- Coordinate with District Police.

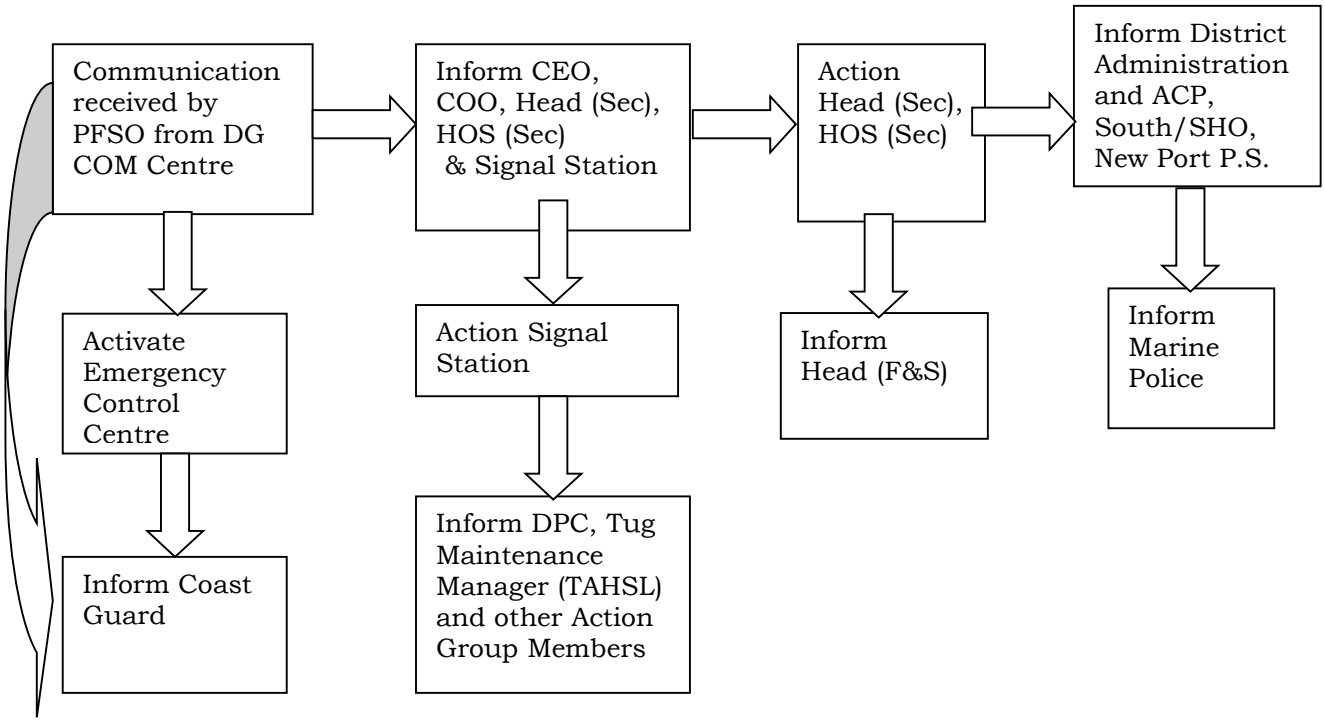
DC/PFSO:

- To coordinate with the Coast Guard and DG Com centre.

DPC /Action Group:

- To proceed to the site and keep the Emergency Control Centre apprised of the situation.
- Instruct Base Manager to keep Pilot, tugs & launches stand by for firefighting, combating pollution, un-berthing vessels from adjacent berths or render any other assistance that may be required.
- To keep oil pollution control equipment in readiness.
- To keep mooring crew stand by.

13.3.2 IN PORT (AT ANCHORAGE)



RESPONSIBILITIES:

HEAD (SECURITY)/HOS (SECURITY):

- Apprise CEO, COO and DC of contemplated action.
- Requisition ambulance and station them at suitable berth.
- Prepare for casualty handling and search & rescue operation.
- Coordinate with District Administration and District Police.

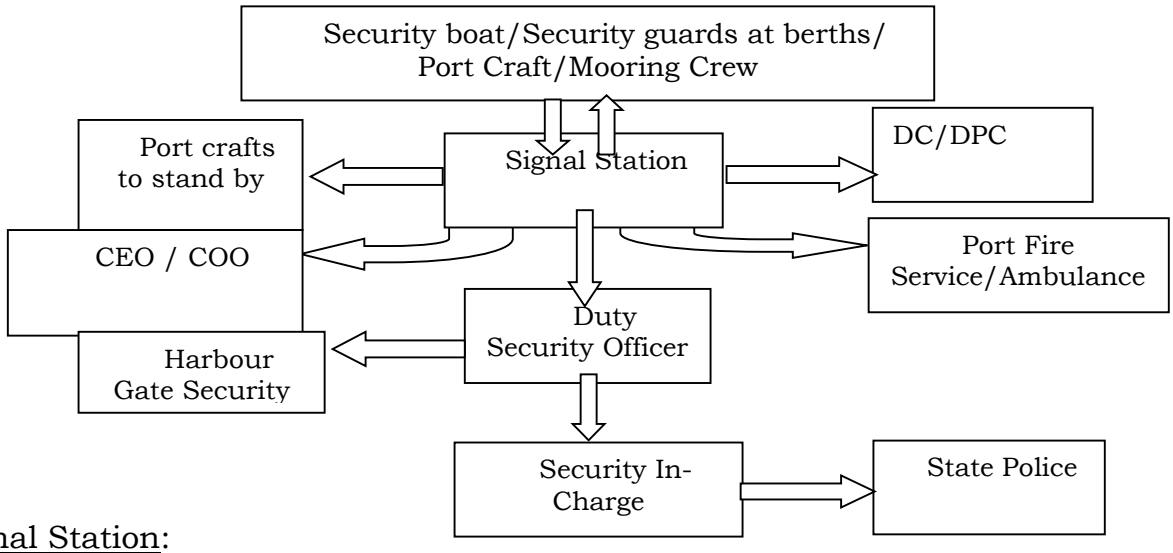
DC/PFSO:

- To coordinate with the Coast Guard and DG Com centre.

DPC /Action Group:

- To proceed to the site on a tug and keep PFSO/ Emergency Control Centre apprised of the situation.
- Instruct Base Manager to keep tugs & launches stand by for firefighting, combating pollution or render any other assistance that may be required.
- To keep oil pollution control equipment in readiness.

13.4 INTRUSION BY UNAUTHORIZED BOAT



Signal Station:

1. Informs the security boat to intercept the unauthorized boat. (VHF CH.14/16)
2. Informs duty Security officer (UHF or EPBX 2704477, 2889999 – Intercom 40781/40790), Port fire service/Ambulance (VHF CH.14 or EPBX 2704477, 2889999 - Intercom 40604), Port Crafts (VHF CH.14), DC-7675992111/DPC-9000234479and COO -8200092608 /Head (ESD)- 9248091985
3. Follow instruction issued by DC/DPC.
4. Record all occurrences and maintain communication link with the duty security officer.

Port Fire Service and Ambulance:

1. To stand by in state of readiness along with ambulance.

Duty Security Officer:

1. Mobilize QRT to proceed to berth no.1 to board pilot launch to assist in interception of the boat.
2. Inform security in-charge and Harbour gate.
3. Mobilize additional security to proceed to the site (as informed by Signal Station).

Security In-Charge:

Co-ordinate with the state police

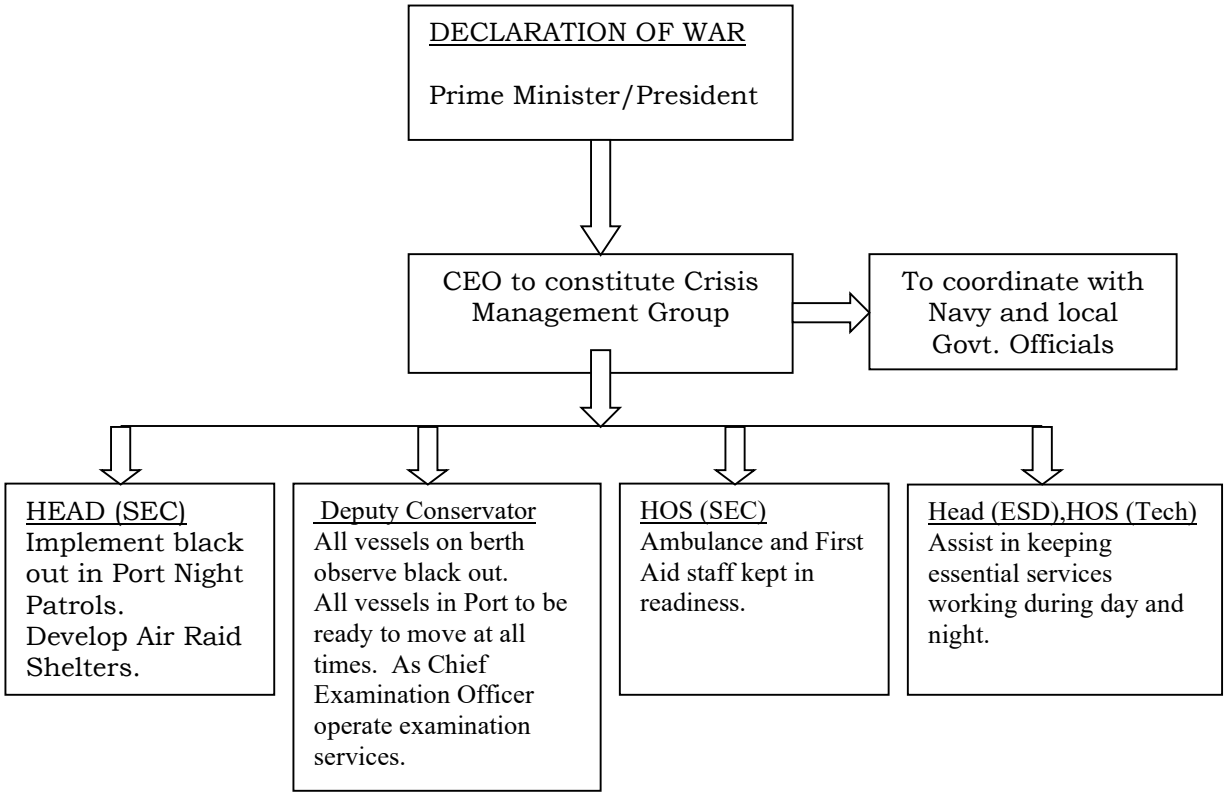
DPC:
Inform Navy - 2547100/CG - 2547266/CEO/COO/ Head (ESD)

DC:
Co-ordinate with crisis management group and establish emergency control centre.

Immediate action by any person noticing an intrusion

- Flash search light on the target
- Blow whistle/Raise alarm (VHF)

13.5 DECLARATION OF WAR



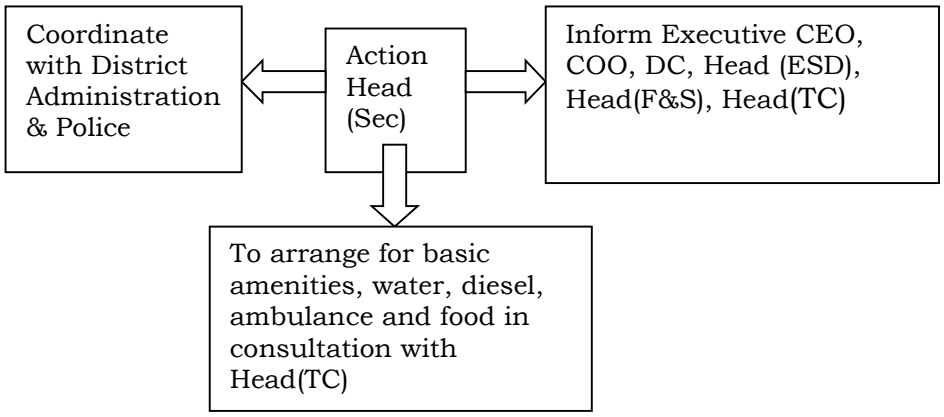
All other HODs to carry out duties and responsibilities as per Emergency Action Plan.

SECTION -14
CIVIL DISTURBANCE / LABOUR DISPUTE

14.1 CIVIL DISTURBANCE

Objective:

- To deal with situations of break down of law and order.
- To avoid disruption of port operations.
- To prevent damage to port property.



RESPONSIBILITIES:

HEAD (SEC):
- To keep in touch with the district administration & police.
- To keep CEO, COO and all departmental heads apprised of the situation.
- To coordinate with HOS (SEC) and keep Port Security in state of high alert.

Dy. Conservator:
- To maintain marine services with the help of DPC/ Tugs Maintenance Manager (TAHSL).
- To coordinate with DG COM Centre.

COO:
- To sustain cargo handling operations with skeleton staff and labour.
- Rotate staff and labour to avoid fatigue.

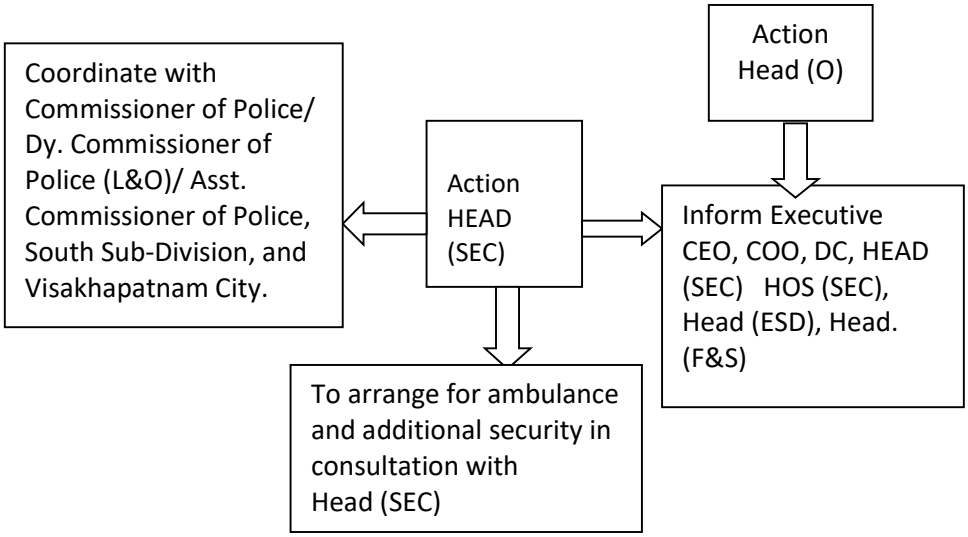
Head (ESD):
- To keep the water & electric supply and all utility services running.
- To ensure cargo handling equipment are operational.

Head (F&S):
- To keep the fire tender in state of readiness.

14.2 LABOUR DISPUTE

Objectives:

- To avoid disruption of port operations.
- To prevent damage to port property.
- To deal with situations such as unruly behavior of labour.



RESPONSIBILITIES:

COO:

- To sustain cargo handling operations with skeleton staff and labour.
- Make alternative arrangement for labour in consultation with management to avoid disruption of cargo operations.

Dy. Conservator:

- To maintain marine services with the help of DPC/ Tugs Maintenance Manager (TAHSL).

HEAD (SEC):

- To keep in touch with the Commissioner of Police/ Dy. Commissioner of Police (L&O)/ Asst. Commissioner of Police, South Sub-Division, Visakhapatnam City.
- To keep Executive Chairman and all departmental heads apprised of the situation.
- To keep security in state of high alert.

HOS (Mech.):

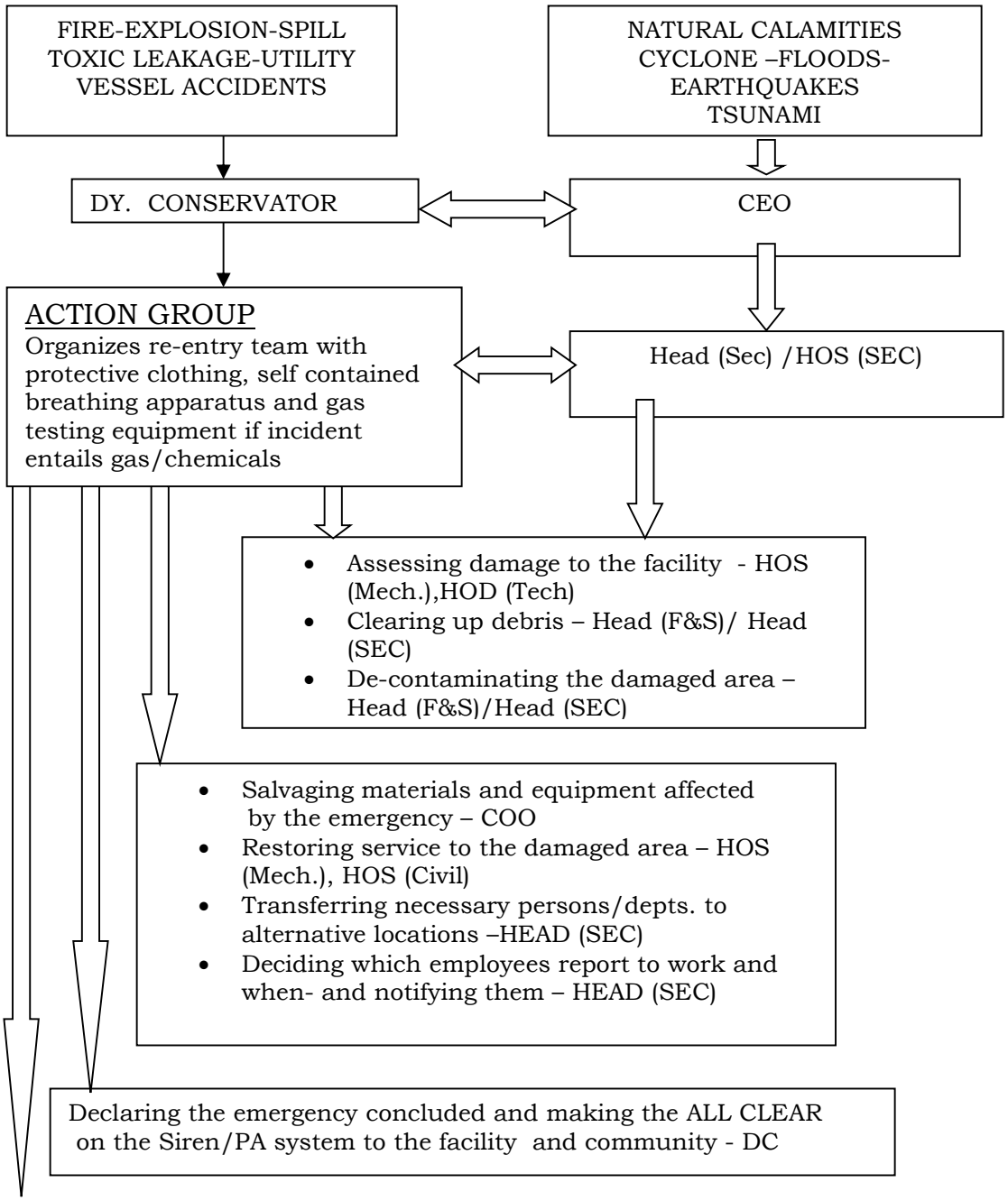
- To keep the water & electric supply and all utility services running.
- To ensure cargo handling equipments are operational.

Head. (F&S):

- To keep fire tender in state of readiness.

SECTION 15

DE-ACTIVATION OF THE PLAN-RECOVERY-RE-ENTRY-RESTORATION



Note:- For natural calamities etc at the District level-the District collector or District magistrate will make the necessary initiative through the paramilitary group.
The Port Chief Executive officer may also request paramilitary personnel to assist when the accidents have originated at the port premises

* Action Group constitutes all Dy. HODs under the overall-in-charge of DPC.

SECTION - 16

TRAINING & MOCK DRILLS

- A well-coordinated programme of training exercise includes activities of varying degrees of interaction and complexity.

- The following exercises will be carried out during the year :

    1. Paper (Table-Top) Exercises: to check availability from the participants of their mutual aid resources, and check response-time.

    2. Mock Drill: To check the effectiveness of the resources, and monitor shortfalls, if any.

    3. Yearly Review: Meeting of off-site members to evaluate and update the Emergency Action Plan.

    4. TRAINING: Train port personnel in activities which support the avoidance of a crisis. Programmes totally dedicated to the management of crisis are identified. They will be developed, and instituted, and upgraded as and when necessary to cope up with changing situations.

DEPARTMENT WISE ACTION PLAN IN CASE OF NATURAL CALAMITIES

A. ADMINISTRATION DEPARTMENT

HEAD (SEC) shall ensure setting up of the control room at A. O. Bldg. within two hours of warning and the matter reported to the CEO. He shall arrange to open the schools /community hall, etc. and keep them ready for accommodating the evacuated people.

He shall inform all the public/private companies operating in the port about the situation and tell them to evacuate the people and take necessary steps. List of Shipping Agents and Stevedores are placed at Annexure – X & XII respectively.

The staff attendance on days when the action plan is in operation shall be collected by HEAD (SEC) and reported to CEO every day with separate list of absentees. He will also ensure presence of staff by following the required action.

HEAD (SEC) will do the overall supervision of the work and report the compliance to CEO within two hours of the warning received. He will be overall in-charge for liaison work with State/Central Govt. Officials, IMD, etc.

All HODs shall send Action Taken Report to HEAD (SEC)/Control Room in writing by fax or telephone with regard to the action required of them as per the Action Plan. If report is not received from any of the HODs the officer in-charge, Control Room shall obtain the information and compile it and submit the same to CEO on 12 hourly basis i.e. twice a day.

PRESS MANAGEMENT

A cell headed by HEAD (SEC) shall be responsible for press management.

The Press Cell shall come into operation immediately in the office of HEAD (SEC) and it shall issue daily bulletin at 2.00 pm and 7.00 pm every day. It shall hire photographer/videographer as required and ensure that the photographs are taken to depict the situation as well as the work done by the port officials. The photography/video team will accompany CEO.

CASUALTY MANAGEMENT

The Casualty Emergency Room at Port Dispensary shall start functioning as soon as warning of the cyclone is received. HEAD (SEC) will ensure that all doctor and medical staff are available during the period. The Casualty Emergency Rooms will function round the clock with posting of doctor and staff round the clock. Adequate number of chlorine pills should be distributed after cyclone to avoid epidemic from spreading. A report shall be submitted in the evening by HEAD (SEC) every day to the CEO. HEAD (SEC) will ensure that all staff members are on maximum alert during disaster for their own safety. Ambulances/vehicles with drivers to be kept standby awaiting further orders. He will also liaison with Control Room, Disaster Site/Spot.

Post disaster Phase:

Tackling of Patients

1. Use of Ambulance will be purely on priority basis.
2. Line of treatment to be decided by attending doctors, such as indoor/outdoor/under observation, etc.
3. Cases will be attended depending upon the extent of injury/condition of case, i.e. very serious, serious, and stable.
4. Free of cost treatment is to be extended to all patients.
5. To ensure supply of adequate medicines and any other items.
6. Dead bodies to be shifted to Government Hospital for identification, disposal, and issue of death certificate, etc.
7. If needed be liaison with local medical practitioners, local hospitals, etc. as indicated earlier.
8. If need be, to arrange for outside ambulance.
9. Transfer of serious patients to Govt. hospitals is made.
10. To mobilise additional nursing/para medical staff to cope with additional work load.

PREVENTION OF EPIDEMICS:

1. Chlorination of drinking water at source.
2. Mass survey of residents on port colonies and adjoining areas.
3. To get chlorine tablets as required and arrange for distribution thereof.
4. To educate residents/public to promote hygienic condition in and around their dwelling place, use of boiled water.
5. To shift cases afflicted by contagious or infectious diseases to Govt. Hospital and bring such cases to the notice of State Authorities.
6. Antidotes of all the poisonous gases to be kept ready.
7. To provide on the spot medical aid at port premises.
8. Any further actions depending upon the conditions and restoration in the manner being decided by administration.
9. In life threatening condition of staff members – their evacuation.

B. SECURITY DEPARTMENT

HEAD (SEC)/ HOS (SEC) shall remain in contact with the incharge of Control Room at Signal Station regarding the position of the cyclone.

He will make arrangements for announcements, with the coordination of police, through public address system mounted on vehicles. Security personnel will procure truck through HEAD (SEC).

He shall ensure that all incoming traffic to the port is stopped except those, which are coming for rescue operations and essential services. He shall immediately erect temporary tents and post sufficient number of Port Security personnel in coordination with the Police, who shall identify which person has to be allowed. He shall also ensure that they do not cause any hindrance for those who are supposed to function as per the action plan.

C. FINANCE DEPARTMENT

All HODs would make an assessment regarding the requirement of funds by them to meet the different exigencies which they may have to handle on account of the cyclone situation. The HODs would inform the HEAD (F) on telephone or in writing or through a messenger regarding their requirement of advances. The HEAD (F), in turn, would examine the advances sought by the HODs and sanction the advances early without delay. The CEO would keep the Executive Chairman informed about the amount released by him and seek approval.

D. I.T. SECTION

As soon as the cyclone warning signal No. 5 is hoisted, the HEAD (IT) shall monitor the weather through internet and give two hourly print out to CEO, COO, DC, HEAD (SEC), HOS (Tech), HEAD (ESD).
The following are the website codes, through which the required information regarding the position of the Cyclone can be ascertained:

1) www.imd.ernet.in
2) www.supertyphoon.com/indian.html
3) www.npmoc.navy.mil/products
4) www.solar.ifa.hawaii.edu/tropical/tropical.html
5) www.underground.com/tropical
6) www.maineforecast.net

E. MARINE OPERATIONS DEPARTMENT

As soon as warning of cyclone is received, following measures are proposed:

- Setting up of Control Room at Signal Station.
- Pilots and other Supervisory staff of Marine Service provider shall reach their duty place even if they are on leave, to tackle emergency, if any.
- Evacuation of ships and securing all port crafts in shortest possible time.
- DC to ensure all operational staff including fire brigade staff, Pilots and ministerial personnel are available during emergency.
- Arrange for dewatering pump if required.

SECURING OF ALL CRAFTS

- DC/ DPC shall immediately arrange for securing all the port crafts at safer places so that there is no loss to the port and send a report the Executive Chairman as early as possible after operation of this action plan. For parking of crafts in emergency, berth no.1 will be used.
- All Pilots to be available during emergency. DC/ DPC shall also ensure that all ships are moved out of the harbour at the earliest.
- In case of natural calamity, first start with rescue operations, restoration activities on war footing on the advice of CEO, COO, DC/ DPC.

F. OPERATIONS DEPARTMENT

After the warning of cyclone or any other natural calamity is issued at the port, Head(OPS) shall ensure that the loading/unloading operations at the port are stopped immediately, hatches closed, ships derricks properly secured and all labourers evacuated from the port area. He shall arrange for public announcement system to make announcements relating to the evacuation
during emergency. Head(OPS) shall also stop all loading and unloading operations immediately upon instructions from DC so as to enable the later to move the vessels out in time. The responsibility of evacuating the port shore workers and the private shore labourers rest with the Head(OPS). Head(OPS) along with HOS (BO) and HEAD(Sec) shall ensure that the port is completely evacuated and there is no entry in the custom bonded area. HEAD (CCO) shall render necessary help to procure requisite no. of trucks for public announcement and evacuation. Head(OPS)shall inform all the stevedores and Cargo Handling Agents.

G. ENGINEERING SERVICES DEPARTMENT

As soon as the message on anticipated cyclone/flood/natural calamity is received from concerned authorities, the same will be intimated to all the concerned under the Mechanical Engineering and Electrical Departments and will be instructed to be alert. All the staff members/officers should know that they shall come into action on their own as soon as the warning is issued without waiting for any further instructions.

SM (Mech.) shall ensure immediately that stackers/re-claimers/ ship loaders/mobile crane etc., are secured and properly locked and moved to safer stowage positions as per the procedure and report submitted to CEO and COO. HOS (Mech.) to keep the staff at the electrical sub-station, CCR and to attend any emergency. HOS (Mech.) to ensure all drive houses, electrical houses, mobile equipment, conveyors, etc. secured properly. Provide earthmoving equipment, cranes, forklifts, bulldozers, etc. as per the requirements. HEAD (ESD) to ensure that his department maintains electrical supply.

H. CIVIL MAINTENANCE DEPARTMENT

HEAD (ESD) will ensure that water supply arrangements will be made to various sites of work/camps where the workers are shifted, etc. HEAD (ESD) will be in-charge for supply of water to various destinations.

Civil Maintenance department will ensure that all road blockades are got cleared and the blockades caused in other port areas due to the falling of trees, walls, sheds, etc. got removed immediately. Further they shall ensure that the port areas are got cleared and wherever logging of water is found, the water is pumped out and disinfected. A report shall also be submitted to the CEO.

I. VEHICLE POOL

As soon as this contingency plan comes into force, the vehicle pool stands formed. The pool shall be controlled by HOS (BO). All vehicles available with the departments especially the trucks and drivers will report to HOS (BO). He should ensure that all AGPL vehicles and drivers are available with him. If more vehicles are required and to be hired from private contractors, he shall consult the same with HEAD (SEC) and do so. All vehicles available with him should be parked in a safe location as decided by Dy. Conservator, from where it can be taken for immediate use as soon as the people move into action.

ADANI GANGAVARAM PORT LIMITED
CRISIS MANAGEMENT PLAN

ANNEXURE-I	REV : 11	PAGE : 1 of 2	DATE : 01.11.2023

LIST OF KEY TELEPHONE NOS. (GPL)

Sr. No	Name	Designation	Telephone Nos. (Visakhapatnam)				
			Office		Residence	Fax	Mobile
			BSNL	EPABX	BSNL		
1	Amit Malik	CEO	2701177	40500		2703377	9099991057
2	A V N V S Murthy	COO	2701177	40501		2703377	7373711477
	MARINE DEPARTMENT						
3	Capt. Rajesh Prakash	Dy Conservator	2889999	40591		2703377	7675992111
4	Duty Port Captain	Pilots	2889999	40593			9246639400
5	Kesava Narasimhan	Marine Manager		40596			8980016403
6	Port Control CH-16/14		6537253	40605			9000234479
7	Fire Station		2889999	40604			
	HR & ADMIN DEPARTMENT						
8	Ch.Anil	HOD (HR & Admin.)	2889999	40527		2703377	8341777278
9	K.V.J.Raghunath	HOS (HR & IR)	2889999	40532		2703377	8897855688
	ENGG. SERVICES DEPARTMENT						
10	Mavji Vaghamshi	SVP (ESD)	2889999	40516			9727784691
11	P. Kishore	HOS (Mech)	2889999	40709			9989099799
12	CCR		2010880	40706	-	-	
	CIVIL MAINTENANCE DEPARTMENT						
13	K.Srinivasa Ra0	HOS(Civil)	2889999	40765			9248091940
	OPERATIONS DEPARTMENT						
15	Arivazhagan S	HOD	2889999	40657			9677125649
	FINANCE & ACCOUNTS DEPARTMENT						
16	G.Samba Siva Reddy	HOD (Finance)		40571			9848199769
17	D Mohan Rao	HOS (Finance)	2889999	40570			9248091865

	TECHNO COMMERCIAL DEPARTMENT						
18	Sanjiv Kage	HOD(Techno Commercial)	2889999	40505			8980016133
19	Venkatpathy Raju	HOS (Stores)	2889999	40750			9959762226
	SECURITY DEPARTMENT						
20	Gyurmed Dorje	Head (Security)	2889999	40522		2703377	6358877456
21	B.Govind Varma	Pass Section (Security)	2889999	40781		2703377	9989387888
	FIRE & SAFETY DEPARTMENT						
22	N.Koteswara Rao	HOD (Fire&Safety)	2889999	40847			8143569095
	ENVIRONMENT DEPARTMENT						
23	D.Jyothi	HOD(Environment)	2889999	40514			9248091917
	MEDICAL CENTRE						
24	Dr. Pranay	Medical Officer	2889999	40601			7013781538
	IT DEPARTMENT						
25	M.Venkateswara Rao	HOD (IT)	2889999	40555			9176868868

LIST OF IMPORTANT TELEPHONE NOS. (SERVICES).

		BSNL	
	FIRE	**101**	
1	AGPL Fire Station	2889999 Ext 40604	
2	Pedagantyada Fire Station	2517780	92475 86482
3	Indian Navy Fire Services	2571547	
4	Vizag Steel Fire Services , Vizag-31	2518401	
5	Divisional Fire Officer, Madhavadhara, Vizag-07	2561461	
6	Fire Officer, AP-Fire Station, Vizag-01	2563582	
7	Central Fire Station, Port Trust, Port Area, Vizag-01	2569411	
8	Headquarters Fire Services, Suryabagh, Vizag-20	2568905	
	AMBULANCE	**108**	
1	Adani Gangavaram Port	2889999	Ext.40600
2	R.K.Hospital, Chinagantyada	2517599	
	POLICE	**100**	
1	SHO, New Port Police Station, Pedagantyada, Vizag-44.	2707100, 2708100	94409 04309 94407 96034
2	Asst. Commissioner of Police, South Sub-Division, VSP City.	2513567 (O) 94407 96006	
3	Dy. Commissioner of Police (L&O)	2565194(O) 2558850(R)	94409 04348
4	Commissioner of Police, Police Barracks, Suryabagh, Vizag-20.	2562709(O) 2562763(O) 2525500(R) 2569811(R)	94406 27277
5	Marine Police Station, VMRDA Building, Vizag	2797272 2521802	
	OTHERS		
1	Main Receiving Sub-Station, (MRSS) Addl. Asst. Engineer, at GPL	2549274	
2	Dust Suppression System, GPL	2010598	
3	Under Ground Reservoir/Pump House, at GPL Main Gate	2010597	
4	Kanithi Pump House, Yeleru Canal Pump House	2010596	

TELEPHONE NOS. OF STATE GOVERNMENT OFFICIALS.

Sr. No.	Official	Telephone Nos.
		Office
1.	Special Chief Secretary Infrastructure & Investment Dept.	0863 2442113
2.	Director of Ports, Kakinada	0884-2363825
3.	Port Officer, Kakinada	0884-2376129

DISTRICT AUTHORITIES				
		EPABX	**BSNL**	**VHF**
1	Collector, Visakhapatnam		2563257(O) 2526999(R)	
2	Special Officer (GPL), R&R, Collector Office, Vizag.		2525579	
3	COAST GUARD, Visakhapatnam		2547266, 2568875	
4	Mercantile Marine Dept., Surveyor-In-Charge, Port Area, Vizag-35		2729431, 2502148	
5	Visakhapatnam Municipal Commissioner, GVMC, Vizag-20		2568545	
6	EE, PWD, Vizag-2		2717743	
7	Andhra Medical College, KGH, Maharanipeta, Vizag-2		2563413/ 2561157	

Rashtriya Ispat Nigam Ltd. (RINL) – KEY PERSONNEL.

Sr. No.	Name	Office Tel.	Res. Tel.	Mobile
1.	Commandant(CISF)	2518257	2518223	
2.	AGM (Materials)	2518683		

LIST OF MAJOR HOSPITALS

Sr. No.	Name & Location of Hospital	Phone No.	Type	No. of Beds
1.	R.K Hospital, Gajuwaka	2517599 2517081	Private	
2.	Dr. Sujatha Hospital, Gajuwaka	2742115	Private	
3.	King George Hospital, Vizag-2	2564891 2542987	Govt.	
4.	Andhra Medical College, KGH, Visakhapatnam	2563413/ 2561157	Govt.	
5.	ESI Hospital, Opp. Scindia, Vizag-5.	2577195	Govt.	
6.	Govt. Hospital for Chest & Communicable Diseases, Chinnawaltair, Vizag-17	2552525	Govt.	
7.	Mental Hospital, Vizag-3	2754918	Govt.	
8.	Victoria Hospital, Kotharoad, Vizag-1	2562637	Govt.	
9.	CARE Hospital, Daspalla Hills, Vizag-3	2705343	Private	
10.	Seven Hills Hospital, Jagadam Junction, Vizag-20	2533223	Private	
11.	Visakha Hospitals & Diagnostics Pvt. Ltd., Waltair Main Road, Vizag-2	2714014	Private	
12.	Apollo Hospitals, Waltair Main Road, Vizag-16	2712790	Private	
13.	Lazarus Hospitals, Waltair Main Road, Vizag-2	2780780	Private	

LIST OF LICENSED BLOOD BANKS & THEIR LOCATIONS

Type	Name of Blood Bank	Location	Telephone No.
Govt.	KGH Blood Bank	Maharanipeta	2542987 2564891
Private	AS Raja Blood Bank	Ramnagar	2543436
	Rotary Blood Bank	Maharanipet, Vizag-2	2506678
	Seetarama Nursing Home Blood Bank		2706025

LIST OF REHABILITATION CENTRES BEYOND 10 KMS RADIUS OF EMERGENCY SITE

1. Central School Navynagar, Malkapuram
2. Malkapuram High School & Jr. College.
3. Govt. High Sriharipuram.
4. St. Peter High School, Sriharipuram
5. St. Joseph College & School, Convent Junction

OTHER REHABILITATION CENTRES IN CASE OF NEED.

1. Vikas College, Sheelanagar
2. Shree Yashoda Vidyalaya, Gajuwaka
3. Pedagantyada High School, Pedagantyada
4. Chaitanya College, Steel Plant
5. Little Angeles College & High School, Steel Plant

ADANI GANGAVARAM PORT LIMITED
CRISIS MANAGEMENT PLAN

ANNEXURE-VIII	REV : 12	PAGE : 1 of 1	DATE : 01.07.2024

LIST OF NEIGHBOURING ORGANISATION

Sr. No	Name of the Industry/ Organisation	Name of the Leader	Tel. Office	Mobile
1.	Indian Coast Guard	1. Inspector General ---------- ----- District Commander 2. Comdt. --------- ----- 3. Main Signal Office	2958900 2952518 2568879	
2.	AP Fire & Emergency Services	1. Dist. Fire Officer- 2.Station Fire Officer,Pedagantyada Fire Station	2568905 2517780/ 2515233	949991050 9963728664
3.	Visakhapatnam Port Authority	1. Dy. Conservator 2. Harbour Master 3. Signal Station	2565042 2562039 2562135	
4.	Indian Navy	1. CMDE 2. Chief Staff Officer 3. Fire Officer	2816624 2811641 2578000-Extn:6222	
5.	Indian Oil Corporation	1. Location In charge 2. Divisional institutional Business Head 3. Manager	0891-2708009 0891-2539575 0891-2854802	9490958026 9434738099 9491399859
6.	Vizag Steel Ltd.	1. Commandant 2. CISF Control Room	2518257-2250 2518515	9866248290
7.	Hindustan Petroleum Corpn. Ltd.	1. Chief Manager (Fire & Safety) 2. Sr. Manager(Fire)	2740183 2577592	9985001853 9849281805

LIST OF SHIPPING AGENTS:

A V Bhanoji Row, Garuda Pattabhiramayya & Co.	D.No.71-52-15, Harbour Approach Road, Next to NMDC Building, Near Port Main Gate, Visakhapatnam-530001	9848196587	ops@avbgpr.com accts@avbgpr.com fp@avbgpr.com
ACT Infraport Ltd.	402/A, Door No. 10-1-9/1, Vinayagar Heights, Sampath Vinayagar Temple Road, Visakhapatnam - 530003	8886299771 9440431434	vizag@actship.com; info@actship.com
Admiral Shipping Ltd.	Plot no. 1, Door No. 25-8-105, Prashant Paradise, 1st Floor, SRST Ward, Main Road, Visakhapatnam - 530001	9848196979 9177596979	vizag@admiralshpg.com admiral@admiralshpg.com
An-line Shipping Private Limited	D.No.25-12-40, 1st Floor, PVR Chambers, Godeyyavari Street, Near 1 town Police Station, Visakhapatn - 530001	9000123479 9347582117	vizag@anline.in agency@anline.in
ARVI NAVIGATION PRIVATE LIMITED	# 50-95-2/6, Ground floor, N.E.Layout, Seethammadhara, Visakhapatnam - 530013	9004770769	operations.vizag@arvi-shipping.com
Asthraa Shipping and Logistics	#20-70-42, Asipapa Street, Near Mrs. A.V.N.College, Visakhapatnam - 530001	7680054333 7416443005	asthraashipping@gmail.com ops@asthraashipping.com agency@asthraashipping.com
Atlantic Global Shipping Pvt. Ltd.	Flat No. 1, D.No.25-8-105, Prasanth Paradise, First Floor, SRST Ward, Main Road, Visakhapatnam - 1	9848196979 9177596979	ags@atlanticglobalshipping.com vizag@atlanticglobalshipping.com
Ben Line Agencies (India) Pvt. Ltd.	H.No.11-6-33, First Floor, Rock Dale Area, Maharanipeta, Visakhapatnam - 530 00	9848531393 9030022113	vsk.mgr@benlineagencies.in v.ramprasad@benline.com vsk.ops@benlineagencies.in india.general@benlineagencies.in

Bothra Shipping Services Private Limited	28-2-47, Daspalla Centre, Suryabagh, Visakhapatnam-530020	9963988100 8978804794 9848633542	agency@bothragroup.com ops@bothragroup.com
Chowgule Brothers Pvt. Ltd.	F-6, Marine Towers, 25-9-14/11, Rajavari Street, Visakhapatnam-530001	9848160570 7420904787	vizag.cb@chowgule.co.in
Cross Trade Shipping	Nirmal Bhavan, 2nd Floor, D.No.76-13-79, current Office Road, Joji nagar, Bhavani puram, Vijayawada, Ap-520012	9428506392 9909226895	operations@crosstradeshipping.in ops.andhra@crosstradeshipping.in
Deblines Private Limited	15-14-4/2, Ground Floor, Buddavarapu Gardens, Krishna Nagar, Maharanipeta, Visakhapatnam-530002	9849110579 9849618573	vizag.operations@deblines.com info@deblines.com debgroupvizag@gmail.com
Esdi Maritime Private Limited	Plot No. B-104, 1st Floor, B-Block, Marine Enclave, Old Post Office, Visakhapatnam - 530 001	9347060203 9701365906	vizag@esdimaritime.in agency@esdimaritime.in
Eswar Shipping Services	FF-1, Sri Ambica Nivas, #21-20-2, SunnapuVeedhi, Visakhapatnam - 1	9246622205 9246622701	admn@eshwarshipping.com
Everett (India) Private Limited	F9, Marine Towers - 1, 25-9-14/12, Rajavari street, Visakhapatnam - 1	9848194994	everett-vizag@everett.co.in
GAC Shipping (India) Pvt. Ltd.	Silver Willow Bldg, 3rd Floor, D.No.30-15-58, Dabagardens, Visakhapatnam - 530020	98481 84923 7095883388	venkata.giridhar@gac.com shipping.vizag@gac.com
Gagan Shipping Services	D.No.39-9-9, Tenneti Nagar, Murali Nagar, Visakhapatnam - 530007	9866105677 9347953664	gagan@gaganship.com crew@gaganship.com
Global Shipping Services	Flat NO.-122, R.K.Duplex apartments, Besides Visakha Museum, YMCA, Beach Road, Visakhapatnam - 530017	7995361180 7337337222	ops@globalshippingservices.co.in info@globalshippingservices.co.in

Glory Faith Shipping Agencies	25-12-36, Roychat Building, Godeyvari Street, Visakhapatnam 530001	9848522512 9985086461	ops@gloryfaithshipping.com info@gloryfaithshipping.com
GPR Maritime Agencies	H.No.Flat No.1/4, Daspalla Towers, Naoroji Road, Visahapatnam - 530 002	9849116587 9866073404	agency@gprnco.com
Imperial Shipping Co.	#9-30-3, 2nd Floor, Balaji Nagar, Siripuram , Visakhapatnam - 530 003	984855652 9100111435	kak@imperial.co.in isckkd@gmail.com
Infinity Shipping Private Limited	Door No. 11-9-1/1, First Floor, Opp. Mutyalamma Temple, Daspalla Hills, Visakhapatnam - 530003	8008928666 9704808547	infinityvizag@gmail.com vizag@infinityshipping.i accounts@infinityshipping.in
Integral Trading & Logistics	31-33-115/1/2, Darshan Paradise, Opp. Mamatha Press, Assam Gardens, Nellammavepachettu, Visakhapatnam - 20	9246960558 9295014222	vizag@integraltrading.net
Interocean Shipping (India) Pvt. Ltd.	IV/1,sunrise apartments, Beach road,Pandurangapuram, Visakhapatnam 530003	9989061159	gangavaram@interocean.in
ISS Shipping India Private Limited	First Floor, D.No.25-12-14, Rajavari Street, Godeyvari Ward, Visakhapatnam- 530001	9030193050 9491801592	youriss.vizag@iss-shipping.com
Jain Shipping & Logistics	#7-22-10/10, Plot No.18, Flt No.301, Jayadeep Apartments, Kirlampudi Layout, Beach Road, Visakhapatnam - 530 017	9963944100 7095101125	niraj@jainshipping.com
James Mackintosh & Co. Private Ltd.	Door No. 25-12-44, Mehdi Building, 1st Floor, Block No. 109, Godavari Street, Visakhapatnam - 530001	7673962777 9703679992	ops.vizag@jamesmackintosh.com brao@jamesmackintosh.com
Janani Shipping & Marine Services	#14-37-24/28, 3rd Floor, Flat No. 301-B, Brindavan Apartments, Krishna Nagar, Maharanipeta, Visakhapatnam - 530002	9348120001 9912110727	bhuvan@jananishipping.com agency@jananishipping.com jsmsvsp@gmail.com

Jigsan Shipping Private Limited	HIG-13, Gourav Vihar, Madhuban, Paradip, 754142, Odisha, India.	9437072155 6281943795	operations@jigsan.com jigsanshipping@gmail.com
JM Baxi & Co.	Indu Mansion, 25-12-35, Godevari Street, Near SBI 1 Town Branch, Visakhapatnam 530001	8008401007 8008401006	nagarajub@jmbaxi.com jmboperations-vizag@jmbaxi.com jmbaccounts-vizag@jmbaxi.com
Jyothi Shipping Agencies	#11-9-16/B (1), Flat No. 100, Sri Vishnu Apartments, Dasapalla Hills, Visakhapatnam - 530003	9640744444 9460722222	ops@jyothigroup.com finance@jyothigroup.com
K. Ramabrahmam and Sons Pvt. Ltd.	Platinum House, 25-12-6, Godeyvari Street, Visakhapatnam - 530001	9848189003 9848189008 9248023011	agency@krsons.in vizag@krsons.com info@krsons.com
Lotus Marine Services pvt. Ltd.	D.No.15-1-117/4, Flat No.4, First Floor, Sindhuvilla Apartments, Nowroji Road, Maharani Peta, Visakhapatnam - 530002	9866388459 9346155523	lotusmarinevizag@ymail.com rajulotusvizag@yahoo.co.in
Merchant Shipping Services Pvt. Ltd.	D.No.10-50-58/1, R.K.Estates, 2nd floor, Wlatair Main Road, Ramnagar, Opp Lions Club, Vizag - 2	9393393943 9705289361	p.narayana@merchantshpg.com mersvizag@merchantshpg.com
Monship Agency Services	Marine Towers, Block No.2, 25-9-14/8, Godavari Ward, Visakhapatnam -1	9848198540 9848307102	operations@monship.in
Navship Marine Services Pvt. Ltd.	31-1-29/2, NSN Towers, Flat No.104, Vivekananda Colony,Allipuram,Visakhapatnam-530004	80080 02119 97044 99399	vizag@navship.co.in, ops@navship.co.in navship.vizag@gmail.com
OSL Shipping Agencies India Private Limited	D.No. 50-44-8/1/2, P&T Colony, Gandhi Nagar, Seethammadhara, Visakhapatnam-530013	9840185158 7997483233	ops.tramp@oslindia.com
Parekh Marine Agencies Pvt. Ltd.	2nd Floor, Founta Plaza, 30-15-190, Dabagardens, Visakhapatnam - 530020	9010227754 9248171292	agency.vizag@pmapl.com

Pennon Shipping Pvt. Ltd.	D.No.23-35-2/15, Flat No. 403, 4th Floor, Marine Enclave II, Main Road, Visakhapatnam - 530 001	9840199255 9949474732 9246621237	viz.opns@pennonshipping.com
Poseidon Logistics Pvt. Ltd.	D.No.10-1-47, 3rd Floor, Flat No.305P, Dutt Island, Siripuram, Visakhapatnam - 530 003	8008511300	poseidonvsp@hotmail.com admin@poseidonindia.co.in
Pravv Shipping services	#21-2-34, Chengalarao peta, Panja Junction, Visakhapatnam - 530001	9393023225 70361 23266	agency.pravvshipping@gmail.com general@pravvship.com
Puy Vast Maritime India PVT. Ltd.	203-B, 2nd Floor, Duttisland Complex, Siripuram, Visakhapatnam -530003	9246648623 9246648624	puyvastvzg@puyvast.co.in
Rich Mark Shipping & Logistics Pvt. Ltd.	11-9-39, C-2, Indira Apartment, Dasapalla Hills, Visakhapatnam - 530 002.	9866301444 8125184515	*vizag@richmark.co.in* *admin@richmark.co.in*
SAI SAMRAT SHIPPING AND LOGISTICS	# 50-63-3, 2nd Floor, Rajendra Nagar, Seethammapeta, Visakhapatnam -530016	9849114236 9014312020	operations@saisamrat.co
SALVUS SHIPPING SERVICES PRIVATE LIMITED	Regus Hi-tech City, Level – 2, Oval Building, ilabs Centre, Madhapur, Hyderabad – 500 081	7995088117 7032888159	agencyvizag@salvusshipping.in
Samsara Shipping Pvt. Ltd.	D.No.10-50-58/1, R.K.Estates, 2nd floor, Wlatair Main Road, Ramnagar, Vizag - 530003	9393393943 9705289361	venkata.satyanarayana@samsarashipping.com samsvizag@samsarashipping.com
Samudra Marine Services Pvt. Ltd.	D.No.25-12-60, GF2-Room No.2, Ground Floor, Attili Enclave, Visakhapatnam - 530001	7093246222 9246645203	*vizag@samudragroup.com* *agency@samudragroup.com.* *accounts@samudragroup.com*
Sarat Chatterjee & Co. (Visakhapatnam) Pvt. Ltd.	#28-2-47, 1st Floor, Daspalla Centre, Suryabagh, Visakhapatnam - 530020	9963988100 8978804794 9848633542	agency@bothragroup.com ops@bothragroup.com

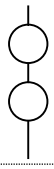
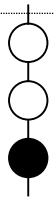
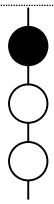
Seaport Shipping Pvt. Ltd.	1st Floor of "Archana Building", 11-2-15/1, Daspalla Hills, Visakhapatnam - 530 003	98665 83677 98495 39977	vizag@seapol.com
Seatrans Marine Pvt. Ltd.	Prasanth Paradise, Flat No. G 2, Beside Shyam Prayer Hall, Visakhapatnam - 1	9346738883	seatrans.vizag@seatrans.co.in ravi@seatrans.co.in
Seaways Shipping and Logistics Ltd.	# 10-1-31, 3rd Floor, Signature Towers, CBM compound, Visakhapatnam-530003	9769029217 7797723900 9951531052	info@seawaysindia.com vizag@seawaysindia.com
Seaworld Shipping and Logistics Private Limited	NCL BLDG., 8TH FLOOR, BANDRA-KURLA COMPLEX, BANDRA (EAST) MUMBAI-400051	9491992792 8985018162	seaworldops@seaworldship.com vizagops@seaworldship.com
Spartrans Marine Services Pvt. Ltd.	D.No.9-25-3/4, 6th Floor, Pent House, Saisree Vihar, Near Timpany School, CBM Compuond, Visakhapatnam - 530003	7893020001 9908834266 8919500877	spartansmarine@gmail.com operations@spartans.co.in
Sri Srinivasa Marine Agencies	D.No.25-12-14, Ground Floor, Rajavari Street, Godeyvari Ward, Visakhapatnam -1	0884 - 2355653	govind12987@gmail.com ssekkd@gmail.com ssmavizag@gmail.com
Swan shipping Services	D.No.50-63-2/B1, Rajendra Nagar, Seethammapeta, Visakhapatnam - 16	8008401020 9849123377	swanshipvizag@gmail.com
TM International Logistics Limited	Vasthav Executive Centre, D.No.47-10-1/8, 3rd Floor, 2nd Lane, Dwarakanagar, Visakhapatnam-530 016	0891 2555491	agencyviz.tmilltd@gmail.com
Walter Cuminns Shipping Services	Office No.03B, 3rd Floor, Isnar Plaza,Dwarakanagar, Visakhapatnam-530016	9963405665	opsvizag@waltercuminnis.com
Wilhelmsen Ships Service	Flat No.102, Ist floor, Krishna residency, D.No.11-2-18,Daspalla HillsVisakhapantnam - 03.	0891 2509526	wss.vizag@wilhelmsen.com Rohit.Bojja@wilhelmsen.com

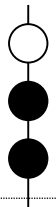
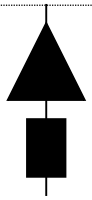
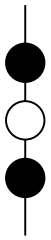
ADANI GANGAVARAM PORT LIMITED
CRISIS MANAGEMENT PLAN

ANNEXURE-X	REV : 12	PAGE : 1 of 1	DATE : 01.07.2024

PORT POSITION	OFFICE TEL		RESIDENCE TEL	MOBILE
CRISIS MGMT GROUP	**BSNL**	**EPABX**	**BSNL**	
Chief Executive officer	2889999	40500		9099991057
Chief Operating Officer	2889999	40501		7373711477
HOD (Operations)	2889999	40657		9677125649
HOD (HR & Admin)	2889999	40527		8341777278
Deputy Conservator	2889999	40591		767599211
HEAD (ESD)	2889999	40516		9727784691
HOD (Security)	2889999	40508		6358877456
HOD (Safety)	2889999	40847		8143569095
HOD (Environment)	2889999	40514		9248091917
ACTION GROUP	FORWARD CONTROL			
Duty Port Captain	2889999	40593		9246639400
Tugs Maintenance Manager	2889999	40596		8980016403
HOD (F&S)	2889999	40521		8978180394
HOS (BO)	2889999			8978180333
HOS (Mech.)	2889999	40709		9989099799
HOS (Civil)	2889999	40765		9248091940
HOD (TC)	2889999	40505		8980016133
HOD (IT)	2889999	40555		9099005949
HOS (Security)	2889999	40780		9848484111

CHART OF WEATHER WARNINGS

Signal No.	Symbol Day	Symbol Night	Type of Warning	Description
I			Cautionary	There is region of squally weather in which a storm may be forming.
II			Warning	A Storm has formed.
III			Cautionary	Port is threatened by squally weather.
IV			Warning	The Port is threatened by storm, but it does not appear that the danger is as yet sufficiently great justifying extreme measures of precautions.
V			Danger	The Port will experience severe weather from a storm of slight or moderate intensity that is expected to cross the coast to the <u>south</u> of the Port.
VI			Danger	The Port will experience severe weather from a storm of light or moderate intensity that is expected to cross the coast to the <u>North</u> of the Port.
VII			Danger	The Port will experience severe weather from a storm of light or moderate intensity that is expected to cross over or near to the Port.

Signal No.	Symbol Day	Symbol Night	Type of Warning	Description
VIII			Great Danger	The Port will experience severe weather from a storm of slight or moderate intensity that is expected to cross the coast to the south of the Port.
IX			Great Danger	The Port will experience severe weather from a storm of slight or moderate intensity that is expected to cross the coast to the North of the Port.
X			Great Danger	The Port will experience severe weather from a storm of great intensity that is expected to cross over or near to the port.
XI			Failure of communication	Communication with Meteorological Head Quarters has broken down and the local officer considers that there is danger or bad weather.

● Red Light

○ White Light

LIST OF ABBREVIATIONS

ADM	Administration
AIR	All India Radio
ASST	Assistant
BIS	Bureau of Indian Standards
BO	Berth Operations
BSNL	Bharat Sanchar Nigam Limited
CCP	Central Control Panel
CCR	Central Control Room
CEO	Chief Executive Officer
COO	Chief Operating Officer
DC	Deputy Conservator
DGM	Deputy General Manager
DPC	Duty Port Captain
ENV	Environment Department
ESD	Engineering services Department
F& S	Fire & Safety Department
F/Fin	Finance Department
FSO	Fire Safety officer
GM	General Manager
HPC	Hindustan Petroleum Corporation
HOD/Head	Head of the Department
HOS	Head of the section
HQ	Headquarter
HSL	Hindustan Shipyard Limited
IMC	Indian Molasses Company
IMD	Indian Meteorological Department
IOC	Indian Oil Corporation
IRS	Indian Register of Shipping
ISI	Indian Standards Institution
ISPS	International Ship and Port Facility Security
IT	Information Technology department
LRS	Lloyds Register of Shipping
MD	Managing Director
MGMT.	Management
MM	Materials Manager
MMD	Mercantile Marine Department
MO	Medical Officer
MOHP	Mechanical Ore Handling Plant
NIO	National Institute of Oceanography

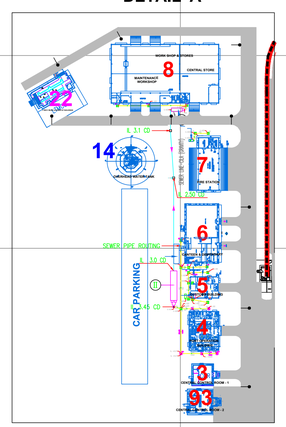
LIST OF ABBREVIATIONS

OPS.	Operations
P & I	Protecting & Indemnity
P & T	Post & Telegraph
PA	Personal Assistant
PFSO	Port Facility Security
PFSO	Port Facility and Security Officer
PFSP	Port Facility and Security Plan
PI	Police Inspector
POL	Petroleum Oil Lubricant
PRO	Public Relations Officer
PS	Personal Secretary
PWD	Public Works Department
R.T.O.	Radio Technician Operator
S/S	Sub Station
SEC	Security Department
SIC	Site Incident Controller
SL	Ship Loader
SUL	Ship Unloader
TAHSL	The Adani Harbour Services Limited
TC	Techno Commercial

NOTES:
1 ALL DEPTHS ARE IN METRES BELOW CHART DATUM.
2 ALL DIMENSIONS ARE IN METRES.
3 ALL COORDINATES ARE GIVEN IN METRES RELATING TO UTM ZONE 44 PROJECTION, SPHEROID EVEREST 1830, CENTRAL MERIDIAN 81° EAST (INDIA - BANGLADESH DATUM).

1 - ADMINISTRATION / CUSTOMER SERVICES BUILDING
2 - CORPORATE OFFICE BUILDING
3 - CENTRAL CONTROL ROOM - 1
4 - PORT OPERATION BUILDING
5 - CUSTOMS BUILDING
6 - CANTEEN & DISPENSARY
7 - FIRE STATION
8 - WORK SHOP & STORES
9 - OIL POLUTION CONTROL EQUIPMENT ROOM
10 - TIDE GUAGE ROOM
11 - PORT SIGNAL STATION
12 - PROJECT OFFICE
13 - UNDERGROUND WATER STORAGE TANK & PUMP HOUSE
14 - OVERHEAD WATER TANK
15 - DSS SUMP CUM PUMP HOUSE
16 - EFFLUENT SETTLING POND
17 - SEWAGE TREATMENT PLANT 5 KLD
18 - SEWAGE TREATMENT PLANT 30 KLD
19 - GATE HOUSE AT MAIN ENTRY
20 - HARBOUR GATE
21 - ELECTRICAL RECEIVING STATION (OUTDOOR GANTRY 220 / 33KV MRSS)
22 - LTMCC NEAR CLUSTER OF BUILDINGS
23 - MCC - 1
24 - MCC - 2
25 - MCC - 3
26 - MCC - 4
27 - SUB STATION - 1
28 - SUB STATION - 1 A
29 - SUB STATION - 2
30 - SUB STATION - 2 A
31 - SUB STATION - 3
32 - SUB STATION - 4
33 - SUB STATION ERA
34 - TOILET BLOCK (NEAR BERTHS)
35 - RLY. IN MOTION WEIGH BRIDGE - 1 & 5
36 - RLY. IN MOTION WEIGH BRIDGE - 2
37 - RLY. IN MOTION WEIGH BRIDGE - 3
38 - RLY. IN MOTION WEIGH BRIDGE - 4
39 - RLY. RRI CABIN
40 - RLY. R&D YARD - 1
41 - RLY. R&D YARD - 2
42 - RLY. TXR BUILDING
43 - RLY. WORK SHOP BUILDING
44 - RLY. LOCO SHED
45 - RLY. GATE LODGE
46 - RLY. LOCO WHEEL CHANGING PIT
47 - RLY. STORE CUM CANTEEN
48 - RLY. GUMPTY AT TAKE OFF POINT
49 - ROAD WEIGHBRIDGE - 1
50 - ROAD WEIGHBRIDGE - 2
51 - ROAD WEIGHBRIDGE - 3
52 - ROAD WEIGHBRIDGE - 4
53 - ROAD WEIGHBRIDGE - 5
54 - ROAD WEIGHBRIDGE - 6
55 - ROAD WEIGHBRIDGE - 7
56 - TRUCK WASHING FACILITY
57 - SECURITY ROOM FOR PASS SECTION
58 - CUSTOMER SERVICE ROOMS
59 - CANTEEN
60 - TOILET BLOCK (NEAR TRUCK PARKING)
61 - CARGO STORAGE SHED - 1
62 - CARGO STORAGE SHED - 2
63 - CARGO STORAGE SHED - 3
64 - CARGO STORAGE SHED - 4
65 - CARGO STORAGE SHED - 5
66 - CARGO STORAGE SHED - 6
67 - CARGO STORAGE SHED - 7A & 7B
68 - CARGO STORAGE SHED - 8
69 - CARGO STORAGE SHED - 9
70 - FRONT LEADING LIGHT
71 - REAR LEADING LIGHT
72 - WAGON LOADER
73 - WAGON TIPPLER COMPLEX
74 - ORE STACKER
75 - ORE RECLAIMER
76 - COAL STACKER - 1
77 - COAL RECLAIMER - 1
78 - COAL STACKER CUM RECLAIMER
79 - COAL STACKER - 2
80 - COAL RECLAIMER - 2
81 - COAL STACKER - 3
82 - COAL RECLAIMER - 3
83 - SHIP LOADER
84 - SHIP UNLOADER - 1
85 - SHIP UNLOADER - 2
86 - SHIP UNLOADER - 3
87 - SHIP UNLOADER - 4
88 - MOBILE HARBOR CRANE - 1
89 - MOBILE HARBOR CRANE - 2
90 - MOBILE HARBOR CRANE - 3
91 - MOBILE HARBOR CRANE - 4
92 - MOBILE HARBOR CRANE - 5
93 - CENTRAL CONTROL ROOM - 2
94 - PROJECT GATE
95 - TWO WHEELER SHED
96 - ADMIN BLOCK - 2
97 - ADMIN BLOCK - 3
98 - DG SHED
99 - EFFLUENT SETTLING POND
100 - SEWAGE TREATMENT PLANT 15 - 2 KLD
101 - DSS SUMP CUM PUMP HOUSE - 2
102 - IMWLS - SILO
103 - RINL GATE

DETAIL 'A'



ADANI GANGAVARAM PORT			
DRAWN		TITLE:– PORT LAYOUT	
CHECKED		DRG. NO.	
APPROVED		DATE :	Rev.
		SCALE :	

NOTICE:
THIS DRAWING HAS NOT BEEN PUBLISHED AND IS THE SOLE PROPERTY OF GANGAVARAM PORT LIMITED (GPL) AND IS ISSUED TO THE PARTY FOR THE SPECIFIC PURPOSE AS STATED IN THE AGREEMENT AND IT SHALL NOT BE REPRODUCED, COPIED, LENT OR OTHERWISE DISPOSED OF DIRECTLY OR INDIRECTLY, NOR USED FOR ANY OTHER PURPOSE OTHER THAN FOR WHICH IT IS FURNISHED.

adani

adani
Ports and Logistics

Lr. No. AGPL/ENV/APPCB/2025-26/016 **Date: 02.06.2025**

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
3rd floor, APPCB Buildings,
Main Road, Madhavadhara VUDA Colony,
Visakhapatnam

Sir,

Sub:- Adani Gangavaram Port Limited – Annual Returns on Disposal of Used batters in **Form – B** - Submitted – Reg.

Ref:-
1. CTO & HWA Order No. APPCB/ VSP/ VSP/113/CFO/HO/2015, dated 13.01.2016 valid up to 31.12.2020
2. Consent Order No. APPCB/VSP/ VSP/113/ CFO/ HO/2020, dated 10.09.2020 valid up to 31.12.2025.
3. Amendment CTO Order No. APPCB/ VSP/ VSP/ 113/HO/2015, dated 13.01.2023
4. Name change Amendment order No: APPCB/VSP/113/HO/CTO/2023 Dt. 01.08.2023
5. CTO & HWA No: APPCB/VSP/113/CTO/HO/2009, dated 22.08.2023 valid up to 31.12.2025
6. Amendment CTO Order No: APPCB/VSP/VSP/113/HO/CTO/2020 05.01.2024

@@@

In compliance with the conditions stipulated in CTO & HWA orders vide reference cited above we are herewith submitting the Annual Returns of Generation, Storage & Disposal of Used Batteries for the year 2024–2025 in **Form- B** as per the Batters (Management & Handling) Rules, 2022 & 2025 and amendments thereof.

Kindly acknowledge receipt of the same.

Yours sincerely,

Amit Malik

CEO - Adani Gangavaram Port Limited

A.P. Pollution Control Board Regional Office, Visakhapatnam 10.6.25

Encl: Attached Annual Returns on Disposal of Used batters data -2024-25.

Adani Gangavaram Port Limited
(Formerly "Adani Gangavaram Port Private Limited")
Gangavaram Post, Pedagantyada,
Visakhapatnam, Andhra Pradesh, India - 530 044
CIN : U61100GJ2021PLC124091
Tel + 91-891-2701177, 2889999
Fax +91-891-2703377
www.adaniports.com
Registered Office : Adani Corporate House, Shanthigram, Nr. Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India.

FORM VIII

[see rule 10 (2) (ii)]

FORM FOR FILING RETURNS FOR BULK CONSUMBER OF BATTERIES

[To be submitted by the bulk consumer to the State Board by 30th June (for the period October-March) and 31st December (for the period April-September) every year]

1.	Name and Address of the bulk consumer	M/s. Adani Gangavaram Port Limited, Gangavaram (PO) Pedagantyada (V & M), Visakhapatnam Dist.
2.	Name of the Authorised person and full address with telephone and fax number	Amit Malik CEO – Adani Gangavaram Port Limited. Phone: 0891 - 2889999 Email: amit.malik2@adani.com
3.	Number of new batteries of different categories purchased from the manufacturer/importer/dealer or any other agency during October-March and April September Category : (i) **Automotive** (a) four wheelers (b) two wheelers (ii) **Industrial** (a) UPS (b) Motive Power (c) Stand-by (iii) **Others**	(i) No. of Batteries – 75 Nos. (ii) Approximate weight - 1.87 (in Metric Tonnes) Invoice No.1930700000818, Date: 27.08.2024.
4.	Number of used batteries of categories mentioned in Sl. No. 3 and Tonnage of scrap sent to manufacturer/ dealer/ importer/ registered recycler/ or any other agency to whom the used batteries scrap was sent*.	M/s. Southern Power Industries, DP No.3, Electrical INDU Estate, Kakkalur, Thiruvallur-602003, Tamilanadu.

- Enclose list of manufacture/dealer/importer/registered recyclers/or any other agency to whom the used batteries scrap was sent.

Place: Gangavaram (PO), Pedagantyada (M), Visakhapatnam Dist.

Date: 02.06.2025.

Amit Malik

Signature of the authorized person

Annexure-21

GANGAVARAM PORT LIMITED

Regd. Office:
Hansa Plaza
Plot No. 798, Road No. 36
Jubilee Hills, Hyderabad -500 033.
CIN: U45209TG2001PLC037861
Tel: +91 40 2351 9999
Fax: +91 40 2351 9990
Web: www.gangavaram.com

GPL/MoEF/024
September 04, 2015

To
The Additional PCCF, Regional Office (SZ),
Ministry of Environment and Forest,
Chennai.

Sir,

Sub: Gangavaram Port Environment & CRZ Clearance for the development of Phase -II of Gangavaram Port, Visakhapatnam District, Andhra Pradesh – Reg.
Ref: Lr.No.F.No.11-91/2010-IA-III, from the Director, MoEF, New Delhi dt.07.02.2012

Kind attention is invited to the subject and reference cited, wherein GPL was accorded with EC for the expansion of existing port facilities.

The EC conditions at 6 of specific condition directs that GPL shall enhance the allocation for the CSR activities from 2.5 % to 5% of the total cost and item wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office. Implementation of such program shall be ensured accordingly in a time bound manner.

In pursuance with the provision of Sec.135 of the Companies Act, 2013 read with Companies (Corporate Social Responsibilities Policy) Rules, 2014, a committee is constituted to recommend CSR Policy indicating the activities to be undertaken by GPL as specified in Schedule –VII.

In compliance with the above policy guidelines, GPL has allocated Rs.40.00 crs (i.e. 5 % of project cost of Rs.800.00 crs.) for taking up various schemes under CSR policy.

Based on the project cost of Rs.800.00 crs., GPL has prepared CSR implementation plan with a budget of Rs.40.00 crs. spreading over concession period of 30 years i.e., up to 2038-39. The distributed amount works out to about Rs.1.33 cr. per annum.

Accordingly, CSR implementation plan is prepared from 2009-10 to 2038-39 along with actual item wise incurred / proposed scheme of expenditure.

The CSR implementation plan is enclosed for your perusal and records please.

Thanking you

Yours sincerely,
For **Gangavaram Port Limited**

V Vasant Kumar
Asst.Vice President (Corporate Relations)

Encl: As above

GANGAVARAM PORT LIMITED - TIME BOUND CSR IMPLEMENTATION PLAN

Sl. No.	Financial Year	Category - Amount												
		Hunger, Poverty, Malnutrition, Health Care	Promoting, Education, Enhancing Vocational skills and livelihood projects	Promoting gendar equiality, empowering women/ orphans/ oldage homes	Environment / Ecological/ Animal welfare sustainability	Protection of heritage	Welfare of armed forces veterans	promote Rural Sports	Welfare of SC, ST, BC, Minorties women - PMRF/ CMRF	contributions to Technology incubators	Rural develop - ment projects	Slum develop - ment	Annual Budget in crs.	Actual Expenditure
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	2009-10	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2010-11	-	-	-	-	-	-	-	-	-	-	-	-	-
3	2011-12	-	-	-	-	-	-	-	-	-	-	-	-	-
4	2012-13	1748667	718334	-	180000	-	1760640	-	-	-	-	-	1.33	4407641
5	2013-14	1187618	3900	1443492	359215	1601373	1045000	-	535750	-	-	-	1.33	6176348
6	2014-15	916233	1599695	2389015	39750	-	-	-	11784890	-	-	-	1.33	16729583
7	2015-16	228212	507370	1000000	289250	20000	60000	20000	20000	-	-	-	1.33	2144832 *
8	2016-17	-	-	-	-	-	-	-	-	-	-	-	1.33	-
9	.....	-	-	-	-	-	-	-	-	-	-	-	1.33	-
10	2038-39	-	-	-	-	-	-	-	-	-	-	-	1.33	-
Grand Total		**4080730**	**2829299**	**4832507**	**868215**	**1621373**	**2865640**	**20000**	**12340640**	-	-	-	**40.00**	**29458404**

Note:

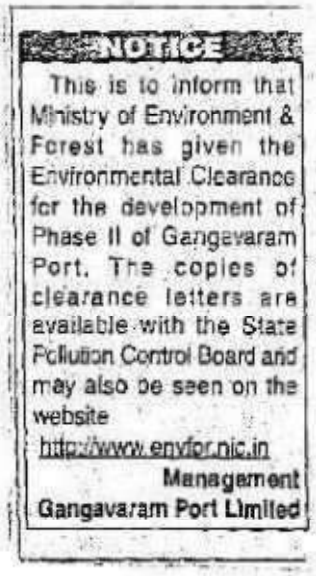
1. As per EC, CSR compliance to be 2.5% to the 5 % of Proejct cost. 2. This works out to (Rs.800.00 crs x 5%) Rs.40.00 crs. distributed over the concession period of 30 years. 3. The schemes worth Rs.1.33 crs per year are being undertaken as per the CSR provisions as mentioned in the table. 4. Categories considered as per CSR policy.

* Expenditure incurred till August 31st, 2015 for year 2015-2016.

Annexure-22

Published in

THE NEW INDIAN EXPRESS, HYDERABAD. 27th FEBRUARY 2012

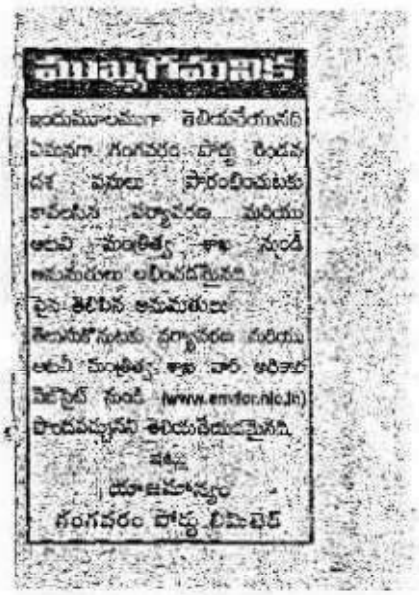


NOTICE

This is to inform that Ministry of Environment & Forest has given the Environmental Clearance for the development of Phase II of Gangavaram Port. The copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website http://www.envfor.nic.in

Management
Gangavaram Port Limited

VAARTHA, 27th FEBRUARY 2012



ప్రజానోటీసు

ఇందుమూలముగా తెలియజేయునది ఏమనగా గంగవరం పోర్టు రెండవ దశ పనులు ప్రారంభించుటకు కావలసిన పర్యావరణ మరియు అటవీ మంత్రిత్వ శాఖ నుండి అనుమతులు లభించినవి. వీని తెలిసిన అనుమతులు కొరకు పర్యావరణ మరియు అటవీ మంత్రిత్వ శాఖ వారి అధికార వెబ్‌సైట్ నుండి (www.envfor.nic.in) పొందవచ్చును తెలియజేయడమైనది.

ధన్యవాదములతో
గంగవరం పోర్టు లిమిటెడ్

Date: 12.01.2022

To

The Zonal Commissioner,
Zone – 6, Gajuwaka
Greater Visakhapatnam Municipal Corporation
Visakhapatnam

Sir

Sub:- Gangavaram Port Limited – Grant of Environmental Clearance (EC) for cargo enhancement from existing 40.95 to 60.95 MMTPA under clause 7 (ii) of EIA Notification, 2006 – Copy furnished for displaying in the Notice Board – Reg.

Ref:- EC No.10/51/2021-IA.III, dated 24.12.2021 of MoEF&CC, New Delhi.

We wish to inform you that MoEF&CC, New Delhi has granted Environmental Clearance (EC) to Gangavaram Port Limited for cargo enhancement from existing 40.95 to 60.95 MMTPA under clause 7 (ii) of EIA Notification, 2006.

In this regard, in compliance with the EC Miscellaneous Condition 2 of //, the copy of the EC is herewith furnished for your good office and request to display the same in the Notice Board.

Thanking you.

Yours sincerely,
For Gangavaram Port Limited

D. Jyothi

Dr. D. Jyothi
Vice President – Environment

Encl: a/a

Received copy

Date: 12.01.2022

To

The Tahasildar
Pedagantyada (M),
Visakhapatnam
Visakhapatnam Dist

Sir

Sub:- Gangavaram Port Limited – Grant of Environmental Clearance (EC) for cargo enhancement from existing 40.95 to 60.95 MMTPA under clause 7 (ii) of EIA Notification, 2006 – Copy furnished for displaying in the Notice Board – Reg.

Ref:- EC No.10/51/2021-IA.III, dated 24.12.2021 of MoEF&CC, New Delhi.

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In this regard, in compliance with the EC Miscellaneous Condition 2 of 9, the copy of the EC is herewith furnished for your good office and request to display the same in the Notice Board.

Thanking you.

Yours sincerely,
For Gangavaram Port Limited

Dr. D. Jyothi
Vice President – Environment

Encl: a/a

మెస్సర్స్ గంగవరం పోర్టు లిమిటెడ్

భారత ప్రభుత్వ పర్యావరణ, అటవీ మరియు వాతావరణ మార్పుల మంత్రిత్వ శాఖ (ప్రభావ అంచనా విభాగం)

ఖరీదంగ ప్రతిపాదన

ప్రైవేట్ ప్రతిపాదన
మెస్సర్స్ గంగవరం పోర్టు లిమిటెడ్
మెస్సర్స్ గంగవరం పోర్టు లిమిటెడ్, పెదగంట్యాడ మండలం, విశాఖపట్నం
జిల్లా: విశాఖపట్నం, ఆంధ్రప్రదేశ్ రాష్ట్రం, పిన్ కోడ్: ******

ఎక్స్- ఇంట్ పోర్టులోని 20వ ఆ- మిలియన్ ప్రతిపాదన ప్రాజెక్ట్ యాష్‌హ్యాండ్లింగ్ ఎక్విప్‌మెంట్ మరియు కొత్త క్వేస్ (ఎక్స్ట్ మరియు లేదు)

ఎస్.నెం.లేదు.

ప్రాజెక్టులు మరియు ఆ కార్యకలాపాలు ఏ వర్గం మరియు వర్గం కింద ఒక ఆర్థికేతర మరియు/లేదా ఏ ఆర్థిక మరియు/లేదా ఏ ఆర్థిక మరియు ఆర్థికేతర ప్రాజెక్ట్ లేదా ఏ

మున్సిపల్ గంగావరం వార్డు అమలుదారు

బహిరంగ ప్రకటన

(Cont. from earlier page)

(iii) భూమిని మరియు దాని పైన ఉన్న ఏవైనా నిర్మాణాలను, ఆ భూమి లేదా నిర్మాణాలకు సంబంధించిన అన్ని హక్కులు, టైటిల్ మరియు ఆసక్తితో సహా, ఎటువంటి భారాలు లేకుండా, పూర్తి యాజమాన్య హక్కులతో, ఎటువంటి వివాదాలు లేకుండా, ఎటువంటి అడ్డంకులు లేకుండా, ఎటువంటి అడ్డంకులు లేకుండా, ఎటువంటి అడ్డంకుల

M/S. GANGAVARAM PORT LIMITED

Government of India, Ministry of Environment, Forest and Climate Change (Impact Assessment Division)

PUBLIC NOTICE

To
The Vice President, Environment
M/S. GANGAVARAM PORT LIMITED
Mrs. Gangavaram Port Limited Hello Limousine Nannaki, Visakhapatnam
District, Visakhapatnam, Andhra Pradesh-530044

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006 regarding

Sir/Madam,

This is in reference to your application for environmental clearance (EC) in respect of project mentioned in the ministry's wide proposal number IA/AP/WCP/23/819/2021 dated 30 Nov 2021. The particulars of the environmental clearance granted to the project are as below:

1.	EC Identification No.	IA/AP/WCP/2021/819
2.	File No.	IA/AP/WCP/2021/A/III
3.	Project Type	Expansion
4.	Category	A
5.	Project/Activity including Schedule No.	7(a) Ports, Harbours
6.	Name of Project	Environment & CRZ Clearance under Clause 7 (i) of EIA Notification, 2006 and amendments thereafter - Increase in cargo handling capacity from 42.95 to 66.95 MTPA with existing 9 berths and within approved project area of 1600 acre through modernization/ mechanization at Gangavaram Port
7.	Name of company/Organization	M/S. GANGAVARAM PORT LIMITED
8.	Location of Project	Andhra Pradesh
9.	TOR Date	N/A

The project details along with terms and conditions are appended herewith from page no. 2 onwards.

Date: 24/12/2021

[e-signed]
Ashutosh Rao Scientist E
(A - BNPBA 1 secy)

Note: A valid environment clearance shall be one like the EC identification number A-1-Sept generated from PARIVESH. Please quote said identification number in all future correspondence.

2. Gangavaram Port obtained Environmental and CRZ Clearance for a cargo handling capacity of 16.54 MTPY for the construction of four berths (Dry Bulk cargo), Port Area Statement, breakwater, berth and breakwater apron, 8 and one exclusive berth for port staffs besides providing warehousing facilities and transit sheds vide (a) No. 10-20/2007-IA.III dated 11.03.2008 (hereinafter in the development of multi purpose, POL jetty and EC & CRZ Clearance vide order F.No.10-13/2007-IA.III dated 19.05.2010).

3. EC & CRZ clearance for Phase – II was obtained vide Order F.No.11-94/2008-IA.III dated 07.02.2012 with capacity augmentation from 16.54 MTPA to 40.95 MTPA and four additional berths, one mechanized coal berth to handle coal, also coal carrier and crane shall accompany berths, for which, environmental public consultation was held on 10.10.2011 (vide EIA notification, 2006 as amended).

4. At present stage, Gangavaram port is operating with nine berths and provides cargo handling services for a variety of bulk and break bulk including coal, iron ore, Multi Cargo (agri products, slag, Lime stone, Steel products etc.), Petroleum products, Fertilizer Raw Materials such as Gypsum, Aluminium Ingots, Granular etc. During the last six years cargo handling has been increased upto 34.40 MTPA. By increasing the operational efficiency of existing port infrastructure facilities, like marine infrastructure, transportation, cargo handling capacity can be enhanced from approved capacity of 40.95 MTPA to 61.95 MTPA.

5. An application has been made by GPL for environmental and CRZ clearance under Clause 7(i) for prior Environmental Clearance (EC) under Expansion or Modernization or Change of product mix in existing projects of EIA Notification, 2006 and amendments thereafter for:

a. No additional marine infrastructure such as berths, capital dredging, reclamation is proposed, no additional land is proposed as sufficient land is available within already approved port boundary of 1600 acre area.

b. No CRZ-I (Ecologically sensitive areas) as per CRZ land and only coastal regulating systems such as cranes and conveyors for back up infrastructure will be covered under CRZ - Zones of port area.

c. Development/modernization of port back up area is majorly in non CRZ area and partially falling in CRZ-II area of approved 1600 acre area. CRZ Clearance along with EIA report submitted to APCZMA and recommendations from APCZMA was obtained vide Letter No. 338/CRZ/PP/AP/2021 dated 24/10/2021.

d. No additional or any new cargo type in the current proposal and only increase in cargo handling capacity through modernization of approved cargo (dry bulk type) in the current proposal. Approximately 35% of proposed 20 MMTPA, 7 MTPA is non - dusty cargo (containerized products, agri-products etc.)

e. Modernization/mechanization of port will lead to reduction in carbon emissions due to increase in cargo evacuation through railway and up-gradation and will be achieved near railway sidings covered conveyances with enclosed transfer points.

6. Public consultation has been already carried out for 7 kilometer (KM) study area as per the notified seismic zones and environmental clearance. Various issues during public hearing such as providing jobs, dust and noise issues, green belt development and CSR activities for support on health, education and local areas addressed properly and there is no major grievance from public of regulatory authorities.

7. Following are the Cargo Handling Capacity through these berths etc.

S. No.	Name of the cargo	Existing Cargo (MMTPA) (Considered Quantity)	Additional Cargo (MTPA)	Total Cargo (MTPA)
1	Containers	0.89	2.46	3.35
2	Multi Cargo: Agri products, Food grains in bags or Bulk, Chalkpowder, Cement, Pellets, Sugar, Raw Sugar), Slag, Lime Stone, Re-rolled, Steel Products (Steel Beams, Coils, Rebars, Angles, Channels, Project Cargos), Bulk Aramina & Other cargos	6.80	5.90	12.70
3	Coal	24.00	3.25	28.25
4	Iron ore	3.00	2.50	5.50
5	Fertilizer	2.50	0	2.50
6	Industrial Raw Material (Petro coke, Charge Chrome, Chromite ore, Coal for Bagging, Aluminium Ingots, Aluminium billets, Granular Slag ores, Manganese ore, Wood reels, Paper bundles, LP Grade Materials, gypsum, cement, scrap)	3.50	0	3.50
7	Liquid cargo (edible oil, caustic lye)	0.31	0	0.70

8. The proposed project falls under Cat. Category A, Ports, Harbours as per EIA Notification 2006. The proposed project is for expansion (under Clause 7(i)) of EIA Notification, 2006 (as amended). Total investment of the project is about Rs. 5,054 Crores.

9. Geo-coordinates of the project site is as following:

From 17°39'49.46"N	To 17°39'49.46"N
From 83°16'43.01"E	To 83°15'44.609"E

10. Land use / Land breakup of the proposed project site is as following:

Sl. No.	Land Use	Area (Ha)	Percentage %
1	Built up - Port	314.54	43.2
2	Water bodies/Open Area	336.89	46.31
3	Roads Area	40.78	5.56
4	Open Space/ Land	11.81	1.62
5	Water Reservoir	21.01	2.21
	Total	729.43	100

11. Terrain description: Nearest natural boundary of the port ground level varies from 2-4 meter. Drainage pattern of the region is towards port location ground level varies from 2.0 m with respect to MSL.

12. Water requirements: The total water requirement during construction period is 1.0 MLD. The water required for proposed expansion of modernization activities is 0.8 MLD which will be sourced from treated water of STP (1.0 MLD) and remaining 1.08 KLD shall be sourced from desalination Plant by VISAKHA. Permission for withdrawal of 12.96 MLD from VISAKHA is available and addition of water requirement will be sourced from the VISAKHA.

13. Waste Management: It is estimated that domestic solid waste generated will be ~1.0 TPD. Domestic sewage and effluent from the various activities will be ~0.75 KLD. Domestic sewage will be treated in STP of ~ 1.5 KLD capacity. Used oil, Waste/hazardous containing oil, Oil soaked rags, cotton waste, discarded containers, barrels & waste battery will be collected and disposed to authorized vendors and same will be monitored by proposed project. Hazardous wastes generated at the port shall be disposed-off through authorized vendors only after taking valid authorization from State and Other bodies (Management and Transboundary Movement Rules, 2016) and its amendment.

14. STP Details: The detailed discussed at the project site will be treated in existing STP, 0.75 KLD capacity two STPs of capacity 30 KLD near to Harbour gate and other near to Jetty 2. Also, new treated water from STP is proposed to reserve for modernization/mechanization plan. Treated water will be utilized for green belt.

15. Tree cutting: Clearance of vegetation shall be carried out as per project requirement. Clearance of scrub vegetation with few tree species such as **Phoenix sylvestris** (Family: **Arecaceae**), **Acacia leucophloea** (Family: **Fabaceae**), **Borassus flabellifer** (Family: **Arecaceae**) near the ground will be negligible.

16. Green belt development: Greenbelt area is envisaged in an extent of 318.21 Acres within the plot range covering peripheral avenue trees, roads, buildings and existing canal and tank. It is proposed to develop more than 40% of the total area and 100 m width in the boundary of the port.

17. CRZ details: The project falls mainly in Non-CRZ area and notified falling in CRZ-II as per approved CRZ-I map (Map was APCZMA vide Lr.No.338/CRZ/PP/AP/2021 dated 24/10/2021). No CRZ-I is present within project site. No construction activities is proposed under this modernization. APCZMA recommendations obtained vide letter no. 338/CRZ/PP/AP/2021 dated 24/10/2021.

18. Rehabilitation: No rehabilitation of agriculture such as cattle, livestock etc. capital dredging and reclamation is proposed.

19. Employment potential: Total man power requirement during the construction phase is approximately 2000 to 2500 workers. During operation phase direct employment of 100 and indirect employment of 50 workers are envisaged.

20. Benefits of the project: The proposed expansion project will have many positive impact on Induced developments, Improved Socio-economic conditions, Quality of Life, Employment Opportunities, Revenue Generations, Corporate Social Responsibility etc.

21. Details of court cases: No court cases are pending against the proposed project.

22. The EAC based on the information submitted and clarifications provided by the project proponent and detailed presentation made by the project proponent and subsequent discussions held with the project proponent and other stakeholders at the issues in its 339th meeting on 24th - 25th November, 2021 recommended the project for grant of environmental and CRZ clearance under clause 7(i) of EIA Notification, 2006, with specific and general conditions, along with the following specific conditions, in addition to standard terms and conditions applicable for such projects.

23. The Ministry of Environment, Forest and Climate Change has considered the proposal based on the recommendations of the Expert Appraisal Committee (Infrastructure, CRZ and other Miscellaneous projects) and hereby decided to grant Environmental Clearance for the "**Increase in cargo handling capacity from 42.95 to 66.95 MTPA with existing 9 berths and within approved project area of 1600 acre through modernization/mechanization at Gangavaram Port, Visakhapatnam District, Visakhapatnam District, Andhra Pradesh by M/s Gangavaram Port Limited**" under Clause 7(i) of EIA Notification, 2006 (as amended) and CRZ Notification 2011 subject to strict compliance of the following specific conditions, in addition to standard terms and conditions applicable for such projects.

SPECIFIC CONDITIONS

i. No construction activity beyond the existing water area shall be undertaken for the project. Only maintenance/dredging activities envisaged in the present proposal shall be permissible.

ii. Biological rehabilitation/conservation of the project area and adjoining areas due to existing port and Marine Mammal Management plan and Beach nourishment plan need to be prepared and an implementation report needs to be submitted to the Ministry as a part of 6-monthly compliance report. Beach nourishment strategy has to be developed within one year from expansion scheme for avoiding erosion and accretion in the vicinities.

iii. All the recommendations and conditions specified by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) vide letter no.338/CRZ/PP/AP/2021 dated 24th October 2021 shall be complied with.

iv. Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.

v. Roadside vegetation to be raised during implementation and compensatory afforestation.

vi. Continuous online monitoring of air and water covering the core zone area shall be carried out and the compliance report of the same shall be submitted along with the 6 monthly compliance reports to the regional office of MoEF&CC.

vii. Garbage of fish / wastes of any nature not to flow into the sea in source of organic pollution which impacts near water particularly bathing. This shall be prevented by suitable precautions and also by providing necessary modifications to trap the solid bags.

viii. Hazardous waste generation and the requirement of the storage and maintenance facilities as per the rules under MoEF&CC must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central and State Pollution Control Boards and under the Environment (Protection) Act, 1986. The provisions of Solid Waste Management Rules 2016, E- Waste Management Rules, 2016 and Plastic Waste Management Rules, 2016 shall be complied with.

ix. Radiation safety aspects and occupational health of people should be done in letter and spirit.

x. The dust suppression measures for the proposed activities in the cargo should be ensured through mechanized handling and cargo enclosed evacuation.

xi. The waste water from oil spillages in cargo should be treated and disposed.

xii. As per the advisory office Memorandum F. No. 22-65/2017-IA.III dated 30th September, 2020, the project proponent shall abide by all the commitments made by them including pollution control, environmental protection and conservation, flora, wildlife and forest conservation plan/measures including the NPV, Compensatory Afforestation, wherever applicable, in the project proponent board meeting and subsequent discussions and CSR action plan carried out during the preparation of EIA report or presented to the EAC, shall also be implemented and henceforth part of CMP.

STANDARD CONDITIONS

i. Statutory compliance:

(i) Construction activity shall be commenced only according to the provisions of CRZ Notification, 2011 and the State Coastal Zone Management Plan as drawn up by the State Government. No construction work other than those permitted in Coastal Regulation Zone Act/Rules shall be carried out on Coastal Regulation Zone area.

(ii) A certificate or affidavit of available power from the agency supplying power to the project along with the load allowed for the project shall be obtained.

(iii) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Food Safety, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.

ii. Air quality monitoring and preservation:

(i) The project proponent shall install system to carryout regular ambient air quality monitoring at conservation/ preservation issues (consent to establish/ consent to operate) (e.g. PM10 and PM2.5 in reference to TM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within the study zone in the project area at least at four locations, covering upwind and downwind directions.

(ii) Adequate Air Pollution Control (APC) system shall be provided to all the heat generating plants/ industries (Captive Power Plant) and material handling units, conveyor belts, transfer points etc.

(iii) Shoreline shall be constituted with adequate slope to avoid the dust blown out facility area. This will act as dust curtain as well as to prevent any dust discharge from the site. These curtains should will be reasonably effective in minimizing disturbance from wind as affecting the dry dock operations, preventing water stagnation, improving working conditions through provision of shade for the workers.

(iv) Dust extractors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by adequate ventilation.

(v) The vessels shall comply the emission norms as per the latest laws in force.

(vi) Diesel power generating units proposed as source of backup power should be of enclosed type and conform to noise emission norms (Environment (Protection) Act, 1986). The height of stack of DG sets should be equal to the height required for the combined capacity of all proposed DG sets. Use of low sulphur diesel. The emission of the DG sets may be decided in consultation with State Pollution Control Board.

(vii) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 500 m radius of the project is not reduced and even after the implementation of the project. This plan shall be based on cumulative impact of all developments and increased recreational boating period as per proposal to be carried out in the project as well as other agencies in the 05 kilometre of the core of the project. Accessway of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development Department and the PWD of competent authority for road augmentation and shall also have other concern to the implementation of components of the plan which involve the participation of these departments.

iii. Water quality monitoring and preservation:

(i) The Project proponent shall ensure that no oil leaks or diversion should be allowed in the project site and the disposal would be done properly.

(ii) Appropriate measures must be taken while undertaking dredging activities to avoid any likely ingression of saline water into the existing surface water quality and creation of any pockets of stagnation leading to the propagation of water borne diseases.

(iii) No ship breaking in the proposed project site will clashing go to original depths and/or unplanned to be the estuary/ channel. All such wastewater treatment be diverted to the proposed Effluent Treatment Plant of the project site.

(iv) Measures should be taken to control soil erosion in the construction period from the catchment area.

(v) The project proponent will draw up and implement a plan for the management of temporary effluents between reclamation and discharge points.

(vi) Spillage of coal / cargo materials to be kept from the construction site and a source of organic pollution which leads to rise in the BOD be prevented by adequate precautions and also by providing necessary sanitation and to trap the spillage.

(vii) Each berth wise one shed of adequate size may be provided as proposed in the project details. Prior permission from competent authority shall be obtained for use of fresh water.

(viii) Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, greenbelt, HVAC purposes and dust suppression.

(ix) A certificate from the competent authority for discharging treated effluent/ permitted effluents into the Public sewer / Municipal sewage system along with the final disposal point should be obtained.

(x) No diversion of the natural course of the river shall be made and no pile permission from the Ministry of Water Resources.

(xi) All the wastewater and storm water shall be taken as water from facilities. Earth protection work shall be carried out to avoid erosion and contamination of the shoreline boundary like from dredging into the river and water bodies.

iv. Noise monitoring and prevention:

(i) Noise level surveys shall be conducted as per the prescribed guidelines and report in this regard shall be submitted to Regional Office of the Ministry as a part of six monthly compliance report.

(ii) Noise from vehicles, power machinery and equipment should not exceed the prescribed limit. Equipment should be regularly serviced. Protection shields also be given to ensure maintenance and endurance of noisy equipments.

(iii) Acoustic enclosures for DG sets, noise barriers for ground run days, ear plugs for operating personnel shall be implemented as important measures to reduce impact due to ground sources.

(iv) The ambient noise levels should conform to the standards prescribed under GSR 93 dated 14th Feb, 2000 viz. 75 dB(A) during day time and 70 dB(A) during night time.

v. Energy Conservation measures:

(i) Roof top solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking area and project area and maximum tree planting shall be done.

(ii) Provision of lights in the form of sky domes.

vi. Waste management:

(i) Dredged material shall be disposed safely in the designated areas.

(ii) Shoreline should not be disturbed due to dredging. Periodical study on shoreline changes should be conducted and report submitted to the Ministry. The detailed plan for submission along with the same shall be furnished.

(iii) Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that the same is not discharged (or mixed) by the occupiers or industries including the Centre or State Public sector Undertakings and under the Environment (Protection) Act, 1986.

(iv) The solid wastes shall be managed and disposed as per the rules of the Solid Waste Management Rules, 2016.

Contd. on next page

M/S. GANGAVARAM PORT LIMITED

PUBLIC NOTICE

(Cont. from earlier page)

(v) Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.

(vi) A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.

(vii) Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination.

(viii) Oil spill contingency plan shall be prepared and part of EMP is to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be adopted.

VII. Green Belt:

(i) Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.

(ii) Top soil shall be separately stored and used in the development of green belt.

VIII. Marine Ecology:

(i) Dredging shall not be carried out during the fish breeding and spawning seasons.

(ii) Dredging etc shall be carried out in the confined manner to reduce the impacts on marine environment.

(iii) The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.

(iv) While carrying out dredging, an independent monitoring shall be carried out through a Government Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.

(v) A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography.

(vi) Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components including all micro, macro and mega flora and fauna components of marine biodiversity.

(vii) The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.

IX. Public hearing and human health issues:

(i) The workspace shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.

(ii) Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, wherever and wherever necessary/ required. Special visco elastic gloves will be used by labour exposed to hazards from vibration.

(iii) In case of repair of any old vessels, extensive care shall be taken while handling Asbestos & Freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos materials at site before disposal to CTSDF.

(iv) Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents and deaths.

(v) Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.

(vi) Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.

(vii) Occupational health surveillance of the workers shall be done on a regular basis.

X. Environment Responsibility:

(i) The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringement/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six monthly report.

(ii) A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.

(iii) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

(iv) Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

XI. Miscellaneous:

(i) The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.

(ii) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

(iii) The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including result of monitored data on their website and update the same on half-yearly basis.

(iv) The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

(v) The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

(vi) The criteria pollutant levels namely; PM2.5, PM10, SO2, NOx (ambient levels) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

(vii) The project proponent shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities, commencing the land development work and start of production operation by the project.

(viii) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

(ix) The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

(x) No further expansion or modifications in the project shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

(xi) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.

(xii) The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

(xiii) The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.

(xiv) The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

(xv) The above conditions shall be enforced, inter alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Court and any other Court of Law relating to the subject matter.

(xvi) Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

22. This issues with the approval of the Competent Authority.

(Amardeep Raju)
Scientist-E

Copy to:

1. The Principal Secretary, Department of Environment, Forest, Science & Technology, Government of Andhra Pradesh, Hyderabad, A.P.
2. The Member Secretary, AP Pollution Control Board, Chalamalasetti Street, Kasturibaipet, Vijayawada - 520 010.
3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Additional Principal Chief Conservator of Forests (C), Aranya Bhawan, K.M. Munshi Road, Nagarampalem, Guntur-522 004, Andhra Pradesh.
5. Monitoring Cell, MoEF&CC, Indira Paryavaran Bhawan, New Delhi.
6. Guard File/Record File.
7. Notice Board.

(Amardeep Raju)
Scientist-E

सेंट्रल ट्रांसमिशन यूटिलिटी ऑफ इंडिया लिमिटेड
(पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड के स्वामित्व में)
(भारत सरकार का उद्यम)
CENTRAL TRANSMISSION UTILITY OF INDIA LTD.
(A wholly owned subsidiary of Power Grid Corporation of India Limited)
(A Government of India Enterprise)

Ref: CTU/S/GNA-INT-2B/2200001687

Date: 28.04.2025

Shri Mohit Srivastava
Senior Manager
Adani Gangavaram Port Ltd.
Adani Corporate House, Shantigram
near Vaishnodevi Circle, S. G. Highway Khodiyar
Ahmedabad- 382421
ranjan.kumar3@adani.com
mohit.srivastava@adani.com

Subject: Intimation for grant of GNA$_{RE}$ for 2.5 MW to M/s Adani Gangavaram Port Ltd. – Reg.

Ref : 1. Application no. 2200001687 dated 24.01.2025 for grant of GNA$_{RE}$ for 2.5 MW under GNA Regulations 17.1 (ii)
2. 37th CMETS-SR held on 17.04.2025 (MoM awaited).
3. APTRANSCO NoC dated 06.01.2025

Dear Sir,

This is with reference to your app. no. 2200001687 for grant of GNA$_{RE}$ for 2.5 MW. Application was discussed in 37th CMETS-SR, held on 17.04.2025 (MoM awaited), wherein it was agreed to grant GNA$_{RE}$ for 2.5 MW with start date of GNA as 30.04.2025.

In view of the above, please find attached intimation for grant of GNA$_{RE}$ for 2.5 MW (Within Region 0 MW and outside the region: 2.5 MW) to M/s Adani Gangavaram Port Ltd. on existing ISTS system. Copy of the NoC issued by APTRANSCO is attached at **Annexure-A.**

Thanking you,

Yours faithfully,

Anil 28/4/25

(Anil Kr. Meena)
General Manager

Encl. : as above

Distribution List:

1. Chief Engineer (PSP&A – I) Central Electricity Authority Sewa Bhawan, R.K.Puram, New Delhi – 110 066.	**2. Chief Engineer (Transmission/GEC)** Ministry of New and Renewable Energy, Block 14, CGO Complex, Lodhi Road, New Delhi – 110003
3. Director (Transmission) Transmission Corp. of Andhra Pradesh Ltd. (APTRANSCO) Vidyut Soudha, Gunadala, Eluru Rd, Vijayawada, Andhra Pradesh – 520004	**4. Member Secretary** Southern Regional Power Committee 29, RaceCourse Cross Road Bangalore – 560 009.
5. Director Transmission) Transmission Corp. of Telangana Ltd. Vidyut Soudha Hyderabad – 500 082 Fax: 040-23321751	**6. Director (Transmission)** Karnataka State Power Transmission Corp. Ltd., Cauvery Bhawan Bangalore – 560 009 Fax: 080-22228367
7. Director (Trans. & System Op.), Kerala State Electricity Board Ltd. Vidyuthi Bhawanam, Pattom, P.B. No. 1028 Thiruvananthapuram – 695 004. Fax: 0471-2444738	**8. Director (Transmission Projects)** Tamil Nadu Transmission Corporation Ltd (TANTRANSCO) 6th Floor, Eastern Wing, 800 Anna Salai, Chennai – 600 002 Fax: 044-28516362
9. Superintending Engineer –I First Floor, Electricity Department Gingy Salai, Puducherry – 605 001.	**10. Director (SO)** Grid-India 9th Floor, IFCI Towers, 61, Nehru Place, New Delhi – 110019
11. Executive Director Southern Regional Load Dispatch Centre Grid-India 29, Race Course Cross Road, Bangalore – 560009	**12. Director (Power System)** Solar Energy Corporation of India Ltd. D-3, 1st Floor, A wing, Religare Building, District Centre, Saket, New Delhi – 110017

INTIMATION FOR FINAL GRANT OF GNA UNDER REGULATION 22.2 TO ENTITIES UNDER REGULATION 17.1 (II), (III) AND (V)

A.	**General**		
1	**Intimation No.**	:	CTU/S/GNA-INT-2B/2200001687
	Date	:	28.04.2024
2	**Ref. Application No.**	:	2200001687
	Date	:	24.01.2025
3	**Name of the Applicant**	:	M/s Adani Gangavaram Port Ltd.
4	**Address for Correspondence**	:	Adani Corporate House, Shantigram near Vaishnodevi Circle, S. G. Highway Khodiyar Ahmedabad- 382421
5	**Nature of the Applicant**	:	Drawee Entity Connected to Intra State system
B.	**GNA Details**		
6	**Details for General Network Access (GNA) requested**		
a	Quantum (MW) of GNA_{RE}	:	2.5 MW (Outside region: 2.5 MW) (Within region: 0 MW)
b	Start date of GNA_{RE}	:	01.03.2025
c	End Date of GNA_{RE}	:	31.03.2026
7	**Details of General Network Access (GNA) granted**		
a	Quantum (MW) of GNA_{RE}	:	2.5 MW (Outside region: 2.5 MW) (Within region: 0 MW)
b	Start date of GNA_{RE}	:	30.04.2025
c	End Date of GNA_{RE}	:	31.03.2026
d	Through existing system or with network augmentation of system	:	Existing ISTS
e	Transmission System for GNA_{RE}	:	Existing Transmission System
8	**Details for GNA System**		
i.	Point at which connectivity is granted	:	Through STU network of Andhra Pradesh
ii.	Voltage level of allocated terminal bay	:	NA

iii.	Terminal bay at ISTS end already available	:	NA
iv.	Terminal bay at ISTS end to be constructed under ISTS	:	NA
v.	Bay no. and SLD	:	NA
C.	**Bank Guarantees to be submitted**		
a	**Amount of Conn-BG1**	:	NA
b	**Amount of Conn-BG2**	:	NA
c	**Amount of Conn-BG3**	:	NA
d	**One-time GNA charge**	:	NA
D. Details of communication system			
i.	**Details of communication system**	:	As per **Annexure-I**

Note: General Network Access is granted to the ISTS subject to the following:

1. The Grantee shall abide by all provisions and its amendments thereof or re-enactment of:
   - i) Electricity Act, 2003;
   - ii) CERC (Connectivity and General Network Access to the inter-State transmission System) Regulations, 2022 and corresponding Detailed Procedure for Connectivity and GNA;
   - iii) CEA (Technical Standards for Connectivity to the Grid) Regulations, 2007
   - iv) CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations,2020
   - v) CEA (Technical Standards for construction of Electrical Plants and Electric Lines) Regulations, 2022;
   - vi) CEA (Grid Standard) Regulations, 2010;
   - vii) CEA (Safety requirements for construction, operation and maintenance of Electrical Plants and Electrical Lines) Regulations, 2011;
   - viii) CEA (Measures relating to Safety and Electricity Supply) Regulations, 2010;
   - ix) CEA (Installation and Operation of Meters) Regulations, 2006;
   - x) CEA (Technical Standards for Communication System in Power System Operations) Regulations, 2020;
   - xi) CERC (Communication System for Inter –State transmission of Electricity) regulations, 2017;
   - xii) CERC (Indian Electricity Grid Code) Regulations, 2023.
   - xiii) CEA (Cyber Security in Power Sector) Guidelines, 2021;
   - xiv) CEA (Manual of communication planning in Power System operation),March 2022;

xv) CERC Guidelines on "Interface Requirements" under the CERC (Communication System for inter-State transmission of electricity) Regulations, 2017;

xvi) Any other applicable Act / Rules / Guidelines / Standards / Regulations / Procedures etc.

1. That the applicant shall keep the CTU and RLDC/NLDC indemnified at all times and shall undertake to indemnify, defend and keep the CTU, RLDC/NLDC harmless from any and all damages, losses, claims and actions including those relating to injury to or death of any person or damage to property, demands, suits, recoveries, costs and expenses, court costs, attorney fees, and all other obligations by or to third parties, arising out of or resulting from the GNA transaction.
2. The applicant/grantee shall be required to pay applicable ISTS transmission charges as per relevant CERC Regulations/Orders.

Anil 28/4/25

Place: Gurugram

Date: 28.04.2024

Name: Anil Kr. Meena

Designation: General Manager

Annexure-I

Details of communication system

1. Applicant shall utilize the existing communication infrastructure to send the data to SLDC/RLDC.
2. Applicant to provide appropriate cyber security as per CEA (Cyber Security in Power Sector) Guidelines, 2021.

Annexure-A

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED
VIDYUT SOUDHA :: VIJAYAWADA
CIN: U31909AP1998SGC107226 Website: www.aptransco.co.in

From
The Chief General Manager,
Commercial & Co-ordination,
APTRANSCO,VidyutSoudha,
Gunadala,Vijayawada – 520 004.

To
M/s Adani Gangavaram Port Limited,
Adani Corporate House, Shantigram,
Near Vaishno Devi Circle, S.G Highway,
Khodiyar, Ahmedabad-382421
Gujarat, India.

Lr.No.CGM-Comml&Co-ord/GM-C/DGM-C/DEE-OA/F.-Adani-G/D.No.16 /25,Dt:06.01.2025.
Sir,

Sub: APTRANSCO- Issue of "No Objection Certificate" (NOC) of APTRANSCO in Format **FORMAT-GNA-INTRA-NOC** for GNARE – Letter of Invitation for concluding Agreement with APTRANSCO for Transmission charges - Regarding.

Ref: Application filed by M/s Adani Gangavaram Port Limited, Dt: 25.06.2024.

<<0>>

APTRANSCO has considered your application submitted vide ref (1) cited above and accorded approval for the issue of "No Objection Certificate (NOC)" of APTRANSCO (STU) for General Network Access(**GNARE**) to draw 2.5 MW power by M/s Adani Gangavaram Port Limited (HTSC No.VSP-655) located at Gangavaram Post(V), Pedagantyada, Visakhapatnam (Dist) connected to 220 KV Gangavaram port SS, APTRANSCO Grid Sub-Station at 220 KV level in APEPDCL area through ISTS from your Wind-Solar-Hybrid Power Plant which is being setup at Khavda, Gujarat State for a period from 01.12.2024 to 31.03.2026.

In this regard, the **GNARE** "No Objection Certificate" in **FORMAT-GNA-INTRA-NOC**(enclosed) of APTRANSCO is herewith communicated and it is requested to conclude Transmission Service Agreement with APTRANSCO for drawl of 2.5 MW power through APTRANSCO network for the period up to 31.03.2026 within 30 days from the date of approval of GNARE by CTU , duly complying with the following conditions, failing which your NOC stands cancelled.

1. The Applicant shall pay Security Deposit towards two months SLDC Operating charges of **Rs.14,276/- @ Rs.2379.33/MW/Month** and Transmission Charges on total capacity of 2.5 MW of **Rs.9,04,150/- @ Rs.180.83/ KW/Month** to APTRANSCO before commencement of GNARE as per APERC Tariff Orders and Regulations as amended from time to time.
2. The Applicant shall open Letter of Credit amount as intimated by APEPDCL towards imbalance in supply and consumption of electricity for a period of 10 days, before commencement of Open Access to APEPDCL.
3. You are requested to attend this office along with Non-Judicial Stamp Papers worth of Rs.100/- and Rs.20/- (2sets) for entering Transmission services Agreement.

4. **Terms and conditions:**

   4.1 The addressee shall abide by the Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022.and related matters.

   4.2 M/s Adani Gangavaram Port Limited (HTSC No.VSP-655) shall provide interface meters and metering equipment as per CEA (Installation and operation of meters) Regulation, 2006 & its subsequent amendments and as per APERC Practice Directions No. APERC/1/2015, Dated: 29-01-2015.

Mohit Srivastava
Digitally signed by Mohit Srivastava
Date: 2025.01.22 18:31:21 +05'30'

4.3 M/s Adani Gangavaram Port Limited (HTSC No.VSP-655) shall pay Transmission Charges for the use of STU network and Operating Charges for the State Load Dispatch Center as approved by APERC for the quantum approved(for 2.5 MW capacity) irrespective of receipt of actual power flow/Inter-state open access utilization.

4.4 The Applicant shall be charged SLDC charges & Transmission charges as per the APERC tariff orders for the 5th Control Period i.e. from FY 2024-25 to FY 2028-29.

4.5 The recipient shall submit the share holding pattern and percentage usage of electricity generated as per the conditions laid down Electricity Rules 2005 for requirement of Captive status for exemption of payment of cross subsidy surcharge to respective consumer Discom(s). Otherwise, the company has to pay the cross subsidy surcharge as per the bills raised by respective consumer Discom(s) as per the Orders issued by APERC from time to time.

4.6 The recipient shall pay UI/DSM Charges as per the claim of APSLDC/APTRANSCO, RTDA & Reactive Energy Charges etc., as per CERC regulations from time to time.

4.7 The recipient shall pay security deposit for two months towards Transmission and SLDC charges as applicable from time to time.

4.8 The recipient shall abide by any other Regulation / Rules / Conditions and amendment to the existing regulations as may be issued by APERC and CERC from time to time.

4.9 Further, an undertaking shall be submitted to the undersigned that any GNA charges which are levied on STU as a part of your GNAre access, the same would be paid by you along with transmission charges every month.

4.10 Power quality meters in accordance with IEEE 519-2014 standards as amended time to time, is to be installed for continuous monitoring, measuring and metering of harmonies with provisions of IEC 61000-4-30 Class-A.

Yours truly,

Chief General Manager
Commercial & Co- ordination
APTRANSCO

Copy to:

The Chief General Manager/Power Purchase/APPCC **
The Chief General Manager/RA& PP/APEPDCL/Visakhapatnam **
The Chief Engineer /SLDC/Vidyut Soudha/Vijayawada. **
The Chief Engineer/Zone/Kadapa/APTRANSCO.
The FA&CCA(R & E)/APTransco/V.S/ Vijayawada.

** With a request to settle the energy upon conclusion of TSA(Transmission Service Agreement) with APTRANSCO.

Mohit Srivastava
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Date: 2025.01.22 18:31:40 +05'30'

FORMAT-GNA-INTRA-NOC

NO OBJECTION CERTIFICATE (NOC) OF TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

NOC No. : 01/2025/APTRANSCO

Issue Date : 06.01.2025

1. Name of the STU issuing NOC : APTRANSCO
2. Region : SR
3. Name of the Entity to whom NOC is issued : M/s Adani Gangavaram Port Limited (APEPDCL HTSC No.VSP-655)
4. Status of Entity : Consumer
5. Point(s) of Connection to STU : Connected at 220KV level in 220 KV Gangavaram port Substation, Visakhapatnam Circle
6. Max. MW ceiling allowed for Drawal* : 2.5 MW (GNARE)

   *(*STU may specify different MW ceilings for different time blocks, if required.)*
7. Start Date of NOC : 01-01-2025
8. End Date of NOC : 31-03-2026
9. Transmission losses (besides ISTS Transmission losses)

	Whether Applicable or not (Yes/No)	(%) loss
State Transmission losses	Yes	As per APERC Tariff Orders and Regulations.
Any other losses		

10. Transmission charges (besides ISTS Transmission charges)

	Whether Applicable or not (Yes/No)	Rate (Rs./MWh)
State Transmission charges	Yes	As per APERC Tariff Orders and Regulations.
SLDC Annual fee and monthly charges	Yes	As per APERC Tariff Orders and Regulations.
Any other charges		

Mohit Srivastava

Digitally signed by Mohit Srivastava
Date: 2025.01.22 18:31:54 +05'30'

It is hereby certified that:

a) We have "No Objection" to seeking and availing GNARE by M/s Adani Gangavaram Port Limited, through ISTS up to the MW ceiling as specified above, in accordance with applicable Regulations of CERC/APERC.

b) We have the required infrastructure for energy metering and time block wise accounting in place. The State network has the required transfer capability for transfer of power as per specified ceiling.

c) The Transmission Charges for the use of State network and Operating Charges for the State Load Despatch Centers shall be directly settled by Applicant with APTRANSCO.

d) The State Utility designated for the purpose of collection/disbursement of DSM charges shall be responsible for timely payment of State's composite dues into the Regional Pool Account.

e) Any mismatch between the Scheduled and Actual drawal for the Intra-State Entity shall be determined by APSLDC/APEPDCL and will be covered in the Intra-State DSM accounting scheme, or as applicable.

f) The Reactive Energy Charges shall be governed by the Regulations applicable within the State.

g) We shall inform the total import and export capability of the State as a whole to all concerned. Attempt shall be made to declare this in advance through our website.

h) Any change in the contents of the NOC shall be conveyed to the party to whom NOC was given, at least 180 days prior to the day of transaction. In such cases, the RLDC(s)/NLDC shall also be informed simultaneously.

Additional Terms and conditions:

1. **M/s Adani Gangavaram Port Limited shall conclude Transmission service agreement with APTRANSCO for drawl of 2.5MW power through APTRANSCO network within 30 days from the date of approval of GNARE by CTU.**
2. The recipient shall abide by the Central Electricity Regulatory Commission (Connectivity and General Network Access to the inter-State Transmission System) Regulations, 2022 and related matters.
3. M/s Adani Gangavaram Port Limited (HTSC No.VSP-655) shall provide interface meters and metering equipment as per CEA (Installation and operation of meters) Regulation, 2006 & its subsequent amendments and as per APERC Practice Directions No. APERC/1/2015, Dated: 29-01-2015.
4. M/s Adani Gangavaram Port Limited (HTSC No.VSP-655) shall pay Transmission Charges for the use of STU network and Operating Charges for the State Load Dispatch Center as approved by APERC for the quantum approved(for 2.5 MW capacity) irrespective of receipt of actual power flow/Inter-state open access utilization.
5. The recipient shall be charged SLDC charges & Transmission charges as per the APERC tariff orders for the 5th Control Period i.e. from FY 2024-25 to FY 2028-29.

Mohit Srivastava

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6. The recipient shall submit the share holding pattern and percentage usage of electricity generated as per the conditions laid down Electricity Rules 2005 for requirement of Captive status for exemption of payment of cross subsidy surcharge to respective consumer Discom(s). Otherwise, the company has to pay the cross subsidy surcharge as per the bills raised by respective consumer Discom(s) as per the Orders issued by APERC from time to time.
7. The recipient shall pay UI/DSM Charges as per the claim of APSLDC/APTRANSCO, RTDA & Reactive Energy Charges etc., as per CERC regulations from time to time.
8. The recipient shall pay security deposit for two months towards Transmission and SLDC charges as applicable from time to time.
9. Further, an undertaking shall be submitted to the undersigned that any GNA charges which are levied on STU as a part of your GNAre access, the same would be paid by you along with transmission charges every month.
10. The recipient shall abide by any other Regulation / Rules / Conditions and amendment to the existing regulations as may be issued by APERC and CERC from time to time.
11. Power quality meters in accordance with IEEE 519-2014 standards as amended time to time, is to be installed for continuous monitoring, measuring and metering of harmonics with provisions of IEC.61000-4-30 Class-A.

<< Signature >>

Chief General Manager/Commercial & Co-ordination
APTRANSCO, Vidyut Soudha,
Vijayawada-520 004.

***Name:**

***Designation (of authorized signatory of STU):** Chief General Manager/Commercial&Co-ordination

***Place:** Vijayawada

***Date:** 06.01.2025

***Phone/Mobile No.:** 98493 92332

***Email id:** ce_planning@yahoo.com

Mohit Srivastava

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Certificate of Approval

Issued by Indian Register Quality Systems

IRCLASS

To certify that the Occupational Health and Safety Management Systems of

Adani Gangavaram Port Limited

ADDRESS
Gangavaram (Post),
Pedagantyada (Mandal), Visakhapatnam,
Andhra Pradesh - 530044, India

has been assessed and found conforming to the requirements of ISO 45001: 2018

INITIAL CERTIFICATION DATE	CURRENT DATE OF GRANTING	EXPIRY DATE
APRIL 10, 2021	MARCH 10, 2021	APRIL 11, 2024

CERTIFICATION SCOPE

Providing Integrated Seaport Facilities and Related Services for Handling, Storage and Delivery of Cargo at Adani Gangavaram Port Limited

Chief Executive Officer (CEO)

INDEX

Sl. No.	Compliance status on the conditions stipulated in
1.	SEIAA/AP/VSP/MIN/08/2020/2060/158.105&153.124 516 Date: 29.07.2021
2.	CFE Order No. 8375/APPCB/ZO-VSP/VSP/CFE/2021, Date: 12.11.2021
3.	CTO-No. 8375/APPCB/ZO-VSP/ VSP/ CTO/2024, dated 26.02.2024
4.	SEIAA/AP/MIN/EC/VS/04/2025/1340/269.45&269.21, Date: 02.09.2025

Compliance for Environmental Clearance(EC)
Order No: SEIAA/AP/VSP/MIN/08/2020/2060/158.105&153.124 516 Date: 29.07.2021

PART-A SPECIAL CONDITIONS		
S.NO	**CONDITION**	**COMPLIANCE**
i.	The proposal shall not attract the following Acts & Rules: a. Forest Act 1980, b. Wild life (Protection) Act,1972; c. CRZ Notification, 2011; d. The Eco sensitive areas as notified under Environment (Protection) Act,1986; e. Critically polluted areas as notified by CPCB and also shall not harm live stocks and human beings and disturb their activities.	Being complied. But the Quarry activity is yet to be commenced
ii.	The total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan.	Noted & Production will be done as per mining scheme/plan
iii.	The project proponent shall maintain the setback distance 7.5 meters buffer zone all around the mine lease area for greenbelt development and other conditions are to be fulfilled.	Being Complied with the condition.
iv.	The avenue plantation with tall plants of at least1.5m height for 1 km of the approach road on either side of the road is to be developed and maintained. Entire greenbelt should be developed in the first year itself.	Being Complied with the condition. Developed greenbelt with in the quarry area. Photographs attached as **Annexure-4**
v.	The proponent is advised to ensure safety to animal and public life.	Noted the condition will be complied
PART-B SPECIAL CONDITIONS		
1. Air Pollution:-		
i.	Suitable drilling & cutting methods shall be adopted to control dust emissions, as pre-approved mining plan.	Noted the condition & will be complied but drilling & cutting methods not yet started
ii.	The proponent shall comply with mining methodology mentioned approved mining plan and Form-I.	Complied with the condition.

iii.	Greenbelt shall be developed along the boundary of mining lease area and also in backfilled and reclaimed areas with tall growing native species in consultation with the local DFO/ Agriculture Department. The proponent of mine shall carry mining operations in such a manner so as to cause least damage to the flora of the mining area and nearby areas. He shall take immediate measures for planting in the same area or any other area selected by authorities not less than	A thick Greenbelt developed all around the proposed quarry location. Photographs attached as **Annexure-4**
	twice the number of trees going to be felled by mining operations. He shall also take measures for restoration of other flora /fauna if damaged by mining operations. In case any felling or damage to fauna and flora is involved, prior permission shall be taken from the concerned regulatory authority, by the proponent, without which mining shall not be taken up.	
iv.	Effective safe guard measures such as regular water sprinkling shall be carried out incritical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Prior concurrence of regulatory Authority must be obtained by the proponent	Being Complied
v.	The proponent of mine shall carry air quality monitoring in the core zone as well asbuffer zone for RSPM and Noise levels. Location of monitoring stations should be decided based on the metrological data topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with Andhra Pradesh Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Chennai and the Andhra Pradesh Pollution Control Board/Central Pollution Control Board once in six months. Prior concurrence of regulatory Authority must be obtained by the proponent.	The activity is yet to be commenced, and this condition will be complied with. Being complied & monitoring at site be carried out by NABL

vi.	The proponent shall construct graded roads connecting the mining area to the nearby roads to avoid dust nuisance due to vehicular movements. Prior concurrence of regulatory Authority must be obtained by the proponent.	Complied.
vii.	The proponent shall take precautions against noise arising out of mining operations and shall be abated or controlled at the source so as to keep it within the permissible limits notified under Environmental (Protection Act 1986/Noise Pollution (Regulations & Control) Rules, 2010 by implementing the	Being complied but the activity is yet to be commenced

	following noise control measures. o Proper and regular maintenance of vehicles and other equipment. o The proponent shall ensure that there shall be no excessive noise, while taking-up mining activity. o The workers employed shall be provided with protection equipment and earmuffs etc. o Speed of trucks entering or leaving the mine is to be limited to moderate speedof 25 kmph to prevent undue noise from empty trucks.	
viii.	Whenever any damage to public buildings or monuments is apprehended due to their proximity to the mining lease area, scientific investigations shall be carried out by the holder of mining lease so as to keep the ground vibrations caused by blasting operations within safe limit. In such cases, Prior concurrence of concerned Regulatory Authority must be obtained by the proponent, without which, mining shall not be taken up.	➢ The rough stone quarry exists within the Port boundary. The activity is yet to commence. ➢ No public buildings or monuments exists in the nearby vicinity.
ix.	The proponent shall not take-up mining activity unless he obtains the safety clearance certificate from the Govt. competent authority.	The quarrying activity is yet to commence, and this condition will be complied with.
	2) Water Pollution:-	
i.	As per records the source of water is Bore well. Total water requirement is 4.0 KLD 1.5 KLD is used for water sprinkling on haul roads: 1.5 KLD is used for development of green belt: 1.0 KLD is used for domestic purpose.	There is no ground water withdrawal & discharge within the Port premises and implementing Zero Liquid Discharge. The quarrying activity is yet to commence, and this condition will be complied with.

ii.	Garland drain and Siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted, particularly after monsoon, and maintained properly. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.	Complied. **Photographs attached as ANNEXURE-1**
iii.	The proponent of the mine shall take all possible precautions to prevent or reduce the discharge of toxic and objectionable liquid effluents from mine, workshop, tailing ponds into surface bodies, ground water aquifier and useable lands to a minimum. The effluents shall be suitably	Complied with the condition and the same is to be adopted as per applicability .

	treated, if required, to conform to the general standards notified under Environmental (Protection) Act, 1986. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.	
iv.	Monitoring of ground water level and quality should be carried out quarterly by the project proponent in and around the project area in consultation with State Ground Water Department/Central Ground Water Authority and data thus collected shall be submitted regularly to the MoE&F and its Regional Office Chennai, CGWA, and the Regional Director, Central Ground Water Board, Hyderabad. If at any stage, it is observed that the ground water table is getting depleted due to the mining activity, necessary correction measures shall be carried out in consultation with concerned Regulatory Authority	There is no ground water withdrawal & discharge within the Port premises and implementing Zero Liquid Discharge.
v.	Suitable conservation measures to augment groundwater resources in the area shall be planned, and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting in consultation with concerned Regional Authority.	Being complied.
vi.	Permission from the competent authority should be obtained for drawl of ground water if any required for this project.	There is no ground water withdrawal & discharge within the Port premises and implementing Zero Liquid Discharge.
	3) Solid Waste:	

i.	**Topsoil:** Wherever top soil exists and is to be excavated for mining operations, remove it separately and the top soil so removed shall be utilized for restoration or rehabilitation of the land, which is no longer required for mine operations or for stabilizing or landscaping the external dumps. Whenever the top soil cannot be utilized concurrently, it shall be stored separately for future use. Prior concurrence of Regulatory Authority must be taken for this activity.	The quarrying activity is yet to be commenced, and this condition will be complied with.
ii.	**Overburden:** The proponent of mine shall take steps so that the overburden, waste rock, rejects and fines generated during mining operations shall be stored in separate dumps preferably on impervious grounds. The waste rock, overburden etc. shall be backfilled into the mine excavations so as to restore the land to its original use as far as possible. In the case of non-feasibility of back filling, the waste dump shall be suitably terraced and stabilizes through the vegetation. The proponent shall maintain proper angle of repose to ensure stability to the dump. Prior concurrence of Regulatory Authority must be taken for this activity.	The quarrying activity is yet to be commenced, and this condition will be complied with.
iii.	The proponent of mine shall construct required number of retaining walls to provide stability to the dumps. Dimensions of the retaining walls shall be based on the rainfall data. Prior concurrence o f Regulatory Authority must be taken for this activity.	Complied. **Photographs attached as ANNEXURE-2**
iv.	The proponent of mines shall construct required number of garland drains to arrest mineral particles being carried away as runoff during rainy seasons around the dump yards. Dimensions of the garland rains shall be based on rainfall data. Prior concurrence of Regulatory Authority must be taken for this activity.	Complied. **Photographs attached as ANNEXURE-1**

v.	The proponent of the mine shall undertake phased restoration, reclamation and rehabilitation of the lands affected by the mining operations and shall complete this work before the conclusion of such operations and the abandonment of the mine. This activity shall be taken up under the guidance of Appropriate Regulatory Authority, by the proponent, to ensure that environment is protected.	The quarrying activity is yet to be commenced and this condition will be complied with.
vi.	The proponent will be squarely responsible for proper implementation of solid waste management plan, prevention of air pollution, water pollution, and any other kind of pollution/health hazard.	Noted the condition and will be complied with.
PART-C GENERAL CONDITIONS		
i.	This order is valid a period of 19.75 years or the expiry date of mine lease or land lease period issued by the Government of A.P., whichever is earlier.	Noted and agreed
ii.	While giving CFE/CFO, the APPCB is to kindly ensure compliance of guidelines issued in G.o RT No 239 dt 16.04.2020 and Memo. No/ covid-19/2020/HMFW dt 18.04.2020 issued by Medical, Health and Family welfare department, Government of AP and the Ministry of Home Affairs order No 40-3/2020/DM-DA dt 15.04.2020 scrupulously.	Noted the condition.
iii.	The proponent shall scrupulously follow any conditions stipulated by Revenue department/ Panchayat Raj/ Municipal administration/local self-government bodies (Gram panchayat/ Gram secretariat) in ensuring safety to human and animal life. The APPCB to ensure the same while according CFE/CFO. The APPCB to ensure the same while according CFE/CFO.	Noted the condition and will be complied with.
iv.	Proponent shall ensure that there is no disturbance to flora and fauna. Serenity of nature must be protected at any cost.	The quarrying activity is yet to be commenced and this condition will be complied with.
v.	In respect of government land for mining, the responsibility fixed on AD mines to check whether necessary clearances from revenue department are obtained.	The quarrying activity is yet to be commenced and this condition will be complied with.
vi.	In case of patta land while granting mine lease ADMG should verify the land lease documents.	The quarrying activity is yet to be commenced and this condition will be complied with.

vii.	In respect of forest land given in lease for mining, the proponent shall scrupulously adhere to the mining conditions stipulated by the forest department, Government of Andhra Pradesh.	The quarrying activity is yet to be commenced and this condition will be complied with.
viii.	Any change in mining plan/ production/ mining methodology the proponent shall apply a fresh EC	The quarrying activity is yet to be Commenced and this condition will be complied with.
ix.	While taking up mining activity the proponent shall meticulously follow approved mining plan/Form-1/EMP.	The quarrying activity is yet to be commenced and this condition will be complied with.
x.	Once in a year proponent shall conduct impact analysis on environment by reputed institute recognized by Director General, Mines and Safety.	The quarrying activity is yet to be commenced and this condition will be complied with.
xi.	"Consent for Establishment" & "Consent for Operation" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act and effectively comply with all the conditions stipulated thereof.	Complied. - Obtained CFE on 12.11.2021 - CFO on 26.02.2024 valid up to 31.10.2028.
xii.	No change in mining technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, AP/ MoE&F, GoI, New Delhi, as applicable.	The quarrying activity is yet to be commenced and this condition will be complied with.
xiii.	Personnel working in dusty areas shall be provided by the proponent with protective respiratory devices and they	The quarrying activity is yet to be commenced and this condition will be complied with
	should wear, and they should also be provided with adequate training and information on safety and health aspects. Prior instructions and guidance of Regulatory authority shall be taken for this activity.	
xiv.	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	The quarrying activity is yet to be commenced and this condition will be complied with
xv.	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Prior instructions and guidance of Regulatory authority shall be taken for this activity.	Operating an OHC for giving medical assistance to the employees. It will be done, once activity is started .

xvi.	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization	Complied.
xvii.	The funds earmarked for environmental protection measures (Capital cost Rs.8.4 Lakhs and Recurring cost Rs.5.25 Lakhs/annum) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Chennai.	The quarrying activity is yet to be commenced, and this condition will be complied with
xviii.	At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF&CC's office Memorandum No.F.No.22-65/2017- IA.III, dated.01.05.2018 and submit to the SEIAA, A.P and Ministry's Regional Office, Chennai.	Noted the condition and will be complied with.
xix.	Officials from the Regional Office of MOEF&CC, Chennai / The SEIAA, Andhra Pradesh through the Andhra Pradesh Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MOEF&CC, Chennai.	Noted and agreed.

xx.	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment & Forests, its Regional Office, Chennai, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions including results of monitored data on their websites and shall update the same periodically.	Noted the condition and will be complied with.

xxi.	Post Environment Clearance Monitoring: It shall be mandatory for the project manager to submit half yearly compliance reports in respect of the stipulated prior EC terms and conditions in hard and soft copy to SEIAA on 1st June and 1St December of each calendar year. (Refer 10(i) and 10(ii) of S.O. 1533 (E) of Ministry of Environment and Forests Notification, New Delhi, dt 14th September, 2006.)	Noted the condition and will be complied with.
xxii	The APPCB shall monitor the EC conditions stipulated by SEIAA as per GO MS No 120 dated 01.11.2018 of EFS&T Dept., and ensure the compliance.	Noted.
xxiii.	The proponent shall obtain prior permissions and continued guidance from regulatory authorities for all the above conditions wherever it is required.	Noted the condition and will be complied with.
xxiv.	All safety norms as stipulated in various laws and statutes shall be scrupulously followed by the proponent. PCB shall ensure compliance to the conditions stipulated by SEIAA.	Noted the condition and will be complied with.
xxv.	The Proponent shall follow G.O. Ms 107 dated 30.07.2016 of Industries &Commerce (Mines-II) Department wherever applicable.	Noted
xxvi.	Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity /construction work at site.	Complied. - Obtained CFE on 12.11.2021 - CFO on 26.02.2024 valid up to 31.10.2028.
xxvii.	The project proponent shall submit the copies of the environmental clearance to the heads of local bodies, panchayats and municipal bodies in addition to the relevant offices of the government who	Submitted the copies of the environmental clearance to the heads of local bodies, panchayats and municipal bodies.

	in turn has to display the same for 30 days from the date of receipt.	
xxviii.	The environmental statement for each financial year ending 31st march in Form- V as mandated is to be submitted by the project proponent to the A.P. Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional office of the Ministry of Environment and Forests, Chennai by e-mail.	The quarrying activity is yet to be commenced and this condition will be complied with

xxix.	The project authorities should advertise at least in two local newspapers widely circulated one of which shall be in the vernacular language of the locality concerned within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of clearance letter is available with the State Pollution control Board and SEIAA A.P.	Complied. Advertised in English & Telugu News Papers on 31.07.2021. The same attached as **Annexure-3**
xx.	The proponent shall obtain all other mandatory clearances from respective departments before taking-up the mining activity.	Being complied.
xxxi.	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
xxxii.	Concealing the factual data or submission of false fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
xxxiii.	The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted
xxxiv.	SEIAA also reserves the right to cancel the EC issued at any time, if EC has been obtained by the proponent through suppression of any information or furnishing false information.	Noted

xxxv.	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the public Liability Insurance Act, 1991 along with their amendments and rules. 1974, the Air (Prevention & Control of Act, 1981, the Environment (Protection) Act, 196 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted

CFE Order No. 8375/APPCB/ZO-VSP/VSP/CFE/2021, Date: 12.11.2021

SCHEDULE – B

<table>
<tr><th>Sl. No.</th><th>Condition</th><th>Compliance</th></tr>
<tr><td></td><td>SPECIAL CONDITIONS:</td><td></td></tr>
<tr><td>1.</td><td>The mining unit shall comply with the conditions stipulated in EC order dt.29.07.2021 and shall carryout the mining operations as per the approved mining plan without causing pollution problems to surrounding Environment.</td><td>Noted and will be complied with the condition.</td></tr>
<tr><td>2.</td><td>The mining unit shall adopt suitable mining methods as per approved mining plan & DMG approval.</td><td>Complied with the condition and the same is being adopted.</td></tr>
<tr><td>3.</td><td>Suitable blasting method shall be adopted to control dust emissions as per DMG approved mining plan.</td><td>Complied with the condition and the same is being adopted.</td></tr>
<tr><td>4.</td><td>The regulations for danger zone (500m) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimize the impact on Environment.</td><td>Necessary safety measures will be taken to minimize the impact on Environment as prescribed by Directorate General of Mines Safety.</td></tr>
<tr><td>5.</td><td>Garland drain and siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment.</td><td>Complied.
Photographs attached as ANNEXURE-1</td></tr>
<tr><td>6.</td><td>The proponent shall construct retention wall around the dump and also construct garland drain to arrest mined particles being carried away as run off during rainy season around the dump yard.</td><td>Complied.
Photographs attached as ANNEXURE-1</td></tr>
<tr><td>7.</td><td>The mining unit shall develop at least 10m width greenbelt along the South-East & South-West boundary towards Bay of Bengal before applying for CFO of the Board.</td><td>Thick Greenbelt developed all around the proposed quarry location. Photographs attached.</td></tr>
<tr><td></td><td>WATER:</td><td></td></tr>
<tr><td>8.</td><td>The source of water is bore well and the maximum permitted water consumption shall not exceed the following quantities.
<table>
<tr><th>S. No.</th><th>Purpose</th><th>Quantity</th></tr>
<tr><td>1.</td><td>Water sprinkling on haul roads</td><td>1.5 KLD</td></tr>
</table>
</td><td>There is no ground water withdrawal within the Port premises and implementing Zero Liquid Discharge.

The quarrying activity is yet to be commenced, and this condition will be</td></tr>
</table>

	<table><tr><td>2.</td><td>Greenbelt development</td><td>1.5 KLD</td></tr><tr><td>3.</td><td>Domestic</td><td>1.0 KLD</td></tr><tr><td></td><td>Total</td><td>4.0 KLD</td></tr></table> The maximum waste water generation (KLD) shall not exceed the following: <table><tr><th>S. No.</th><th>Purpose</th><th>Quantity</th></tr><tr><td>1.</td><td>Domestic</td><td>0.3 KLD</td></tr><tr><td></td><td>Total</td><td>0.3 KLD</td></tr></table> <table><tr><th>S. No.</th><th>Wastewater generation</th><th>Mode of disposal</th></tr><tr><td>1.</td><td>Domestic: 0.3 Kilo Liters/Day</td><td>Septic tank followed by soak pit.</td></tr></table>	complied with.
	AIR:	
9.	The mining activity shall not exceed the following Ambient Air Quality standards measured at the periphery of activity – SO_2 – 80 µg/m3, NOx – 80 µg/m3, PM2.5 – 60 µg/m3, PM10 – 100µg/m3, ***Noise levels:*** Day time (6 AM to 10 PM) - 75 dB (A), Night time (10 PM to 6 AM) - 70 dB (A).	The quarrying activity is yet to be commenced and this condition will be complied with.
10.	The proponent shall provide dust suppression measures like water spraying arrangements on haul roads, loading & unloading areas and material handing areas.	A dedicated tanker shall be deployed for dust suppression on haul roads, loading & unloading areas and material handing areas.
11.	The air pollution control equipment like water sprinklers shall be installed along with the commissioning of the activity.	This condition will be complied with.
12.	The proponent shall establish one AAQ monitoring station at the periphery of the mine area in the wind prone direction and submit the analysis reports to Regional Office, APPCB, Visakhapatnam regularly.	This condition will be complied with.
13.	The mining activity shall take measures to comply with the provisions laid down under Noise pollution (Regulation and Control) Amendment Rules, 2010 dt.11.01.2010 issued by MoE&F, GoI to control the noise to the prescribed levels.	The quarrying activity is yet to be commenced and this condition will be complied with.

14.	The mining activity shall take appropriate measures to ensure that the ground level concentrations shall comply with revised National Ambient Quality Norms notified by MoE&F, GoI on 18.11.2009.	The quarrying activity is yet to be commenced and this condition will be complied with.
	***GENERAL CONDITIONS*:**	
15.	The proponent shall ensure compliance of guidelines issued in G.O. Rt.No.239, dt.16.04.2020 and Memo No. covid-19/2020/HMFW, dt.18.04.2020 issued by Medical, health and Family welfare department, Government of AP and the Ministry of Home Affairs order No.40-3/2020/DM-DA, dt.15.04.2020 scrupulously.	Operating an OHC for giving medical assistance to the employees.
16.	The proponent shall scrupulously follow any conditions stipulated by Revenue department/Panchayat Raj/Municipal administration/Local self-government bodies (Gram Panchayat/Gram secretariat) in ensuring safety to human and animal life.	This condition will be complied with.
17.	The mining shall be carried out as per the approved mine plan.	This condition will be complied with and the approved Mining Plan will be adopted.
18.	The proponent shall store the mine rejects and overburden within the earmarked mine lease area as per the approved mine plan.	This condition will be complied with.
19.	The proponent shall adopt fugitive dust control measures such as water sprinkling near loading areas, on haul roads etc.	The quarrying activity is yet to be commenced and this condition will be complied with.
20.	The proponent shall utilize the top soil for green belt development.	Noted and This condition will be complied with based on the Composition of the material.
21.	The proponent shall control the Noise levels to acceptable limits (*CPCB standards*) during excavation in the mining area.	The quarrying activity is yet to be commenced and this condition will be complied with.
22.	The proponent shall maintain a setback distance of 7.5 mts buffer zone all around the mine lease area and develop greenbelt with tall growing trees. Greenbelt	Greenbelt developed all around the proposed quarry location. **Photographs attached.**

	development shall be started along with the construction activity.	
23.	The avenue plantation with all plants of at least 1.5 m height for 1 km length of the approach road on either side of the road is to be developed and marinated entire greenbelt should be developed in the first itself.	Greenbelt developed all around the proposed quarry location. **Photographs attached as Annaexure-4**
24.	The fugitive emissions from all sources shall be controlled regularly.	The quarrying activity is yet to be commenced and this condition will be Complied with.
25.	The proponent shall take necessary measures for control of air pollution which would be generated during excavation and transportation of the mined material as committed in the EMP / approved mine plan.	The quarrying activity is yet to be commenced and this condition will be complied with.
26.	The proponent shall not operate the mine without obtaining CFO of the Board.	➢ Obtained CFO of APPCB vide order dated 26.02.2024 valid up to 31.10.2028 and applied for renewal. ➢ The quarrying activity is yet to be Commenced.
27.	The proponent shall ensure that there shall not be any change in the process technology, source & composition of raw materials and scope of working without prior approval from the Board.	The quarrying activity is yet to be commenced and this condition will be complied with.
28.	Concealing the factual data or submission of false information / fabricated data and failure to comply with any of the conditions mentioned in this order may result in withdrawal of this order and attract action under the provisions of relevant pollution control Acts.	Well Noted the condition.
29.	The order is issued without prejudice to the rights and contentions of this Board in any court of law.	Well Noted the condition.
30.	The Board reserves its right to modify above conditions or stipulate any additional conditions including revocation of this order in the interest of environment protection.	Well Noted the condition.

Compliance on Schedule – B Conditions of APPCB Consent Order for Operation No. 8375/APPCB/ZO-VSP/ VSP/ CTO/2024, dated 26.02.2024

<table>
<tr><th>Sl. No.</th><th>Condition</th><th>Compliance</th></tr>
<tr><td></td><td>SPECIAL CONDITIONS:</td><td></td></tr>
<tr><td>1</td><td>The proposed mine shall comply with the following minimum distance criteria with respect to habitation, as per NGT order dt.21.07.2020 in O.A No. 304 of 2019 and the Board Circular dt.17.08.2020:
<table>
<tr><td></td><td>Mining type</td><td>Minimum</td><td>Locations</td></tr>
<tr><td>A.</td><td>When blasting is not involved</td><td>100 m</td><td rowspan="2">Residential / public buildings, inhabited sites, locations to be considered by States</td></tr>
<tr><td>B.</td><td>When blasting is involved</td><td>200 m**</td></tr>
<tr><td colspan="4">** Note: The regulations for danger zone (500m) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimize the impact on Environment.</td></tr>
</table></td><td>Noted.</td></tr>
<tr><td>2</td><td>The proponent shall carryout mining activity in the respective boundaries only mentioned in EC Order dated 29.07.2021 and in CFE order dated 12.11.2021.</td><td>Noted.
The quarrying activity is yet to commence & this condition will be complied with.</td></tr>
<tr><td>3</td><td>The mining unit shall adopt suitable mining methods as per approved mining plan & DMG approval.</td><td>The quarrying activity is yet to be Commenced & this condition will be complied with.</td></tr>
<tr><td>4</td><td>Suitable blasting methods shall be adopted to control dust emissions as per approved mining plan.</td><td>The quarrying activity is yet to Commence & this condition will be complied with.</td></tr>
<tr><td>5</td><td>The mine shall comply with orders/directions of Hon’ble NGT issued from time to time and the Circulars / Notifications issued by MoEF & CC / CPCB / APPCB.</td><td>Noted the condition and will be complied with.</td></tr>
<tr><td></td><td>WATER:</td><td></td></tr>
<tr><td>6</td><td>The source of water being bore well. The following is the permitted water consumption:
<table>
<tr><th>S.L</th><th>Purpose</th><th>Quantity</th></tr>
</table></td><td>The source of water is through tankers.

The quarrying activity is yet to</td></tr>
</table>

	<table><tr><td>1</td><td>Water sprinkling on haul roads</td><td>1.5 KLD</td></tr><tr><td>2</td><td>Greenbelt development</td><td>1.5 KLD</td></tr><tr><td>3</td><td>Domestic</td><td>1.1 KLD</td></tr><tr><td></td><td>Total</td><td>4.0 KLD</td></tr></table> Separate meters with necessary pipe- line shall be maintained for assessing thequantity of water used for each of the purposes mentioned above	Commence & this condition will be complied with.
	Air	
7	The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification GSR 826 (E), dt.16.11.2009 at the boundary of the premises during regular operation.	Noted.
8	The proponent shall take measures to comply with the provisions laid down under Noise pollution (*Regulation and Control*) Amendment Rules, 2010 dated 11.01.2010 issued by MoE&F, GoI to control the noise to the prescribed levels.	The quarrying activity is yet to commence and this condition will be complied with.
	GENERAL CONDITIONS:	
9	The mining unit shall maintain the following measures to control erosion of dumps: ➢ Retention/toe walls at the foot of the dumps. ➢ Worked out slopes stabilized by planting appropriate shrub / grass species on the slopes.	Complied. ➢ **Photographs attached**
10	The mining unit shall maintain garland drain and siltation ponds of appropriate size for the working pit and around the dump yard to arrest the flow of silt and sediments. The water so collected shall be utilized for watering the mine area, roads, green belt development, etc.,	Complied. **Photographs attached as ANNEXURE-1**
11	The mining unit shall ensure compliance of guidelines issued in G.O. Rt.No.239, dt.16.04.2020 and Memo No. Covid-19/2020/HMFW, dt.18.04.2020 issued by Medical, health and Family welfare department, Government of AP and	Noted the condition and will be Complied with.

	the Ministry of Home Affairs order No. 40-3/2020/DM-DA, dt.15.04.2020 scrupulously.	
12	The mining unit shall scrupulously follow any conditions stipulated by Revenue department/Panchayat Raj/Municipal administration/Local self-government bodies (Gram Panchayat/Gram secretariat) in ensuring safety to human and animal life.	Noted the condition and will be complied with.
13	The mining unit shall implement the following measures to reduce the air pollution during the transportation of the mineral. ➢ Road shall be graded to mitigate the dust emissions. ➢ Overfilling of tippers and consequent spillage on the roads shall be avoided. The trucks shall be covered with tarpaulin. ➢ Water shall be sprinkled at regular interval on the main haul road and other service roads to suppress the dust.	Noted the condition and will be complied with.
14	The mining unit shall implement the following measures to reduce the noise pollution. • The proper and regular maintenance of the vehicles and other equipment. • Limiting time exposure of workers to the excessive noise. Worker employed shall be provided with protection equipment and ear muffs. • Speed of the trucks entering or leaving the mine is to be limited to the moderate speed of 25KMPH to prevent undue noise from empty trucks.	Noted the condition and will be complied with.
15	The mining unit shall maintain the following records and the same shall be made available to the inspecting officers of the Board: a. Daily production details.	The quarrying activity is yet to commence and this condition will be complied with.

	b. Log Books for pollution control systems. c. Solid waste generated and disposed. d. Inspection book.	
16	The Mining unit shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the Board.	The quarrying activity is yet to commence and this condition will be complied with.
17	The Mining Unit shall scrupulously comply with conditions stipulated by the SEIAA, MoEF&CC, in the Environmental Clearance order dated: **29.07.2021.**	Noted.
18	The Mining unit shall not cause ground water pollution in and around the Mining unitpremises.	There is no ground water Withdrawal & discharge within the Port premises.
19	All the waste material should be accommodated within the Mining Lease Area.	Noted for compliance.
20	All mining products and rejects, irrespective of size and quality, should be hauled within the mine lease area.	Noted for compliance.
21	Dumping of overburden, if done, should use the retreating pyramid bench formation with concurrent, physical and biological reclamation. Dumps should be contoured and provided with relief control and stabilized. Dump tops should be compacted, leveled and be properly drained. The overburden shall not be disposed outside the mine lease area under any circumstances.	The quarrying activity is yet to commence and this condition will be complied with.
22	The mining unit shall collect solid waste i.e., overburden (*top soil and rock waste*) properly. The topsoil shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose. The rock waste shall be dumped in the dump yard earmarked within the quarry lease area and the mining unit shall not dump the overburden soil outside the quarry lease area, under any circumstances.	The quarrying activity is yet to commence and this condition will be complied with.

23	Suitable tree species should be planted on either side of the haul roads.	Thick Greenbelt developed all around the proposed quarry location. **Photographs attached.**
24	Drills should be water-jacketed. Local exhaust ventilation systems should be installed atdust generation points and the dust is led to a dust collection system.	The quarrying activity is yet to commence and this condition will be complied with.
25	The mining unit shall provide water sprinklers for wetting the roads and at dust generating sources to control fugitive dust emissions.	A dedicated tanker shall be deployed for dust suppression on haul roads, loading & unloading areas and material handing areas.
26	Greenbelt shall be developed at possible areas around the boundary.	Thick Greenbelt developed all around the proposed quarry location. **Photographs attached.**
27	The mine rejects shall be disposed scientifically in the earmarked area as per the mining plan.	The quarrying activity is yet to commence and this condition will be complied with.
28	Fugitive emissions from all the sources shall be controlled regularly.	A dedicated tanker shall be deployed for dust suppression on haul roads, loading & unloading areas and material handing areas.
29	Mining shall be carried out as per approved Mining plan.	Noted for compliance.
30	The Mining unit shall submit a compliance report on CFO conditions for every 6 monthsas on 01st January and 01st July of every year at Regional Office and Zonal Office.	Being complied.

Compliance for Environmental Clearance
Order No: SEIAA/AP/MIN/EC/VS/04/2025/1340/269.45&269.21, Date: 02.09.2025

PART-A SPECIAL CONDITIONS		
S.NO	**CONDITION**	**COMPLIANCE**
i.	The proposal shall not attract the following Acts & Rules: a. Forest Act 1980, b. Wild life (Protection) Act,1972; c. CRZ Notification, 2011; d. The Eco sensitive areas as notified under Environment (Protection) Act,1986; e. Critically polluted areas as notified by CPCB and also shall not harm live stocks and human beings and disturb their activities.	The quarrying activity is yet to be commenced and this condition will be complied with.
ii.	The total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan.	Production will be as scheme/plan per mining only.
Iii	The project proponent shall locate Rs.4.18 Lakhs as capital cost and Rs. 4.97 Lakhs As a recurring cost Budget for the EMP. The proponent volunteered to provide 2 Lakhs as a part of Corporate Social Responsibility (CSR) activity and shall Maintain till the life of the mine.	The quarrying activity is yet to be commenced and this condition will be complied with.
Iv	The project proponent shall comply with the proposals furnished in the Environmental management plan.	Complied with the condition
V	The project proponent Shall develop greenbelt along approach roads & village roads.	Complied with the condition.
vi	The project proponent shall maintain the 7.5 mt greenbelt in buffer zone and existing buffer zone plantation should not be disturbed.	Complied with the condition.
vii.	The proponent shall take dust suppuration measures to meet the CPCB stipulated ambient air quality standards at any point of time.	The quarrying activity is yet to be commenced and this condition will be complied with.
Viii	The proponent shall carry out suppression of dust generated due to transport vehicles by continuous water spraying using tankers.	The quarrying activity is yet to be commenced and this condition will be complied with.
Ix	The vehicle carrying the mines material shall be covered with tarpaulin during vehicle movement.	The quarrying activity is yet to be commenced and this condition will be complied with.

X	The project proponent shall not use village roads/canal bund roads for material transportation purpose.	The quarrying activity is yet to be commenced and this condition will be complied with.
Xi	The project proponent shall restrict vehicle movement during the peak hours to avoid accidents.	The quarrying activity is yet to be commenced and this condition will be complied with.
Xii	The project proponent shall restrict the load of the transport vehicles not more than 21 tons to avoid road damages and dust nuisance to surroundings.	The quarrying activity is yet to be commenced and this condition will be complied with.
Xiii	The proponent shall regularly upload the Half-yearly compliance report.	Submitted.
xiv	The PP shall complete the entire greenbelt with in the first year it self and ensure its maintenance through out the lease period.	Being Complied
Xv	The project proponent shall follow the order of National Green Tribunal passed in O.A.No.304/2019.	Being Complied
xvi	The project proponent shall maintain the setback distanance 7.5meters buffer zone all around the mine lease area for greenbelt development and other conditions are to be fulfilled.	Being Complied
xvii.	The avenue plantation with tall plants of at least1.5m height for 1 km length of the approach road on either side of the road is to be developed and maintained. Entire greenbelt should be developed in the first year itself.	Complied with the condition. **Photographs attached as ANNEXURE-4**
xviii.	The proponent is advised to ensure safety to animal and public life.	Noted the condition and will be complied with.
PART-B SPECIAL CONDITIONS		
1. Air Pollution:-		
i.	**a)** Suitable drilling & cutting method shall be adopted to control dust emissions, as pre-approved mining plan.	Noted & Complied with the condition.
	b) The proponent shall comply with mining the in methodology mentioned approved mining plan and Form-I.	Noted & Complied with the condition.

ii.	Greenbelt shall be developed along the boundary of mining lease area and also in backfilled and reclaimed areas with tall growing native species in consultation with the local DFO/ Agriculture Department. The proponent of mine shall carry mining operations in such a manner so as to cause least damage to the flora of the mining area and nearby areas. He shall take immediate measures for planting in the same area or any other area selected by authorities not less than	A thick Greenbelt developed all around the proposed quarry location. **Photographs attached.**
	twice the number of trees going to be felled by mining operations. He shall also take measures for restoration of other flora /fauna if damaged by mining operations. In case any felling or damage to fauna and flora is involved, prior permission shall be taken from the concerned regulatory authority, by the proponent, without which mining shall not be taken up.	
iii.	Effective safe guard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Prior concurrence of regulatory Authority must be obtained by the proponent	The quarrying activity is yet to be commenced and this condition will be complied with.
iv.	The proponent of mine shall carry air quality monitoring in the core zone as well as buffer zone for RSPM and Noise levels. Location of monitoring stations should be decided based on the metrological data topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with Andhra Pradesh Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Chennai and the Andhra Pradesh Pollution Control Board/Central Pollution Control Board once in six months. Prior concurrence of regulatory Authority must be obtained by the proponent.	The quarrying activity is yet to be commenced and this condition will be complied with.

v.	The proponent shall construct graded roads connecting the mining area to the nearby roads to avoid dust nuisance due to vehicular movements. Prior concurrence of regulatory Authority must be obtained by the proponent.	Complied. **Photographs attached**.
vi.	The proponent shall take precautions against noise arising out of mining operations and shall be abated or controlled at the source so as to keep it within the permissible limits notified under Environmental (Protection Act 1986/Noise Pollution (Regulations & Control) Rules, 2010 by implementing the	The quarrying activity is yet to be commenced and this condition will be complied with.

	following noise control measures. o Proper and regular maintenance of vehicles and other equipment. o The proponent shall ensure that there shall be no excessive noise, while taking-up mining activity. o The workers employed shall be provided with protection equipment and earmuffs etc. o Speed of trucks entering or leaving the mine is to be limited to moderate speedof 25 kmph to prevent undue noise from empty trucks.	
vii.	Whenever any damage to public buildings or monuments is apprehended due to their proximity to the mining lease area, scientific investigations shall be carried out by the holder of mining lease so as to keep the ground vibrations caused by blasting operations within safe limit. In such cases, Prior concurrence of concerned Regulatory Authority must be obtained by the proponent, without which, mining shall not be taken up.	➢ The rough stone quarry exists within the Port boundary. ➢ No public buildings or monuments exists in the nearby vicinity.
viii.	The proponent shall not take up mining activity unless he obtains the safety clearance certificate from the Govt. competent authority.	The quarrying activity is yet to be commenced and this condition will be complied with.
	2) Water Pollution:-	
i.	As per records the source of water is from village ponds. Total water requirement is 4.0 KLD 1.5 KLD is used for water sprinkling on haul roads: 1.5 KLD is used for development of green belt: 1.0 KLD is used for domestic purpose.	There is no ground water withdrawal & discharge within the Port premises and implementing Zero Liquid Discharge. The quarrying activity is yet to be commenced and this condition will be complied with.

ii.	Garland drain and Siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly de-silted, particularly after monsoon, and maintained properly. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.	Complied. **Photographs attached as ANNEXURE-1**
iii.	The proponent of the mine shall take all possible precautions to prevent or reduce the discharge of toxic and objectionable liquid effluents from mine, workshop, tailing ponds into surface bodies, ground water aquifier and useable lands to a minimum. The effluents shall be suitably	Complied with the condition and the same is being adopted.

	treated, if required, to conform to the general standards notified under Environmental (Protection) Act, 1986. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.	
iv.	Monitoring of ground water level and quality should be carried out quarterly by the project proponent in and around the project area in consultation with State Ground Water Department/Central Ground Water Authority and data thus collected shall be submitted regularly to the MoE&F and its Regional Office Chennai, CGWA, and the Regional Director, Central Ground Water Board, Hyderabad. If at any stage, it is observed that the ground water table is getting depleted due to the mining activity, necessary correction measures shall be carried out in consultation with concerned Regulatory Authority	There is no ground water withdrawal & discharge within the Port premises and implementing Zero Liquid Discharge.
v.	Suitable conservation measures to augment groundwater resources in the area shall be planned, and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting in consultation with concerned Regional Authority.	There is no ground water withdrawal & discharge within the Port premises and implementing Zero Liquid Discharge.
vi.	Permission from the competent authority should be obtained for drawl of ground water if any required for this project.	There is no ground water withdrawal & discharge within the Port premises and implementing Zero Liquid Discharge.
	3) Solid Waste:	

i.	**Topsoil:** Wherever top soil exists and is to be excavated for mining operations, remove it separately and the top soil so removed shall be utilized for restoration or rehabilitation of the land, which is no longer required for mine operations or for stabilizing or landscaping the external dumps. Whenever the top soil cannot be utilized concurrently, it shall be stored separately for future use. Prior concurrence of Regulatory Authority must be taken for this activity.	The quarrying activity is yet to be commenced and this condition will be complied with.
ii.	**Overburden:** The proponent of mine shall take steps so that the overburden, waste rock, rejects and fines generated during mining operations shall be stored in separate dumps preferably on impervious grounds. The waste rock, overburden etc. shall be backfilled into the mine excavations so as to restore the land to its original use as far as possible. In the case of non-feasibility of back filling, the waste dump shall be suitably terraced and stabilizes through the vegetation. The proponent shall maintain proper angle of repose to ensure stability to the dump. Prior concurrence of Regulatory Authority must be taken for this activity.	The quarrying activity is yet to be commenced and this condition will be complied with.
iii.	The proponent of the mine shall construct required number of retaining walls to provide stability to the dumps. Dimensions of the retaining walls shall be based on the rainfall data. Prior concurrence of Regulatory Authority must be taken for this activity.	Complied. **Photographs attached as ANNEXURE-2**
iv.	The proponent of mines shall construct required number of garland drains to arrest mineral particles being carried away as runoff during rainy seasons around the dump yards. Dimensions of the garland rains shall be based on rainfall data. Prior concurrence of Regulatory Authority must be taken for this activity.	Complied. **Photographs attached as ANNEXURE-1**

v.	The proponent of the mine shall undertake phased restoration, reclamation and rehabilitation of the lands affected by the mining operations and shall complete this work before the conclusion of such operations and the abandonment of the mine. This activity shall be taken up under the guidance of Appropriate Regulatory Authority, by the proponent, to ensure that environment is protected.	The quarrying activity is yet to be commenced and this condition will be complied with.
vi.	The proponent will be squarely responsible for proper implementation of solid waste management plan, prevention of air pollution, water pollution, and any other kind of pollution/health hazard.	Noted the condition will be complied
PART-C GENERAL CONDITIONS		
i.	This order is valid a period of 3 years or the expiry date of mine lease or land lease period issued by the Government of A.P., whichever is earlier.	Noted and agreed
ii.	While giving CFE/CFO, the APPCB is to kindly ensure compliance of guidelines issued in G.o RT No 239 dt 16.04.2020 and Memo. No/ covid-19/2020/HMFW dt 18.04.2020 issued by Medical, Health and Family welfare department, Government of AP and the Ministry of Home Affairs order No 40-3/2020/DM-DA dt 15.04.2020 scrupulously.	Noted the condition.

iii.	The proponent shall scrupulously follow any conditions stipulated by Revenue department/ Panchayat Raj/ Municipal administration/local self-government bodies (Gram panchayat/ Gram secretariat) in ensuring safety to human and animal life. The APPCB to ensure the same while according CFE/CFO. The APPCB to ensure the same while according CFE/CFO.	Noted the condition and will be complied with.
iv.	Proponent shall ensure that there is no disturbance to flora and fauna. Serenity of nature must be protected at any cost.	The quarrying activity is yet to be commenced and this condition will be complied with.
v.	In respect of government land for mining, the responsibility fixed on AD mines to check whether necessary clearances from revenue department are obtained.	The quarrying activity is yet to be commenced and this condition will be complied with.
vi.	In case of patta land while granting mine lease ADMG should verify the land lease documents.	The quarrying activity is yet to be commenced and this condition will be complied with.

vii.	In respect of forest land given in lease for mining, the proponent shall scrupulously adhere to the mining conditions stipulated by the forest department, Government of Andhra Pradesh.	The quarrying activity is yet to be commenced and this condition will be complied with.
viii.	Any change in mining plan/ production/ mining methodology the proponent shall apply a fresh EC	The quarrying activity is yet to be Commenced and this condition will be complied with.
ix.	While taking up mining activity the proponent shall meticulously follow approved mining plan/Form-1/EMP.	The quarrying activity is yet to be commenced and this condition will be complied with.
x.	Once in a year proponent shall conduct impact analysis on environment by reputed institute recognized by Director General, Mines and Safety.	The quarrying activity is yet to be commenced, and this condition will be complied with.
xi.	"Consent for Establishment" & "Consent for Operation" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act and effectively comply with all the conditions stipulated thereof.	Complied. - Obtained CFE on 12.11.2021 - CFO on 26.02.2024 valid up to 31.10.2028.
xii.	No change in mining technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, AP/ MoE&F, GoI, New Delhi, as applicable.	The quarrying activity is yet to be commenced, and this condition will be complied with.
xiii.	Personnel working in dusty areas shall be provided by the proponent with protective respiratory devices and they	The quarrying activity is yet to be commenced and this condition will be complied with

	should wear, and they should also be provided with adequate training and information on safety and health aspects. Prior instructions and guidance of Regulatory authority shall be taken for this activity.	
xiv.	The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.	The quarrying activity is yet to be commenced, and this condition will be complied with
xv.	Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Prior instructions and guidance of Regulatory authority shall be taken for this activity.	Operating an OHC for giving medical assistance to the employees.

xvi.	A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization	Complied.
xvii.	The funds earmarked for environmental protection measures (Capital cost Rs.4.18 Lakhs and Recurring cost Rs.4.97 Lakhs/annum) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Sub- Office located at Vijayawada	The quarrying activity is yet to be commenced, and this condition will be complied with
xviii.	At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF&CC's office Memorandum No.F.No.22-65/2017-IA.III,dated.01.05.2018andsubmittothe SEIAA, A.P and Ministry's Sub- Office, Vijayawada.	Noted the condition and will be complied with.
xix.	Officials from the Regional Office of MOEF&CC, Chennai / The SEIAA, Andhra Pradesh through the Andhra Pradesh Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MOEF&CC, Vijayawada.	Noted and agreed.

xx.	The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment & Forests, its Regional Office, Vijayawada, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board And also shall up load in the PARIVESH portal.	Noted the condition and will be complied with.

xxi.	Post Environment Clearance Monitoring: It shall be mandatory for the project manager to submit half yearly compliance reports in respect of the stipulated prior EC terms and conditions in hard and soft copy to SEIAA on 1st June and 1St December of each calendar year. (Refer 10(i) and 10(ii) of S.O. 1533 (E) of Ministry of Environment and Forests Notification, New Delhi, dt 14th September, 2006.)	Noted the condition and will be complied with.
xxii	The APPCB shall monitor the EC conditions stipulated by SEIAA as per GO MS No 120 dated 01.11.2018 of EFS&T Dept., and ensure the compliance.	Noted.
xxiii.	The proponent shall obtain prior permissions and continued guidance from regulatory authorities for all the above conditions wherever it is required.	Noted the condition and will be complied with.
xxiv.	All safety norms as stipulated in various laws and statutes shall be scrupulously followed by the proponent. PCB shall ensure compliance to the conditions stipulated by SEIAA.	Noted the condition and will be complied with.
xxv.	The Proponent shall follow G.O. Ms 107 dated 30.07.2016 of Industries &Commerce (Mines-II) Department wherever applicable.	Noted
xxvi.	Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity /construction work at site.	- Obtained EC on 29.07.2021 for 2.024HA. - Obtained CFE on 12.11.2021 - CFO on 26.02.2024 valid up to 31.10.2028. - Obtained Expansion EC for quarrying ------ HA vide order dated Quarry is yet to be commissioned, the condition will be complied with before commencing the operations.
xxvii.	The project proponent shall submit the copies of the environmental clearance to the heads of local bodies, panchayats and municipal bodies in addition to the relevant offices of the government who	Submitted the copies of the environmental clearance to the heads of local bodies, panchayats and municipal bodies.
	in turn has to display the same for 30 days from the date of receipt.	

xxviii.	The environmental statement for each financial year ending 31st march in Form- V as mandated is to be submitted by the project proponent to the A.P. Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional office of the Ministry of Environment and Forests, Chennai by e-mail.	The Quarrying activities have not yet commenced. This condition will be fully complied with prior to the start of operations.
xxix.	The project authorities should advertise at least in two local newspapers widely circulated one of which shall be in the vernacular language of the locality concerned within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of clearance letter is available with the State Pollution control Board and SEIAA A.P.	Complied. Advertised in English & Telugu News Papers on 31.07.2021. Attached as **Annexure-3**
xxx.	The proponent shall obtain all other mandatory clearances from respective departments before taking-up the mining activity.	Being complied.
xxxi.	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
xxxii.	Concealing the factual data or submission of false fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted
xxxiii.	The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Noted
xxxiv.	SEIAA also reserves the right to cancel the EC issued at any time, if EC has been obtained by the proponent through suppression of any information or furnishing false information.	Noted

xxxv.	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the public Liability Insurance Act, 1991 along with their amendments and rules. 1974, the Air (Prevention & Control of Act, 1981, the Environment (Protection) Act, 196 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted

Additional conditions:

I – Statutory Compliance

1.	The Environmental clearance shall be subject to orders of the Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project.	Noted.
2.	The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.	Quarry activity is yet to be commenced.
3.	The project proponent shall obtain the necessary permission from the Central Ground Water Authority.	No groundwater withdrawal is involved.
4.	Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.	Manage solid/hazardous waste as per applicable rules to be complied before commencement of operations.
5.	Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.	Obtain power supply permissions to be complied before commencement of operations.
6.	The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.	Quarry activity is yet to be commenced
II. Air Quality Monitoring and Mitigation Measures		
7.	Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, S02 and NOx. Location of the stations shall be decided based on the metrological data topographical features and environmentally and ecologically sensitive receptors in consultation with State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB.	Watch Tower-4 CAAQM stations near quarry area already installed and monitoring 24/7.
8.	Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centers.	Quarry activity is yet to be commenced
9.	Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.	Quarry activity is yet to be commenced
10.	Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and	Quarry activity is yet to be commenced

	analyzed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.	
III. Water Quality Monitoring & Mitigation Measures		
11.	The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.	Quarry activity is yet to be commenced
12.	The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J 20012/1/2006-IA.II (M) dated 27thMay, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.	Quarry activity is yet to be commenced
13.	Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.	Quarry activity is yet to be commenced
14.	Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.	Quarry activity is yet to be commenced
15.	Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.	No groundwater withdrawal is involved.
IV. Noise and Vibration Monitoring and Prevention		
16.	Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and	Quarry activity is yet to be commenced

	guidelines in this regard. Adequate awareness program for users to be conducted. Progress in usage of such accessories to be monitored.	
17.	The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.	To be complied before commencement of Operations
V. Mining Plan		
18.	Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.	Noted & complied with the condition
19.	No change in mining method i.e. UG to OC, calendar program and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).	Noted & complied with the condition
20.	Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by relevant mining laws and relevant circulars issued by Directorate General Mines Safety (DGMS).	Quarry activity is yet to be commenced and the same will be as per the approved mining plan only.
21.	No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.	Noted & complied with the condition.
22.	Efforts should be made to reduce and fuel consumption by conservation, efficiency improvements and use of renewable energy.	Noted & complied with the condition.
VI. Land Reclamation:		
23.	Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1 scale or as notified by Ministry of Environment, Forest and Climate Change (MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).	Noted & complied with the condition.
24.	A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.	Noted & complied with the condition.
25.	Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.	Noted & complied with the condition.
26.	Native tree species shall be selected and planted	Noted & complied with the condition.

	over areas affected by subsidence.	
VII. Public Hearing And Human Health Issues:		
27.	Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.	Noted & complied with the condition.
28.	The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from work force engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.	Noted & complied with the condition.
29.	Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.	Noted & complied with the condition.
30.	Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.	The employees will be provided with PPEs
31.	Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed. e-Payments	Noted & complied with the condition.
32.	If public hearing is conducted, implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.	The quarry is less than 5.0 Ha, thus no public hearing.
33.	The project proponent shall follow the mitigation measures provided in this Ministry's OMNo.Z-11013/5712014-IA.II (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.	Noted & complied with the condition to the possible extent.
34.	PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.	Noted & complied with the condition to the possible extent.
35.	PP is asked to also identify the rural areas for	Noted & complied with the condition to the

	installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan.	possible extent.
36.	PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius.	Noted & complied with the condition to the possible extent.
VIII. Corporate Environment Responsibility:		
37.	The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.	Noted & complied with the condition.
38.	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Noted & complied with the condition.
39.	Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Noted & complied with the condition.
40.	PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). Any non-compliance or infringement should be reported to the concerned authority.	Noted & complied with the condition.
IX. Miscellaneous:		
41.	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.	Noted & complied with the condition.
42.	The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.	Quarry is yet to be commissioned, the condition will be complied with before commencing the operations.
43.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Quarry is yet to be commissioned, the condition will be complied with before commencing the operations.

44.	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.	The quarry is less than 5.0 Ha, thus no public hearing.
45.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted and complied with the condition.
46.	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981 , the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.	Noted and complied with the condition.
47.	Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.	No R & R settlement is involved in this project.
48.	Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.	Noted and complied with the condition.
49.	The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPS must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.	Noted and complied with the condition.

List of Attachments

Attachment	Description
Annexure-1	Quarry are Garland Drains Photographs
Annexure-2	Quarry area retaining wall Photographs
Annexure-3	EC Published Paper photographs
Annexure-4	Quarry Area Greenbelt development photographs

Annexure-1

Quarry area Garland drain

Annexure-2

Quarry area Retaining Wall

Annexure-3

Order No. SEIAA/AP/MIN/EC/VS/04/2025/1340/269.45&269.21

NOTICE

It is to inform that **Adani Gangavaram Port Limited** has obtained Environmental Clearance Expansion from SEIAA, Andhra Pradesh Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India through order No. SEIAA/AP/MIN/FC/VS/04/2025/1340/269.454.269.1, Date: 02-09-2025 for Building Stone mining from 12,450 m^3/Annum to 1,88,226 m^3/Annum in a total area of 2.024 Ha at Sy. No. 274 (New Sy.No.307), Peda Gantyada Village, Peda Gantyada Mandal, Visakhapatnam District, Andhra Pradesh. The copy of Environmental Clearance Expansion is available in PARIVESH Portal, MoEF&CC, website : https://parivesh.nic.in/ and on website of Adani Ports and Special Economic Zone Ltd. at http://www.adaniport.com/Downloads.

Adani Gangavaram Port Limited

ప్రకటన

ఇందుమూలముగా తెలియజేయునది ఏమనగా అదాని గంగవరం పోర్టు లిమిటెడ్ సర్వే నెం. 274 (కొత్త సర్వే నెం.307)లో విస్తీర్ణం 2.024 హెక్టార్లలో పెదగంట్యాడ గ్రామం, పెదగంట్యాడ మండలం, విశాఖపట్నం జిల్లా, ఆంధ్రప్రదేశ్, పర్యావరణ అనుమతులు యొక్క ఆర్డర్ నెం. SEIAA/AP/MIN/FC/VS/04/2025/1340/269.454.269.1, తేదీ. 02.09.2025, బిల్డింగ్ స్టోన్ ను సంవత్సరానికి 12,450 నుండి సంవత్సరానికి 1,88,226 పెంచుకొనుట కొరకు SEIAA ఆంధ్రప్రదేశ్ నుండి పర్యావరణ అనుమతులు పొందియున్నారు. ఆ ప్రతులు పరివేష్ పోర్టల్, పర్యావరణ, అటవీ మరియు వాతావరణ మార్పుల మంత్రిత్వ శాఖ (MoEF&CC) వెబ్‌సైట్ నందు లభించును. https://parivesh.nic.in/ and on website of Adani Ports and Special Economic Zone Ltd. at http://www.adaniport.com/Downloads.

అదాని గంగవరం పోర్టు లిమిటెడ్

Order no:SEIAA/AP/VSP/MIN/08/2020/2060/158.105&153.124.516

NEWS ROLE ENGLISH DAILY

TS opposes AP's water drawal from PRP without board's consent

Demand for Sivankutty's ouster rejected

NOTICE

Management Gangavaram Port Ltd

Postal Regd No. ASK/0017/2015-2017

RNI No.APTEL/2000/10521

చైతన్య వారధి

CHAITANYA VAARADHI

Simultaneously Published from Visakhapatnam, Vizianagaram, Anantapur and Guntur

VISAKHAPATNAM

వక్ఫ్ భూముల పరిరక్షణకు పటిష్ట చర్యలు

ఏపీ ప్రభుత్వంపై మరోసారి మండిపడిన హైకోర్టు

Mining of rough stone-12450m³/annum in 2.024 Ha.

Annexure-4

Quarry area Green belt development

Annexure-5

State Level Environment Impact Assessment Authority (SEIAA)
Andhra Pradesh
Ministry of Environment, Forests & Climate Change
Government of India
D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamavari Street, Kasturibaipet, Vijayawada-520010.

REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/VSP/MIN/08/2020/2060/158.105&153.124 516 **Dt:29. 07.2021**

Sub: SEIAA, A.P. – 2.024 Ha Rough Stone of M/s. Gangavaram Port Limited, Sy No.274 (New Sy.No. 307), Pedagantyada (V&M), Visakhapatnam District, Andhra Pradesh- Environmental Clearance - Issued - Reg.

I. This has reference to your application submitted through online on 11.08.2020 (SIA/AP/MIN/147778/2020), seeking Environmental Clearance for the proposed mine of **2.024 Ha. Rough Stone Mine at No.274 (New Sy.No. 307), Pedagantyada (V&M), Visakhapatnam District, Andhra Pradesh** in favour of **M/s. Gangavaram Port Limited.** It was reported that the nearest human habitation viz., Pedagantyada (V) exists at a distance of about 4.75 km from the mine lease area. It was noted that the capital investment of the project is Rs.25.0 Lakhs and capacity of the project is as follows:

Mining of Rough Stone – 12450 m^3/annum in 2.024 Ha

II. As seen from the Mining plan approved by the competent Government Authority the following two aspects are noted.

i. The location of the mine is as follows:

Sl.No	Latitude	Longitude
1.	17°38'18.68817"N	83°14'16.94426"E
2.	17°38'17.69710"N	83°14'18.33243"E
3.	17°38'12.13051"N	83°14'13.48860"E
4.	17°38'14.60034"N	83°14'9.86290"E

ii. It is an open cast semi-mechanized mine. Life of Mine is 19.75 Years. The total mine lease area is 2.024 Ha.

This proposal has been referred to SEAC, A.P along with all the documents submitted by the proponent for their appraisal and for their specific recommendations on EC aspect. The proposal has been examined and processed in accordance with EIA Notification, 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application, in its meeting held on 6th to 8th APRIL, 2021. The Committee noted that this issue

was examined by the SEAC in its meeting held 04.11.2020. The Committee observed the following: The proposed project is for mining of Rough Stone in an area of 2.024 Ha with a proposed production quantity of Rough Stone – 12450 m^3/annum with a condition that the total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan. The project falls under B2 category as per the cluster letter issued by ADMG. The proponent and their RQP, Santosh Kumar have attended the online meeting. After detailed deliberations on the proposal, the committee recommended to defer the proposal for want of CRZ Map of the proposed site The committee recommended to defer the proposal for want of CRZ Map of the proposed site. The issue was examined by the SEIAA in its meeting held on 04.12.2020 and the Authority noted the recommendations of the SEAC. Now, the project proponent has submitted Information on CRZ Map of the proposed site on 01.04.2021. The proposed project falls under Item No. 1(a) of the schedule of the EIA Notification 2006 and its amendments thereof - (i). Mining of minerals (<100 ha of mining lease area in respect of non-coal mine lease). The project proponent and their RQP, Santosh Kumar have attended the meeting. The Committee after examining the project proposals, presentations, MoEF&CC Notifications & OMs and detailed deliberations, recommended **for issue of Environmental Clearance.** The committee in the appraisal report clearly stated that they have approved the approved Mining Plan, Form-I/II, PFR/DPR and EMP for compliance by the proponent. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on **20th, 22nd & 23rd June 2021** examined the proposal and the recommendations of SEAC and decided to accept SEAC recommendations aforesaid for strict compliance by the proponent and to issue EC. The SEIAA, A.P **hereby accords Environmental Clearance to the project** as mentioned at Para no. 1 under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:

Part A. Special Conditions:

i. The proposal shall not attract the following Acts & Rules:
   a. Forest Act 1980,
   b. Wild life (Protection) Act,1972;
   c. CRZ Notification, 2011;
   d. The Eco sensitive areas as notified under Environment (Protection) Act.1986;
   e. Critically polluted areas as notified by CPCB

   and also shall not harm live stocks and human beings and disturb their activities.

ii. The total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan.

iii. The project proponent shall maintain the setback distance 7.5 meters buffer zone all around the mine lease area for greenbelt development and other conditions are to be fulfilled.

iv. The avenue plantation with tall plants of at least 1.5m height for 1 km length of the approach road on either side of the road is to be developed and maintained. Entire greenbelt should be developed in the first year itself.

v. The proponent is advised to ensure safety to animal and public life.

Part B. Specific Conditions:

I. Air Pollution:-

i. Suitable drilling & cutting method shall be adopted to control dust emissions, as per approved mining plan

ii. The proponent shall comply with the mining methodology mentioned in approved mining plan and Form1.

iii. Greenbelt shall be developed along the boundary of mining lease area and also in back filled and reclaimed areas with tall growing native species in consultation with the local DFO/Agriculture Department. The proponent of mine shall carry mining operations in such a manner so as to cause least damage to the flora of the mining area and nearby areas. He shall take immediate measures for planting in the same area or any other area selected by authorities not less than twice the number of trees going to be felled by mining operations. He shall also take measures for restoration of other flora /fauna if damaged by mining operations. In case any felling or damage to fauna and flora is involved, prior permission shall be taken from the concerned regulatory authority, by the proponent, without which mining shall not be taken up.

iv. Effective safe guard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Prior concurrence of regulatory Authority must be obtained by the proponent

v. The proponent of mine shall carry air quality monitoring in the core zone as well as buffer zone for RSPM and Noise levels. Location of monitoring stations should be decided based on the metrological data topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with Andhra Pradesh Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Chennai and the Andhra Pradesh Pollution Control Board/Central Pollution Control Board once in six months. Prior concurrence of regulatory Authority must be obtained by the proponent.

vi. The proponent shall construct graded roads connecting the mining area to the nearby roads to avoid dust nuisance due to vehicular movements. Prior concurrence of regulatory Authority must be obtained by the proponent.

vii. The proponent shall take precautions against noise arising out of mining operations and shall be abated or controlled at the source so as to keep it within the permissible limits notified under Environmental (Protection) Act. 1986 / Noise Pollution(Regulations & Control) Rules, 2010 by implementing the following noise control measures.

- Proper and regular maintenance of vehicles and other equipment.
- The proponent shall ensure that there shall be no excessive noise, while taking up mining activity.
- The workers employed shall be provided with protection equipment and earmuffs etc.
- Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks

viii. Whenever any damage to public buildings or monuments is apprehended due to their proximity to the mining lease area, scientific investigations shall be carried out by the holder of mining lease so as to keep the ground vibrations caused by blasting operations within safe limit. In such cases, Prior concurrence of concerned Regulatory Authority must be obtained by the proponent, without which, mining shall not be taken up.

ix. The proponent shall not take-up mining activity unless he obtains the safety clearance certificate from the Govt. competent authority.

2) Water Pollution:-

i. As per records the source of water is Bore well. Total water requirement is 4.0 KLD. 1.5 KLD is used for Water sprinkling on haul Roads; 1.5 KLD is used for development of green belt; 1.0 KLD is used for domestic purpose.

ii. Garland drain and Siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly desilted, particularly after monsoon, and maintained properly. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.

iii. The proponent of the mine shall take all possible precautions to prevent or reduce the discharge of toxic and objectionable liquid effluents from mine, workshop, tailing ponds into surface bodies, ground water aquifer and useable lands to a minimum. The effluents shall be suitably treated, if required, to conform to the general standards notified under Environmental (Protection) Act, 1986. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.

iv. Monitoring of ground water level and quality should be carried out quarterly by the project proponent in and around the project area in consultation with State Ground Water Department/Central Ground Water Authority and data thus collected shall be submitted regularly to the MoE&F and its Regional Office Chennai, CGWA, and the Regional Director, Central Ground Water Board, Hyderabad. If at any stage, it is observed that the ground water table is getting depleted due to the mining activity, necessary correction measures shall be carried out in consultation with concerned Regulatory Authority.

v. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting in consultation with concerned Regulatory Authority.

vi. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.

3) Solid Waste :-

i. **Topsoil:** Wherever top soil exists and is to be excavated for mining operations, remove it separately and the top soil so removed shall be utilized for restoration or rehabilitation of the land, which is no longer required for mine operations or for stabilizing or landscaping the external dumps. Whenever the top soil cannot be utilized concurrently, it shall be stored separately for future use. Prior concurrence of Regulatory Authority must be taken for this activity.

ii. **Overburden :** The proponent of mine shall take steps so that the overburden, waste rock, rejects and fines generated during mining operations shall be stored in separate dumps preferably on impervious grounds. The waste rock, overburden etc. shall be backfilled into the mine excavations so as to restore the land to its original use as far as possible. In the case of non feasibility of back filling, the waste dump shall be suitably terraced and stabilizes through the vegetation. The proponent shall maintain proper angle of repose to ensure stability to the dump. Prior concurrence of Regulatory Authority must be taken for this activity.

iii. The proponent of the mine shall construct required number of retaining walls to provide stability to the dumps. Dimensions of the retaining walls shall be based on the rainfall data. Prior concurrence of Regulatory Authority must be taken for this activity.

iv. The proponent of mines shall construct required number of garland drains to arrest mineral particles being carried away as runoff during rainy seasons around the dump yards. Dimensions of the garland rains shall be based on rainfall data. Prior concurrence of Regulatory Authority must be taken for this activity.

v. The proponent of the mine shall undertake phased restoration, reclamation and rehabilitation of the lands affected by the mining operations and shall complete this work before the conclusion of such operations and the abandonment of the mine. This activity shall be taken up under the guidance of Appropriate Regulatory Authority, by the proponent, to ensure that environment is protected.

vi. The proponent will be squarely responsible for proper implementation of solid waste management plan, prevention of air pollution, water pollution, and any other kind of pollution/health hazard.

Part C. General Conditions:

i. **This order is valid a period of 19.75 years or the expiry date of mine lease or land lease period issued by the Government of A.P., whichever is earlier.**

ii. While giving CFE/CFO, the APPCB is to kindly ensure compliance of guidelines issued in G.O RT No 239 dt 16.04.2020 and Memo. No/ covid-19/2020/HMFW dt 18.04.2020 issued by Medical, Health and Family welfare department, Government of AP and the Ministry of Home Affairs order No 40-3/2020/DM-DA dt 15.04.2020 scrupulously.

iii. The proponent shall scrupulously follow any conditions stipulated by Revenue department/ Panchayat Raj/ Municipal administration/local self government bodies (Gram panchayat/Grum secretariat) in ensuring safety to human and animal life. The APPCB to ensure the same while according CFE/CFO.The APPCB to ensure the same while according CFE/CFO.

iv. Proponent shall ensure that there is no disturbance to flora and fauna. Serenity of nature must be protected at any cost.

v. In respect of government land for mining, the responsibility fixed on AD mines to check whether necessary clearances from revenue department are obtained.

vi. In case of patta land while granting mine lease ADMG should verify the land lease documents.

vii. In respect of forest land given in lease for mining, the proponent shall scrupulously adhere to the mining conditions stipulated by the forest department, Government of Andhra Pradesh.

viii. Any change in mining plan/ production/ mining methodology the proponent shall apply afresh EC.

ix. While taking up mining activity the proponent shall meticulously follow approved mining plan/Form-I/EMP.

x. Once in an year proponent shall conduct impact analysis on environment by reputed institute recognized by Director General, Mines and Safety.

xi. "Consent for Establishment" & "Consent for Operation" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act and effectively comply with all the conditions stipulated thereof

xii. No change in mining technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, AP/ MoE&F, GoI, New Delhi, as applicable.

xiii. Personnel working in dusty areas shall be provided by the proponent with protective respiratory devices and they should wear, and they should also be provided with adequate training and information on safety and health aspects. Prior instructions and guidance of Regulatory authority shall be taken for this activity.

xiv. The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.

xv. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Prior instructions and guidance of Regulatory authority shall be taken for this activity.

xvi. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.

xvii. The funds earmarked for environmental protection measures **(Capital cost Rs.8.4 Lakhs and Recurring cost Rs.5.25 Lakhs/annum)** should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Chennai.

xviii. At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF&CC's office Memorandum No.F.No.22-65/2017-IA.III, dated.01.05.2018 and submit to the SEIAA, A.P and Ministry's Regional Office, Chennai.

xix. Officials from the Regional Office of MOEF&CC, Chennai / The SEIAA, Andhra Pradesh through the Andhra Pradesh Pollution Control Board, who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Regional Office to MOEF&CC, Chennai.

xx. The project proponent shall submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the Ministry of Environment & Forests, its Regional Office, Chennai, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, District Collector and A.P. Pollution Control Board. The proponent shall upload the status of compliance of the environmental clearance conditions including results of monitored data on their websites and shall update the same periodically.

xxi. Post Environment Clearance Monitoring. It shall be mandatory for the project manager to submit half yearly compliance reports in respect of the stipulated prior EC terms and conditions in hard and soft copy to SEIAA on 1st June and 1st December of each calendar year. (Refer 10(i) and 10(ii) of S.O. 1533(E) of Ministry of Environment and Forests Notification, New Delhi, dt 14th September, 2006.)

xxii. The APPCB shall monitor the EC conditions stipulated by SEIAA as per GO MS No 120 dated 01.11.2018 of EFS&T Dept., and ensure the compliance.

xxiii. The proponent shall obtain prior permissions and continued guidance from regulatory authorities for all the above conditions wherever it is required.

xxiv. All safety norms as stipulated in various laws and statutes shall be scrupulously followed by the proponent. PCB shall ensure compliance to the conditions stipulated by SEIAA.

xxv. The Proponent shall follow G.O. Ms 107 dated 30.07.2016 of Industries & Commerce (Mines-II) Department wherever applicable.

xxvi. Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity /construction work at site.

xxvii. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

xxviii. The environmental statement for each financial year ending 31st march in Form-V as mandated is to be submitted by the project proponent to the A.P. Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Regional office of the Ministry of Environment and Forests, Chennai by e-mail.

xxix. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P.

xxx. The proponent shall obtain all other mandatory clearances from respective departments before taking-up the mining activity.

xxxi. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

xxxii. Concealing the factual data or submission of false fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xxxiii. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

xxxiv. SEIAA also reserves the right to cancel the EC issued at anytime, if EC has been obtained by the proponent through suppression of any information or furnishing false information.

xxxv. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

Sd/-	Sd/-	Sd/-
MEMBER SECRETARY,	**MEMBER,**	**CHAIRMAN,**
SEIAA, A.P.	**SEIAA, A.P.**	**SEIAA, A.P.**

To
M/s Gangavaram Port Limited,
Sri P. Srinivasa Rao,
2nd to 4th Floor, Hansa Plaza,
Plot No. 798, Road No. 36,
Jubilee Hills, Hyderabad – 500 033,
Ph.8978180366

//T.C.F.B.O//

P. Murty Swamy Reddy
SENIOR ENVIRONMENTAL ENGINEER (EC)

ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL OFFICE :: VISAKHAPATNAM
D.No.39-33-20/4/1,Madhavadhara Vuda Colony, Visakhapatnam - 530018.
Ph : 0891-2719380

RED CATEGORY
CONSENT ORDER

Consent Order No: 8375/APPCB/ZO-VSP/VSP/CFO/2021 **Date: 13.12.2021**

CONSENT is hereby granted for Operation under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21 of Air (Prevention & Control of Pollution) Act 1981 and amendments thereof and the rules and orders made there under (hereinafter referred to as 'the Acts', `the Rules') to:

2.024 Ha Rough Stone Mine of M/s. Gangavaram Port Limited,
Sy.No.274 (New sy.No.307),
Pedgantyada (V&M),
Visakhapatnam District.

(Hereinafter referred to as 'the Applicant') authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i) Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1	Domestic	0.3 Kilo Liters/Day	Septic tank.

ii) Emissions from chimneys:

Chimney No.	Description of Chimney	Quantity of Emissions at peak flow (m^3/hr)
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This consent order is valid for the following products along with quantities indicated only:

S. No.	Name of the Products	Capacity
1	Mining of Rough stone in 2.024 Ha	12450 m^3/annum

This order is subject to the provisions of `the Acts' and the Rules' and orders made thereunder and further subject to the terms and conditions incorporated in the schedule A & B enclosed to this order.

This order consent Authorization shall be valid for a period ending with the ***30.10.2022.***

JOINT CHIEF ENVIRONMENTAL ENGINEER (FAC)

To
2.024 Ha Rough Stone Mine of M/s. Gangavaram Port Limited,
Sy.No.274 (New sy.No.307),
Pedgantyada (V&M),
Visakhapatnam District.

- Copy to the Environmental Engineer, Regional Office, Visakhapatnam information and necessary action.

SCHEDULE – A

1. Any up-set condition in any activity of the Mining unit, which may result in, increased violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The Mining unit should carryout analysis of air emissions for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The Mining Unit should put up two sign boards (6x4 ft. each) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CFO and exhibit the CFO order at a prominent place in the factory premises.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The Mining Unit shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.
7. The Mining Unit should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CFO conditions for obtaining Consent & HW Authorization of the Board. The Mining Unit should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21/22 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.

SCHEDULE - B

***SPECIAL CONDITIONS*:**

1. The proponent shall start mining activity only after complying with CFE conditions as per commitment given in the undertaking letter dated 26.11.2021.
2. The proponent shall submit the compliance status along with photographic evidences within 2 months.
3. The proponent shall carryout mining activity in the respective boundaries only mentioned in EC Order dated 29.07.2021 and in CFE order dated 12.11.2021.
4. The mining unit shall adopt suitable mining methods as per approved mining plan & DMG approval.
5. Suitable blasting method shall be adopted to control dust emissions as per DMG approved mining plan.
6. The regulations for danger zone (*500m*) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimize the impact on Environment.

7. The mining unit shall develop at least 10m width greenbelt along the South-East & South-West boundary towards Bay of Bengal.

WATER:

8. The source of water being bore well. The following is the permitted water consumption:

S. No.	Purpose	Quantity
1	Water sprinkling on haul roads	1.5 Kilo Liters/Day
2	Greenbelt development	1.5 Kilo Liters/Day
3	Domestic	1.0 Kilo Liters/Day
	Total	**4.0 Kilo Liters/Day**

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.

AIR:

9. The industry shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification GSR 826(E), dt.16.11.2009 at the boundary of the premises during regular operation.
10. The industry shall take measures to comply with the provisions laid down under Noise pollution (Regulation and Control) Amendment Rules, 2010 dated 11.01.2010 issued by MoE&F, GoI to control the noise to the prescribed levels.

GENERAL CONDITIONS:

9. The mining unit shall construct retention wall around the dump and also construct garland drain to arrest mined particles being carried away as run off during rainy season around the dump yard.
10. Garland drain and siltation ponds of adequate size should be constructed for working pit to arrest flow of silt and sediment.
11. The Mining unit shall provide water sprinklers for wetting the roads and at dust generating sources to control fugitive dust emissions.
12. Greenbelt shall be developed at possible areas around the boundary.
13. The mining unit shall ensure compliance of guidelines issued in G.O. Rt.No.239, dt.16.04.2020 and Memo No. Covid-19/2020/HMFW, dt.18.04.2020 issued by Medical, health and Family welfare department, Government of AP and the Ministry of Home Affairs order No. 40-3/2020/DM-DA, dt.15.04.2020 scrupulously.
14. The mining unit shall scrupulously follow any conditions stipulated by Revenue department/Panchayat Raj/Municipal administration/Local self government bodies (Gram Panchayat/Gram secretariat) in ensuring safety to human and animal life.
15. The Mining Unit shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
    a. Daily production details.
    b. Log Books for pollution control systems.
    c. Solid waste generated and disposed.
    d. Inspection book.
16. The Mining unit shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CFO of the Board.
17. The Mining Unit shall scrupulously comply with conditions stipulated by the SEIAA, MoEF&CC, in the Environmental Clearance order dated: **29.07.2021.**
18. The Mining unit shall not cause ground water pollution in and around the Mining unit premises.
19. All the waste material should be accommodated within the Mining Lease Area.
20. All mining products and rejects, irrespective of size and quality, should be hauled within the mine lease area.
21. Dumping of overburden, if done, should use the retreating pyramid bench formation with concurrent, physical and biological reclamation. Dumps should be contoured and

provided with relief control and stabilized. Dump tops should be compacted, leveled and be properly drained. The overburden shall not be disposed outside the mine lease area under any circumstances.

22. Suitable tree species should be planted on either side of the haul roads.
23. Drills should be water-jacketed. Local exhaust ventilation systems should be installed at dust generation points and the dust is led to a dust collection system.
24. The mine rejects shall be disposed scientifically in the earmarked area as per the mining plan.
25. Fugitive emissions from all the sources shall be controlled regularly.
26. The Mining unit shall establish one Ambient Air Quality monitoring station and monitor the critical parameters maintained in Schedule - 'B' as per CPCB guidelines and shall submit monthly reports to Regional Office and Zonal Office regularly.
27. Mining shall be carried out as per approved Mining plan.
28. The Mining unit shall submit a compliance report on CFO conditions for every 6 months as on 01st January and 01st July of every year at Regional Office and Zonal Office.

JOINT CHIEF ENVIRONMENTAL ENGINEER (FAC)

To
2.024 Ha Rough Stone Mine of M/s. Gangavaram Port Limited,
Sy.No.274 (New sy.No.307),
Pedgantyada (V&M),
Visakhapatnam District.

ANDHRA PRADESH POLLUTION CONTROL BOARD
ZONAL OFFICE :: VISAKHAPATNAM

39-33-20/4/1,Madhavadhara Vuda Colony,
Visakhapatnam - 530018.
Ph : 0891 - 2719380

RED CATEGORY

CONSENT ORDER

Consent Order No: 8375/APPCB/ZO-VSP/VSP/CTO/2024 **Date: 26/02/2024**

CONSENT is hereby granted for Operation under section 25/26 of the Water (*Prevention & Control of Pollution*) Act, 1974 and under section 21 of Air (*Prevention & Control of Pollution*) Act 1981 and amendments thereof and the rules and orders made there under (hereinafter referred to as 'the Acts', `the Rules') to:

2.024 Ha Rough Stone Mine of M/s. Gangavaram Port Limited,
Sy.No.274 (*New Sy.No.307*),
Pedgantyada (V&M),
Visakhapatnam District.

(*Hereinafter referred to as 'the Applicant'*) authorizing to operate the industrial plant to discharge the effluents from the outlets and the quantity of emissions per hour from the chimneys as detailed below:

i) Outlets for discharge of effluents:

Outlet No.	Outlet Description	Max Daily Discharge	Point of Disposal
1	Domestic	0.3 Kilo Liters/Day	Septic tank

This consent order is valid for mining of the following minerals with quantities and extent indicated below:

S. No.	Name of the mineral and Extent	Capacity
1.	**Mining of Rough Stone over an extent of 2.024 Ha.,**	**12450 m^3/annum**

This order is subject to the provisions of `the Acts' and the Rules' and orders made there under and further subject to the terms and conditions incorporated in the schedule A & B enclosed to this order.

This Consent Order shall be valid for a period ending with the **31.10.2028.**

DR P.PRASADA RAO, JCEE(PRR)-ZO-

VSP, O/o JOINT CHIEF ENVIRONMENTAL ENGINEER7 -APPCB

To
M/s. Gangavaram Port Limited,
(*2.024 Ha Rough Stone Mine*),
Sy.No.274 (New sy.No.307),
Pedgantyada (V&M),
Visakhapatnam District.

- Copy to the EE, Regional Office, Visakhapatnam for information and necessary action to ensure compliance.

SCHEDULE – A

1. Any up-set condition in any activity of the Mining unit, which may result in, increased violation of standards stipulated in this order shall be informed to this Board, under intimation to the Collector and District Magistrate and take immediate action to bring down the discharge / emission below the limits.
2. The Mining unit should carryout analysis of air emissions for the parameters mentioned in this order on quarterly basis and submit to the Board.
3. All the rules & regulations notified by Ministry of Law and Justice, Government of India regarding Public Liability Insurance Act, 1991 should be followed as applicable.
4. The Mining Unit should put up two sign boards (*6x4 ft. each*) at publicly visible places at the main gate indicating the products, effluent discharge standards, air emission standards, hazardous waste quantities and validity of CTO and exhibit the CTO order at a prominent place in the factory premises.
5. Notwithstanding anything contained in this consent order, the Board hereby reserves the right and powers to review / revoke any and/or all the conditions imposed herein above and to make such variations as deemed fit for the purpose of the Acts by the Board.
6. The Mining Unit shall submit Environment statement in Form V before 30th September every year as per Rule No.14 of E (P) Rules, 1986 & amendments thereof.
7. The Mining Unit should make applications through Online for renewal of Consent (under Water and Air Acts) and Authorization under HWM Rules at least 120 days before the date of expiry of this order, along with prescribed fee under Water and Air Acts and detailed compliance of CTO conditions for obtaining Consent & HW Authorization of the Board. The Mining Unit should immediately submit the revised application for consent to this Board in the event of any change in the raw material used, processes employed, quantity of trade effluents & quantity of emissions. Any change in the management shall be informed to the Board. The person authorized should not let out the premises / lend / sell / transfer their industrial premises without obtaining prior permission of the State Pollution Control Board.
8. Any person aggrieved by an order made by the State Board under Section 25, Section 26, Section 27 of Water Act, 1974 or Section 21/22 of Air Act, 1981 may within thirty days from the date on which the order is communicated to him, prefer an appeal as per Andhra Pradesh Water Rules, 1976 and Air Rules 1982, to Appellate authority constituted under Section 28 of the Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.

SCHEDULE - B

***SPECIAL CONDITIONS*:**

1. The proposed mine shall comply with the following minimum distance criteria with respect to habitation, as per NGT order dt.21.07.2020 in O.A No. 304 of 2019 and the Board Circular dt.17.08.2020:

	Mining type	Minimum Distance	Locations
A	When blasting is not involved	100 m	Residential / public buildings, inhabited sites, locations to be considered by States
B	When blasting is involved	200 m**	

** Note: The regulations for danger zone (*500m*) prescribed by Directorate General of Mines Safety also have to be complied compulsorily and necessary measures should be taken to minimize the impact on Environment.

2. The proponent shall carryout mining activity in the respective boundaries only mentioned in EC Order dated 29.07.2021 and in CFE order dated 12.11.2021.

3. The mining unit shall adopt suitable mining methods as per approved mining plan & DMG approval.
4. Suitable blasting methods shall be adopted to control dust emissions as per approved mining plan.
5. The mine shall comply with orders/directions of Hon'ble NGT issued from time to time and the Circulars / Notifications issued by MoEF & CC / CPCB / APPCB.

WATER:

6. The source of water being bore well. The following is the permitted water consumption:

S. No.	Purpose	Quantity
1.	Water sprinkling on haul roads	1.5 Kilo Liters/Day
2.	Greenbelt development	1.5 Kilo Liters/Day
3.	Domestic	1.0 Kilo Liters/Day
	Total	**4.0 Kilo Liters/Day**

Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above.

AIR:

7. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE&F, GoI vide notification GSR 826 (E), dt.16.11.2009 at the boundary of the premises during regular operation.
8. The proponent shall take measures to comply with the provisions laid down under Noise pollution (*Regulation and Control*) Amendment Rules, 2010 dated 11.01.2010 issued by MoE&F, GoI to control the noise to the prescribed levels.

GENERAL CONDITIONS:

9. The mining unit shall maintain the following measures to control erosion of dumps:
- Retention/toe walls at the foot of the dumps.
- Worked out slopes stabilized by planting appropriate shrub / grass species on the slopes.

10. The mining unit shall maintain garland drain and siltation ponds of appropriate size for the working pit and around the dump yard to arrest the flow of silt and sediments. The water so collected shall be utilized for watering the mine area, roads, green belt development, etc.,
11. The mining unit shall ensure compliance of guidelines issued in G.O. Rt.No.239, dt.16.04.2020 and Memo No. covid-19/2020/HMFW, dt.18.04.2020 issued by Medical, health and Family welfare department, Government of AP and the Ministry of Home Affairs order No. 40-3/2020/DM-DA, dt.15.04.2020 scrupulously.
12. The mining unit shall scrupulously follow any conditions stipulated by Revenue department/Panchayat Raj/Municipal administration/Local self government bodies (*Gram Panchayat/Gram secretariat*) in ensuring safety to human and animal life.
13. The mining unit shall implement the following measures to reduce the air pollution during the transportation of the mineral.

- Road shall be graded to mitigate the dust emissions.
- Overfilling of tippers and consequent spillage on the roads shall be avoided. The trucks shall be covered with tarpaulin.
- Water shall be sprinkled at regular interval on the main haul road and other service roads to suppress the dust.

14. The mining unit shall implement the following measures to reduce the noise pollution.

- The proper and regular maintenance of the vehicles and other equipment.
- Limiting time exposure of workers to the excessive noise. Worker employed shall be provided with protection equipment and ear muffs.

- Speed of the trucks entering or leaving the mine is to be limited to the moderate speed of 25KMPH to prevent undue noise from empty trucks.

15. The mining unit shall maintain the following records and the same shall be made available to the inspecting officers of the Board:
a. Daily production details.
b. Log Books for pollution control systems.
c. Solid waste generated and disposed.
d. Inspection book.
16. The mining unit shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE/CTO of the Board.
17. The mining unit shall scrupulously comply with conditions stipulated by the SEIAA, MoEF&CC, in the Environmental Clearance order dated: **29.07.2021.**
18. The mining unit shall not cause ground water pollution in and around the Mining unit premises.
19. All the waste material should be accommodated within the Mining Lease Area.
20. All mining products and rejects, irrespective of size and quality, should be hauled within the mine lease area.
21. Dumping of overburden, if done, should use the retreating pyramid bench formation with concurrent, physical and biological reclamation. Dumps should be contoured and provided with relief control and stabilized. Dump tops should be compacted, leveled and be properly drained. The overburden shall not be disposed outside the mine lease area under any circumstances.
22. The mining unit shall collect solid waste i.e., overburden (*top soil and rock waste*) properly. The topsoil shall be stacked properly with proper slope with adequate measures and should be used for plantation purpose. The rock waste shall be dumped in the dump yard earmarked within the quarry lease area and the mining unit shall not dump the overburden soil outside the quarry lease area, under any circumstances.
23. Suitable tree species should be planted on either side of the haul roads.
24. Drills should be water-jacketed. Local exhaust ventilation systems should be installed at dust generation points and the dust is led to a dust collection system.
25. The mining unit shall provide water sprinklers for wetting the roads and at dust generating sources to control fugitive dust emissions.
26. Greenbelt shall be developed at possible areas around the boundary.
27. The mine rejects shall be disposed scientifically in the earmarked area as per the mining plan.
28. Fugitive emissions from all the sources shall be controlled regularly.
29. Mining shall be carried out as per approved mining plan.
30. The mining unit shall submit a compliance report on CTO conditions for every 6 months as on 01st January and 01st July of every year at Regional Office and Zonal Office.

DR P.PRASADA RAO, JCEE(PRR)-ZO-
VSP, O/o JOINT CHIEF ENVIRONMENTAL ENGINEER7 -APPCB

To
M/s. Gangavaram Port Limited,
(*2.024 Ha Rough Stone Mine*),
Sy.No.274 (New sy.No.307),
Pedgantyada (V&M),
Visakhapatnam District.

Digitally Signed by Dr
P.prasada Rao
Date: 26-02-2024 21:46:43
Reason: Approved

Gangavaram Post, Visakhapatanam,
Andhra Pradesh - 530044.

Copy to:

1. The Chairman, SEAC, A.P. for kind information.
2. The Member Secretary, APPCB for kind information.
3. The EE, RO: Visakhapatnam, APPCB for information.
4. The MoEF&CC, GoI, Sub – Office, Vijayawada for kind information.
5. The Secretary, MoEF&CC, GoI New Delhi for kind information.
6. Monitoring cell, MoEF&CC, GoI, New Delhi for kind information.
7. The District Collector, Visakhapatnam District, Andhra Pradesh for kind information.

Validity unknown

Digitally Signed by : S Sri Saravanan
Member Secretary, SEIAA

Date: 02/09/2025

42. The project authorities shall inform to the Regional Office of the MOEFCC regarding commencement of mining operations.

43. The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.

44. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.

45. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).

46. The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

47. Compensation of the land acquired for the project shall be settled as per the R&R Policy. Adequate facility of drinking water, plantation and other social amenities should be provided to established R&R villages.

48. Persons of nearby villages shall be given training on livelihood and skill development to make them employable with its proper records.

49. The illumination and sound at night at project sites disturb the villages in respect of both human and animal population. Consequent sleeping disorders and stress may affect the health in the villages located close to mining operations. Habitations have a right for darkness and minimal noise levels at night. PPs must ensure that the biological clock of the villages is not disturbed; by orienting the floodlights/ masks away from the villagers and keeping the noise levels well within the prescribed limits for day light/night hours.

SPECIAL SECRETARY TO GOVT

MEMBER SECRETARY, SEIAA, A.P.	MEMBER, SEIAA, A.P.	CHAIRMAN, SEIAA, A.P.

To

M/s. Adani Gangavaram Port Limited,
Associate Vice President Head Environment: Anil Kumar Trivedi,
Pedagantyada Village & Mandal,

the mining projects wherein habitations and villages are the part of mine lease areas or habitations and villages are surrounded by the mine lease area'.

34. PP to conduct need based assessment survey of the area to for in order to decide the activities to be carried under the CSR and to provide detail of the activity carried out with adequate budgetary provision and time bound action plan.
35. PP is asked to also identify the rural areas for installation of solar light with its maintenance within the study area of 10 km radius buffer zone with time bound action plan.

36. PP to take measure for installation of Renewable Energy sources in nearby area falling within 10 km radius.

VIII. Corporate Environment Responsibility:

37. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/forest/wildlife norms/conditions. The company shall have defined system of reporting infringements/deviation/violation of the environmental/forest/wildlife norms/conditions and/or shareholders/stake holders.
38. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.

39. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

40. PP should establish in house (at project site) environment laboratory for measurement of environment parameter with respect to air quality and water (surface and ground). Any non- compliance or infringement should be reported to the concerned authority.

IX. Miscellaneous:

41. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.

24. A separate team for subsidence monitoring and surface mitigation measures shall be constituted and continuous monitoring & implementation of mitigation measures be carried out.

25. Thorough inspection of the mine lease area for any cracks developed at the surface due to mining activities below ground shall be carried out to prevent inrush of water in the mine.

26. Native tree species shall be selected and planted over areas affected by subsidence.

VII. Public Hearing And Human Health Issues:

27. Adequate illumination shall be ensured in all mine locations (as per DGMS standards) and monitored.

28. The project proponent shall undertake occupational health survey for initial and periodical medical examination of the personnel engaged in the project and maintain records accordingly as per the provisions of the Mines Rules, 1955 and DGMS circulars. Besides regular periodic health check-up, 20% of the personnel identified from work force engaged in active mining operations shall be subjected to health check-up for occupational diseases and hearing impairment, if any, as amended time to time.

29. Personnel (including outsourced employees) working in core zone shall wear protective respiratory devices and shall also be provided with adequate training and information on safety and health aspects.

30. Skill training as per safety norms specified by DGMS shall be provided to all workmen including the outsourcing employees to ensure high safety standards in mines.

31. Effective arrangement shall be made to provide and maintain at suitable points conveniently situated, a sufficient supply of drinking water for all the persons employed.

32. If public hearing is conducted, implementation of the time bound action plan on the issues raised during the public hearing shall be ensured. The project proponent shall undertake all the tasks/measures as per the time bound action plan submitted with budgetary provisions during the public hearing. Land oustees shall be compensated as per the norms laid down in the R&R policy of the company/State Government/Central Government, as applicable.

33. The project proponent shall follow the mitigation measures provided in this Ministry's OMNo.Z-11013/5712014-IA.I1 (M) dated 29th October, 2014, titled 'Impact of mining activities on habitations-issues related to

15. Ground water, excluding mine water, shall not be used for mining operations. Rainwater harvesting shall be implemented for conservation and augmentation of ground water resources.

IV. Noise And Vibration Monitoring And Prevention

16. Adequate measures shall be taken for control of noise levels as per Noise Pollution Rules, 2016 in the work environment. Workers engaged in blasting and drilling operations, operation of HEMM, etc shall be provided with personal protective equipments (PPE) like ear plugs/muffs in conformity with the prescribed norms and guidelines in this regard. Adequate awareness program for users to be conducted. Progress in usage of such accessories to be monitored.

17. The noise level survey shall be carried out as per the prescribed guidelines to assess noise exposure of the workmen at vulnerable points in the mine premises, and report in this regard shall be submitted to the Ministry/RO on six-monthly basis.

V. Mining Plan

18. Mining shall be carried out under strict adherence to provisions of the Mines Act 1952 and subordinate legislations made there-under as applicable.

19. No change in mining method i.e. UG to OC, calendar program and scope of work shall be made without obtaining prior approval of the Ministry of Environment, Forests and Climate Change (MoEFCC).

20. Mining shall be carried out as per the approved mining plan (including Mine Closure Plan) abiding by relevant mining laws and relevant circulars issued by Directorate General Mines Safety (DGMS).

21. No mining shall be carried out in forest land without obtaining Forestry Clearance as per Forest (Conservation) Act, 1980 and also adhering to The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, 2006 read with provisions of Indian Forest Act, 1927.

22. Efforts should be made to reduce energy and fuel consumption by conservation, efficiency improvements and use of renewable energy.

VI. Land Reclamation:

23. Digital Survey of entire lease hold area/core zone using Satellite Remote Sensing survey shall be carried out at least once in three years for monitoring land use pattern and report in 1:50,000 scale or as notified by Ministry of Environment, Forest and Climate Change (MOEFCC) from time to time shall be submitted to MOEFCC/Regional Office (RO).

decided based on the meteorological data, topographical features and environmentally and ecologically sensitive receptors in consultation with the State Pollution Control Board. Online ambient air quality monitoring station/stations may also be installed in addition to the regular air monitoring stations as per the requirement and/or in consultation with the SPCB.

8. Vehicular emissions shall be kept under control and regularly monitored. All the vehicles engaged in mining and allied activities shall operate only after obtaining 'PUC' certificate from the authorized pollution testing centers.

9. Adequate number of Fog canon (mist sprayer) shall be installed to reduce the impact of air pollution at dust generating sources with time bound action plan.
10. Post environmental closure third party monitoring by reputed instituted in air quality, water, land & soil etc shall be carried out and analyzed with EMP measures at regular interval. A suitable recommendation in this regard, shall be furnished to IRO, MoEF&CC for compliance. The data used for analysis shall be obtained from continuous AQMS, site specific water regime. Also third party shall analyses the implementation of river diversion, meeting to the requirement of project report.

III. Water Quality Monitoring And Mitigation Measures:

11. The effluent discharge (mine waste water, workshop effluent) shall be monitored in terms of the parameters notified under the Water Act, 1974 Coal Industry Standards vide GSR742 (E) dated 25th September, 2000 and as amended from time to time by the Central Pollution Control Board.

12. The monitoring data shall be uploaded on the company's website and displayed at the project site at a suitable location. The circular No.J-20012/1/2006-IA.11 (M) dated 27thMay, 2009 issued by Ministry of Environment, Forest and Climate Change shall also be referred in this regard for its compliance.
13. Regular monitoring of ground water level and quality shall be carried out in and around the mine lease area by establishing a network of existing wells and constructing new piezometers during the mining operations. The monitoring of ground water levels shall be carried out four times a year i.e. pre-monsoon, monsoon, post-monsoon and winter. The ground water quality shall be monitored once a year, and the data thus collected shall be sent regularly to MOEFCC/RO.

14. Monitoring of water quality upstream and downstream of river including ponds, lakes, tanks shall be carried out once in six months and record of monitoring data shall be maintained and submitted to the Ministry of Environment, Forest and Climate Change/Regional Office.

may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.

xxxiii. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.

xxxiv. SEIAA also reserves the right to cancel the EC issued at anytime, if EC has been obtained by the proponent through suppression of any information or furnishing false information.

xxxv. The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and Rules.

Additional Conditions:-

I. Statutory Compliance:

1. The Environmental clearance shall be subject to orders of the Hon'ble Supreme Court of India, Hon'ble High Courts, NGT and any other Court of Law, from time to time, and as applicable to the project.
2. The project proponent shall obtain Consent to Establish / Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State pollution Control Board/ Committee.
3. The project proponent shall obtain the necessary permission from the Central Ground Water Authority.
4. Solid/hazardous waste generated in the mines needs to addressed in accordance to the Solid Waste Management Rules, 2016/Hazardous & Other Waste Management Rules, 2016.
5. Permission of power supply to be taken from the concerned authority for meeting power demand of the project site.
6. The maximum production or peak production at any given time shall not exceed the limit as prescribed in the EC.

II. Air Quality Monitoring And Mitigation Measure:

7. Adequate ambient air quality monitoring stations shall be established in the core zone as well as in the buffer zone for monitoring of pollutants, namely particulates, SO2 and NOx. Location of the stations shall be

guidance from regulatory authorities for all the above conditions wherever it is required.

xxiv. All safety norms as stipulated in various laws and statutes shall be scrupulously followed by the proponent. PCB shall ensure compliance to the conditions stipulated by SEIAA.

xxv. The Proponent shall follow G.O.Ms.No.107 dated 30.07.2016 of Industries & Commerce (Mines-II) Department wherever applicable.

xxvi. "Consent to Establish" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity /construction work at site.

xxvii. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.

xxviii. The environmental statement for each financial year ending 31st March in Form-V as mandated is to be submitted by the project proponent to the A.P. Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the Sub-office of the Ministry of Environment and Forests, Vijayawada by e-mail.

xxix. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P.

xxx. The proponent shall obtain all other mandatory clearances from respective departments before taking-up the mining activity.

xxxi. Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

xxxii. Concealing the factual data or submission of false fabricated data and failure to comply with any of the conditions mentioned above

who will report directly to the Head of the Organization.

xvii. The funds earmarked for environmental protection measures **(Capital cost Rs. 4.18 Lakhs and recurring cost Rs. 4.97 Lakhs/annum)** should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Sub-Office located at Vijayawada.

xviii. At least 2% of the total project cost shall be allocated for Corporate Environment Responsibility (CER) and item-wise details along with time bound action plan shall be prepared in accordance to the MoEF&CC's office Memorandum No.F.No.22-65/2017-IA.III, dated.01.05.2018 and submit to the SEIAA, A.P and Ministry's Sub-Office, Vijayawada.

xix. Officials from the Sub-Office of MoEF&CC, Vijayawada / The SEIAA, Andhra Pradesh through the Andhra Pradesh Pollution Control Board, who would be monitoring the implementation of environmental safeguards should be given full co-operation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents shall be submitted to the CCF, Sub-Office to MoEF&CC, Vijayawada.

xx. The project proponent shall submit Half-yearly reports on the status of compliance of the stipulated Environmental Clearance Conditions including results of monitored data to the Ministry of Environment & Forests, its Sub-Office, Vijayawada, SEIAA, A.P., Zonal Office of Central Pollution Control Board, Bangalore, and A.P. Pollution Control Board and also shall upload in the PARIVESH portal.

xxi. Post Environment Clearance Monitoring: It shall be mandatory for the project manager to submit half yearly compliance reports in respect of the stipulated prior EC terms and conditions in hard and soft copy to SEIAA on 1st June and 1st December of each calendar year. (Refer 10(i) and 10(ii) of S.O. 1533(E) of Ministry of Environment and Forests Notification, New Delhi, dt 14th September, 2006.)

xxii. The APPCB shall monitor the EC conditions stipulated by SEIAA as per GO MS No 120 dated 01.11.2018 of EFS&T Dept., and ensure the compliance.

xxiii. The proponent shall obtain prior permissions and continued

vi. In case of patta land while granting mine lease ADMG should verify the land lease documents.

vii. In respect of forest land given in lease for mining, the proponent shall scrupulously adhere to the mining conditions stipulated by the forest department, Government of Andhra Pradesh.

viii. Any change in mining plan/ production/ mining methodology the proponent shall apply afresh EC.

ix. While taking up mining activity the proponent shall meticulously follow approved mining plan/Form-1/EMP.

x. Once in a year proponent shall conduct impact analysis on environment by reputed institute recognized by Director General, Mines and Safety.

xi. "Consent to Establish" & "Consent to Operate" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act and effectively comply with all the conditions stipulated thereof.

xii. No change in mining technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the mine shall be carried out without prior approval of the SEIAA, AP/ MoE&F, GoI, New Delhi, as applicable.

xiii. Personnel working in dusty areas shall be provided by the proponent with protective respiratory devices and they should wear, and they should also be provided with adequate training and information on safety and health aspects. Prior instructions and guidance of Regulatory authority shall be taken for this activity.

xiv. The project proponent shall ensure that no natural watercourse and/or water resources shall be obstructed due to any mining operations. Necessary safeguard measures to protect the first order streams, if any, originating from the mine lease shall be taken.

xv. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed. Prior instructions and guidance of Regulatory authority shall be taken for this activity.

xvi. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive,

drains to arrest mineral particles being carried away as runoff during rainy seasons around the dump yards. Dimensions of the garland rains shall be based on rainfall data. Prior concurrence of Regulatory Authority must be taken for this activity.

v. The proponent of the mine shall undertake phased restoration, reclamation and rehabilitation of the lands affected by the mining operations and shall complete this work before the conclusion of such operations and the abandonment of the mine. This activity shall be taken up under the guidance of Appropriate Regulatory Authority, by the proponent, to ensure that environment is protected.

vi. The proponent will be squarely responsible for proper implementation of solid waste management plan, prevention of air pollution, water pollution, and any other kind of pollution/health hazard.

Part C. General Conditions:

i. **This order is valid for a period of 3 years or upto the expiry date of mine lease or land lease period issued by the Government of A.P., whichever is earlier.**

ii. While giving CTE/CTO, the APPCB is to ensure compliance of guidelines issued in G.O RT No 239 dt 16.04.2020 and Memo. No/ covid-19/2020/HMFW dt 18.04.2020 issued by Medical, Health and Family welfare department, Government of AP and the Ministry of Home Affairs order No 40-3/2020/DM-DA dt 15.04.2020 scrupulously.

iii. The proponent shall scrupulously follow any conditions stipulated by Revenue department/ Panchayat Raj/ Municipal administration/local self-government bodies (Gram panchayat/Gram secretariat) in ensuring safety to human and animal life. The APPCB to ensure the same while according CTE/CTO.

iv. Proponent shall ensure that there is no disturbance to flora and fauna. Serenity of nature must be protected at any cost.

v. In respect of government land for mining, the responsibility has been fixed on concerned, AD Mines & Geology Department to check whether necessary clearances from revenue department are obtained.

quarterly by the project proponent in and around the project area in consultation with State Ground Water Department/Central Ground Water Authority and data thus collected shall be submitted regularly to the MoE&F and its Sub-Office Vijayawada, CGWA, and the Regional Director, Central Ground Water Board, Hyderabad. If at any stage, it is observed that the ground water table is getting depleted due to the mining activity, necessary correction measures shall be carried out in consultation with concerned Regulatory Authority.

v. Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting in consultation with concerned Regulatory Authority.

vi. Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.

3) Solid Waste :-

i. **Topsoil:** Wherever top soil exists and is to be excavated for mining operations, remove it separately and the top soil so removed shall be utilized for restoration or rehabilitation of the land, which is no longer required for mine operations or for stabilizing or landscaping the external dumps. Whenever the top soil cannot be utilized concurrently, it shall be stored separately for future use. Prior concurrence of Regulatory Authority must be taken for this activity.

ii. **Overburden:** The proponent of mine shall take steps so that the overburden, waste rock, rejects and fines generated during mining operations shall be stored in separate dumps preferably on impervious grounds. The waste rock, overburden etc. shall be backfilled into the mine excavations so as to restore the land to its original use as far as possible. In the case of non feasibility of back filling, the waste dump shall be suitably terraced and stabilizes through the vegetation. The proponent shall maintain proper angle of repose to ensure stability to the dump. Prior concurrence of Regulatory Authority must be taken for this activity.

iii. The proponent of the mine shall construct required number of retaining walls to provide stability to the dumps. Dimensions of the retaining walls shall be based on the rainfall data. Prior concurrence of Regulatory Authority must be taken for this activity.

iv. The proponent of mines shall construct required number of garland

- The proponent shall ensure that there shall be no excessive noise, while taking up mining activity.
- The workers employed shall be provided with protection equipment and earmuffs etc.
- Speed of trucks entering or leaving the mine is to be limited to moderate speed of 25 kmph to prevent undue noise from empty trucks.

vii. Whenever any damage to public buildings or monuments is apprehended due to their proximity to the mining lease area, scientific investigations shall be carried out by the holder of mining lease so as to keep the ground vibrations caused by blasting operations within safe limit. In such cases, Prior concurrence of concerned Regulatory Authority must be obtained by the proponent, without which, mining shall not be taken up.

viii. The proponent shall not take-up mining activity unless he obtains the safety clearance certificate from the Govt. competent authority .

2) Water Pollution:-

i. As per records the Source of water is from nearby village ponds. Total water requirement is 4.0 KLD. Out of that, 1.5 KLD is used for Dust suppression; 1.0 KLD is used for Domestic purpose; 1.5 KLD is used for Green belt purpose.

ii. Garland drain and Siltation ponds of appropriate size should be constructed for the working pit to arrest flow of silt and sediment. The water so collected should be utilized for watering the mine area, roads, green belt development etc. The drains should be regularly delisted, particularly after monsoon, and maintained properly. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.

iii. The proponent of the mine shall take all possible precautions to prevent or reduce the discharge of toxic and objectionable liquid effluents from mine, workshop, tailing ponds into surface bodies, ground water aquifer and useable lands to a minimum. The effluents shall be suitably treated, if required, to conform to the general standards notified under Environmental (Protection) Act, 1986. Prior concurrence of Regulatory Authority concerned shall be taken for this activity before taking up mining.

iv. Monitoring of ground water level and quality should be carried out

Department. The proponent of mine shall carry mining operations in such a manner so as to cause least damage to the flora of the mining area and nearby areas. He shall take immediate measures for planting in the same area or any other area selected by authorities not less than twice the number of trees going to be felled by mining operations. He shall also take measures for restoration of other flora /fauna if damaged by mining operations. In case any felling or damage to fauna and flora is involved, prior permission shall be taken from the concerned regulatory authority, by the proponent, without which mining shall not be taken up.

iii. Effective safe guard measures such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of SPM and RSPM such as haul road, loading and unloading point and transfer points. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard. Prior concurrence of regulatory Authority must be obtained by the proponent

iv. The proponent of mine shall carry air quality monitoring in the core zone as well as buffer zone for RSPM and Noise levels. Location of monitoring stations should be decided based on the metrological data topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with Andhra Pradesh Pollution Control Board. The data so recorded should be regularly submitted to the Ministry including its Regional office located at Chennai and the Andhra Pradesh Pollution Control Board/Central Pollution Control Board once in six months. Prior concurrence of regulatory Authority must be obtained by the proponent.

v. The proponent shall construct graded roads connecting the mining area to the nearby roads to avoid dust nuisance due to vehicular movements. Prior concurrence of regulatory Authority must be obtained by the proponent.

vi. The proponent shall take precautions against noise arising out of mining operations and shall be abated or controlled at the source so as to keep it within the permissible limits notified under Environmental (Protection) Act, 1986 / Noise Pollution (Regulations & Control) Rules, 2010 by implementing the following noise control measures.

- Proper and regular maintenance of vehicles and other equipment.

existing buffer zone plantation should not be disturbed.

vii. The proponent shall take dust suppression measures to meet the CPCB stipulated ambient air quality standards at any point of time.

viii. The proponent shall carryout suppression of dust generated due to transport vehicles by continuous water spraying using tankers.

ix. The vehicles carrying the mines material shall be covered with tarpaulin during vehicular movement.

x. The project proponent shall not use village road/ canal bund roads for mineral transportation purpose.

xi. The project proponent shall restrict vehicles movement during the peak hours to avoid accidents.

xii. The project proponent shall restrict the load of the transport vehicles not more than 21 tons to avoid road damages and dust nuisance to surroundings.

xiii. The Project Proponent (PP) shall regularly upload the half-yearly compliance reports.

xiv. The PP shall complete the entire greenbelt development within the first year itself and ensure its maintenance throughout the lease period.

xv. The project proponent shall follow the order of National Green Tribunal passed in O.A.No.304/2019.

xvi. The project proponent shall maintain the setback distance 7.5 meters buffer zone all around the mine lease area for greenbelt development and other conditions are to be fulfilled.

xvii. The avenue plantation with tall plants of at least 1.5m height for 1 km length of the approach road on either side of the road is to be developed and maintained. The Entire greenbelt should be developed in the first year itself.

xviii. The proponent is advised to ensure safety to animal and public life.

Part B. Specific Conditions:

1. Air Pollution:-

i. a. Suitable mining methods shall be adopted to control dust emissions, as per approved mining plan and EMP/EIA.

b. The proponent shall comply with the mining methodology mentioned in approved mining plan and Form1.

ii. Greenbelt shall be developed along the boundary of mining lease area and also in back filled and reclaimed areas with tall growing native species in consultation with the local DFO/Agriculture

9. The project proponent shall restrict the load of the transport vehicles not more than 21 tons to avoid road damages and dust nuisance to surroundings.
10. The Project Proponent (PP) shall regularly upload the half-yearly compliance reports.
11. The PP shall complete the entire greenbelt development within the first year itself and ensure its maintenance throughout the lease period.

The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on **22.08.2025** examined the proposal and the recommendations of SEAC **and decided to accept SEAC recommendations aforesaid for strict compliance by the proponent and to issue Environmental Clearance.**

The SEIAA, A.P hereby accords Environmental Clearance to the project as mentioned at Para No. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following conditions:

Part A. Special Conditions:

i. The proposal shall not violate the provisions of the following Acts & Rules and subsequent amendments:

a. Forest Conservation Act 1980,
b. Wild Life (Protection) Act,1972;
c. CRZ Notification, 2011;
d. The Eco sensitive areas as notified under Environment (Protection) Act,1986;
e. Critically polluted areas as notified by CPCB and also shall not harm live stocks and human beings and disturb their activities.

ii. The total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan.
iii. The project proponent shall allocate Rs. 4.18 Lakhs as capital cost and Rs. 4.97 Lakhs as a recurring cost budget for the EMP. The proponent volunteered to provide 2 lakhs as a part of Corporate Social Responsibility (CSR) activity and shall maintain till the life of the mine.
iv. The project proponent shall comply with the proposals furnished in the Environmental management plan.
v. The project proponent shall develop greenbelt along approach roads & village Roads.
vi. The project proponent shall maintain 7.5 mt greenbelt in buffer zone and

issued by the Department of Mines & Geology, there are no existing quarry leases within the radius of 500 mtrs area. The total applicable cluster area is < 5.0 Ha.

i. As per the approved mining scheme dt. 19.09.2024, the total available mineral reserves are 5,64,680.8322 m3. The proponent proposed to excavate Building Stone –1,88,226 m^3/annum. The Life of the mine is 3 years.

j. The Department of Mines and Geology vide letter dt. 01.10.2024 issued production and dispatch details letter and permits are within limits only.

ii. The project proponent informed that they have allocated Rs. 4.18 Lakhs as capital cost and Rs. 4.97 Lakhs as a recurring cost budget for the EMP. The proponent volunteered to provide **2 lakhs** as a part of Corporate Social Responsibility (CSR) activity and shall maintain till the life of the mine.

The project proposals, presentations, mining plan, MoEF&CC Notifications & OMs and detailed deliberations, recommended SEIAA to issue Environmental Clearance expansion for the mining of Building Stone – from 12,450 m^3/annum to 1,88,226 m^3/annum over a period of 3 years, covering an area of 2.024 hectares, in favour of M/s. Adani Gangavaram Port Limited, at Old Sy No. 274, (New Sy No. 307) Pedagantyada Village and Mandal, Visakhapatnam District. The recommendation is subject to the following additional conditions:

1. The project proponent shall comply with the proposals furnished in the Environmental management plan.
2. The project proponent shall develop greenbelt along approach roads & village Roads.
3. The project proponent shall maintain 7.5mt greenbelt in buffer zone and existing buffer zone plantation should not be disturbed.
4. The proponent shall take dust suppression measures to meet the CPCB stipulated ambient air quality standards at any point of time.
5. The proponent shall carryout suppression of dust generated due to transport vehicles by continuous water spraying using tankers.
6. The vehicles carrying the mines material shall be covered with tarpaulin during vehicular movement.
7. The project proponent shall not use village road/ canal bund roads for mineral transportation purpose.
8. The project proponent shall restrict vehicles movement during the peak hours to avoid accidents.

Notification, 2006 and its amendments thereof. The State Level Expert Appraisal Committee (SEAC) examined the application, in its meeting held on **30.07.2025**.

Minutes of SEAC Meeting:

Category: B2.

The proposed project is for enhancement mining of Building Stone in an area of 2.024 Ha. with a proposed production quantity of Building Stone – from 12,450 m^3/annum to 1,88,226 m^3/annum with a condition that the total production during a scheme should be limited to the approved quantity as per Mining scheme/ plan.

The proposed project falls under Item No. 1(a) of the schedule of the EIA Notification 2006 and its amendments thereof - (i). Mining of minerals (≤250 ha of mining lease area in respect of non-coal mine lease).

The project proponent and their consultant, M/s. SV Enviro Labs & Consultants have attended the meeting and presented their proposal. The SEAC Committee noted that:

a. The SEIAA, A.P vide order dt. 29.07.2021 issued Environmental clearance to M/s. Gangavaram Port Limited., for mining of Rough Stone 12450 m^3/annum.
b. The SEIAA, A.P vide order dt. 13.02.2025 transferred EC order in the name of M/s. Adani Gangavaram Port Limited.
c. Now, the project proponent applied for Expansion of Environmental clearance.
d. "The committee noted that, as per the Office Memorandum dated 08.06.2022, submission of a Certified Compliance Report (CCR) is mandatory for existing projects undergoing expansion. Hence, committee directed PP to submit CCR.
e. The Committee after examining the project proposals, presentations, mining plan, MoEF&CC Notifications & OMs and detailed deliberations, recommended to raise ADS for CCR Report.
f. Accordingly, the PP submitted ADS reply and again, proposal is placed in 269th SEAC meeting. The committee noted that:

- The Project Proponent (PP), vide letter dated 27.06.2025, submitted a certified compliance report issued by the Integrated Regional Office (IRO), Vijayawada.

g. The Department of Mines and Geology issued Transfer of work order vide order dt. 03.10.2024, which is valid upto 05.03.2029.
h. The Committee noted that as per the cluster letter dt. 06.12.2024

State Level Environment Impact Assessment Authority (SEIAA)
Andhra Pradesh
Ministry of Environment, Forests & Climate Change
Government of India
3rd Floor, AP MARKFED Building,
APIIC Colony Road, Auto Nagar, Vijayawada-520007.

Order No. SEIAA/AP/MIN/EC/VS/04/2025/1340/269.45&269.21

Sub: SEIAA, A.P. – 2.024 Ha, Building Stone Mine of M/s Adani Gangavaram Port Limited at Old Sy No. 274, (New Sy No. 307) of Pedagantyada Village and Mandal, Visakhapatnam District, Andhra Pradesh – Environmental Clearance – Expansion - Issued – Reg.

I. This has reference to your application submitted through online on 09.04.2025 (SIA/AP/MIN/544416/2025) and Clarification submitted on 25.07.2025, seeking Environmental Clearance for Expansion to the 2.024 Ha, Building Stone at Old Sy No. 274, (New Sy.No. 307) of Pedagantyada Village and Mandal, Visakhapatnam District, Andhra Pradesh in favour of M/s Adani Gangavaram Port Limited. It was reported that the nearest human habitation viz., Gangavaram (V) exists at a distance of about 0.61 km from the mine lease area. It was noted that the capital investment of the project is Rs. 67.0 Lakhs and capacity of the project is as follows:

Expansion of Building Stone Mining from 12,450 m^3/annum to 1,88,226 m^3/annum in 2.024 Ha

II. As seen from the Mining plan approved by the competent Government Authority the following two aspects are noted.

i. The location of the mine is as follows:

BP. No	Latitude (N)	Longitude (E)
P1	17°38'18.7"N	83°14'16.9"E
P2	17°38'17.7"N	83°14'18.3"E
P3	17°38'12.1"N	83°14'13.4"E
P4	17°38'14.6"N	83°14'9.8"E

ii. It is an open cast Semi-mechanized mine. Life of the Mine is 3 years. The total mine lease area is 2.024 Ha.

The proposal has been examined and processed in accordance with EIA

File No: AP MIN EC VS 04 2025 1340

Government of India

Ministry of Environment, Forest and Climate Change

(Issued by the State Environment Impact Assessment Authority(SEIAA), ANDHRA PRADESH)

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Dated **02/09/2025**

To,

Anil Kumar Trivedi
ADANI GANGAVARAM PORT LIMITED
ADANI CORPORATE HOUSE Shantigram, Near Vaishnodevi circle, SG Highway,
Khodiyar,Ahmedabad, AHMADABAD, GUJARAT, 382421
environment.agpl@adani.com

Subject: Grant of EC under the provision of the EIA Notification 2006-regarding.

Sir/Madam,

This is in reference to your application for Grant of EC under the provision of the EIA Notification 2006-regarding in respect of project Adani Gangavaram Port Limited submitted to Ministry vide proposal number SIA/AP/MIN/531283/2025 dated 09/04/2025.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC25C0108AP5449959N
(ii) File No.	AP MIN EC VS 04 2025 1340
(iii) Clearance Type	EC
(iv) Category	B2
(v) Project/Activity Included Schedule No.	1(a) Mining of minerals
(vii) Name of Project	Adani Gangavaram Port Limited
(viii) Name of Company/Organization	ADANI GANGAVARAM PORT LIMITED
(ix) Location of Project (District, State)	VISAKHAPATANAM, ANDHRA PRADESH
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions	no
(xii) Applicability of Specific Conditions	no

N/A