

Ref. No. AKPL/EHS-EC/MoEF&CC/93/2025-26

Date: 21.11.2025

To

Integrated Regional Office (IRO),
Ministry of Environment, Forests & Climate change (MoEF & CC),
Green House Complex, Gopal Reddy Road,
Vijayawada, Andhra Pradesh, 520010.

Dear Sir,

Sub:- Submission of Half yearly compliance report on conditions of Environmental and CRZ clearances for phase I, II & III Development at Adani Krishnapatnam Port for the period of April'2025 to September'2025 - Reg.

- Ref:-**
1. EC & CRZ for Phase I of Krishnapatnam Port Lr. No: 10-22/2005-IA-III dated 26.07.2006
 2. MoEF EC & CRZ Clearance Order F. No. 11 – 62 / 2009 – IA.III dated 13.11. 2009 extended vide Oder dated 18.08.2015 & 16.04.2018 and amended order dated 16.3.2016.
 3. EC & CRZ for Phase III of Krishnapatnam Port Lr. No: 10-18/2016-IA-III dated 11.01.2021.
 4. APCZMA – NOC vide letter no.202/CRZ/IND/2019-30 dated 21.05.2020
 5. APPCB CTE Order No: 633/APPCB/CFE/RO-NLR/HO/2010 Dt.25.02.2021 and amended order dated 06.04.2021 & 16.07.2021.
 6. APPCB CTO & HWA Order No: APPCB/VJA/NLR/11344/CFO/HO/2019 dated 11/11/2022 valid up to 31.08.2027.

As per Standard condition XI, Miscellaneous condition no. (iv) of the EC & CRZ Clearance and General condition No. 52 of the Consent to Operate (CTO) cited

"The port shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance (EC), Consent for Establishment (CFE) and Consent for Operation (CFO) through website i.e., <https://pcb.ap.gov.in> by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the port and second half yearly compliance reports shall be the audited through MoEF & CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party."

Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

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Ports and
Logistics

With reference to the above, we are herewith submitting the First half yearly compliance report of Phase I, II & III developments of Adani Krishnapatnam port limited along with Environmental Monitoring reports for the period of April 2025 to September 2025.

Thanking You,

Yours Faithfully,
For **M/s Adani Krishnapatnam Port Limited,**



(Authorized Signatory)

Encl: a/a

1. Copy submitted to the Environment Engineer, A.P Pollution control Board, Regional Office, SPSR Nellore for kind information.

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PO Bag No 1, Muthukur Mandal,
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ADANI KRISHNAPATNAM PORT LIMITED



**Ports and
Logistics**

**Half Yearly Compliance Report On
Conditions Stipulated in Environmental & Coastal Regulation
Zone (EC & CRZ) Clearance
April'2025 to September' 2025**

Compliance on the conditions stipulated in EC & CRZ Clearance vide MoEF & EC Order No.10-22/2005-IA-III dated 26.07.2006. (For Phase – 1).

S. No	MoEF Stipulations	Compliance Status
(A) Specific Conditions		
1.	All the conditions stipulated by Andhra Pradesh State Pollution Control Board in their letter Order No. APPCB/VJA/NLR/633/HO/2004/9/467, dated 25.05.2004 should be strictly implemented.	The conditions stipulated by Andhra Pradesh State Pollution Control Board in their letter Order No. APPCB/VJA/NLR/633/HO/2004/9/467, dated 25.05.2004 are being complied with the conditions.
2.	Detailed plan for protection of the 9 acres of the mangroves should be provided.	Complied. ➤ 9 Acres of mangroves are under protection. ➤ Display boards and fencing have been erected to protect the mangrove area. ➤ The Mangrove Mapping study was carried out by NIOT, Chennai in the year 2017-18, 2019 and reported that no adverse impacts observed on the existing mangroves. ➤ A latest study for Mangrove Mapping and carbon sequestration was carried out by Falcon Resilient Infra Consultants, Hyderabad in the month of October – 2024 and reported that no adverse impacts observed on mangroves.
3.	The fisherman and salt pan workers should be rehabilitated as per the Rules of Government of Andhra Pradesh.	Complied. ➤ Rehabilitation (R&R) of fishing villages was carried out by Government of Andhra Pradesh (GoAP) as per government norms. ➤ R&R package to displaced families and a Project Affected Families were implemented by the GoAP Vide letter No. 2736/P.I(1)/2007. ➤ The total number of 450 Fishermen families Rehabilitated by GoAP. Copy attached as Annexure 1

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4.	Adequate shore protection measures, including construction of revetments/rip-raps, should be taken up based on the scientific studies. The action plan for implementing the shore protection measures should be submitted to this Ministry within 6 months from the date of receipt of this letter.	Complied. ➤ Hydro dynamic studies were conducted by M/s. HR Wallingford, UK, ➤ Shore line monitoring & Marine biodiversity studies are being carried out regularly for shore protection. ➤ M/s. Indian National Centre for Ocean Information Services (INCOIS), Hyderabad has been monitoring using satellite imagery ➤ As per the INCOIS Report for the period October 2008 to January 2010, the coastline is found to be stable. ➤ Long time Shore line stability study was conducted by NIOT, Chennai in 2017-18, 2019. ➤ Based on this study report coastal line is found to be stable and "cause negligible impacts on the environment". ➤ AKPL appointed NIOT for shoreline stability study and same report as submitted on 16.04.225 to APPCB, RO Nellore with vide letter no. AKPL/EC/ENV/007/2025-26 dated 09.04.2025 and same is attached as Annexure 2
5.	Green belt area should be developed along the project and budget earmarked.	Complied. Greenbelt developed as per the budget earmarked. ➤ At present Green belt of 222.16 Ha developed along the port boundary, around coal yards. ➤ Budget spent towards green belt area development for FY 23 -24 is 78.90 Lakhs & FY 24-25 is 82.41 Lakhs. ➤ List of the species planted Kadamba, Badam, Tabebuia argentea, Polyalthia longifolia. Spathodea campanulata, Samanea saman, Mangifera indica, Psidium guava, Bougainvillea, Pheonix palm, Ixora chinensis rosea, Pandanus Veitchi, Cocos Nucifera, Allamanda nerifolia, Bougainvillea Pedilanthus, Cassia fistula, Peltophorum, Cassia

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		siamea, Delonix regia, Hibiscus rosa-sinensis, Clitoria ternatea, Casuarina Equisetifolia. ➤ Latest Greenbelt Drawing is attached as Annexure 3
6.	For rail and road connectivity of the project, separate application should be submitted to this Ministry.	Noted & complied. R & B Department, GoAP Accorded permission for Rail and Road Connectivity vide letter no.182/K.P.Port/ATO/04 Dt.22.07.2005 which is the concern permitted authority. 4lanes Road connectivity of 23 kms (Feasible to widen to 6 lanes) from the NH-16 to the krishnapatnam Port is developed by GoAP. Copy attached as Annexure 4
7.	The Bay is reported to be calm for most of the days of the year. Even on the day of the visit, having a deep depression in South-West Bay of Bengal, the basin was calm, though the Bay experienced high waves. Hence, dredging operation in the estuary should not have any adverse impact on the existing mangroves blocks.	Being Complied. ➤ The Mangrove Mapping study was carried out by NIOT, Chennai in the year 2017-18, 2019 and 2019 and reported that no adverse impact observed on the existing mangroves. ➤ Dredging has been carried out in a phased manner without disturbing the existing mangroves. ➤ Latest Studies were also conducted by NCSCM during May 2022 & 2023 and reported that this condition is complied with. ➤ NCSCM is Monitoring the Land, Air quality, Noise, Water, Marine, Marine sediment parameters and mangroves, ones in four years. ➤ NCSCM report submission in APPCB RO Nellore with vide letter no. AKPL/EC/APPCB/1252024-25 dated 09.01.2025. The copy of Acknowledgement is attached as Annexure 5
8.	During the rough weather, resulting in high flood tides, dredging operation in the estuary should be stopped.	Noted & Being Complied. ➤ No dredging activity is carried out during high flood tides & during rough weather conditions.

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9.	Regarding the location of stock yard in the salt pan area to be acquired, the proponent should not take up any developmental works in the mangrove area and should ensure that no destruction of mangroves takes place.	Noted & Being Complied Salt pan lands are yet to be transferred on lease by GoAP. The Mangroves area is left untouched, and no developmental activities is carried in the Mangroves area.
10.	A disaster management plan covering emergency evacuation mechanism etc., to deal with natural disaster events should be prepared and furnished to the Ministry.	Complied. ➤ DMP covering emergency evacuation mechanisms etc., to deal with natural disasters was prepared and submitted to the Ministry vide letter No. KP/MOEF/275 dated 11.07.2008 same as regularly updated. ➤ Latest DMP update copy submitted to District Magistrate office on 30.08.2024. ➤ The last update was on 30.08.2024 and submitted to Collector & District Magistrate and MoEF&CC along with six monthly compliance report vide letter No. AKPL/CORPORATE AFFAIRS/DMP/071/2024-25 (Oct'24 to Mar'25) on 30.05.2025. Copy attached as Annexure 6
11.	The company must take up and earmark adequate funds for the socio-economic development and for welfare measures in the area including drinking water supply, vocational training, and fishery	Being Complied. ➤ As part of CSR socio economic development schemes and welfare measures in the form of Roads, Drains, drinking water supply by providing tankers and overhead tanks, sanitation and public health, roads and street lighting in the R&R Colonies, educational assistance, women empowerment etc., are being taken up for the neighborhood villages covering with adequate funds earmarked for the same. ➤ For the FY 24-25 AKPL has spent 674.32 Lakhs towards CSR Socio economic development schemes and welfare measures. ➤ For the FY 25-26 AKPL has spent 212.69 Lakhs (10th Nov 2025) towards CSR Socio economic development schemes and

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		welfare measures. The CSR report for the period of April'25 to September'25 along with photographs are attached as Annexure 7
12.	The fishing activities by the fishermen living in the settlement along the creek should not be hindered and a mechanism may be evolved for the movement of fishing boats vis-a-vis shipping activities.	Being complied. ➤ The fisherman has been rehabilitated by the GoAP. Mechanism for the movement of fishing boats vis-à-vis shipping has evolved keeping in mind the safety, security, ISPS and customs requirements and is being followed to ensure no hindrance to fishermen.
13.	The Relocation of the fishermen and local communities in the area should be done strictly in accordance with the norms prescribed by the State Government. The relocated communities should be provided with all facilities including health care, education, sanitation and livelihood.	Complied. ➤ R&R package to the displaced families and a Project Affected Families were implemented by the GoAP. ➤ AKPL provided infrastructure facilities under CSR activities at the Rehabilitation Colony in the form of development of Roads, Drains, drinking water supply, supply of cooking gas, housing, educational assistance, student hostels, old age homes, financial aid, imparting vocational trainings, women empowerment and public health, Malaria Control measures, Medical and Health camps. ➤ The CSR report for the period of April'25 to September'25 along with photographs are Attached as Annexure 7
14.	The company should take up green belt program in the project area including an ecological park and the plan may be submitted to the Ministry within one year.	Being Complied. ➤ In Phase I & II AKPL has developed 191.5 Ha. ➤ In Phase III expansion so far, we developed 30.66 Ha. ➤ Total greenbelt developed in an extent of 222.16 Ha (September'25) ➤ Developed block plantation along with along port boundary, 100 m width coastal plantation, plantation roads and, around coal yards and avenue, median

S. No	MoEF Stipulations	Compliance Status
		plantations all along the internal road networks. Ecological Park developed. ➤ Latest Green Belt Drawing is attached as Annexure 3
15.	The company may suitably modify the alignment of channel entrance including its width, turning circle, taking into consideration the wave traversal, its intensity etc., to facilitate smoother navigation of ships.	Complied. ➤ The channel alignment for well-ordered ship navigation is designed based on navigation simulation studies dated March 2009 by M/s. HR Wallingford, UK.
16.	The breakwater alignment and its design should be further modified based on relevant model studies, borehole data etc., keeping in view the tranquility condition required for berthing and maneuvering of ships and subsequent cargo handling operations.	Complied. ➤ The alignment and design of breakwaters are firmed up based on geotechnical investigations, stability analysis, Numerical model studies undertaken by M/s. HR Wallingford, UK. ➤ 3D model studies of tranquility conducted at Lanka Hydraulic Laboratories, Sri Lanka and Physical model studies of breakwaters at IIT Chennai.
17.	The height of dumping in the dumping site should be restricted to 30 cm against 90 cm proposed.	Complied. ➤ The bathymetry of dumping site is being monitored periodically to avoid build up.
18.	The project proponent will not undertake any destruction of mangroves during construction and operation of the project.	Complied. ➤ Existing mangrove areas are being protected and conserved with suitable barricading, erection of display boards and ensuring the tidal flow exchange. ➤ Display boards and fencing have been arranged to protect the mangrove area. ➤ The Mangrove Mapping study was carried out by NIOT, Chennai in the year 2017-18, 2019 and reported that no adverse impact observed on the existing mangroves. ➤ A latest study for Mangrove Mapping and carbon sequestration was carried out by Falcon Resilient Infra Consultants, Hyderabad.
19.	Sewage arising in the port area should be disposed off through septic tank – soak pit system or should be treated along with the industrial effluents to conform to the standards stipulated	Complied ➤ AKPL has been operating 2 No. of Sewage Treatment Plants (STP) 1 X 500 KLD & 1 X 40 KLD for treatment of sewage generated in the port.

S. No	MoEF Stipulations	Compliance Status																											
	by Andhra Pradesh Pollution Control Board and should be utilized/ re-cycled for gardening, plantation and irrigation.	➤ Treated wastewater from STP is being utilized for the green belt within port premises. <table border="1"> <thead> <tr> <th>Month</th><th colspan="2">STP Treated water Quantity (KL)</th></tr> <tr> <th></th><th>Admin Building</th><th>CVR Complex</th></tr> </thead> <tbody> <tr> <td>April'25</td><td>383</td><td>3760</td></tr> <tr> <td>May'25</td><td>421</td><td>3809</td></tr> <tr> <td>June'25</td><td>294</td><td>4445</td></tr> <tr> <td>July'25</td><td>403</td><td>3968</td></tr> <tr> <td>August'25</td><td>279</td><td>4141</td></tr> <tr> <td>September'25</td><td>345</td><td>3616</td></tr> <tr> <td>Average KL/M</td><td>354.17</td><td>3956.5</td></tr> </tbody> </table>	Month	STP Treated water Quantity (KL)			Admin Building	CVR Complex	April'25	383	3760	May'25	421	3809	June'25	294	4445	July'25	403	3968	August'25	279	4141	September'25	345	3616	Average KL/M	354.17	3956.5
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20.	Adequate plantation should be carried out along the roads of the Port premises and a green belt should be developed.	Being Complied. ➤ Development of Greenbelt is a regular process in AKPL. ➤ In Phase I & II AKPL has developed 191.5 Ha. ➤ In Phase III expansion so far, we developed 30.66 Ha. ➤ Total greenbelt developed in an extent of 222.16 Ha.(Upto September'25) ➤ Budget spent towards green belt area development for FY 23 -24 is 78.90 Lakhs & FY 24-25 is 82.41 Lakhs. ➤ List of the species planted Kadamba, Badam, Tabebuia argentea, Polyalthia longifolia. Spathodea campanulata, Samanea saman, Mangifera indica, Psidium guava, Bougainvillea, Pheonix palm, Ixora chinensis rosea, Pandanus Veitchi, Cocos Nucifera, Allamanda nerifolia, Bougainvillea Pedilanthus, Cassia fistula, Peltophorum, Cassia siamea, Delonix regia, Hibiscus rosa-sinensis, Clitoria ternatea, Casuarina Equisetifolia. ➤ 150 No. of local manpower are being engaged for the Development and																											

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		maintenance of the Green Belt in the project. Latest Green Belt Drawing is attached as Annexure 3
21.	Project proponent should prepare and regularly update the Disaster Management Plan from time to time.	Complied. DMP is regularly being updated from time to time. Latest DMP update copy submitted to District Magistrate office on 30.08.2024. ➤ The last update was on 30.08.2024 and submitted to Collector & District Magistrate and MoEF&CC along with six monthly compliance report vide letter No. AKPL/CORPORATE AFFAIRS/DMP/071/2024-25 (Oct'24 to Mar'25) on 30.05.2025. Copy attached as Annexure 6
22.	Fire Fighting arrangements are examined to the new proposal.	Complied. ➤ Port has developed dedicated firefighting system with required equipment and trained professionals. ➤ Developed Fire contingency plan and implemented the same. ➤ Port Tugs are also having firefighting equipment. ➤ AKPL has obtained Fire NOC from consent department for within the premises of the port. ➤ Copy of approvals are attached as Annexure 8
23.	There should be no withdrawal of ground water in CRZ area, for this project. The proponent should ensure that as a result of the proposed constructions, ingress of saline water into ground water does not take place. Piezometers should be installed for regular monitoring for this purpose at appropriate locations on the project site.	Complied. ➤ There is no withdrawal of ground water. ➤ AKPL is meeting operational water requirement from Nakkala kalava Permission of the same is enclosed as Annexure 10 ➤ Piezometer (Automatic water level monitoring system including temperature monitoring) has been installed at port and regular monitoring being carried out with NABL Accredited Laboratory.

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		➤ Half yearly monitoring reports being submitted to MoEF&CC regional office. ➤ AKPL has obtained permission from GoAP and valid NOC dated 17.06.2025 from Ground water and water audit department for withdrawal of ground water in Non CRZ area. ➤ Copy of the approval is attached here with as Annexure 9																														
24.	The project should not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/Electricity Department.	Complied. ➤ Port has obtained required necessary permissions like water supply from water resources department AP and electrical supply permission from APSPDCL. Copy of the same attached as Annexure 10																														
25.	Specific arrangements for rainwater harvesting should be made in the project design and the rainwater 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. ➤ Rainwater harvesting ponds and guard ponds have been developed with capacity of 1.63 lakh m³ at various locations in Port premises. <table border="1"> <thead> <tr> <th>Rainwater Harvesting Ponds</th><th>No. of Ponds</th><th>Capacity (Cubic Meter)</th></tr> </thead> <tbody> <tr> <td>Northwest of the Port - Level crossing 2 (LC 2) Pond</td><td>2</td><td>8470</td></tr> <tr> <td>Coal yard Zone 5 Pond 1</td><td>2</td><td>3200</td></tr> <tr> <td>Coal yard Zone 4 Pond</td><td>1</td><td>2000</td></tr> <tr> <td>Coal yard Zone 6 Pond 1</td><td>2</td><td>60000</td></tr> <tr> <td>Zero Point Pond</td><td>1</td><td>150</td></tr> <tr> <td>Natural Pond NEC Road</td><td>1</td><td>70000</td></tr> <tr> <td>NEC 1 railway Siding pond</td><td>1</td><td>10500</td></tr> <tr> <td>Pond Opposite to Berth No. 8</td><td>1</td><td>10500</td></tr> <tr> <td>South Thamminapatnam CAAQM 2</td><td>1</td><td>2000</td></tr> </tbody> </table>	Rainwater Harvesting Ponds	No. of Ponds	Capacity (Cubic Meter)	Northwest of the Port - Level crossing 2 (LC 2) Pond	2	8470	Coal yard Zone 5 Pond 1	2	3200	Coal yard Zone 4 Pond	1	2000	Coal yard Zone 6 Pond 1	2	60000	Zero Point Pond	1	150	Natural Pond NEC Road	1	70000	NEC 1 railway Siding pond	1	10500	Pond Opposite to Berth No. 8	1	10500	South Thamminapatnam CAAQM 2	1	2000
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26.	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 conditions. AKPL has ensured that all facilities constructed strictly conform to the provisions of the CRZ Notification, 1991 and its subsequent amendments.								
27.	Green buffer zone should 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.	Being Complied. ➤ Development of Greenbelt is a regular process in AKPL. ➤ As of now, the greenbelt developed to an extent of 222.16 Ha (September'25) ➤ Maintaining greenbelt of 100 m width along the periphery. ➤ Developed 3.5 Ha of greenbelt near liquid jetty area in phase III along the shoreline boundary. ➤ Maintaining 20-meter width greenbelt around the coal stack yards. ➤ List of the species planted Kadamba, Badam, Tabebuia argentea, Polyalthia longifolia. Spathodea campanulata, Samanea saman, Mangifera indica, Psidium guava, Bougainvillea, Pheonix palm, Ixora chinensis rosea, Pandanus Veitchi, Cocos Nucifera, Allamanda nerifolia, Bougainvillea Pedilanthus, Cassia fistula, Peltophorum, Cassia siamea, Delonix regia, Hibiscus rosa-sinensis, Clitoria ternatea, Casuarina Equisetifolia. ➤ Latest Green Belt drawing attached as Annexure 3								

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28.	No product other than those permissible in the Coastal Regulation Zone Notification, 1991 should be stored in the Coastal Regulation Zone area.	Noted and being Complied. AKPL abides with Coastal Regulation Zone Notification, 1991.									
(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 the concerned State Government Departments / Agencies	Complied. ➤ The constructions designs /drawings are in conformity to the detailed project reports approved by GoAP and consistent with the CRZ Notification.									
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. ➤ Adequate provisions including water supply, fuel and sanitation were ensured for workers at the time of construction. ➤ The construction of Phase-I development was completed on 01.09.2009 and commercial operations started on 20.03.2009 and commercial operations started after obtaining CTO from APPCB vide letter dated APPCB/VSP/VJA/NLR/633/CFO/HO/2009									
3.	The project authorities must take necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper waste water 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	Complied. Solid waste has been collected, segregated and disposed as below <table border="1"> <thead> <tr> <th>S. No</th><th>Material</th><th>Methods of Disposal</th></tr> </thead> <tbody> <tr> <td>1</td><td>Biodegradable waste</td><td>Canteen waste: Composting & used as manure/sand to pig-farms</td></tr> <tr> <td>2</td><td>Non-Biodegradable waste</td><td>Disposal to appropriate recyclers</td></tr> </tbody> </table>	S. No	Material	Methods of Disposal	1	Biodegradable waste	Canteen waste: Composting & used as manure/sand to pig-farms	2	Non-Biodegradable waste	Disposal to appropriate recyclers
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	(Protection) Act, 1986, whichever are more stringent.	3	Used Oils/Used Batteries	Used oil is being disposed of to APPCB Authorized vendors through APEMCL portal. Batteries are procured on buy back basis and																											
		➤ Operating 2 No. of STPs (1 X 500 KLD & 1 X 40 KLD) outside the CRZ area. ➤ Appointed an NABL accredited agency to carry-out Terrestrial & Marine Monitoring and STP inlet & outlet sample analysis. ➤ Submitting the report to APPCB on monthly basis & on Half-yearly basis to MoEF & CC. ➤ Treated water is being used for Green Belt development.																													
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4.	The proponents should 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. ➤ AKPL has been Operating 2 No. of STPs (1 X 500 KLD & 1 X 40 KLD) outside the CRZ area. ➤ Environmental Monitoring is being carried out through an NABL accredited agency and approved by MoEF&CC. Results of monitoring conform to norms and periodical Monitoring Reports are being submitted to APPCB regularly. ➤ Treated water is being used for Green Belt development.																													

S. No	MoEF Stipulations	Compliance Status																													
		<table><tr><th>Month</th><th colspan="2">STP Treated water Quantity (KL)</th></tr><tr><td></td><th>Admin Building</th><th>CVR Complex</th></tr><tr><td>April'25</td><td>383</td><td>3760</td></tr><tr><td>May'25</td><td>421</td><td>3809</td></tr><tr><td>June'25</td><td>294</td><td>4445</td></tr><tr><td>July'25</td><td>403</td><td>3968</td></tr><tr><td>August'25</td><td>279</td><td>4141</td></tr><tr><td>September'25</td><td>345</td><td>3616</td></tr><tr><td>Average KL/M</td><td>354.17</td><td>3956.5</td></tr></table>			Month	STP Treated water Quantity (KL)			Admin Building	CVR Complex	April'25	383	3760	May'25	421	3809	June'25	294	4445	July'25	403	3968	August'25	279	4141	September'25	345	3616	Average KL/M	354.17	3956.5
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		➤ Records were being maintained and made available for statutory Authorities during their visits. ➤ Latest Monitoring submitted to APPCB in the Month of October'25. Copy Of same is attached as Annexure 11																													
5.	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. ➤ AKPL appointed NABL accredited Laboratory of SV Enviro for environmental monitoring and reports are being submitted to statutory bodies. ➤ AKPL is having inhouse laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters. ➤ The consolidated Environment Monitoring Report for the period from Apr'25 to Sep'25 is included in this report attached as Annexure 12																													
6.	The sand dunes and mangroves, if any, on the site should not be disturbed in any way.	Noted and being Complied. Display boards and fencing have been erected to protect the mangrove area.																													
7.	A copy of the clearance letter will be marked to the concerned Panchayat/local NGO, if any, from whom any suggestion/ representation	Complied. ➤ Copies of Environmental Clearance letters were submitted to Sarpanch, Krishnapatnam Grama Panchayat, Nellore and to the President, Nellore District																													

S. No	MoEF Stipulations	Compliance Status
	has been received while processing the proposal.	Mechanized Fishing Boat Operators Association on 10.08.2006.
8.	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.	Point is Noted
9.	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.	Complied ➤ The Funds & Expenditure earmarked for environment protection measures are being reported in Form – V Environmental Statement and Submitting the same to APPCB Annually. ➤ In FY 24-25 AKPL has spent Rs. 20.82 crores towards environment protection measures. ➤ Latest Form – V submitted on 16.07.2025 for FY 2024-2025. Copy attached as Annexure 13
10.	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.	Noted and being complied. Senior Officials of APPCB are inspecting AKPL on 6 Monthly basis to verify the compliance status under Random Inspection of Industries during inspection period AKPL has been extending full cooperation to verify the compliance and submitting the documents requested.
11.	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.	Noted the condition.
12.	The 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.

S. No	MoEF Stipulations	Compliance Status
13.	The Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which should be complied with.	Noted the condition.
14.	The project proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which should 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.envfor.nic.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.	Complied. ➤ Advertisement was published in Local Newspaper Andhra Jyothi dated 11.08.2006. ➤ A copy of the advertisement was submitted to the Regional Office, Bangalore of MoEF vide Letter No.KP/MOEF/346 dated 23.08.2007.
15.	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.	Complied. Financial Closure was completed on 16.10.2006. Details were furnished to the MoEF&CC, Regional Office, Bangalore, vide our letter no. KP/MOEF/60 dated 16th Feb, 2007. Approval of the Project by GoAP: 17.09.2004 Start of Land Development June, 2006.
16.	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	Noted and being complied.

S. No	MoEF Stipulations	Compliance Status
	Regulation Zone Notification, 1991 and its subsequent amendments and the Public Liability Insurance Act, 1991 and the Rules made there under 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 18 th April, 1996 in the Writ Petition No.664 of 1993 to the extent the same are applicable to this proposal.	

6.2 Compliance Status of EC & CRZ Clearance F. No. 11 – 62 / 2009 – IA.III dated: 13th November 2009 (Phase II)

S.N o	MoEF Stipulations	Compliance Status
Specific Conditions		
1.	All the conditions as stipulated by the Forests & Environment Department, Govt. of Andhra Pradesh vide letter No.2286/CZMA/2009; dated 11.05.2009 shall be strictly complied.	Noted and being complied. The APCZMA recommended the project proposal to MoEF in this letter. All conditions stipulated therein are being strictly complied.
2.	All the details / information submitted by the project proponent vide letter No.KP/MOEF/PH-II/174, dated 17.08.2009 shall be strictly complied.	Complied. ➤ Southern Boundary of proposed dredge disposal area of Phase-II has been moved towards North to coincide with Northern Boundary of Phase-I dredge disposal area. ➤ Belt Conveyors and Road Bridge crossings have no impact on Mangroves. Railway Bridge Location is reworked to avoid disturbance to mangroves. ➤ M/s. Indian National Centre for Ocean Information Services (INCOIS) was engaged for coastal monitoring. As per their Report for 2008-10, the

S.No	MoEF Stipulations	Compliance Status
		port development has not impacted the coast. ➤ Runoff from coal storage yards is routed through peripheral drains, collection pits and guard (Dump) ponds with facility to recycle the water for dust suppression. ➤ AKPL appointed NIOT for shore line stability study and same report as submitted on 16.04.2025 to APPCB, RO Nellore. Letter vide no. AKPL/EC/ENV/007/2025-26 dated 09.04.2025. ➤ Acknowledgement of NIOT report attached Annexure 2
3.	The hydro-dynamic studies shall be undertaken to ascertain the impact to the shoreline in the stretch and ecologically sensitive areas and the report shall be submitted to the Ministry.	Complied. Hydro dynamic studies were conducted by M/s. HR Wallingford, UK. Shore line monitoring & Marine biodiversity studies are being carried out regularly for shore protection.
4.	Ministry has taken a decision that the plantation of mangroves shall be undertaken on an area of 50 ha. as the Phase-II of the project spreads over 800 ha.	Complied. Mangrove's development in 50 Ha. has been undertaken within the port. Adequate budget allocation is provided in the Environment Health and safety Plan for mangrove development as follows for the FY 2019-20 Rs. 6.80 Lakhs are budgeted towards mangrove protection. Photographs attached as Annexure 14
5.	Six monthly monitoring shall be carried out and a comparative analysis shall be made to examine for any mitigative measures required.	Being complied. Submitting the half yearly NABL Accredited 3rd Party Compliance Reports for the period from October'24 to March'25 along with Terrestrial & Marine Monitoring reports to MoEF & CC and APPCB on 30.05.2025.

S.No	MoEF Stipulations	Compliance Status
		Copies of the acknowledgments are attached as Annexure-15
6.	The temperature, salinity and tidal inflow shall be monitored weekly.	Complied. ➤ AKPL appointed a NABL Accredited SV enviro Laboratory to conduct Environmental Monitoring i.e., Terrestrial & Marine parameters. ➤ Monitoring is being carried out on a weekly basis. ➤ Summary analysis tables and trend analysis graphical representations are attached in report Annexure 12
7.	The greenbelt of 100 m. width shall be developed around the coal stack yard as per the request in the public hearing.	Complied. AKPL submitted a letter to MoEF&CC vide letter No.: KP/MOEF/113 dated 29.08.2012 to modify this condition. AKPL developed 100 m width green belt along the port boundary, coastal area and 20 m wide green belt around coal stack yards. During public hearing AKPL committed to develop 100m greenbelt around periphery and 20m around coal stock and same is compiled by AKPL which is available in records as Public hearing minutes of meeting. Copy of the letter is attached as Annexure-16
8.	Impact on the drawl of the water from the Kandaleru Creek shall be regularly monitored and report submitted to the Ministry.	Complied AKPL is not withdrawing water from Kandaleru Creek. Complying with the condition, the quality of water is being monitored, and the reports are being submitted to APPCB and MoEF&CC on half-yearly basis. Analysis reports are enclosed Annexure 12

S.No	MoEF Stipulations	Compliance Status
9.	Continuous monitoring on disposal of dredged material shall be put in place for both pre and post monsoon periods.	Complied. Bathymetry of the disposal area of dredged material, i.e., the dumping grounds are being monitored periodically for both pre and post monsoon periods.
10.	No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Being complied. AKPL has not constructed any constructional work other than permitted as per CRZ notification.
11.	Oil spills if any shall be properly collected and disposed as per the Rules.	Complied - Oil Spills are being managed as per the approved Oil Spill Contingency Plan. - AKPL has provided Oil Boom, Skimmer and chemicals to attend any accidental oil spills. - Staff was trained to meet Tier-I Oil spills. - As per Disaster Management Plan, Indian Coast Guard will be alerted to coordinate. - Details were furnished to the MoEF&CC Regional Office, Bangalore, vide our letter no. KP/MoEF/PH-II/20 dated 02.02.2010. Latest OPR drill was conducted at the port on 23.08.2025. Copy attached as Annexure 17.
12.	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. - The approach channel has been marked with lighted buoys for safe navigation. - Adequate traffic control guidelines were framed, and copy was submitted to the Fisheries Department to suitably inform fishermen.
13.	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. A separate Environmental Management cell was established headed by Vice President & supporting staff for effective

S.No	MoEF Stipulations	Compliance Status
		implementation of the stipulated environmental safeguard. Copy of Organogram of Environment Cell attached as Annexure 18
14.	No destruction of mangrove is permitted. 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.	Noted As per the EC of Phase-II development, the mangroves have been developed in the port for an area of 50 Ha. in the areas suggested by GoAP since the mangroves are highly sensitive to the soil conditions and grow only in specific areas. As per the Environment Health and Safety Plan for mangrove development, the annual budget allocated for mangrove protection is about Rs. 6.80 lakhs for the year 2019-20. Photographs attached as Annexure 14
15.	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Being complied. AKPL earmarked dedicated funds for environment management plan. Please find the last three years details. FY 2024-25- 20.82 Cr. FY 2023-24- 2.41 Cr. FY 2022-23- 17.38 Cr. FY 2021-22- 4.36 Cr. Copy attached as Annexure 13
16.	There shall be no withdrawal of groundwater in Coastal Regulation Zone area, for this project. In case any groundwater is proposed to be withdrawn from outside the CRZ area, specific prior permission from the concerned State / Central Groundwater Board shall be obtained in this regard.	Complied. No Ground water is extracted for port operations in CRZ area as per Coastal Regulation Zone.
17.	The Hazardous waste generated shall be properly collected and handled as per the provisions of Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2008.	Complied. Hazardous waste like used oils / grease and batteries are being collected and handled as per the provisions of Hazardous Waste (Management, Handling and Transboundary Movement) Rules, 2016 and their amendments.

S.No	MoEF Stipulations	Compliance Status
18.	The wastewater generated from the activity shall be collected, treated and reused properly.	Complied. - AKPL has been operating 2 No. of Sewage Treatment Plants (STP) 1 X 500 KLD & 1 X 40 KLD for treatment of sewage generated in the port. - The Treated water is being reused for the green belt within port premises.
19.	Sewage Treatment facility should be provided in accordance with the CRZ Notification.	Complied. AKPL has been operating 2 No. of Sewage Treatment Plants (STP) 1 X 500 KLD & 1 X 40 KLD for treatment of sewage generated in the port. The Treated water is being reused for the green belt within port premises.
20.	No solid waste will be disposed of 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.	Being complied. - AKPL has provided solid waste collection bins of 120 numbers at different locations within the Port. - Regular collection arrangements have been made from the bins provided. Solid wastes are being collected, Segregated and disposed as per the Solid Waste (Management and Handling) Rules, 2016 and their amendment.
21.	Installation and operation of DG set if any shall comply with the guidelines of CPCB.	Being complied. As per the CPCB guidelines, Port has installed Retrofit Emission Control Device (RECDs) for Greater than 125 KVA DGs. The DG Sets are being operated as back up for emergency lighting & safety during power breakdowns. DG Monitoring analysis reports are attached as Annexure 12
22.	There shall be no reclamation / dredging of areas.	This condition was deleted by MoEF & CC vide letter no. F. No. 11-62/2009-IA.III dated 02.03.2010. Copy attached as Annexure-19
23.	Air quality including the VOC shall be monitored regularly as per the guidelines of CPCB reported.	This condition was deleted by MoEF&CC vide letter F. No. 11-62/2009- IA.III dated 02.03.2010. Copy attached as Annexure -19

S.No	MoEF Stipulations	Compliance Status
24.	The project proponent shall undertake green belt development.	Complied. • Development of Greenbelt is a regular process in AKPL. • As of now, greenbelt developed in an extent of 222.16 Ha • Maintaining greenbelt of 100 m width along the periphery. • Developed 3.5 Ha of greenbelt near liquid jetty area in phase III along the shoreline boundary. • Maintaining 20-meter width greenbelt around the coal stack yards. Latest Green Belt Drawing is attached as Annexure 3
25.	Necessary clearances from all the concerned agencies shall be obtained before initiating the project.	Noted. AKPL has obtained all Necessary clearances from all the concerned agencies.
26.	Project proponent shall install necessary oil spill mitigation measures in the shipyard. The details of the facilities provided shall be informed to this Ministry within 3 months from the date of receipt of this letter.	Being Complied • Oil Spills are being managed as per the approved Oil Spill Contingency Plan. • AKPL has provided Oil Boom, Skimmer and chemicals to prevent any accidental oil spills. • Staff were trained to meet Tier-I Oil spills. • As per Disaster Management Plan, Indian Coast Guard will be alerted to coordinate. • Details were furnished to the MoEF&CC Regional Office, Bangalore, vide our letter no. KP/MoEF/PH-II/20 dated 02.02.2010. • Latest OPR Drill Copy attached as Annexure 17
27.	No hazardous chemicals shall be stored in the Coastal Regulation Zone area.	Point Noted AKPL does not store any hazardous chemicals in the CRZ area.
28.	The project shall not be commissioned till the requisite water supply and electricity to the project are provided by the PWD / Electricity Department.	Complied. AKPL has a Power agreement from APSPDCL for electricity requirement.

S.No	MoEF Stipulations	Compliance Status
29.	Specific arrangements for rainwater harvesting shall be made in the project design and the rainwater so harvested shall be optimally utilized.	Complied. • Rainwater harvesting ponds and guard ponds have been developed with capacity of 1.63 lakh m³ at various locations in Port premises. • The availability of water is in the rainy & winter seasons. Percolation is faster due to sandy soil. • The maximum harvested water is being utilized for dust suppression.
30.	The facilities to be constructed in the CRZ area as part of this project shall be strictly in conformity with the provisions of the CRZ Notification, 1991 and its amendment. The facilities such as office building and residential buildings which do not require waterfront and foreshore facilities shall not be constructed within the Coastal Regulation Zone area.	Being complied. All the construction activities are as per regulations including Coastal Regulation Zone Notification 1991 & its amendments.
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. AKPL has provided infrastructure facilities including water supply, fuel and sanitation 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.	Being Complied. AKPL has Appointed an NABL accredited SV enviro Laboratories to carry-out Terrestrial & Marine Monitoring
III.	Borrow sites for each quarry sites for road construction material and dump sites must be identified keeping in view the following:	Being Complied. Present port is in operational phase.
	a. No excavation or dumping on private property is carried out without written consent of the owner.	No excavation or dumping on private property was carried out.
	b. No excavation or dumping shall be allowed on wetlands, forest areas or other ecologically valuable or sensitive locations.	Complied. There is no existence of wetlands, other ecologically valuable or sensitive locations.

S.No	MoEF Stipulations	Compliance Status
	c. Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area, and	Complied during construction. Now port is in operational phase.
	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 groundwater.	Complied. AKPL is ensuring that NO Construction spoils including bituminous material and other hazardous materials not allowed to contaminate with 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.	Complied. Now port is in operational phase.
V.	Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.	Complied. AKPL has implemented environmental control measures during the transportation of materials to prevent any adverse environmental impact.
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 and other environmental protection activities.	Being Complied. Senior Officials of APPCB are inspecting AKPL on 6 Monthly basis to verify the compliance status under Random Inspection of Industries during inspection period AKPL has been extending full cooperation to verify the compliance and submitting the documents requested
VII.	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if in the interest of environment and the same shall be complied with.	Noted the condition.
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.
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.	Noted the condition. In case of any change in the project profile or implementing agency, AKPL will submit a

S.No	MoEF Stipulations	Compliance Status
		fresh reference to MoEF&CC for modification of clearance conditions.
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. Financial Closure was completed on 16.10.2006. Details were furnished to the MoEF&CC, Regional Office, Bangalore, vide our letter no. KP/MOEF/60 dated 16th Feb, 2007. Approval of the Project by GoAP: 17.09.2004 Start of Land Development June, 2006.
XI.	Andhra Pradesh Pollution Control Board shall 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. APPCB has displayed the copy of Environmental Clearance at Regional Office, District Industries Centre and Collector's Office / Tehsildar's Office.
XII.	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.	Noted the condition.
XIII.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of, 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.	Complied. Statutory clearances are obtained for storage of Diesel from Chief Controller of Explosives (CCE), Fire Department, Civil Aviation Department, and Forest Conservation Act. Copy of approvals attached as Annexure 8
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 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	Complied. Advertisement was given in Two Local Newspapers viz., Deccan Chronicle dated 22.11.2009 and Andhra Jyothi dated 22.11.2009. A copy of the advertisement was sent to Regional Office, Bangalore of MoEF vide Letter No.KP/MOEF/PH.II/08 dated 18.01.2009.

S.No	MoEF Stipulations	Compliance Status
	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.	
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.
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 Section 11 of the National Environment Appellate Act, 1997.	Noted the condition.
XVII.	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad / 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.
XVIII.	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 level namely; SPM, RSPM, SO ₂ , NO _x (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.	Being complied. Submitting the NABL Accredited 3rd Party Compliance Reports for the period from April to September & respectively along with Terrestrial & Marine Monitoring reports to MoEF & CC on 30.05.2025. AKPL has established display at Zero point location at Main gate of the Company. Copy of the Acknowledgements are attached as Annexure- 15

S.No	MoEF Stipulations	Compliance Status
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.	Being complied. Submitting the 6 Monthly Self Certified & NABL Accredited 3rd Party Compliance Reports for the period from April to September & October to March respectively along with Terrestrial & Marine Monitoring reports to statutory bodies. Copies of the Acknowledgements are attached as Annexure- 15
XX.	The environmental statement for each financial year ending 31 st 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.	Being complied. Form - V Environmental Statement submitted to APPCB Latest submission is on 16.07.2025 for the period 2024-2025 Copy Attached as Annexure - 13
Specific Conditions vide MoEF&CC order F.No. 11-62/2009-IA.III (Pt) dated 16.03.2016		
I.	Construction activity shall be carried out strictly according to the provision 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.	Being complied. No construction works other than those permitted in Coastal Regulation Zone Notification is being carried out in CRZ Area.
II.	All the recommendations and conditions specified by AP Coastal Zone Management Authority (APCZMA) vide letter o.3160/Env/CZMA/2014 dated 14.08.2014 shall be complied with.	Noted the condition & being complied.

**Compliance on the conditions stipulated in APCZMA – NOC
vide letter no.202/CRZ/IND/2019-30 dated 21.05.2020**

Part A- Specific Conditions		
Sl.	Condition	Compliance

No.		
i.	The project proponent shall comply with all the conditions stipulated in the Environment & CRZ clearances, CFEs, CFOs issued to M/s. KPCL Phase-I and Phase-II projects in this Phase-III project also	Being complied. AKPL is submitting compliance status of Phase-I & II conditions to statutory authorities on Half yearly basis.
ii.	The proposed constructions shall conform to the norms prescribed in CRZ notification issued by the Ministry of Environment and Forests, Government of India as per S. No. 19E, dated 06.01.2011.	Being complied. AKPL is ensuring that all proposed constructions conform to the norms prescribed in the CRZ Notification issued by the Ministry of Environment and Forests, Government of India as per S. No. 19E, dated 06.01.2011
iii.	No activity on ground shall be undertaken without obtaining Environmental clearance from Ministry of Environment and Forests, Government of India as per S. No. 19(E), dated 06.01.2011.	Noted and being complied.
iv.	Continuous monitoring of circulation of seawater shall be carried out every six months by engaging reputed agencies like NIOT. The port shall undertake the study of multi sensor, multi date data to study the sedimentation studies in the inner harbour channel in addition to the in-house studies undertaken as part of regular monitoring of sedimentation in the harbour channel. The monthly reports shall be submitted to APPCB.	Being complied. • AKPL appointed a NABL Accredited Laboratory to conduct Environmental Monitoring i.e., Terrestrial & Marine Sediment parameters. The reports are being submitted to APPCB on a monthly basis and MoEF&CC on half-yearly basis. • AKPL appointed NIOT for shore line stability study and same report as submitted on 16.04.2025 to APPCB, RO Nellore. Letter vide no. AKPL/EC/ENV/007/2025-26 dated 09.04.2025. Please find attached Annexure 2 • NCSCM is Monitoring the Land, Air quality, Noise, Water, Marine, Marine sediment parameters and mangroves, ones in four years. • Latest NCSCM Monitoring report submission acknowledgment is attached as Annexure 20

v.	Study on marine biodiversity by engaging a reputed organization/ university having a proven expertise in the relevant field shall be taken up. Similar monitoring mechanism shall be developed for monitoring terrestrial part to determine the impacts.	Complied AKPL appointed study on Comprehensive Biodiversity Assessment, Impact Assessment and Management Plan was prepared through M/s. Suganthi Devadason Marine Research Institute (SDMRI) submitted on 09.01.2025 to APPCB RO Nellore and AP state biodiversity board with vide letter No: AKPL/EC/ENV/126/2024-25 dated 09.01.2025 . Copy attached as Annexure - 21
vi.	The Port authorities shall continue to nourish the beaches located on the north side of the North breakwaters within the port limits, which are vulnerable to sea erosion during the monsoon season and also during cyclone.	Being complied AKPL appointed NIOT team for shoreline stability study. The study commenced in March 2023 and covered a 17.3 km stretch of coastline, extending from 14.322°N, 80.156°E (South) to 14.171°N; 80.126°E (North). Beach profiling and data collection were carried out five times over 22 months, from March 2023 to January 2025. During the study, 1,08,698 cubic meters of sediment was nourished to the northern breakwater (June 2024), as part of port-led coastal conservation.
vii.	The Port shall also undertake the scientific studies by engaging reputed agencies like National Institute of Ocean Technology (NIOT) and Indian Institute of Technology, Chennai to study the feasibility of constructing submerged breakwaters to protect the beach road from seasonal erosion and also during cyclones.	Being Complied ➤ AKPL appointed NIOT for shore line stability study and same report as submitted on 16.04.2025 to APPCB, RO Nellore. Letter vide no. AKPL/EC/ENV/007/2025-26 dated 09.04.2025. Please find attached Annexure 2

viii.	The applicant shall ensure that continuous monitoring systems of all likely affected parameters including air/fish/flora/fauna/water quality/waste water discharges/solid waste disposal/construction material disposal etc., are installed and reports shared with the National Institute of Oceanography (NIO) on continuous basis and a monthly report submitted to the APPCB by the NIO, all through construction period and at least for one year after commencement of operations.	Being complied. • AKPL submitted a letter to APCZMA vide letter No. AKPL/APCZMA/ 2022-23/069 dated 09.09.2022. • Copy of the letter attached as Annexure-22 • AKPL appointed an NABL Accredited Laboratory to conduct Environmental Monitoring i.e., Terrestrial & Marine parameters. • The reports are being submitted to APPCB monthly and MoEF&CC on half-yearly basis. • The reports for the period from April'25 to Sep'25 are mentioned in the report.
ix.	A team of APPCB scientists and environmental engineers shall be kept continuously informed and apprised of the project by the applicant, so that environmental mitigation measures are adopted on a continuous basis.	Senior Officials of APPCB are inspecting AKPL on 6 Monthly basis to verify the compliance status under Random Inspection of Industries.
x.	The project proponent while executing this project shall not disturb any of the ecologically sensitive areas like mangroves, sand heaps sand dunes etc.	Being complied. ➤ Existing mangrove areas are being protected and conserved with suitable barricading, erection of display boards and ensuring the tidal flow exchange. ➤ Display boards and fencing have been arranged to protect the mangrove area.
xi.	No construction shall be taken in the No Development Zone. However, if any permitted activity is to be taken up, the proponent may apply to the competent authority separately. Permanent structures shall be avoided in this zone.	Being complied. No construction activity is carried out in the No Development Zone except the permitted one.
xii.	Priority to be given to the maintenance of storm water drains from the surrounding area to prevent possible flooding of the surrounding areas.	Complied. AKPL is maintaining the storm water drains periodically and especially before monsoon season by removing the sludge

		accumulated to prevent possible flooding of the surrounding areas.
xiii.	Mechanization of Port operations shall be taken up to improve the air quality in the bowl area. SPM and RSPM levels to be maintained within the standards stipulated by the APPCB/CPCB.	Being complied. Majority of Port operations are carried out through mechanized cargo handling equipment so as to avoid cargo spillage and dust emissions during the cargo handling activities • Provided Mechanical Dust suppression system at various critical points. • Implementing appropriate measures, able to mitigate all the dust being generated during the operations
xiv.	Raising and maintenance of greenbelt 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 afforestation programme.	Being complied. ➤ Development of Greenbelt is a regular process in AKPL. ➤ As of now, the greenbelt developed to an extent of 222.16 Ha Latest Green Belt Drawing is attached as Annexure 3
xv.	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.	Complied. • Latest NABL half yearly compliance report submitted on 30.05.2024. Acknowledgement copy attached 15
xvi.	Dredged material shall be utilized for nourishment of beaches.	Complied AKPL appointed NIOT team for shoreline stability study. The study commenced in March 2023 and covered a 17.3 km stretch of coastline, extending from 14.322°N, 80.156°E (South) to 14.171°N; 80.126°E (North). Beach profiling and data collection were carried out five times over 22 months, from March 2023 to January 2025. During the study, 1,08,698 cubic meters of sediment was nourished to the

		northern breakwater (June 2024), as part of port-led coastal conservation.
xvii.	Full cooperation shall be extended to all inspecting authorities/ organizations such as APPCB, MoEF&CC, CPCB and local Environment Protection Organizations.	Being complied. Senior Officials of APPCB are inspecting AKPL on 6 Monthly basis to verify the compliance status under Random Inspection of Industries during inspection period AKPL has been extending full cooperation to verify the compliance and submitting the documents requested.
xviii.	A team of APPCB scientists and environmental engineers shall be kept continuously informed and apprised of the project by the applicant, so that environmental mitigation measures are adopted on a continuous basis.	Senior Officials of APPCB are being visiting AKPL on 6 Monthly basis to verify the compliance status under Randomized Inspection of Industries.
xix.	The project activity shall be carried out strictly as per the provisions of CRZ Notification, 2011, and shall not affect the coastal ecology of the area including flora and fauna.	Being complied. AKPL has Appointed an NABL accredited SV enviro Laboratories to carry-out Terrestrial & Marine Monitoring.
xx.	The project proponent shall ensure that there is no destruction of mangroves during the construction as well as the operation phase of the project.	Being complied. ➤ Existing mangrove areas are being protected and conserved with suitable barricading, erection of display boards and ensuring the tidal flow exchange. ➤ Display boards and fencing have been arranged to protect the mangrove area.
xxi.	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. AKPL is not altering any landscape changes for beautification, recreation and other such purpose.
xxii.	All conditions/ recommendations stipulated by other statutory authorities shall strictly be complied with, as may be applicable.	Noted, complied with the conditions. Senior Officials of APPCB are inspecting AKPL on 6 Monthly basis to verify the compliance status under Random Inspection of Industries during inspection period AKPL has been extending full

		cooperation to verify the compliance and submitting the documents requested.
xxiii.	The project proponent shall obtain all necessary clearances/ permissions from the concerned authorities as applicable.	Being complied. AKPL has obtained valid clearances from competent authorities.
xxiv.	'Consent for Establishment' and 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.	Complied Obtained CTE for Phase-III expansion vide Order no. 633/ APPCB/CFE/RO-NLR/HO/2010 dated 25.02.2021. Copy of the CTE Order is attached as Annexure 23.
xxv.	All waste (liquid and solid) arising from the proposed development will 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.	Being complied. Generated Hazardous waste being disposed to APPCB Authorized vendors through APEMCL portal.
xxvi.	No permanent labour camp, machinery and material storage shall be allowed in CRZ area.	Being complied. AKPL is strictly complying with this condition.
xvii.	There shall no groundwater withdrawal within CRZ without prior approval of the State Groundwater Authority.	Note and Being Complied. AKPL is not withdrawing ground water within CRZ area.
xviii.	Disposal of muck during construction phase should not create any adverse effect on the neighboring 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.	Being complied. Present port is in operational phase.

Part B - General Conditions

i.	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. A copy of the Environmental clearance was submitted to The Environmental Engineer, APPCB Regional office vide letter dated 12.01.2021,

		- The District Collector vide our letter dated 03.02.2021 and local panchayats vide letter dated 01.02.2021. - Copy of the CTE Order is attached as Annexure 24
ii.	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. AKPL earmarked dedicated funds for environment management plan. Please find the last three years details. FY 2024-25- 20.82 Cr. FY 2023-24- 2.41 Cr. FY 2022-23- 17.38 Cr. FY 2021-22- 4.36 Cr. Copy attached as Annexure 13
iii.	Concealing factual data by the project proponent, any officer 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 the condition.
iv.	The above stipulations would be enforced among others under the provisions of the 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, the EIA Notification, 2006 and the CRZ Notification, 2011.	Noted the condition.
v.	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	Noted the condition. Senior Officials of APPCB are inspecting AKPL on 6 Monthly basis to verify the compliance status under Random Inspection of Industries during inspection period AKPL has been extending full

	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.	cooperation to verify the compliance and submitting the documents requested.
vi.	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the APCZMA.	Noted the condition.
vii.	The APCZMA reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance 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 the condition. AKPL is complying with conditions stipulated in APCZMA NOC clearance.
viii.	All other statutory clearances shall be obtained, as applicable by project proponents from the respective competent authorities.	Noted the condition, AKPL has obtained all statutory clearances as applicable to project.
ix.	The project proponent should advertise in at least two local News papers 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 Advertisement was published in District Newspapers namely "Vartha" & "The New Indian Express" dated 21.01.2021. Copy attached as Annexure 25
x.	This clearance is subject to any order passed by any Hon'ble Courts, as may be applicable to this project.	Noted the condition, AKPL abide with the order passed by any Hon'ble Courts, as may be applicable to this project.
xi.	A copy of the clearance letter shall be sent by the proponent to concern panchayat, Zilla Parisad/Municipal	Complied. A copy of the Environmental clearance was submitted to

	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.	• The Environmental Engineer, APPCB Regional office vide letter dated 12.01.2021, • The District Collector vide our letter dated 03.02.2021 and local panchayats vide letter dated 01.02.2021. • Copy attached as Annexure 24.
xii.	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 concerned District Collector and the APPCB.	Being complied. Submitting NABL Accredited 3rd Party Compliance Reports for the period from Oct'24 to March'25 along with Terrestrial & Marine Monitoring reports submitted on 30.05.25 to MoEF & CC and APPCB. Copies of the Acknowledgements are attached as Annexure 15
xiii.	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 Andhra Pradesh Pollution Control Board as prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of clearance conditions and shall also be sent to the AP Pollution Control Board regional office, APCZMA and APPCB by email.	Complied Form – V Environmental Statement Submitted on 16.07.2025 for the period 2024-2025. Copy Attached as Annexure 13.

6.3 Compliance on the conditions stipulated in EC & CRZ Clearance (For Phase – 3) Vide Order No.10-08/2016-IA-III dated 11.01.2021.

S.No	Conditions	Compliance
	Special Conditions	
i.	The Environmental and CRZ Clearance to the project is primarily under provisions of EIA Notification, 2006 and CRZ Notification, 2011. It does not amount to approvals/consent/permissions etc., required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals / clearances under any other Acts/ Regulations or Statutes as applicable to the project.	Noted the condition and duly complied with during the implementation of the project.
ii.	The project proponent shall abide by all the commitments and recommendations made in the Form-II, EIA and EMP report, submissions made during Public Hearing and also that have been made during their presentation to EAC.	Being complied AKPL strictly abides with all the commitments and recommendations made during public hearing.
iii.	Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Being complied Construction activity is carried out as per the CRZ Notification. No construction works permitted other than those permitted in Coastal Regulation Zone Notification.
iv.	All the recommendations and conditions specified by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) vide letter 202/CRZ/IND/201930 dated 21.05.2020 shall be complied with.	Noted the condition & being complied. AKPL is implementing all the recommendations and conditions specified by the Andhra Pradesh Coastal Zone Management Authority (APCZMA).
v.	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. Creek water monitoring program shall	Being complied. ➤ No creeks or rivers are blocked in the port premises and ensuring free flow of water. AKPL appointed NABL accredited Laboratory of SV Enviro for

	be implemented during the construction phase	environmental monitoring and reports are being submitted to statutory bodies.
vi.	Development of green belt by native species with consultation with state forest department shall be ensured.	Being Complied. • AKPL has developed greenbelt with a native tree species and development of Greenbelt is a regular process. • As on September 2025, AKPL has successfully developed 222.16 Ha of Green belt along port boundary, around coal yards, avenue& median plantations. • Maintaining greenbelt of 100 m width along the periphery. • Developed 3.5 Ha of greenbelt near liquid jetty area in phase III along the shoreline boundary. • Maintaining 20-meter width greenbelt around the coal stack yards. • Latest Green Belt Drawing is attached as Annexure 3
vii.	The proposed expansion entails 60 million cum of dredging in soft soil. As proposed, the PP shall utilize 26 million cu m of dredged sand for reclamation of low lying areas of port, stock pile 2 million cu m on the coast north of north breakwater for long term coastal protection as recommended by NIOT and disposal of balance 32 million cu m of dredged spoil in the identified dredge disposal area of 56 Km2 beyond (-) 20 m contour. The impact of dredging on the marine environment should be monitored and necessary measures shall be taken on priority basis if any adverse impact is observed. NIOT will oversee the work as scientific body and continue to monitor its impact/benefits for at least 5 years post project completion. Necessary financial assistance to be provided by project proponent to NIOT. The report	• AKPL has obtained Consent to Establishment (CTE) from APPCB vide Order No. 633/ APPCB/ CFE/RO-NLR/HO/2010 dated 25.02.2021. Copy of the CTE Order is attached as Annexure-23 • The impact of dredging activities have been monitored by NIOT for 5 years post completion of the project. • AKPL appointed NIOT for shore line stability study and same report as submitted on 16.04.2025 to APPCB, RO Nellore. Letter vide no. AKPL/EC/ENV/007/2025-26 dated 09.04.2025. • Please find attached Annexure 2

	of the same to be submitted to regional office of MoEFCC by project proponent.	
viii.	Marine ecological monitoring and its mitigation measures for protection of phytoplankton, zooplanktons, macrobenthos, estuaries, sea-grass, algae, sea weeds, Crustaceans, Fishes, coral reefs and mangroves etc. as given in the EIA-EMP Report shall be complied with in letter and spirit with the help of reputed organization or individuals of national repute having knowledge in the said subject. Necessary financial assistance to be provided by project proponent.	Being complied. As given in the EIA-EMP Report, AKPL appointed an NABL Accredited Laboratory to conduct Environmental Monitoring i.e., Terrestrial & Marine ecological monitoring. The reports are being submitted to APPCB on monthly basis and MoEF&CC on half-yearly basis - AKPL appointed study on Comprehensive Biodiversity Assessment, Impact Assessment and Management Plan was prepared through M/s. Suganthi Devadason Marine Research Institute (SDMRI) submitted on 09.01.2025 to APPCB RO Nellore and AP state biodiversity board with vide letter No: AKPL/EC/ENV/126/2024-25 dated 09.01.2025. Copy attached as Annexure 21 - In addition, NCSCM is Monitoring the Land, Air quality, Noise, Water, Marine, Marine sediment parameters and mangroves, ones in four years. - NCSCM report submission acknowledgement in APPCB RO Nellore with vide letter no. AKPL/EC/APPCB/1252024-25 dated 09.01.2025 Copy Attached as Annexure 20
ix.	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.	Complied. AKPL has been Operating 5 Nos. of Continuous Ambient Air Quality Monitoring stations and connected to APPCB website. AKPL appointed an NABL Accredited Laboratory to conduct Environmental Monitoring i.e., Terrestrial & Marine parameters.

		The reports are being submitted to APPCB on monthly basis and MoEF&CC on half-yearly basis. Latest Submitting NABL Accredited 3rd Party Compliance Reports for the period from Oct'24 to March'25 along with Terrestrial & Marine Monitoring reports submitted on 30.05.25 to MoEF & CC and APPCB. Copy of the Acknowledgements are attached as Annexure 15
x.	The actions shall be in accordance with proposed landscape planning concepts to minimize major landscape changes. The change in land use pattern shall be limited to the proposed port limits and be carried out in such a way as to ensure proper drainage by providing surface drainage systems including storm water network.	Being complied Port related activities and operation is restricted within the Port Boundary. AKPL is strictly ensuring proper surface and storm water drainage system for free flow of water. AKPL is continuously monitoring all the drainage network and Rainwater harvesting structures in Port premises with a fixed schedule, plan and removing silt as and when required.
xi.	Suitable preventive measures be taken to trap spillage of fuel / engine oil and lubricants from the construction site. Measures should be taken to contain, control and recover the accidental spills of fuel during cargo handling.	Being complied Port has existing Tier-I oil spill response equipment to combat any oil spill and coordinate with Indian Coast Guard to contain, control, and recover the accidental spills of fuel during cargo handling.
xii.	All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF & CC along with half yearly compliance report.	Complied Environmental Monitoring Plan prepared in matrix format for the Phase-III expansion and same implementing in site. Copy attached as Annexure 26
xiii.	The company shall draw up and implement Corporate Social Responsibility Plan as per the Company's Act of 2013.	Being complied For the FY 25-26 AKPL has spent 212.69 Lakhs (Up to 10th Nov 2025) towards CSR Socio economic development schemes and welfare measures. CSR report for the period of April'25 to September'25 attached as Annexure 7
xiv.	As per the Ministry's Office Memorandum F. No. 22-65/2017-IA.III	Being complied

	dated 30th September, 2020, the project proponent shall abide by all the commitments made by them to address the concerns raised during the public consultation. The project proponent shall initiate the activities proposed by them, based on the commitment made in the public hearing, and incorporate in the Environmental Management Plan and submit to the Ministry. All other activities 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.	• The Public Consultation for Phase-III expansion was exempted as it was developed in the existing land area of 6800 Ac. • All the commitments made in the public consultation for Phase-II during 2009 were complied with. • All the activities proposed in the EMP for Phase-II along with the Phase -III EMP including Pollution control measures, Environmental protection and conservation, R&R, Wildlife and forest conservation/ protection measures including the NPV, Compensatory Afforestation, etc., are being implemented.
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 works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Being complied All the construction activities are as per regulations including Coastal Regulation Zone Notification 2011 & the State Coastal Zone Management Plan as drawn up by the State Government.
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.	Complied. The Port is being supplied with power grid & non-conventional source of energy through Power Grid for uninterrupted power supply. (BLYTH Wind Park Pvt. Ltd., Ananthapur Dist., Andhra Pradesh)
iii.	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives,	Complied.

	Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.	AKPL has obtained a license from Chief Controller of Explosives to store petroleum class A & B as a retail outlet inside the port. Copy of approvals attached as Annexure- 8
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. 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. - The Port has been operating 5 No. of CAAQM stations at the below mentioned locations as suggested by APPCB within the Port premises to monitor the parameters viz., PM₁₀, PM_{2.5}, SO₂, NH₃, NO₂, CO and the data is being uploaded to APPCB website. a. CVR Amenities Complex b. Thamminapatnam Village c. Krishnapatnam Village d. North side of the Port e. South side of the port - Environmental Monitoring has been rendered by NABL accredited laboratory along with AAQ monitoring at 7 locations covering upwind and downwind directions. The monthly reports for the period from Apr'25 to Sep'25 are attached in this report Annexure 12 Latest calibration reports attached as Annexure 30
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.	Being complied. Port has adopted and implemented the following measures for the control of fugitive emissions during handling of bulk & non-bulk cargo and vehicular movement: i. Established mechanical conveyor system for handling coal & Iron ore. ii. Provided closed hoods for the conveyor system. iii. Stacker cum re-claimers is being used for loading and unloading the coal. iv. The railway wagons are being loaded mechanically.

		v. Installed fully mechanized coal handling systems with gantry grab type ship loaders/unloaders. vi. Provided hooded conveyor belt for cargo transferring directly from ship to the designated stack yard by means of closed hoppers and transfer towers. vii. Established closed warehouses for storage of weather sensitive cargoes. viii. The loading and discharge points of the conveyor carrying material are covered with exhaust hoods to prevent the formation of dust clouds. ix. All the conveyor galleries are covered to ensure zero dust emission during cargo transfer. x. Provided water sprinkling system at transfer towers to arrest the dust spreading into the atmosphere. xi. Provided semi mechanized facilities for truck tarpaulin covering stations to ensuring all the outgoing cargos by trucks are covered with tarpaulin. xii. Ensuring all the outgoing Railway Rakes are covered with Tarpaulin. xiii. Mist Canon systems provided for watering avenue plantations and road wetting on haul roads xiv. Operating Mechanical dust suppression system comprises of 248 canons. xv. Deploying DSS Tankers of Cannon mounted for sprinkling water on haul roads and yards to arrest the dust causing by the vehicular movement xvi. The Cargo stocks/heaps are covered with tarpaulin. xvii. 3 No of Heavy-Duty Sweeping Machines are being deployed at operational areas and all internal roads. - xviii. Erected & maintaining wind breaking wall of height 14 mtrs to prevent any dust nuisance towards habitation supported with high density greenbelt. xix. Greenbelt in an extent of 222.16 Ha Developed & maintaining green belt

		along the port covering, yards, roads and all operational areas.
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.	Being complied. - Erected & maintaining wind breaking wall of height 14 mtrs to prevent any dust nuisance towards habitation supported with high density greenbelt. - Covered the operational area with rows of plantation which are acting as wind barricades. - Ensuring water sprinkling on haul roads.
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.	Being complied. No blasting activities involved in the Port operations.
v.	The Vessels shall comply the emission norms prescribed from time to time.	Being complied. AKPL strictly implementing MARPOL guidelines.
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.	Being Complied. - The Port is being supplied with power grid & non-conventional source of energy through Power Grid for uninterrupted power supply. (BLYTH Wind Park Pvt. Ltd., Ananthapur Dist., Andhra Pradesh) - The DG Sets are being operated as back up for emergency lighting & safety during power breakdowns. - Retrofitting certification was carried out for the DG Sets. - The DG Sets are being monitored ones in 6 months through a NABL Accredited 3rd Party and submitting the analysis reports attached as Annexure 12
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	Complied AKPL appointed M/s. FP Project Management to study and prepare a Traffic Management and Decongestion Plan. Report submitted to the competent authorities on 11.07.2024 with vide letter no.

	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.	AKPL/EC/EHS/032 dated 03.07.2024 to R & B Dept and NUDA. Copy of the Acknowledgement is attached as Annexure 27.
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.	Being complied No creeks or rivers are blocked in the port premises and ensuring free flow of water.
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.	Being complied During dredging operations, AKPL ensures water quality protection by deploying silt curtains around the dredging area to contain suspended sediments and prevent dispersion beyond the designated zone. Continuous monitoring of turbidity and water quality is carried out by NABL-accredited laboratory to ensure with APPCB and MoEF&CC standards.
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.	Being complied No ships are allowed to discharge on board wastewater. AKPL strictly implementing MARPOL guidelines.
iv.	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.	Being complied. Port has existing Tier-I oil spill response equipment to combat any oil spill supported by Indian Coast Guard to contain, control and recover the oil spill. Latest OPR drill was conducted at the port on 23.08.2025.

		Copy attached as Annexure- 17.
v.	The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.	Being a Port activity, as of now there is no intake and discharge of water involved in operations. Irrespective of above, AKPL has engaged NABL certified laboratory for monitoring water quality of surrounding creeks on half yearly basis and the reports of the same being submitted to statutory authorities on half yearly basis.
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.	Complied - Oil Spills are being managed as per the approved Oil Spill Contingency Plan. - AKPL has provided Oil Boom, Skimmer and chemicals to attend any accidental oil spills. - Staff were trained to deal with Tier-I Oil spills. Training and periodical mock drills are being organized for the work force at workplace. - As per Disaster Management Plan, Indian Coast Guard will be alerted to coordinate. - Details were furnished to the MoEF&CC Regional Office, Bangalore, vide our letter no. KP/MoEF/PH-II/20 dated 02.02.2010. Latest OPR drill was conducted at the port on 23.08.2025. Copy attached as Annexure-17.
vii.	Total freshwater 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.	Complied. AKPL has obtained consent permission from all competent authorities to meet freshwater requirements. The source of Freshwater is Muthukur Reservoir 1000 KLD.
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.	- AKPL has been operating 2 no. of Sewage Treatment Plants of 1 X 500 KLD STP at CVR Amenities Complex & 1 X 40 KLD STP Admin. Building. - Treated wastewater from STP is being utilized for the green belt within port premises.

		- Septic tank and soak pit systems are being followed at offices and isolated buildings which are far from STPs. - The treated water details for the last six months are as below: <table border="1"> <thead> <tr> <th>Month</th><th colspan="2">STP Treated water Quantity (KL)</th></tr> <tr> <th></th><th>Admin Building</th><th>CVR Complex</th></tr> </thead> <tbody> <tr> <td>April'25</td><td>383</td><td>3760</td></tr> <tr> <td>May'25</td><td>421</td><td>3809</td></tr> <tr> <td>June'25</td><td>294</td><td>4445</td></tr> <tr> <td>July'25</td><td>403</td><td>3968</td></tr> <tr> <td>August'25</td><td>279</td><td>4141</td></tr> <tr> <td>September'25</td><td>345</td><td>3616</td></tr> <tr> <td>Average KL/M</td><td>354.17</td><td>3956.5</td></tr> </tbody> </table>	Month	STP Treated water Quantity (KL)			Admin Building	CVR Complex	April'25	383	3760	May'25	421	3809	June'25	294	4445	July'25	403	3968	August'25	279	4141	September'25	345	3616	Average KL/M	354.17	3956.5
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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.	Being complied. AKPL is not discharging any treated effluent/ untreated effluent into the public sewer. The treated domestic water is being utilized for greenbelt development and dust suppression.																											
x.	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.	Note & Being complied AKPL is not diverting any natural course of the rivers/creeks without prior permission from the Ministry of water resources.																											
xi.	All the erosion control measures shall be taken at waterfront 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.	Being complied AKPL has developed 100m Casuarina boundary plantation at north and south shorelines to avoid the erosion of soil from the shoreline/boundary line from the land area.																											
Noise Monitoring and prevention																													
i.	The 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 AKPL appointed a NABL Accredited Laboratory to monitor Noise quality at the following locations: 1. Zero Point																											

		2. Thamminapatnam 3. CVR Building 4. Gopalapuram 5. Chalivendram 6. Krishnapatnam 7. Krishnapatnam Village near Light House Submitting the reports to APPCB on monthly basis and to MoEF & CC on Half yearly basis. The reports for the period from Apr'25 to Sep'25 are attached in this report Annexure 12
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 equipment.	Being complied Environmental Monitoring has been rendered by NABL accredited laboratory along with Noise monitoring at 7 locations covering within the port premises. The monthly reports for the period from Apr'25 to Sep'25 are attached in this report Annexure 12
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.	Being complied The DG Sets are being operated as back up for emergency lighting & safety during power breakdowns. i. Retrofitting certification was carried-out for the DG Sets. The DG Sets are being monitored ones in 6 months through a NABL Accredited 3rd Party and submitting the analysis reports attached as Annexure 12
iv.	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during daytime and 70 dB(A) during night time.	Being complied. - The Port has been operating 5 No. of CAAQM stations at the below mentioned locations as suggested by APPCB within the Port premises to monitor the parameters viz., PM₁₀, PM_{2.5}, SO₂, NH₃, NO₂, CO and the data is being uploaded to APPCB website. f. CVR Amenities Complex g. Thamminapatnam Village h. Krishnapatnam Village i. North side of the Port j. South side of the port

		Environmental Monitoring has been rendered by NABL accredited laboratory along with AAQ monitoring at 7 locations covering upwind and downwind directions.
Energy Conservation measures		
i.	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, streetlights parking around project area and maintain the same regularly	Being complied AKPL is receiving Renewable Energy of 2.5 MW with M/s Adani Energy Solutions Limited khavda, Gujarat. - AKPL explored and evaluated business cases for alternative energy, specifically: - Installation of solar panels. - Purchase of wind energy power. - The evaluation included detailed technical and financial assessments to determine feasibility and benefits. - After thorough evaluation, AKPL entered into a Memorandum of Understanding (MOU) with M/s Atria Wind Power private limited for the supply of renewable power. - This move aligns with AKPL's sustainability and compliance initiatives, as reflected in their environmental highlights and compliance reports. - From August 2024, out of the total electricity consumed at AKPL, a significant portion was sourced from renewable energy, primarily wind power. - The adoption of renewable energy sources is part of AKPL's broader environmental compliance and sustainability strategy, which includes regular reporting, statutory submissions, and implementation of recommendations from environmental studies.
ii.	Provide LED lights in their offices and port areas.	Being complied

		All the office buildings and other operation buildings are provided with LED lights.
Waste Management		
i.	Dredged material shall be disposed of safely in the designated areas.	Being complied. AKPL disposes of dredged materials in designated areas.
ii.	Shoreline should not be disturbed due to dumping. Periodical study on shoreline changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six-monthly monitoring reports.	Being complied ➤ AKPL appointed NIOT for shoreline stability study and same report as submitted on 16.04.2025 to APPCB, RO Nellore. ➤ Letter vide no. AKPL/EC/ENV/007/2025-26 dated 09.04.2025. Please find attached Annexure 2
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 • AKPL has been operating 2 no. of Sewage Treatment Plants of 1 X 500 KLD STP at CVR Amenities Complex & 1 X 40 KLD STP Admin. Building. • Treated wastewater from STP is being utilized for the green belt within port premises.
iv.	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.	Being complied. • AKPL has provided solid waste collection bins of 120 numbers at different locations within the Port. • Regular collection arrangements have been made from the bins provided. Solid wastes are being collected, Segregated and disposed as per the Solid Waste (Management and Handling) Rules, 2016 and their amendment.
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. Construction and Demolition Waste disposing as per the Construction and Demolition Waste Management (Management and Handling) 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.	Being complied. AKPL has obtained Consent to operation from APPCB to dispose solid waste is being disposed to authorized recyclers.
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.	Being complied Form – 3 – E – Waste Annual Statement for the FY 2024 – 2025 submitted on at APPCB, RO, SPSR Nellore on 29.04.2025.
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 - Port has been maintaining Oil Spill Contingency Plan. - Port has Tier-I Oil Spill response equipment for recovery of oil spill in coordination with ICG, Krishnapatnam and follows the guidelines given in MARPOL and Shipping Acts. Latest OPR drill was conducted at the port on 23.08.2025. Copy attached as Annexure-17.

Greenbelt

i.	Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.	Being complied. AKPL has planted 29833 No.s of saplings for the period of April to September'25 in FY 2025-26 Latest Green Belt Drawing is attached as Annexure 3
ii.	Top soil shall be separately stored and used in the development of green belt.	Being complied. AKPL is using coco peat, red soil and vermi compost for enriching the topsoil.

Marine Ecology

i.	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.	Being complied During dredging operations, AKPL ensures water quality protection by deploying silt curtains around the dredging area to contain suspended sediments and prevent dispersion beyond the designated zone.

		Continuous monitoring of turbidity and water quality is carried out by NABL-accredited laboratory to ensure with APPCB and MoEF&CC standards.
ii.	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.	Being complied AKPL appointed NABL accredited 3rd party M/s Falcon Resilient Infra Consultants team to study and assess the impact of Pre, during and post dredging activity, Monitoring completed and data compilation is under progress. In addition to the above, AKPL appointed NABL accredited Laboratory of SV Enviro for environmental monitoring in which they are collecting and analyzing marine water samples monthly, the reports of the same were being submitted to statutory bodies.
iii.	A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water 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.	Complied Comprehensive Marine Biodiversity Impact Assessment and management Plan was prepared SDMRI and the same was submitted to APPCB, RO, Nellore on 09.01.2025. · Report copy shared to Andhra Pradesh State biodiversity Board through Indian Post and copy received on 15.01.2025. Report copy shared to APCZMA through Indian Post and copy received on 16.01.2025. with vide letter No: AKPL/EC/ENV/126/2024-25 dated 09.01.2025. Copy attached as Annexure -21

iv.	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 AKPL Appointed a NABL Accredited Laboratory for Monitoring the Terrestrial & Marine parameters viz., Marine water quality, Marine sediment quality, Surface Water Quality and ground water quality at regular intervals with NABL Laboratory. Copies of the Analysis reports for the Period from April'25 to September'25 are attached in this report Annexure 12 Comprehensive Marine Biodiversity Impact Assessment and management Plan was prepared SDMRI and the same was submitted to APPCB, RO, Nellore on 09.01.2025. · Report copy shared to Andhra Pradesh State biodiversity Board through Indian Post and copy received on 15.01.2025. Report copy shared to APCZMA through Indian Post and copy received on 16.01.2025. with vide letter No: AKPL/EC/ENV/126/2024-25 dated 09.01.2025. Copy attached as Annexure -21
v.	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. • There are no aquatic wildlife sanctuaries in the vicinity of the Port. • AKPL has been ensuring that the water traffic does not impact the marine ecosystem for port operations.
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.	Being complied. AKPL has certified in ISO 45001: 2015 Occupation Health and safety. AKPL strictly enforcing all the workers, employees, stakeholders to wear PPEs at operational areas.
ii.	Workers shall be strictly enforced to wear personal protective equipment's like dust mask, ear muffs	Being complied.

	or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.	AKPL strictly enforcing all the workers, employees, stakeholders to wear PPEs at operational areas.
iii.	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.	Being complied. - All the employees, workers & contractors are given daily toolbox talks, monthly review meetings with employees engaged in various activities of the Port. - Port implemented and monitoring all standard safety and occupational hazard measures to prevent untoward incidents.
iv.	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being complied. Port has developed Emergency Preparedness Plan based on the HIRA and Disaster Management Plan. Latest DMP update copy submitted to District Magistrate office on 30.08.2024. Copy Attached as Annexure 6
v.	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.	Being complied. AKPL has provided all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. during the construction phase and these temporary structures were removed after the completion of the project.
vi.	Occupational health surveillance of the workers shall be done on a regular basis.	Being complied AKPL has been conducting Occupational health checkups/training to the workers on a regular basis.
Environmental 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	Complied. AKPL has submitted copy of Environment policy duly approved by board authorities along with half yearly compliance reports.

	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.	Same details were submitted in latest Half yearly compliance report on 30.05.2025 in PARIVESH portal with Annexure No. 22. AKPL has been implementing all the statutory regulations / directions prescribed and submitting the compliance reports periodically to the authorities viz., MoEF&CC, CPCB & SPCB. Copy attached as Annexure 28
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.	Being complied. AKPL has formed Environment Cell Headed by HOD & supporting staff at port level. Organogram sheet attached as Annexure 18
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.	Being complied AKPL is maintaining and implementing EMP matrix during Operational Phase as per the recommendations made in the EIA/EMP report. The Funds & Expenditure earmarked for environment protection measures are being reported in Form – V Environmental Statement and submitting the same to APPCB & MoEF& CC. Latest submission is on 19.07.2025 for the period 2024-2025. Copy Attached as Annexure 13.
iv.	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Being complied. Self-certified environment audit conducted annually and NABL Accredited 3rd Party Compliance Reports for the period from October'24 to March'25 respectively along with Terrestrial & Marine Monitoring reports

		submitted on 30.05.25 to MoEF & CC and APPCB. Copy of the Acknowledgements are attached as Annexure 15.
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.	Complied. Advertisement was published in District Newspapers namely "Vartha" in local language & "The New Indian Express" in English language dated 21.01.2021. Copy attached as Annexure-25
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.	Complied. A copy of the Environmental clearance is submitted to the District Collector vide our letter dated 03.02.2021 and local Panchayats vide letter dated 01.02.2021. Copy attached as Annexure-24
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.	Complied. Submitting the 6 Monthly Self Certified & NABL Accredited 3rd Party Compliance Reports for the period from April to September & October to March respectively along with Terrestrial & Marine Monitoring reports submitted on 30.05.25 to MoEF & CC and APPCB. Copies of the acknowledgments are attached as Annexure-15
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.	Complied. Submitting the 6 Monthly Self Certified & NABL Accredited 3rd Party Compliance Reports for the period from April to September & October to March respectively along with Terrestrial & Marine Monitoring reports submitted on 30.05.25 to MoEF & CC and APPCB.

		Copies of the acknowledgments are attached as Annexure-15
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.	Being complied Form – V Environmental Statement submitted to APPCB & MoEF& CC. Latest submission is on 19.07.2025 for the period 2024-2025. Copy Attached as Annexure 13.
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.	Complied. • The Port has been operating 5 No. of CAAQM stations at the below mentioned locations as suggested by APPCB within the Port premises to monitor the parameters viz., PM10, PM2.5, SO2, NH3, NO2, CO and the data is being uploaded to APPCB website. a. CVR Amenities Complex b. Thamminapatnam Village c. Krishnapatnam Village d. North side of the Port e. South side of the port AKPL has installed digital display board at publicly visible place at the zero point gate.
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.	AKPL obtained CTE of APPCB for Order No. 633/APPCB/CFE/RO- NLR/HO/2010 dated 25.02.2021. Copy attached in Annexure-23
viii.	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted the condition, AKPL 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.	Being Complied. AKPL abide by the commitments and recommendations made in the EIA/EMP report.

x.	No further expansion or modifications in the port area shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).	Noted the condition. AKPL will take prior approval from Ministry of Environment, Forests and Climate Change (MoEF&CC) if any further expansion is there.
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.	Noted the condition. AKPL abides with all conditions stipulated in 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.	Noted the condition. AKPL abides with all conditions stipulated in environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
xiii.	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time-bound manner shall implement these conditions.	Noted the condition. AKPL abides with all conditions stipulated in environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
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.	Noted the condition. Senior Officials of APPCB are inspecting AKPL on 6 Monthly basis to verify the compliance status under Random Inspection of Industries during inspection period AKPL has been extending full cooperation to verify the compliance and submitting the documents requested.
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	Noted the condition. AKPL abide with 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.

	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.	Noted the condition.

ADANI KRISHNAPATNAM PORT LIMITED



Ports and
Logistics

**Half Yearly Compliance Report On
Conditions Stipulated in Consent to Establishment (CTE)
April'2025 to September' 2025**

Consent for Establishment (CFE) Order for Phase – III Order No: 633/APPCB/CFE/RO-NLR/HO/2010 Dt. 25.02.2021 and amended vide order dated 06.04.2021 and 16.07.2021.

S.No	Condition	Compliance Status																									
1.	The proponent 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 activity.	Complied. Obtained CTO from APPCB vide Order No. APPCB/ VJA/ NLR/11344/CFO/HO/2019 11/11/2022, valid up to 31.08.2027																									
2	Compensation is to be paid for any environmental damage caused by it, as fixed by the Collector and District Magistrate as civil liability.	Noted the condition.																									
3	The rules and regulations notified by Ministry of Law and Justice, GOI, regarding the Public Liability Insurance Act, 1991 shall be followed.	Noted with the condition.																									
4	Water: The source of water is Muthukur Reservoir of 1000 KLD and 4 MLD of water from Nakkala kalava irrigation drain. The maximum permitted water consumption after proposed expansion is as following: <table><tr><th>S. No.</th><th>Purpose</th><th>Qty as per CFO (Phase-1 & 2) (KLD)</th><th>Proposed in Expansion under Phase-III (KLD)</th><th>Total after expansion (KLD)</th></tr><tr><td>1.</td><td>Dust suppressions & other utilities</td><td>1600.0</td><td>1700</td><td>3300</td></tr><tr><td>2.</td><td>Gardening</td><td>300</td><td>200</td><td>500</td></tr><tr><td>3.</td><td>Domestic</td><td>600</td><td>600</td><td>1200</td></tr><tr><td></td><td>Total:</td><td>2500 KLD</td><td>2500 KLD</td><td>5000 KLD</td></tr></table> Separate meters with necessary pipeline shall be provided for assessing the quantity of water used for each of the purposes viz., Dust suppression, Domestic purposes, Washing and servicing, development of greenery.	S. No.	Purpose	Qty as per CFO (Phase-1 & 2) (KLD)	Proposed in Expansion under Phase-III (KLD)	Total after expansion (KLD)	1.	Dust suppressions & other utilities	1600.0	1700	3300	2.	Gardening	300	200	500	3.	Domestic	600	600	1200		Total:	2500 KLD	2500 KLD	5000 KLD	Noted. AKPL has laid a pipeline from Nakalakalva drain to Port along with pumping system having separate water flow meter to measure the quantity of water being pumped from the drain. The water is being used for dust suppression, firefighting etc. - The consented source of water is from Muthukur Reservoir with a withdrawal quantity of 1000 KLD and 4 MLD of water from Nakkala kalava drain. - AKPL is submitting the water consumption details to APPCB on monthly basis and Half-yearly basis to MoEF & CC.
S. No.	Purpose	Qty as per CFO (Phase-1 & 2) (KLD)	Proposed in Expansion under Phase-III (KLD)	Total after expansion (KLD)																							
1.	Dust suppressions & other utilities	1600.0	1700	3300																							
2.	Gardening	300	200	500																							
3.	Domestic	600	600	1200																							
	Total:	2500 KLD	2500 KLD	5000 KLD																							

5

Wastewater generation

S.No.	Purpose	Qty as per CFO (Phase-1 & 2) (KLD)	Proposed in Expansion under Phase-III (KLD)	Total after expansion (KLD)
1	Other Utilities	-	240	240
2	Domestic	300	450	750
	Total	300 KLD	690 KLD	990 KLD

Treatment & Disposal (As per EC order)

Source of effluent	Treatment	Mode of final disposal
Domestic	Sewage Treatment Plant of capacity of 700 KLD consisting of Sewage collection Sump, Fluidized Bed Bio Reactor, Secondary clarifier, Clarifier Water Tank, Dual Media Filter, treated water tank, Sludge drying beds etc.	Treated domestic effluents shall be utilized for Green belt development and dust suppression
Utilities	Effluent Treatment Plant of 300 KLD capacity consisting of Neutralization tank, Equalization tank, Oil Grease trap, flash mixing tank, clariflocculator, aeration tank,	Treated effluent shall be reused for green belt and for dust suppression.

AKPL has been operating

- 500 KLD STP (1 X 300 KLD & 1 X 200 KLD) at CVR Amenities Complex

- 40 KLD STP Admin. Building

Treated water being used to Green belt development.

		secondary clarifier, holding tank, pressure sand filter, activated carbon filter, sludge drying beds etc. for treating effluents																													
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 wastewater shall be used for development of greenery, dust suppression, re-used for various purposes within the premises.			Noted. AKPL has been operating - 500 KLD STP (1 X 300 KLD & 1 X 200 KLD) at CVR Amenities Complex - 40 KLD STP Admin. Building - The treated water details for the last six months are as below: <table><tr><th>Month</th><th colspan="2">STP Treated water Quantity (KL)</th></tr><tr><th></th><th>Admin Building</th><th>CVR Complex</th></tr><tr><td>April'25</td><td>383</td><td>3760</td></tr><tr><td>May'25</td><td>421</td><td>3809</td></tr><tr><td>June'25</td><td>294</td><td>4445</td></tr><tr><td>July'25</td><td>403</td><td>3968</td></tr><tr><td>August'25</td><td>279</td><td>4141</td></tr><tr><td>September'25</td><td>345</td><td>3616</td></tr><tr><td>Average KL/M</td><td>354.17</td><td>3956.5</td></tr></table>	Month	STP Treated water Quantity (KL)			Admin Building	CVR Complex	April'25	383	3760	May'25	421	3809	June'25	294	4445	July'25	403	3968	August'25	279	4141	September'25	345	3616	Average KL/M	354.17	3956.5
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7	<u>Air:</u> The Air pollution Control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution: <table><tr><th>S. No.</th><th>Details of stack</th><th>Stack 01</th></tr><tr><td>a)</td><td>Attached to</td><td>D.G. Sets</td></tr><tr><td>b)</td><td>Capacity of D.G. set</td><td>5 x 2000 KVA, 1 x 1000 KVA, 2 x 750 KVA, 5x 500 KVA, 3 x 320 KVA, 3 x 250 KVA, 3 x 160 KVA, 10 x 125 KVA. 10</td></tr></table>			S. No.	Details of stack	Stack 01	a)	Attached to	D.G. Sets	b)	Capacity of D.G. set	5 x 2000 KVA, 1 x 1000 KVA, 2 x 750 KVA, 5x 500 KVA, 3 x 320 KVA, 3 x 250 KVA, 3 x 160 KVA, 10 x 125 KVA. 10	Being complied. As per the CPCB guidelines, Port has installed Retrofit Emission Control Device (RECDs) for Greater than 125 KVA DGs. • The DG Sets are being operated as back up for emergency lighting & safety during power breakdowns. • Retrofitting certification was carried out for the DG Sets. The DG Sets are being monitored once in 6 months through a SV enviro NABL Accredited 3rd Party and submitting the analysis reports the concerned departments. DG Monitoring analysis reports attached as Annexure 12																		
S. No.	Details of stack	Stack 01																													
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			x 82.5 KVA, 3 x 380 KVA	
	c)	Fuel	Diesel	
	d)	Stack height above the ground	This condition has been amended vide CFE order No: 633/APP/CB/C FE/RO-NLR/HO/2010 dated 06.04.2021 The Port shall provide stack heights for the DG sets based on the following formula. $H = h + 0.2\sqrt{KVA}$ A Where H= Total height of the stack in meters, h= Height of the building in meters.	
	e)	Details of air pollution control equipment	Acoustic enclosures with silencers	
8	The proponent 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.			Complied. - Mechanized loading and unloading of cargo shall be implemented to avoid emission from vehicle movement. - All the loaded trucks and wagons shall be covered with tarpaulins. - Provided mechanized ship loaders & unloaders and conveyer systems - Provided Water sprinkler system in ship unloaders and conveyer system for dust suppression. - Provided GI sheet covering for all transfer towers and Conveyor. - Provided MDSS with 248 Nos sprinklers at yards - Deployed 12 Nos. of Truck mounted sprinklers for roads and transit areas & stock piles.

				- Provided 3 No. heavy duty vacuum sweeping machines for cleaning the roads and jetty areas..
9	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.			Being complied. All the existing transfer tower points have been covered using GI sheets with openings as required for access and sprinklers have been installed for dust suppression.
10	Hazardous / Solid Waste details: The Port Authority shall comply with the following w.r.t disposal of solid waste after expansion:			Complied All the hazardous waste generated by the Port are collected, stored, and disposed to authorized recyclers/re-processors.
	S.No	Name of Waste	Quantity	Mode of disposal
	1	Solid waste (degradable)	1800 kg/day	To reuse green belt as manure for
	2	Solid waste (Non-degradable)	200 kg/day	To authorized recyclers
	3	STP sludge	120 kg/day	To be used as manure
	4	ETP sludge	50 kg/day	To TSDF for secured land fill
	5	Oil containing cargo residue washing water and sludge	250 KLPA	To authorized recyclers/ reprocessors / TSDF
	6	Chemical cargo containing residue and sludge	100 KLPA	
	7	Sludge and filters contaminated with oil	200 TPA	
	8	Ballast water containing oil from ships	250 KLPA	
	9	Used/ Spent Oil	350 KLPA	
10	Wastes / residues containing oil	100 KLPA		
				E - Waste is being collected and disposed to SPCB authorized E-waste recyclers and submitting the details in Form – 3 to SPCB regularly Hazardous waste (Waste oil) – AKPL is quantifying the waste oil and disposing to SPCB authorized Waste oil recyclers through APEMCL portal and submitting the details in Form – 4 to SPCB regularly Latest Submission on 29.04.2025. Copy attached as Annexure -29

	11	Sludge from treatment of waste water arising out of cleaning/ disposal of barrels/ containers	100 TPA	To authorized recyclers/ reproprocessors / TSDF	
	12	Discarded containers/ barrels/ liners contaminated with Haz. Waste/ chemicals	100 TPA		
	13	Flue gas cleaning residue	10 TPA		
	14	Chemical waste sludge from water treatment	100 TPA		
	15	Oil and grease skimming residues	20 TPA		
11	The following rules and regulations notified by the MOE&F, GOI shall be implemented.				Noted. The port shall comply with rules and regulations notified by the MOE&F, GOI.
	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.			
	Other Conditions:				
12	The Port shall comply with the following conditions as committed during the CFE Committee meeting held on 23.02.2021:				
	•	M/s. KPCL shall implement Mechanized MDSS systems for effective dust control. Water			Noted. Port installed and operating Mechanical Dust Suppression System (MDSS) with 248 Nos. of

		meters and energy meters shall be installed to record the quantity of water consumed and electricity consumed for MDSS systems.	sprinklers at coal stacking and wagon loading areas. Separate Energy meters are installed to record the electricity consumption for MDSS.
	•	M/s. KPCL shall conduct performance evaluation of MDSS systems.	Being complied. AKPL is being conducted performance evaluation of MDSS systems
	•	M/s. KPCL shall explore the possibility of usage of Chemical suppressants such as Sodium / Potassium Aluminates, for effectively mitigating the dust emissions during coal / dusty cargo handling.	Noted.
	•	M/s. KPCL shall restrict the coal stack height to 10 m only. In future, APPCB will examine the increase in stack height of dusting cargo from 10 m to 12 m depending up on the justification submitted by the port.	Being Complied. AKPL is maintaining coal stack height to 10 m only
	•	This condition has been amended vide CFE order No: 633/APPCB/CFE/RO-NLR/HO/2010 dated 06.04.2021 The Govt. of A.P allotted surface water i.e., 1000 KLD from Muthukur Reservoir and 4MLD of water from Nakkalakalva irrigation waste water drain, which is sufficient to meet the total water requirement for port utilization for Phase-III. Further, Nellore Municipal Corporation commissioned one STP of 5 MLD capacity to treat municipal sewage. STPs of capacity 70 MLD are under construction. The Port shall explore possibility of utilization of treated waste water for dust suppression purpose in the Port area. The KPCL shall not draw the ground water under any circumstances.	Being Complied. - The consented source of water is from Muthukur Reservoir with a withdrawal quantity of 1000 KLD and 4 MLD of water from Nakkala kalava drain. - AKPL is collecting 1000 KLD of water from Muthukur Reservoir through tankers and Nakkala Kaluva water is through pipeline directly to Port. - AKPL is submitting the water consumption details to APPCB on monthly basis and Half-yearly basis to MoEF & CC. AKPL has obtained permission from GoAP and valid NOC dated 17.06.2025 from Ground water and water audit department for withdrawal of ground water in Non CRZ area. Copy of the same is attached here with as Annexure 9
	•	M/s. KPCL shall allow the effluents / leachate generated from dust suppression / coal handling etc., into sea under any circumstances. The garland drains, settling tanks shall be de-silted regularly for free flow.	Noted. The port shall not allow the run off water from coal storage yards and water from dust suppression to the sea. The run off water shall be diverted to sedimentation pits and water shall be used for green belt, dust suppression.
	•	Greenbelt of width 100 m shall be developed along the boundary of the port as committed in the public	Noted. AKPL has maintaining 100 m width of Greenbelt along the Port boundary with native species.

		hearing (para no. 5 of EC order dt.11.01.2021) and as stipulated in the CFE order dt.08.05.2010. The greenbelt shall be developed in an area not less than 120 Ha along the Port boundary and around the coal storage areas with native species, as stipulated in EC order dt.11.01.2021. Saline water-resistant saplings shall be planted as Bay-of-Bengal is located in the vicinity.	As of now, the greenbelt developed to an extent of 222.16 Ha Latest Green Belt drawing attached as Annexure 3
	•	The liquid cargo / chemicals shall be stored in the port area complying with OISD norms. All precautions shall be taken to prevent any chemical accidents. The chemicals stored in the port premises and their capacities shall be informed to the EE, RO: Nellore from time to time.	Noted. The Port shall inform the type of chemicals and their capacities to the Environment Engineer, APPCB Regional office, Nellore up on commissioning of the same after obtaining CFO.
	•	This condition has been amended vide CFE order No: 633/APPCB/CFE/RO NLR/HO/2010 dated 06.04.2021 The Port shall implement effective dust suppression measures to meet National Ambient Air Quality standards.	Complied. AKPL has been implementing effective dust suppression measures on site.
	•	This condition has been amended vide CFE order No: 633/APPCB/CFE/RO-NLR/HO/2010 dated 06.04.2021 The Port shall maintain and operate 3 nos. of CAAQM stations properly, consistently and transmit the data to the APPCB server, online.	Complied. Port installed and operated 5 nos. CAAQM station towards Chalivendram village, Thamminapatnam village and Krishnapatnam village, South side and north side of port All 5 CAAQM stations consistently and transmit the data to the APPCB server, online.
	•	The Coal stock yard shall be enclosed suitably to have three layers of green belt of varying height on all the sides.	Being complied. Maintaining sufficient width of greenbelt around the coal stack yard zones.
	•	Dusty cargos shall be handled through mechanized handling equipment for loading & unloading operations.	Being complied Dusty cargo of coal being handled through Mechanized berths of 6,7,8. Conveyors are designed with covering hood.
	•	Closed conveyor belt with water sprinkling arrangement shall be provided for conveying dusty cargos like coal& iron ore.	Complied AKPL has provided Closed conveyor belt with water sprinkling arrangement for conveying dusty cargo of coal to port-based industries.

	•	The ship un-loader for unloading and transfer of material shall be provided with in-situ water sprinkling system to avoid dust nuisance.	Being complied AKPL has provided Closed conveyor belt with water sprinkling arrangement for conveying dusty cargo of coal to port-based industries.
	•	Mechanical stackers cum reclaimers for staking transfer and reclamation and conveyors for transfer of materials without manual handling.	Complied. AKPL has provided Mechanical stackers cum reclaimers for staking transfer and reclamation and conveyors for transfer of materials.
	•	Dry fogging system shall be provided at transfer points.	Complied. Closed conveyor belt with water sprinkling arrangement for conveying dusty cargo of coal to port-based industries.
	•	Automatic water sprinkling shall be provided at all dusty cargo stock yards. There shall be interlocking between the CAAQM station values for particulate matter and MDSS.	Noted and being complied. Mechanical dust suppression system is in place in the Port, the same shall be enhanced for the future expansion. Port shall also explore the possibilities of installing automatic water sprinkling system.
	•	The facility shall maintain standby centrifugal pump with drive motor for uninterrupted dust suppression of the cargo.	Being Complied. AKPL is being maintained standby centrifugal pump with drive motor for uninterrupted dust suppression of the cargo.
	•	The coal & iron ore shall be transported by rail from the stacking area as far as possible. The residual cargo if any shall be transported by road through covered trucks duly complying with the following measures:	Being complied. Port is transporting coal to the nearby Power plants through closed conveyors, and to the steel plants and cement plants the coal is being transferred through rail with tarpaulin covers, only a small quantity of coal is being transferred through truck covered with tarpaulins.
		i. Traffic congestion shall be avoided.	Being complied AKPL appointed M/s. FP Project Management to study and prepare a Traffic Management and Decongestion Plan. AKPL has been implementing study recommendations on site. Report submitted to the competent authorities on 11.07.2024 with vide letter no. AKPL/EC/EHS/032 dated 03.07.2024 to R & B Dept and NUDA. Copy of the Acknowledgement is attached as Annexure 27.
		ii. Automated mechanical water sprinkling shall be provided on roads and at dusty cargo storage areas, for suppression of dust.	Being complied. Fixed DSS (Dust Suppression System) already installed at south side of the port. Dust Suppression System (DSS) tankers fitted with pressure pumps to suppress the dust emissions

			at yards and progressively increased water sprinklers & other required dust containment / suppression measures to mitigate the dust emissions on vehicular movement during cargo evacuation
		iii. All the vehicles involved in transportation of cargo during the break downs shall be covered with tarpaulin and also ensure to manage vehicles	Being Complied. Ensuring 100% Tarpaulin coverage to Coal Trucks on par with the cargo handling capacity.
		iv. The truck movement shall be through a dedicated road meant for truck movement located and avoid movement of trucks closer to residential areas.	Noted. Port has dedicated 4 lane road connecting NH-16 for truck movement.
		v. The trucks shall be fully covered with tarpaulin while plying with cargo on the roads.	Being Complied. Ensuring 100% Tarpaulin coverage to Coal Trucks on par with the cargo handling capacity.
		vi. All cargo vehicles moving out from the port shall be passed through vehicle wheel wash area.	Noted. Port has installed two number of wheel washing facility for out going trucks leaving the Port.
	•	The port shall provide oil spill containment facilities around the SBM.	Noted. Port is equipped with Tier-1 Oil spill response equipment, after completion of SBM works oil spill contain facility shall be provided.
	•	The port shall take necessary environmental protection measures for the dump yard of the dredged material.	Being Complied. Port has been implementing necessary environmental protection measures for the dump yard of the dredged material.
13	The industry shall comply with all the conditions stipulated in the EC order dt.11.01.2021 issued by MoEF & CC, Gol, New Delhi under Phase-III.		Being complied. AKPL is complying all the conditions stipulated in EC & CRZ clearance dated 11.01.2021.
14	Fire detection and fire fighting facilities with adequate water storage facility shall be provided in fire prone area in consultation with competent authorities.		Noted. AKPL has adequate firefighting facilities with water storage facility for the entire Port area. For Phase-III expansion, Port shall enhance the firefighting facility as required.
15	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.		Noted. Onsite emergency plan has been prepared and submitted to District Collector for incorporating with Offsite emergency plan of District magistrate. ➤ Latest DMP update copy submitted to District Magistrate office on 30.08.2024. The last update was on 30.08.2024 and submitted to Collector & District Magistrate and MoEF&CC along with six monthly compliance

		report vide letter No. AKPL/CORPORATE AFFAIRS/DMP/071/2024-25 (Oct'24 to Mar'25) on 30.05.2025. Copy Attached as Annexure 6
16	The Port Authorities 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.	Being Complied. AKPL is not storing any chemicals within the port premises.
17	The Port Authorities shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.	Being Complied. AKPL has obtained Fire NOC from consent department for within the premises of the port. Copy of approvals are attached as Annexure 8
18	The Port Authorities shall submit risk assessment report covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.	Complied. Latest DMP update copy submitted to District Magistrate office on 30.08.2024. The last update was on 30.08.2024 and submitted to Collector & District Magistrate and MoEF&CC along with six monthly compliance report vide letter No. AKPL/CORPORATE AFFAIRS/DMP/071/2024-25 (Oct'24 to Mar'25) on 30.05.2025.
19	The Port Authorities shall obtain prior permission from MoEF&CC, Gol and APPCB for any changes in the cargo type / capacity.	Noted and being complied. AKPL will obtain prior permission from MoEF&CC, Gol 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.	Being complied. - Appointed an NABL accredited agency to carry-out Terrestrial & Marine Monitoring and STP inlet & outlet sample analysis. The reports for the period from April'25 to September'25 are attached as annexure 12 - In addition, NCSCM is Monitoring the Land, Air quality, Noise, Water, Marine, Marine sediment parameters and mangroves, ones in four years. Latest NCSCM Monitoring report submission acknw copy is attached as Annexure-5
21	The industry shall submit compliance to the conditions stipulated in the EC and CFE	Complied.

	orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission_Compliance_of_EC_CFE_CFO_Direction.aspx .	Copies of the Acknowledgements are attached as Annexure-15
22	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.	Condition is Noted.
23	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.	Condition is Noted.
24	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.	Condition is Noted.

Adani Krishnapatnam Port Limited
Compliance Report on conditions stipulated in the Consent to Operation (CTO) Order
of APPCB Dt. 11.11.2022

S No	CFO conditions	Status
Schedule – A		
1	Any up-set condition in any industrial plant / activity of the industry, 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.	This condition is noted, any upset condition in port operations will inform to Honorable board.
2	The port 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 Followed. The STP inlet & outlet water quality is being analyzed through NABL Accredited 3rd party agency monthly and the reports of same attached, values are within the Standard limits. The consolidated Environment Monitoring Reports for the period from Apr'25 to Sep'25 is included in this report attached as Annexure 12
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.	Condition is Noted, AKPL abide with Public Liability Insurance Act, 1991.
4	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.	Condition is Noted, AKPL is withstanding with all conditions stipulated in consent order.
5	The industry 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.	Condition is Noted, AKPL will inform to honorable board, if any change in the process technology, source & composition of raw materials.
6	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.	Complied Environmental Statement in Form – V is being submitted annually. Latest Form-V Environment Statement for the FY 2024-2025 is submitted on 16.07.2025. Copy attached as Annexure 13

7	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 CFO conditions for obtaining Consent & HW Authorization of the Board.	Noted, will apply for Auto renewal through online consent management system before 120 days. AKPL obtained CFO & HWA from APPCB vide order No APPCB/VJA/ NLR/ 11344/CFO/HO/2019 dated 11.11.2022 valid up to 31 st August 2027.
8	The port 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.	Condition is Noted.
9	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.	Condition is Noted, AKPL abide with Water(Prevention and Control of Pollution) Act, 1974 and Section 31 of the Air(Prevention and Control of Pollution) Act, 1981.
10	The conditions stipulated are without prejudice to the rights and contentions of this Board in any Hon'ble court of law.	Condition is Noted.
11	The port 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.	Condition is Noted.
12	The port may explore the possibility of tapping the solar energy for their energy requirements.	Being complied AKPL is consuming captive renewable power of 2.5 MW from Khavda, Gujarat. We installed CC TV cameras and operating by trapping solar energy through panel installed on CC TV pole.

13	The port should educate the workers and nearby public of possible accidents and remedial measures.	Being complied. AKPL is providing periodical training and awareness campaign to educate the workers and nearby public of possible accidents and remedial measures.

S. No	Conditions	Compliance
	Schedule - B	
1.	The port shall complete mechanizing of Berth No.6 by 31st March 2023.	Complied. Mechanization of berth no 6 is completed in December 2022 and present in operation.
2.	The port shall complete the mechanization of Berth No. 5 within 24 months from the date when the coal handled at Berth No. 5 is adequate to handle through mechanization system. Till the mechanization is completed, the port shall do sprinkling along with MDSS to control dust pollution due to handling of coal.	Being Complied. Mechanization of berth No.5 work is under progress. Mobile atomizers and water tankers are being deployed while handling coal at berth no 5. Ensuring progress increase of the deployment of water sprinklers and other required dust containment/suppression measures to mitigate the dust emissions on vehicular movement during cargo evacuation on par with the cargo handling capacity.
3.	The port shall maintain the existing greenbelt of 100m width along the periphery. Further, development of 100m green belt at other expansion areas shall be taken up at the time of expansion of the port facility and shall be completed within 3 years.	Being Complied. AKPL has planted 29833 No. s of saplings for the period of April to September'25 in FY 2025-26 100 meters width of greenbelt developed around the port periphery with native species. Latest Green Belt Drawing is attached as Annexure 3
4.	The port shall develop the 20m width greenbelt along the existing coal stock yards as per EC & CFO conditions within a time period of 2 years	Complied. 20 meters width of greenbelt developed around the coal stack yard zones.
5.	The port shall maintain storm water drains and improvement of the storm water drains in new areas shall be taken up along with the expansion of the port.	Being followed. Storm water drains are being maintained periodically and during monsoon season.
6.	The source of water is Muthukur Reservoir 1000 KLD and 4 MLD of water from Nakkala kalava irrigation drain. The maximum permitted water consumption after proposed expansion is as following:	The average water consumption for the period of April'25 to Sep'25 Water Consumption for the period from Apr'25 to Sep'25

	<table><tr><th>S. No.</th><th>Purpose</th><th>Quantity</th></tr><tr><td>1.</td><td>Dust suppressions & Miscellaneous (Fire protection services)</td><td>1950.0 KLD</td></tr><tr><td>2.</td><td>Gardening</td><td>400.0 KLD</td></tr><tr><td>3.</td><td>Domestic</td><td>650.0 KLD</td></tr><tr><td></td><td>Total:</td><td>3000.0 KLD</td></tr></table> Separate meters with necessary pipe-line shall be maintained for assessing the quantity of water used for each of the purposes mentioned above	S. No.	Purpose	Quantity	1.	Dust suppressions & Miscellaneous (Fire protection services)	1950.0 KLD	2.	Gardening	400.0 KLD	3.	Domestic	650.0 KLD		Total:	3000.0 KLD	<table><tr><th rowspan="2">Month</th><th colspan="2">Industrial Consumption (KLD)</th><th rowspan="2">Domestic Consumption (KLD)</th></tr><tr><th>DSS</th><th>Gardening</th></tr><tr><td>April'25</td><td>1915.0</td><td>324.0</td><td>632.0</td></tr><tr><td>May'25</td><td>1930.6</td><td>332.6</td><td>628.4</td></tr><tr><td>June'25</td><td>1931.3</td><td>338</td><td>628.7</td></tr><tr><td>July'25</td><td>1936.3</td><td>372.1</td><td>628.7</td></tr><tr><td>August'25</td><td>1927.4</td><td>358.4</td><td>622.6</td></tr><tr><td>September '25</td><td>1857.7</td><td>338.1</td><td>609</td></tr><tr><td>Consent Qty.</td><td>1950</td><td>400</td><td>650</td></tr><tr><td>Average</td><td>1916.39</td><td>343.87</td><td>624.90</td></tr></table> ➤ STP Treated water has been utilized for greenbelt development within the port premises. ➤ STP sludge is being used as manure for the development of green belt within the port. ➤ Provided a Food Waste Converter facility to convert the domestic & canteen waste generated within the Port and utilizing the same as manure for development of Nursery & Greenbelt.	Month	Industrial Consumption (KLD)		Domestic Consumption (KLD)	DSS	Gardening	April'25	1915.0	324.0	632.0	May'25	1930.6	332.6	628.4	June'25	1931.3	338	628.7	July'25	1936.3	372.1	628.7	August'25	1927.4	358.4	622.6	September '25	1857.7	338.1	609	Consent Qty.	1950	400	650	Average	1916.39	343.87	624.90
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7.	The port shall comply the following effluent discharge standards based on the disposal points permitted: <table><tr><th>Outlet</th><th>Parameter No.</th><th>Limiting Standards</th></tr><tr><td rowspan="5">1</td><td>pH</td><td>6.50 – 9.00</td></tr><tr><td>Total Suspended Solids (TSS at 103 – 105°C)</td><td><100.00 mg/l</td></tr><tr><td>Oil and Grease</td><td>10.00 mg/l</td></tr><tr><td>Biochemical Oxygen Demand (BOD 3 days at 27°C)</td><td>30.00 mg/l</td></tr><tr><td>Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)</td><td><1000 MPN/100 ml</td></tr></table>	Outlet	Parameter No.	Limiting Standards	1	pH	6.50 – 9.00	Total Suspended Solids (TSS at 103 – 105°C)	<100.00 mg/l	Oil and Grease	10.00 mg/l	Biochemical Oxygen Demand (BOD 3 days at 27°C)	30.00 mg/l	Fecal Coliform (FC) (Most Probable Number per 100 milliliter, MPN/100ml)	<1000 MPN/100 ml	AKPL has been operating - 500 KLD STP (1 X 300 KLD & 1 X 200 KLD) at CVR Amenities Complex - 40 KLD STP Admin. Building ➤ STP Treated water has been utilized for greenbelt development. ➤ The STP inlet & outlet water quality is being analyzed through NABL Accredited 3rd party agency monthly and the values are within the limited standards.																																							
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8.	The port shall comply with emission limits for DG sets of capacity up to 800 KW as per the Notification G.S.R.520 (E), dated 01.07.2003 and ~S.R.448(E), dated 12.07.2004 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	As per the CPCB guidelines, Port has installed Retrofit Emission Control Device (RECDs) for Greater than 125 KVA DGs. AKPL appointed an NABL Accredited Laboratory for Environment, Terrestrial & Marine Monitoring. DG stack Emission is being monitored by the third party half yearly and submitting reports of the same to Board. Last monitoring carried out on September 2025 and analysis reports attached as Annexure 12
9.	The port shall comply with ambient air quality standards of PM10 (Particulate Matter size less than 10µ.m) - 100 µg/ m³; PM2.5 (Particulate Matter size less than 2.5 µm) - 60 l.ig/ m³; SO₂ - 80 µg/ m³; NO_x - 80 l.ig/m³, outside the factory premises at the periphery of the industry. Standards for other parameters as mentioned in the National Ambient Air Quality Standards CPCB Notification No.E-29016/20/90/PCI-I, dated 18.11.2009. Noise Levels: Day time (6 AM to 10 PM) - 75 dE (A) Night time (10 PM to 6 AM) - 70 dB (A)	Being complied. AKPL is operating 5 No's of Continuous Ambient Air Quality Monitoring stations at 1. CVR Amenities Complex, 2. Thamminapatnam Village 3. Krishnapatnam Village 4. North side of the Port 5. Sout side of the port Parameter of PM2.5, PM10, SO₂, NO_x, CO and NH₃ and connected to APPCB website. AKPL appointed an NABL Accredited Laboratory for Environment, Terrestrial & Marine Monitoring. Noise level monitoring carried out in 7 locations same reports submitting monthly basis to APPCB RO Nellore.
10.	The Port shall take all measures including latest available technologies to comply with above ambient air quality standards	Being Complied. AKPL has been implementing the below measures to control emissions: Operating Mechanical Dust Suppression System (MDSS with 248 Nos. of sprinklers) at coal stacking and wagon loading areas. a. 12 Nos. of Truck mounted sprinklers for roads and transit areas. b. 4 Nos. of heavy-duty Atomized Sprayers c. Provided hoppers for cargo unloading. d. Mechanized coal handling at 3 berths i.e., berth 6,7,8. Conveyors are designed with covering hood. e. Operating 3 Heavy duty vacuum sweeping machines. f. Ensuring 100% Tarpaulin coverage to Cargo loaded Trucks and Rakes.

		g. Erected wind breaking shield of 450m on western side towards krishnapatnam village. h. Developed 222.16 Ha of Green belt along port boundary, around coal yards, avenue & median plantations.
11.	The Port shall not increase the capacity beyond the permitted capacity mentioned in this order, without obtaining CFE & CFO of the Board	Being Complied. AKPL handled permitted Commodities as per the CTO order.
12.	Coal stack heights in all coal yards shall not be more than 12mts.	Noted and being complied AKPL is maintaining Coal stack heights less than 12 m.
13.	The port shall ensure required wetness all the time on the surface of stockpiles to avoid the dust emissions from the stockpiles.	AKPL has been carrying out sprinkling around the stockpiles and operating MDSS.
14.	The port shall install sufficient number of CAAQM stations in between the villages and the port area. The stations shall be located at the periphery of the villages to monitor all the parameters given in the consent order.	Complied. AKPL is operating 5 No's of Continuous Ambient Air Quality Monitoring stations at 1. CVR Amenities Complex, 2. Thamminapatnam Village 3. Krishnapatnam Village 4. North side of the Port 5. Sout side of the port CAAQMS data consistently configured to APPCB server.
15.	The port shall maintain properly the three CAAQM stations provided and shall be connected to APPCB website.	Complied. In addition to the 3 CAAQMS, AKPL provided additional 2 CAAQMS in the month of June'25. All 5 stations connected to APPCB server. Latest calibration reports attached as Annexure 30
16.	Unloading of iron ore from the railway wagons house should be carried out with wagon tipplers only, in case, handling of iron ore is more than 6 MTPA. As and when iron ore handling is to be done intermittently, it should be handled with water sprinkling system at high pressure with swiveling type nozzles operated regularly to cover entire stockpile. Nozzles shall be operated along stockpile at regular Intervals to cover stockpile height and width.	Noted for compliance AKPL has been carrying out sprinkling around the stockpiles and operating MDSS during handling of Iron ore.
17.	The port shall take adequate air pollution control measures with respect to the enhanced dusty materials handling capacities	Complied. Engaged 12 Nos. of Truck mounted sprinkler tankers for water sprinkling on roads and transit areas to control dust emissions.
18.	The port shall stock all the dusty materials	Being Complied

	within the designated storage yards only.	All the dusty cargos have been stored in Designated storage yards only.
19.	The port activities are concentrating in north quay by construction of 12th Berth, hence the stocking of dusty materials shall not be extended towards the residential areas around the port area.	Noted for compliance. We will not be extending dusty materials stocking towards the residential areas.
20.	The dusty materials transporting vehicles shall be closed in all respects/ covered with tarpaulin for controlling fugitive emissions	Being Complied. Provided 27 No. of Truck tarpaulin covering stations and ensuring all the outgoing cargo vehicles are properly covered with tarpaulin and tightened with rope to control fugitive emissions and transit spillages.
21.	The port shall provide wheel washing facility near the dusty cargo stocking area, to the freighted vehicles going outside the port.	Complied. Operating 2 No. of Truck wheel washing facilities and ensuring the outgoing trucks are cleaned properly before leaving the premises. i. One facility at NEC Road, Near to East - West Gate. ii. One facility at Southern side of the Port at North side of the Port.
22.	The port shall inform the modifications made in port infrastructure developments to the MoEF&CC and to the Board time to time.	Being complied. AKPL will inform to honorable board if any modifications in port infrastructure developments.
23.	The port shall obtain EC for any change of scope of the project and shall restrict the port activities as permitted vide EC Orders Dt.26.07.2006 for Phase - I, 13.11.2009 for Phase - II & Phase-III (Expansion) 11.01.2021	Noted and being complied.
24.	The port shall continuously operate the 3 CAAQM stations installed in between villages and port area to monitor all the parameters given in the consent order and upload the data continuously to the APPCB / CPCB websites.	Complied. AKPL is operating 5 No's of Continuous Ambient Air Quality Monitoring stations at 1. CVR Amenities Complex, 2. Thamminapatnam Village 3. Krishnapatnam Village 4. North side of the Port 5. Sout side of the port CAAQMS data consistently configured to APPCB server.
25.	The MDSS system shall be in operation wherever the stock of any bulk material (Dusty cargo) is piled in a way to ensure wetness on the surface of stockpiles.	Complied. Water sprinklers were arranged all the stock yards and operated for maintaining wetness to control dust emission.
26.	As regards to deviation in location of facilities such as stockpiles and other facilities, from the originally envisaged	Being complied. AKPL strictly adhere to this condition

	plan, amendments for the EC and CFE have to be obtained immediately.	
27.	The port shall maintain the existing green belt with adequate width and density and in vacant places	Complied. AKPL has Developed 222.16 Ha of Green belt along port boundary, around coal yards, avenue & median plantations.
28.	The port shall use road sweeping machines to clean all port internal roads regularly.	Complied. AKPL has been operating 3 no. of heavy-duty Vacuum Sweeping machines and 6 mechanical road sweeping machines.
29.	The port shall ensure that the trucks transporting cargos to outside the port shall be covered with tarpaulin to avoid fugitive emissions / spillages.	Being complied. Provided 27 No. of Truck tarpaulin covering stations and ensuring all the outgoing cargo vehicles are properly covered with tarpaulin and tightened with rope to control fugitive emissions and transit spillages.
30.	All conveyor belts and other transfer points shall be covered with GI sheets to mitigate fugitive emissions generated during conveying of dusty cargos.	Complied Provided GI Sheet cladding and with sprinklers system to control fugitive emissions.
31.	The port shall maintain water sprinklers for effective control of fugitive emissions generated during handling of cargo and increased volume of vehicular traffic.	Complied. Engaged 12 Nos. of Truck mounted sprinkler tankers for water sprinkling on roads and transit areas to control dust emissions.
32.	The port shall maintain Mechanical Dust Suppression System (MDSS) for stock yards, dusty cargo berths and conveyor belts.	Maintaining Mechanical Dust Suppression System (MDSS) for stock yards, dusty cargo berths and conveyor belts.
33.	The port shall develop and maintain 100 m width greenbelt along the periphery & 20m width around coal stack yards as per EC / CFE condition.	Being complied. AKPL has developed and maintained 100 m width greenbelt along the periphery & 20m width around coal stack yard zones as per EC / CFE condition.
34.	The port shall maintain empty dusty cargo vehicles washing system to clean dusty cargo empty vehicles.	Complied. Operating 2 Truck wheel washing facilities (1.North & 2.South side of Port) and ensuring the outgoing trucks are cleaned properly before leaving the premises.
35.	The port shall record the energy consumption for the energy meters provided for Sewage Treatment Plant (STP), pump houses to water sprinklers / dust suppression measures and Air Pollution Control Equipment's (APCE)	Being complied. AKPL has been recording and maintaining the energy consumption for the energy meters provided for Sewage Treatment Plant (STP), pump houses to water sprinklers / dust suppression measures.
36.	The port shall not allow any hazardous wastes through the port other than waste oil from DG Set, Waste oil from Ship, Wastes / residues containing oil from ships, used oil generated in the Port without prior	Being Complied. Hazardous waste generated in port premises is being disposed through APEMCL portal.

	permission of Board and shall comply with EC conditions.	
37.	The port shall not store any hazardous waste within the premises as per the time frame mentioned in HWM Rules	Being followed. AKPL is not storing any hazardous waste within the premises as per the time frame mentioned in HWM Rules.
38.	In case a leaky container of hazardous cargo is found, a separate permission of the Board may be obtained after establishing the quality and the type of waste for disposal	Noted and being complied.
39.	All types of the fertilizers should be stored in the closed warehouses only. The Port should ensure that there should not be any open storage of urea or any other fertilizer materials. There shall not be any effluent generation	Complied. Provided closed sheds to store the fertilizers.
40.	The port shall store fuel oils used for construction equipment, vessels and vehicles in a well-designed manner and protect them against fire hazards by construction of compound wall to prevent access to unauthorized elements. The surface run off from storage area shall pass through oil water separator before being discharged.	Complied AKPL is strictly implementing all safety measures and ensuring to avoid the unauthorized elements.
41.	The port shall provide fire detection and firefighting facilities with adequate water storage in fire prone areas in consultation with Directorate of firefighting.	Complied. Port is equipped with Fire fighting and detection facilities. Infrastructure like trained Fire Team, Fire Tenders (Multi purpose Fire Tender), semi fire tender etc., available at Port. Fire NOC has been obtained for Buildings (Admin and ETS). Copy of approvals are attached as Annexure 8
42.	The port shall comply latest technologies for controlling fugitive emissions including the following: a) Fully mechanized handling equipment for loading and unloading operations b) Closed conveyor belt with water sprinkling arrangement for suppression of dust while conveying dusty cargoes like coal, iron ore etc. c) Specially designed iron ore ship loader with necessary precautions to reduce drop height of iron ore into the ship, while handling more than 6 Million Tons per annum. d) Mechanical water sprinkling shall be provided on roads and at dusty	Complied. a. Provided coal ship unloaders and conveyor at berths 6,7 & 8 b. Provided water sprinkling system in ship unloaders and conveyor system for dust suppression c. Provided Mechanical water sprinkling at coal storage yard and tankers to suppress the dust.

	cargo storage areas for suppression of dust.	
43.	The port shall maintain adequate number of ground water monitoring location on scientific basis and the same shall be monitored every six months	Being Complied. There is no ground water withdrawal within the port premises. AKPL appointed a NABL Accredited Laboratory to monitor the Ground water at 4 locations outside the port. As per the analysis reports, there was no adverse impact due to port operations. Six monthly reports are being regularly submitted to APPCB.
44.	The port shall construct the storm water drains to avoid the contamination of runoff with other effluents.	Being Complied. Storm water drains are being maintained periodically and during monsoon season.
45.	The port shall regularly clean the drains to avoid siltation.	Being complied. All the drains established within the port premises are being cleaned on periodic intervals of free flow of water.
46.	The port shall monitor compliance through Environment Management Cell with qualified and trained staff.	Complied Copy of Organogram of Environment Cell attached as Annexure 18
47.	The port shall maintain onsite emergency action plan after carrying out risk analysis and hazop studies	Emergency action Plan was prepared by analyzing all the risks in Port.
48.	The port shall comply with the conditions of CFE order dated 08.05.2010, 22.02.2018 and 25.2.2021.	Being complied. AKPL is complying all conditions of CFE order dated 08.05.2010, 22.02.2018 and 25.2.2021.
49.	The port shall submit monthly monitoring reports to RO: Nellore	Being submitted on a monthly basis. Consolidated Monitoring and Analysis reports for the Period from April'25 to September'25 are attached in this report attached as Annexure 12.
50.	The port shall comply with standards and directions issued by APPCB / CPCB / MoEF&CC as and when notifications are issued from time to time	Being complied. AKPL is complying with all directions issued by APPCB / CPCB / MoEF&CC.
51.	The port shall install 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 CFO; and exhibit the CFO order at a prominent place in the factory premises, as per Hon'ble Supreme Court order	Provided. AKPL has installed digital display board at publicly visible place at the zero point gate.
52.	The port shall submit Half yearly compliance reports to all the stipulated conditions in Environmental Clearance	Complied. AKPL has Submitted First Half yearly EC, CTE,

	(EC), Consent for Establishment (CFE) and Consent for Operation (CFO) through website i.e., https://pcb.ap.gov.in by 1st of January and 1st July of every year. The first half yearly compliance reports shall be furnished by the port and second half yearly compliance reports shall be the audited through MoEF&CC recognized and National Accreditation Board for Laboratory Testing (NABL) accredited third party	CTO compliance report for the period of April'24 to September'24 send to APPCB & CPCB through mail and the same copy was uploaded in Parivesh portal, APPCB Portal on 30.11.2024. AKPL has Submitted Second Half yearly NABL certified EC, CTE, CTO compliance report for the period of Oct'24 to Mar'25 send to APPCB & CPCB through mail and the same copy was uploaded in Parivesh portal, APPCB Portal on 30.05.2025. Copy of the Acknowledgements are attached as Annexure- 15
53.	The port shall possess valid NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) and submit a copy at concerned Regional Office, APPCB.	Complied. Fire NOC has been obtained for Buildings (Admin and ETS 1 & 2). Copy of approvals are attached as Annexure 8
54.	The port 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.	Complied AKPL is not storing any Hazardous chemicals within the premises.
55.	The port 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. AKPL is being conducted periodical training to the working personnel for the prevention of accidents and necessary antidotes to ensure safety.
56.	The port 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, R & O.	Being complied. AKPL periodically calibrating safety equipment and leak detection systems.
57.	The port shall install fluorescent Wind Vane at the highest point in the port premises	Complied Fluorescent Wind Vane Installed in Port premises.
58.	The port shall submit Risk analysis and risk assessment covering worst scenario clearly describing impact within the port premises and outside the port premises and emergency response system.	Complied. DMP covering emergency evacuation mechanisms etc., to deal with natural disasters was prepared. The last update was on 30.08.2024 and submitted to Collector & District Magistrate and MoEF&CC along with six monthly compliance report vide

		letter No. AKPL/CORPORATE AFFAIRS/DMP/071/2024-25 (Oct'24 to Mar'25) on 30.05.2025.
59.	The port 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.	Complied. AKPL is not storing any Hazardous chemicals within the premises.

Schedule C		
1	The authorized person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.	Condition Noted, AKPL abide with Environment (Protection) Act, 1986, and the rules made there under.
2	The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the State Pollution Control Board.	Condition Noted, we will produce all consent orders during inspection.
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.	Condition Noted AKPL will not rent, lend, sell, transfer, or otherwise transport the Hazardous and other wastes.
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	Condition Noted, AKPL abide with this condition.
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;	Complied. DMP covering emergency evacuation mechanisms etc., to deal with natural disasters was prepared. The last update was on 30.08.2024 and submitted to Collector & District Magistrate and MoEF&CC along with six monthly compliance report vide letter No. AKPL/CORPORATE AFFAIRS/DMP/071/2024-25 (Oct'24 to Mar'25) on 30.05.2025.
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".	Condition Noted, AKPL abide with 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 authorized person to take prior permission of the State Pollution Control Board to close the facility.	Condition Noted, AKPL will take prior permission of the State Pollution Control Board to close the facility.

8	An application for the renewal of an authorization shall be made as laid down under these Rules.	Condition Noted
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.	Condition Noted
Specific conditions		
10	The port shall comply with the provisions of HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016.	Condition Noted, AKPL abide with HWM Rules, 2016 in terms of interstate transport of Hazardous Waste and manifest document prescribed Under Rule 18 and 19 of the HWM Rules, 2016
11	The port shall not store hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	Condition Noted, AKPL is not storing hazardous waste for more than 90 days as per the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.
12	The port 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 buyback basis.	Complied. Form – 8 – Used Batteries Returns – Annual Statement for the FY 2024 – 2025. Acknowledgements are attached as Annexure- 29
13	The industry shall transport the hazardous waste to cement industries only through vehicle fitted with GPS tracking system.	Complied. AKPL is ensuring all hazardous waste vehicles with GPS tracking system to transport the hazardous waste.
14	The industry shall maintain 7 copy manifest system for transportation of waste generated and a copy shall be submitted to concern 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	Being complied Waste oil generating from the port is being disposed of through APEMCL Portal authorized vendors.
15	The industry shall maintain proper records for Hazardous and 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 20 (2) of the Hazardous and Other Wastes (Management & Transboundary Movement) Rules, 2016.	Being Complied. The following annual returns were submitted at APPCB, RO, SPSR Nellore on 29.04.2025 1. Form – 3 – E – Waste Annual Statement for the FY 2024 – 2025.

		2. Form – 4 – Hazardous Waste Annual Statement for the FY 2024 – 2025. 3. Form – 8 – Used Batteries Returns – Annual Statement for the FY 2024 – 2025. Acknowledgements are attached as Annexure- 29
16.	Annual return shall be filed by June 30th for the period ensuring 31st March of the year.	Being Complied. The following annual returns were submitted at APPCB, RO, SPSR Nellore on 29.04.2025 1. Form – 3 – E – Waste Annual Statement for the FY 2024 – 2025. 2. Form – 4 – Hazardous Waste Annual Statement for the FY 2024 – 2025. 3. Form – 8 – Used Batteries Returns – Annual Statement for the FY 2024 – 2025. Acknowledgements are attached as Annexure- 29



GOVERNMENT OF ANDHRA PRADESH
ABSTRACT

Development of Krishnapatnam Port in Nellore District Rehabilitation & Resettlement Package -Affected Zone covered under the project - Implementation of R&R Package - Administrative Sanction - Accorded -Orders - Issued.

TRANSPORT, ROADS AND BUILDINGS (PORTS-1) DEPARTMENT

G.O.Ms.No.250

Dated: 31-8-2007.

Read the following:-

1. G.O.Ms.No.68, Irrigation & CAD (Project Wing-LA-IV-R&R) Department, dated:8-4-2005.
2. From the Joint Collector, Nellore, Letter No. Rc.G5.5864/ 2006, dated: 17.2.2007.
3. From M/s KPCL, Letter dated 14.3.2007.
4. From the Collector, Nellore, Letter No. Rc.G5.5864/ 2006, dated: 30-6-2007.
5. Govt.Lr.No.2736/P.I(1)/2007, TR&B(Ports) Dept.dt.9-7-2007.
6. From M/s KPCL, Lr.No.KP/TR&B/287,dt. 11-7-2007
- 7.G.O.Ms.No.243, TR&B(Ports) Dept., dt.25-8-2007.

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ORDER:

The District Collector, Nellore has reported that the R&R project report for implementation has been prepared in accordance with the guidelines issues vide GO Ms No.68, Irrgn. & CAD (PW) Department, dated 8.4.2005 and that the villages covered under the Project are 1) Basin Ramalingapuram, Adalaprabhakar Reddy Nagar Colony,Padarthipalem H/o Krishnapatnam (v) of Muthukur (M), 2) Midderevu, H/o Tamminaptanam of Chillakur Mandal are the habitation that are going to be affected due to the development of Krishnapatnam Port.

2. A suitable land for Rehabilitation of the displaced families has been identified in Muthukur village located at a distance of about 4 Kms from the area from which the families are getting displaced. The Collector has stated that the tentative requirement of fund for R&R as per the guidelines prescribed in the policy is Rs.25,85,00,000/- which may vary after a detailed survey.

3. M/s KPCL in their Letter third read above, have reported that various works relating to development of Krishnapatnam Port are in brisk progress including construction of Berths, Reclamation, North & South Break Waters, etc, and that the commercial operations are scheduled to commence from March / June 2008. They have also stated that under Phase-I Dredging and other important construction works are to be started immediately by which activity the four villages will be affected and hence requested the Government for early implementation of R&R package to enable shifting of these villages.

(PTO)

// 2 //

4. M/s KPCL have come forward with a proposal to meet the entire expenditure towards R&R initially, reimbursable by Government, in view of urgency. Also they have stated that they are taking up certain constructions like Hospital and School etc, on their own. They have also requested that the construction works of R&R package may be entrusted to M/s KPCL (CVR group) to expeditiously complete the work keeping in view the Company's expertise and also due to fact that agencies like Housing Board are busy engaged in equally important assignments. They have also suggested that a Monitoring Officer from Government of the rank of Superintending Engineer / Executive Engineer be nominated to oversee the progress and quality of work on day to day basis.

5. The Collector in his letter 4th read above, has reported that the number of displaced families would be 450 and number of affected families would be 1190. The requirement of funds for R&R package put forth by the Collector is Rs.25.85 crores approximately and the Methodology and procedure will be adopted as per the guidelines issued in R&R policy 2005 issued vide G.O.Ms.No.68, Irrigation & CAD (Project Wing-LA-IV-R&R) Department, dated:8-4-2005 and the instructions issued by the Government from time to time depending upon the release of budget for implementation of R&R package.

6. Government after careful examination of the matter hereby accord administrative sanction for Rs.25,85,00,000/- duly accepting the proposal of M/s Krishnapatnam Port Company Ltd. for incurring expenditure towards R&R package initially which is reimbursable by Government without interest in three equal annual installments commencing from the date of remittance of the full amount to the Government.

7. Government also hereby order that the Civil Works relating to R&R package shall be executed by M/s KPCL (CVR group) Company as proposed by M/s KPCL in the interest of the Project. The Collector shall appoint a Monitoring Officer at the level of Superintending Engineer/Executive Engineer to monitor the progress as well the quality of works being executed by M/s CVR Group on day to day basis and report to the Collector.

8. The District Collector, Nellore shall accordingly take necessary action in the matter.

9. This order issues with the concurrence of Finance Department vide their U.O.No.1974-E/804/A2/Expr.PWD/07, dt.24-7-2007.

(BY ORDER AND IN THE NAME OF THE GOVERNOR OF ANDHRA PRADESH)

L.V.SUBRAHMANYAM
PRL.SECRETARY TO GOVERNMENT

To

The Collector & District Magistrate, Nellore.

The Joint Collector & Administrator (R&R), Nellore.

✓ The Chairman, M/s Krishnapatnam Port Ltd., Hyderabad.

The Director of Ports, Kakinada.

The Prl. Accountant General, A.P., Hyderabad.

The Director of Treasuries and Accounts, A.P., Hyderabad.

Copy to Finance (Ex.PW) Department.

Sf/Sc

// forwarded by order //

P. N. Murthy
SECTION OFFICER



GOVERNMENT OF ANDHRA PRADESH
TRANSPORT, ROADS AND BUILDINGS (PORTS-1) DEPARTMENT

Letter No.2736/P.I(1)/2007.

Dated:31-8-2007.

From
The Special Secretary to Government,
TR&B Department,
A.P.Secretariat,
Hyderabad.

To
✓ The Director, *
M/s Krishnapatnam Port Company Ltd.
Hyderabad.

Sir,

Sub:- Development of Krishnapatnam Port in Nellore District –
Implementation of R&R Package –Reg.

Ref:- 1.From M/s KPCL Lr.dt.14-3-2007

2.G.O.Ms.No.250, TR&B(Ports) Dept.,dt.31-8-2007.

-000-

I am to inform that in the G.O.cited, Government have issued orders according administrative sanction for Rs.25,85,00,000/- duly accepting the proposal of M/s Krishnapatnam Port Company Ltd. for incurring expenditure towards R&R package initially which is reimbursable by Government without interest in three equal annual installments commencing from the date of remittance of the full amount with the Government.

You are therefore, requested to pay the amount to the Government to facilitate early completion of R&R in connection with the development of Krishnapatnam Port.

Yours faithfully,

for SPL.SECRETARY TO GOVERNMENT

Copy to:

The Collector & District Magistrate, Nellore.

The Joint Collector, Nellore.

The Director of Ports, Kakinada

Ref. No. AKPL/EC/ENV/007/2025-26

Date: 09.04.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
SPSR Nellore,
Andhra Pradesh



Dear Sir,

Sub: Adani Krishnapatnam Port Limited (AKPL) – Complying with Phase III expansion of EC & CRZ clearance Conditions – Submission of NIOT Study reports - Reg.

Ref: EC & CRZ Clearance Order No.10-18/2016-IA-III dated 11.01.2021 and APCZMA NOC letter no. 202/CRZ/IND/2019 -30 dated 21.05.2020 accorded to AKPL by the Ministry of Environment, Forests & Climate Changes, New Delhi and APCZMA.

@@@

Adani Krishnapatnam Port Limited had obtained Environmental and Coastal Regulatory Zone clearances from MoEF&CC and Andhra Pradesh Coastal Zone Management Authority (APCZMA) for Phase III expansion of Port. The clearances were subjected to fulfilling of conditions for environmental monitoring as stipulated by the above authorities. In this regard AKPL has approached NIOT to carry out various monitoring studies letter dated 27.05.2021.

S.No.	Condition	Reference
A	Continuous monitoring of circulation of seawater shall be carried out every six months by engaging in a reputed agency like NIOT. The port shall undertake the study of multi-sensor, multi-data data to study the sedimentation studies in the inner harbour channel in addition to the in-	CRZ Clause: PART A: Specific Condition (iv)

Adani Krishnapatnam Port Ltd
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SPSR Nellore District 524344
Andhra Pradesh, India
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S.No.	Condition	Reference
	house studies undertaken as part of regular monitoring of sedimentation in the harbour channel. The monthly reports shall be submitted to APPCB.	
B	The Port shall also undertake the scientific studies by engaging reputed agencies like National Institute of Ocean Technology (NIOT) and Indian Institute of Technology, Chennai to study the feasibility of constructing submerged breakwaters to protect the beach road from seasonal erosion and also during cyclones.	CRZ Clause: PART A: Specific Condition (vii)
C	The applicant shall ensure that continuous monitoring systems of all likely affected parameters including air/fish/flora/fauna/water quality/ waste water discharges/solid waste disposal/construction material disposal etc., are installed and reports shared with the National Institute of Oceanography (NIO) on continuous basis and a monthly report submitted to the APPCB by the NIO, all through construction period and at least for one year after commencement of operations.	CRZ Clause: PART A: Specific Condition (viii)
D	The proposed expansion entails 60 million cu m of dredging in soft soil. As proposed, the PP shall utilize 26 million cu m of dredged sand for reclamation of low-lying areas of port, stockpile 2 million cu m on the coast north of north breakwater for long term coastal protection as recommended by NIOT and disposal of balance 32 million cu m of dredged spoil in the identified dredge disposal area of 56 Km ² beyond (-) 20 m contour. The impact of dredging on the marine environment should be monitored and necessary measures shall be taken on priority basis if any adverse impact is observed. NIOT will oversee the work as scientific body and continue to monitor its impact/benefits for at least 5 years post project completion. Necessary financial assistance to be provided by project proponent to NIOT. The report of the same to be submitted to regional office of MoEF&CC by project proponent.	EC Clause: Specific conditions (vii)

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S.No.	Condition	Reference
E	Shoreline should not be disturbed due to dumping. Periodical study on shoreline changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six-monthly monitoring reports.	EC Clause VI: Waste management (ii)

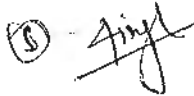
Complying with the above conditions, a study on Shore line changes from satellite imageries and monitoring of shoreline from field measurements and Shoreline protection from erosion report was prepared through National Institute of Ocean Technology (Ministry of Earth Sciences, Government of India) As per the MoEF & CC, EC & CRZ Clearance.

We therefore, submit herewith the study report to comply with the EC & CRZ Clearance stipulated condition.

Thanking You,

Yours Faithfully,

For **M/s Adani Krishnapatnam Port Limited,**



(Authorized Signatory)

Encl: a/a

Copy to:

SHRI N.S. MURALI, IFS

Inspector General of Forests (C),

Ministry of Environment, Forest and Climate Change,

Integrated Regional Office, Vijayawada Green House Complex,

Gopalareddy Road, Vijayawada – 520010, Andhra Pradesh

Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

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[illegible]

REV NO.	DATE	DESCRIPTION	CHKD	APPD
		ADANI KRISHNAPATNAM PORT LIMITED MUTHUKUR NELLORE A.P INDIA		DATE: SET 2025
PROJECT:		PHASE-III DEVELOPMENT OF ADANI KRISHNAPATNAM PORT		DRN: Mahendra
TITLE:		AKPL GREEN BELT LAYOUT		CHECKED: Ashok APPROVED EHS
DRG. NO.		KP-GN-14	REV. NO. 0	SCALE: As Shown

GOVERNMENT OF ANDHRA PRADESH
ROADS & BUILDINGS DEPARTMENT

From
Sri V. Surya Rao, M.E., MIE.,
Executive Engineer. (R&B)
Nellore Division, Nellore.

To
The Chairman,
Krishnapatnam Port Company Ltd.,
HYDERABAD.

Lr.No.182/K.P.Port/ATO/04 Dt.22-7-05.

Sir,

Sub:- Providing road connectivity to Mega Projects of Ports & Air
Ports by Govt. - Road connectivity from Venkatachalam to
Krishnapatnam Port - Alignment plans of ~~plane~~ proposed rail
cum road corridor - Req. - Reg.
Ref:- G.O.Ms.No.166T(R&B)Ports Dept. dt.18-11-04.

-x-

It is to inform that, the Government have accorded adminis-
trative sanction for the work of "Forming of two-lane road from Venkata-
chalam to Krishnapatnam Port from km.0/0 to 23/325 with provision for
expansion of road to 6 lane in future" for an amount of Rs.29.02 crores
in G.O.Ms.No.166 T (R&B) Ports Department dt.18-11-04. The Chief Engi-
neer (R&B) Roads, Hyderabad in fax Memo.No.20051/TA3/AEE2/05 dt.21-6-05
has given instructions to submit detailed estimates for the above work
duly conducting the detailed survey.

In this connection, it is also to inform that, the Govern-
ment of Andhra Pradesh has handedover ^{Krishnapatnam Port in Nellore Dist. to} the Krishnapatnam Port Company Ltd.,
Hyderabad under S.O.S.T. Scheme in G.O.Ms.No.48 T (R&B) Ports Department
dt.9-3-96. The M/s.Krishnapatnam Port Company Ltd., Hyderabad has proposed
to form a rail cum road corridor from Venkatachalam to Krishnapatnam. For
this purpose, 70.00 Mts. width of land is to be acquired along the proposed
rail cum road corridor and to form a two lane road. As per Memorandum of
understandings entered with M/s.Krishnapatnam Port Company Limited, Govern-
ment of Andhra Pradesh has to acquire land for a width of 70.00Mts.,

In view of the above facts, for preparing a detailed estimate
of the road, railway alignment is to be finalised. Hence, I request you
to please depute the concerned staff along with the alignment plans of
proposed rail cum road corridor indicating the survey numbers and village
combined plan of each village through which the alignment passes at an
early date so as to conduct detailed survey for preparation of detailed
estimates to form two-lane road.

Yours faithfully,

EXECUTIVE ENGINEER (R&B)
NELLORE

- Copy submitted to the Superintending Engineer (R&B) Nellore for favour
of information and taking necessary action.
- Copy submitted to the Chief Engineer (R&B) Roads, Hyderabad for favour
of information with reference to the Fax Memo.No.20051/TA3/AEE2/
2005 dt.21-6-05.
- Copy submitted to the Director (R) Dept. of Lighthouse & Lighting Ships,
Kakinada for information.
- Copy to D.E.S. (R&B) Nellore with request to contact the Port authority
in the matter.

Ref. No. AKPL/EC/APPGB/125/2024-25

Date: 09.01.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office
SPSR Nellore,
Andhra Pradesh



Dear Sir,

Sub:- Adani Krishnapatnam Port Limited (AKPL) – Complying with Condition para No. 10 of Phase II Amended EC & CRZ dated 22.08.2016-Submission of Environmental Monitoring report - Reg.

Ref:- 1. Issue of Show cause Notice F.No. 19-122/2011-IA-III, dated 11.01.2013.
2. EC & CRZ clearance for Phase II Development of KPCL at SPSR Nellore F.No. 11-62/2009-IA.III, dated 02.06.2015.
3. Amend EC & CRZ Clearance for Phase II Development of KPCL para No.10 F.No. 11-62/2009-IA.III dated 22.08.2016.

@@@

We submit that Adani Krishnapatnam Port Limited (AKPL) is an operational port located at Krishnapatnam (Village & Post), Muthukur (M), SPSR Nellore District.

The Ministry of Environment, Forests & Climate Change, New Delhi has accorded Environmental & CRZ Clearance to AKPL vide reference cited above for the development of Port under EC & CRZ clearance for Phase II Development of KPCL at SPSR Nellore with letter No. F.No. 11-62/2009-IA.III, dated 02.06.2015 and Amendment of EC & CRZ Clearance for Phase II Development of KPCL with letter No.F.No. 11-62/2009-IA.III dated 22.08.2016. (Copy of the EC & CRZ Clearance is attached herewith for your kind reference).

As per the Phase II Amended EC & CRZ letter No. F.No. 11-62/2009-IA.III dated 22.08.2016 Condition under para No. 10 stipulates that:

"The APCZMA is requested to essentially monitor the development activities of the company and take action under the law in case of violation, if any. In addition, National Centre for Sustainable Coastal Management(NCSCM) together with Society of Integrated Coastal Management (SICOM) shall undertake monitoring once in four years to ensure that no further vilolation takes place even unintentionally." However the copy of Annual report submitted by the Project Proponent to the Regional Office should be made available to NCSCM.

Adani Krishnapatnam Port Ltd
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SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

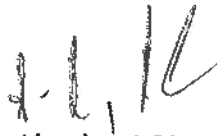
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Complying with the above condition, a detailed Environmental Monitoring of Phase II development of AKPL was prepared through M/s. National Centre for Sustainable Coastal Management (NCSCM). As per the MoEF & CC, EC & CRZ Clearance.

We, therefore submitting herewith the First and second Half yearly Monitoring reports to comply with the Phase II EC & CRZ Clearance stipulated condition.

Thanking You,

Yours Faithfully,
For **M/s Adani Krishnapatnam Port Limited,**



(Authorized Signatory)

Encl: a/a

CC: The Member Secretary,
Andhra Pradesh Coastal Zone Management Authority (APCZMA),
O/o Andhra Pradesh Pollution Control Board,
Paryavaran Bhavan, APPIIC Colony Road, Gurunanak Colony,
Autonagar, Vijayawada – 520007.

Lr. No. AKPL/CORPORATE AFFAIRS/DMP/071-2024-25

30 AUGUST 2024

To

The Collector & District Magistrate,
SPSR Nellore District.

Sir,

Sub: *Submission of Revised Disaster Management Plan of Adani Krishnapatnam Port Ltd., -
Regarding.*

...

In line with our regular practice of updating our Disaster Management Plan (DMP) in order to make Adani Krishnapatnam Port Limited Disaster resilient, achieve substantial disaster risk reduction significantly decrease the losses of the life, livelihoods assets – economic, physical, social, and environmental – by maximizing the ability to cope with disasters at all levels of administration as well as among departments, we herewith submit the revised DMP for your kind perusal.

Sincerely yours,

For ADANI KRISHNAPATNAM PORT LIMITED.,

K. M. RAM,

HEAD - CORPORATE AFFAIRS.

Received by collector sir 'cc'

తేది : 31/8/24
తపాల సహాయకులు
జిల్లా కలెక్టరు వారి కార్యాలయము
శ్రీ పొట్టి శ్రీరాములు

DISASTER MANAGEMENT PLAN



	Prepared by:	Reviewed by:	Reviewed by:	Reviewed by:	Verified by:	Approved by:
Signature						
Name	Capt. Bibhupada Sahoo	Major. Venkatesh Bhaskar	Mr. G. Venu Gopal Reddy	Capt Rajat Garg	Mr. Rajan Babu	Mr. G. J Rao
Designation	HOS Marine	Head Security	Associate GM - EHS	HOD -Marine	COO	CEO
Date	20/08/2024	20/08/2024	20/08/2024	20/08/2024	20/08/2024	20/08/2024

Rec by collection cc)
తది : 20/08/2024.....
శ్రీ పాపి శ్రీరామణ నెల్లూరు శిల్ప
జిల్లా కలెక్టరు వారి కార్యాలయము
శ్రీ పాపి శ్రీరామణ నెల్లూరు శిల్ప

HALF YEARLY REPORT

(April, 2025 to September, 2025)

ADANI FOUNDATION
2nd Floor, Project Office, Adani Krishnapatnam Port Limited
Muthukuru, SPSR Nellore District, Andhra Pradesh

Education:

Adani Evening Education Centres:

The Children of Fisherman community families are studying in Government Primary Schools (1st to 5th Class) in the villages of Muthukuru, Indukurupeta, Thotapalli Gudur Mandals in SPSR Nellore District and Chillakuru Mandal in Tirupati District. Slow learning students in these classes are identified by ULIC Educators and give them additional support for teaching difficult lessons and make them score high marks in weak subjects besides getting clarified academic doubts. ULIC Educators bring up slow learners by revising academic subjects and making them complete homework, conducting joyful learning classes after school hours on the same campus i.e., between 4.00 PM to 6.30 PM in school.

ULIC Educators also take care of the safety of these children till their parents return to their home after attending their daily wage work. ULIC Centers are providing teaching assistance in poor subjects and extending support to learn their studies to 1496 students in 32 villages / hamlets with 32 Educators.

- All AEEC, ULIC & Anganwadi Sahayaks participated and joined hands with Teaching Community in Govt Primary & High Schools while celebrating Teachers' Day celebration in respective schools.
- The School Teaching Staff and AEEC Educators jointly prepared subject-wise study plan to facilitate slow learners to improve marks in tough subjects.



Anganwadi Centres (EM) :

- Reviewed language Educators position in Government Anganwadi Centres AF Supported to the Anganwadi Centres at Krishnapatnam and Gummalladibba.
- Teachers Day celebrated by Anganwadi Educators in all centres and make pupils joyous of the occasion.



Utthan Learning Improvement Classes (ULIC) :

- All ULIC Educators associating with School teachers identified and listed out slow learners subject wise and drawn study plan subject wise to facilitate students to study easily the tough lessons and understand well and score high marks.
- Community parents felt happy that their wards are speaking English fluently and known names of home articles, vegetables etc in English by virtue of stand taken by AF Team to practice the wards in such a way and a change in their family environment is seen.
- Reviewed ULIC Educators how to redress the academic doubts of ULIC students, explain tough lessons in an easy way to understand and score high marks and remove fear complex.



Vidyarathna Scholarship:

Adani Foundation supported college education expenses of bright students belonging to the poorest of poor families belong to Schedule Casts & Tribes and other weaker sections of Fishermen & Backward class families and assisted 10th class in Adani Vidya Mandir to pursue 11th and 12th classes in Private Junior Colleges, especially to facilitate them to enhance their education levels and career growth and development.

1. Ms. Komari Vineetha – 2nd Year MBBS
2. Ms. Kandukuri Ramya Vasanthi – 1st Year MBBS
3. Mr. Akkaiahgari Shanmuka Rakesh Kumar - 2nd Year, Polytechnic
4. Mr. Valasamgari Madhu Varma – Coaching for Govt., Jobs
5. Mr. Akkaiahgari Sri Durga – 1st year, IIIT

Community Health

A holistic approach to better health will require ensuring universal access to healthcare and to make medicine and vaccines affordable. Basic health facilities are provided to the displaced families of Adani Krishnapatnam Port through Adani Chikitsalayam situated in Rehabilitation and Resettlement Colony, Muthukur of SPSR Nellore District in Andhra Pradesh.

- Adani Chikitsalayam is providing treatment to the patients of R&R Colony, Muthukur suffering from non communicable diseases.
- Free treatment with medicines are provided to the ailing patients with proper medical advice to intake medicines regularly.
- Adani Chikitsalayam – 5360, Village Health Clinics – 3850 (Total number of beneficiaries during the month – 9210).
- Health screening done for 4211 Community individuals in Muthukur, Arcotpalem, Epuru Venkannapalem, Thamminapatnam, Gummalladibba Pathuru and Gummalladibba Kothuru,

Krishnapatnam and Chalivendram in association with 104 services and Govt., Health Department.

- Yoga practice – 1460 No's observed Yoga in R&R Colony, Krishnapatnam, Thamminapatnam, Epuru Venkannapalem, Varagali, Muthukur.



Climate Action

Sensitization of cleanliness not only in the premises of the households of the community but also to keep villages and its surroundings neat and clean is the main slogan of the nation today. As part of this, Adani Foundation the enabler of CSR activities of Adani Krishnapatnam Port Limited paid special attention towards sensitization of cleanliness. The matter has been discussed with local Gram Panchayath Authorities and all Government Departments and conducted awareness sessions to the community people how to keep the household surroundings, roads, Government buildings, public places in the villages, how to segregate the garbage material and its recycling etc., Adani Foundation has also taken good initiative and installed 200 solar lights in project affected

villages in Krishnapatnam and Thamminapatnam/ Gummalladibba villages to save idle power and use solar power to maintain the economy of the nation. The total number of beneficiaries on account of installing solar lights 28600 community families are benefitted.

- AP Government chosen Muthukur to be developed as a Model Village Development under P-4 Policy and Adani Krishnapatnam Port associating with Adani Foundation have taken initiative under the Headship of Chairman, APPCB, District Collector, SPSR Nellore, Local MLA, Mandal Development Officer and other Govt Department Officials. The work plan is drawn by District Administration for implementation.
- Village Sanitation Works such as roads and streets cleaning, debris removal, cutting elongated tree branches along side roads, silt clearance from drains for free flow of drain water and transferring solid waste to common designated place in villages - Krishnapatnam, Ramnagar, Arcotpalem, Muthukuru, Epuru Venkannapalem and R & R Colony (Adala Nagar, Madhura Nagar, Simhadri Nagar). 17980 community people were benefitted with village sanitation management services.
- Awareness created among community people to practice Yoga everyday to keep their health in good position and 1318 persons observed Yoga in Port peripheral villages of AKPL.





Community Development

Since TDS (Total Dissolved Solids) in underground water is high ie., above 2000 PPM (Parts Per Million – Milligram per liter), it is not useful for drinking and domestic purpose. As such Foundation is providing drinking water through RO Water Plants (12 No's) and Raw water through tankers for domestic use to 10600 families every day in Krishnapatnam, R & R Colony, Chalivendram, Narikellapalli, Ramnagar, Arcotpalem Gummalladibba Kotturu, Gummalladibba Paturu, Thamminapatnam, Thamminapatnam Harijanawada, Gopalapuram locations at free of cost.

- Kept all RO Drinking Water plants with good working condition and provided RO Filter Drinking Water to community households in Adala Nagar, Ramalingapuram, Simhadri Nagar, Madhura Nagar, Krishnapatnam, Arcotpalem, Ramnagar, Chalivendram, Narikellapalli, Gummalladibba Old, Gummalladibba New and Thamminapatnam through RO Water Filter Plants. Nearly 10600 Nos families avail of filtered drinking water.
- Community youth living in Port peripheral villages - Muthukur, Epuru Venkannapalem, Krishnapatnam, and Chalivendram are motivated in such a way by means of awareness campaigns and prepared them to get involved in village development activities and take ownership of maintaining RO Water Filter Plants to avoid wastage and misuse of drinking water and control electricity consumption charges and handling plants for judicial use.
- Kabadi Junior Women Team from Govt., ZPP High School, Muthukuru participated in inter state Kabadi competition held in Puri, Odissa State.





Sustainable Livelihood

Awareness is given to 3800 fisherman / SC / ST / BC women through 860 sessions in 8 Gram Panchayaths covering 64 hamlets. Identified 16 Group Units in these villages to make them competent to earn livelihood earning opportunities through business mode. The number of group units is risen 3 to 16 in number in this year and the fisherman community women are showing interest towards farming group units to make livelihood earning opportunities to enhance family income generation and need a respectable life in the existing society.

Adani Foundation identified the interest shown by fisherman community women in Gummalladibba, Thamminapatnam, Narikellapalli, Chaliendram, Epuru Venkannapalem, Krishnapatnam, Arcotpalem, Muthukur and Varagali and extended its support for the growth and development of some of the group units as cited below:

- The community farmers of Krishnapatnam site were taken to visit Government Horticulture Centre at Tirupathi.
- Small Entrepreneur Business under the umbrella of KFPCL has been started at Krishnapatnam site to procure paddy grown by local farmers and convert in to Rice facilitating the farmers to get good price for their produce as well as to get raw rice at cheaper price than local market price by the consumers.
- Hand made products produced by NEPL, Women Groups, KFPCL were exhibited and marketed in the residential complex of Jindal.
- The Directors of NEPL as well as KFPCL were bridged with each other to exchange business development and marketing activities of the products produced by them at commensurable rates.
- 26 cases of AI SSS were handled in Port peripheral village of Krishnapatnam site at subsidized rates and a good motivation was turned out among cattle owners about the advantages of AI SSS..

-
- The collage consists of 15 photographs arranged in a grid-like fashion, showcasing the following activities:
- Top Row (Left to Right):**
 - A group of people, including children, standing outside a building.
 - A group of men standing in front of a banner.
 - A group of people holding a banner with the Adani Foundation logo.
 - Second Row (Left to Right):**
 - A white delivery truck parked outside a building.
 - A group of people sitting on the ground, possibly receiving aid.
 - A group of people standing in front of a banner.
 - Third Row (Left to Right):**
 - A group of people working in a field.
 - A group of people sitting on chairs, possibly at a health camp.
 - A group of people in a room filled with various items, possibly a warehouse or storage area.
 - Fourth Row (Left to Right):**
 - A group of people sitting at a long table in a room.
 - A group of people standing in front of a banner.
 - A group of people sitting on the floor in a room.
 - Fifth Row (Left to Right):**
 - A group of people working on a roof.
 - A group of people in a room with sewing machines, likely a skill training center.

Website: <http://peso.gov.in>
Email: explosives@explosives.gov.in
दूरभाष/ Telephone : 0712-2510248
फैक्स FAX : 0712-2510577

कार्यालयीन उद्देश्य के सभी पत्रादि "मुख्य विस्फोटक नियंत्रक" के पदनाम से भेजे जाएंगे।
उनके व्यक्तिगत नाम से नहीं।

All communications intended for this Office should be addressed to the 'Chief Controller of Explosives' and NOT to him by name.



भारत सरकार

GOVERNMENT OF INDIA

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन

Petroleum and Explosives Safety Organisation

(पूर्व नाम - विस्फोटक विभाग)

(Formerly- Department of Explosives)

'ए'-ब्लॉक, पाँचवा तल, केन्द्रीय कार्यालय परिसर,

"A" Block, 5th Floor, CGO Complex,

सेमिनारी हिल्स, नागपुर - 440 006 (महाराष्ट्र)

Seminary Hills, Nagpur - 440006

Annexure 8

संख्या /No. G.22 (47)180

दिनांक /Nagpur, Dated: 23/09/2024

To,

M/s. Adani Krishnapatnam Port Ltd.,
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District,
Andhra Pradesh-524344.

Sub: Permission for commissioning of handling of LPG (Refrigerated Propane, Refrigerated Butane) and Petroleum Products at Liquid Jetty L-4 at Adani Krishnapatnam Port, Nellore District, Andhra Pradesh Permission to operate – regarding.

Dear Sirs,

Please refer to Dy. Chief Controller of Explosives, Visakhapatnam's inspection report memo of even no. dated 26/09/2022 on the above subject and inspection by the officer on 25/09/2022 & your letter no. nil dated 23/01/2023 and confirming the compliance of OISI 156 & other related statutory provisions satisfactorily.

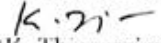
Since the subject construction of L-4 Jetty for handling of LPG (Refrigerated Propane, Refrigerated Butane) and Petroleum Products has been completed in all respect as per approval granted vide this office letter of even no. dated 18/01/2021, there is no objection to your commissioning L-4 Jetty for handling of LPG (Refrigerated Propane, Refrigerated Butane) and Petroleum Products under Manufacture, Storage & Import of Hazardous chemicals (MSIHC) Rules, 1989 are strictly complied with.

Adequate safety precaution and SOP's shall be strictly followed to prevent any accident.

This approval/permission does not absolve you from obtaining necessary permission/clearances from other authorities or under other statutes as applicable.

The permission is valid for Three year up to 01/03/2026.

Your faithfully


(K. Thiagarajan)

Jt. Chief Controller of Explosives
for Chief Controller of Explosives

Explosives section; DPIS

Copy forwarded to the Dy. Chief Controller of Explosives, Visakhapatnam.

for Chief Controller of Explosives

GOVERNMENT OF ANDHRA PRADESH
STATE DISASTER RESPONSE & FIRE SERVICES DEPARTMENT

From :
The Director General,
State Disaster Response and Fire Services,
Andhra Pradesh, Vijayawada.

To :
The Management,
M/s Adani Krishna Patnam Port Ltd,
located at Muthukur (M), SPSR Nellore
District.

Re.No.8010/MSB/SR/NLR/2022, Dt: 12.10.2022.

Sir,

Sub: A.P. State Disaster Response and Fire Services Department -MSB Section- Issue of No Objection Certificate for Occupancy to M/s Adani Krishna Patnam Port Ltd, located at Muthukur (M), SPSR Nellore District - Regarding.

Ref: 1. AP Gazette Notification No. G.560 (W.No:2), Dated:18-01-2022
2. Application of M/s Adani Krishna Patnam Port Ltd, located at Muthukur (M), SPSR Nellore District.

-oOo-

The Management has requested for issuance of No Objection Certificate for Occupancy to the Existing Building of M/s Adani Krishna Patnam Port Ltd, located at Muthukur (M), SPSR Nellore District in the reference 2nd cited.

2) The Management constructed the Building with Ground + (05) Upper floors with a height of 18.90 Mtrs., with Built up area of 5424 Sq.Mtrs for Business Occupancy.

3) Previously, the Management has not obtained Provisional NOC from this Department and has now applied for No Objection Certificate for Occupancy.

4) Particulars of the Building:

a)	Address of the Building	:	M/s Adani Krishna Patnam Port Ltd, located at Muthukur (M), SPSR Nellore District.
b)	No. of Blocks/Floors	:	01 Block/ Ground + (05) Upper floors
c)	Height of the Building	:	18.90 Mtrs
d)	Total Built up area	:	4670.866 Sq.Mtrs
e)	Type of Occupancy	:	Business Occupancy

5) The Management has provided the following Means of Escape

S.No.	Details of Staircases	Required	Provided
1.	Internal Staircase	01.50 Mtrs.	02.00 + 02.00 = 04.00 Mtrs
2.	External Staircase	01.50 Mtrs.	02.00 Mtrs
Total:			06.00 Mtrs

6) The details of Occupant Load per Unit and Exit Width required and provided are furnished as below:

Sl. No.	Floor	Built up are in Sq. Mtrs.	Type of Occupancy	Occupant Load	Means of escape Required in Mtrs.	Provided in Mtrs.
1.	Ground	1058	Parking	Parking	Required	Provided
2.	First	1034	Business	103	01.03	06.00
3.	Second	1034	Business	103	01.03	06.00
4.	Third	1034	Business	103	01.03	06.00
5.	Fourth	690	Business	69	00.69	06.00
6.	Fifth	574	Business	57	00.57	06.00
Total:		5424				

Contd...2p

7) It is submitted that as per instructions of kind Director General, State Disaster Response and Fire Services, A.P., Vijayawada vide this Office Rc.No.5708/MSB/2021, Dated: 16-11-2021 on Fire Fighting system, the following Fire safety Equipment suggested to the management for installation instead of conventional system keeping in view of practicality, maintenance and resilience.

S.No	Fire Fighting Equipment	Prescribed	Provided	Deficit
1	Fire Extinguishers	ABC/CO2 type	92 Nos.	Nil
2	Underground parking /Cellar / Basement	Temperature Sensors connected "Hooter" and that can give alerts through cell phone	NA	Nil
3	Manual Call point	One number per floor	36 Nos.	Nil
4	Under Ground Static Water Tank (or) Terrace Water Tank	10,000 Ltrs (minimum)	20,000 ltrs at Terrace Tank	Nil
5	2 HP (Pump + Electrical Motors connected) @ one per floor connected to normal plumbing system instead of down comer/special pipes.	One per each floor	03 Nos-2HP 03 Nos-5HP	Nil

8) The Management has provided the following Electrical Safety system:

(i)	All Electrical wirings in the building shall confirm the code of practise for Electrical wiring IS:732:1989 and also shall confirm for Fire Safety Wiring of the building Electrical Installations as per IS:1646:2015. Most common mistake is that the neutral wires to the three pin plugs are not of sufficient thickness to carry the current in case of any short circuits.	:	Provided
(ii)	Installation of Miniature Circuit Breakers, (MCBs) in all floors.	:	Provided
(iii)	No Overloading of power socket in any Existing Building.	:	Yes
(iv)	10 years old wiring to be changed specially where ever high power consuming appliances such as Air conditioners, shopping complex, Data Centers, etc.,	:	NA
(v)	Grounding /Earthing shall be done. For details refer IS 3043:1987.	:	Provided
(vi)	Lightening conductors may be provided for high rise buildings exceeding 5 floors.	:	Yes
(vii)	No High Tension Lines should run inside or in close proximity (6 meters) to any Educational institution buildings.	:	Yes
(viii)	All the above safety measures shall be certified by the authorized Electrical Engineer.	:	Certified

9) In view of the above and based on the affidavit submitted by the Management the No Objection Certificate for Occupancy is issued to the existing building of M/s Adani Krishna Patnam Port Ltd, located at Muthukur (M), SPSR Nellore District for Business Occupancy that highest priority is accorded to Passive Safety measures such as ensuring two exits, not co-locating with highly inflammable shops having cloths, chemical or explosives and following Electrical Safety Checklist.

Contd...3p

10) It is informed that, the Management is requested to maintain the following conditions compulsorily for safety purpose.

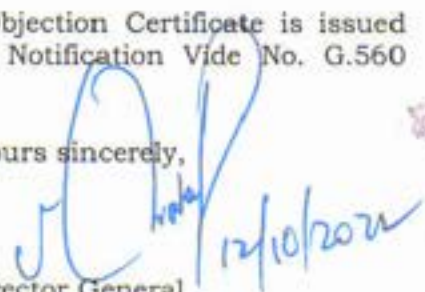
Sl.No.	As Builder	As occupant	As Security Personnel
1	All the fire protection arrangements shall be maintained in good condition as seen during inspection.	All the escape/exit routes shall not be kept locked/blocked or encroached	All the occupants must trained in correct method of operation of the fire fighting system installed.
2	Any loss of life or property due to non-functioning of fire safety measures and other installations shall be the responsibility of the management.	All occupants shall be trained to operate the fire safety equipments during emergency.	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months.
3	Addition / alteration, if any in the building may be verified by building authority.	Mock drills should be conducted once in 3 months for initial two years. Thereafter, once in every 6 months.	All security personnel shall be trained to operate the fire safety equipments during emergency.
4	This No objection Certificate for occupancy is issued from Fire safety point of view.	Raise the alarm if the fire cannot be controlled; Evacuate the area completely at once with nearest safe exit.	Attack the fire using available fire equipment only if you feel capable of controlling. If not, take all steps to isolate the area by closing doors and windows.

11) This No Objection Certificate is issued, subject to the outcome of O.As/W.Ps etc., if any, before Courts etc.,

12) This No Objection Certificate for Occupancy is valid for a period of Five years from the date of issue of this letter to the management of M/s Adani Krishna Patnam Port Ltd, located at Muthukur (M), SPSR Nellore District. The Owner/ Occupier/ Builder/ Management concerned of the Building shall submit Self Declaration/Affidavit /Certification with regard to working condition of above Fire Safety System every year in the prescribed format and submit/upload the photographs of the Mock Drills conducted in the premises. It is the responsibility of the Builder to maintain the Fire Safety Equipment in good working condition at all times and apply for next Periodical Renewal of No Objection Certificate, duly remitting the User Charges as per G.O., two (02) months before expiry of this of No Objection Certificate.

13) The Management is hereby informed that this NO Objection Certificate is issued subjective to full compliance with provisions of Gazette Notification Vide No. G.560 (W.No.2), Dated.18-01-2022, including Mock Drills

Yours sincerely,


Director General,

State Disaster Response and Fire Services,
Andhra Pradesh, Vijayawada.

Copy to the Management of M/s Adani Krishna Patnam Port Ltd, located at Muthukur (M), SPSR Nellore District.

Note: In case of any emergency call to 101 or State Fire Control Room-9100108101.

GOVERNMENT OF ANDHRA PRADESH
STATE DISASTER RESPONSE & FIRE SERVICES DEPARTMENT

From :

The Director General,
State Disaster Response and Fire Services,
Andhra Pradesh, Vijayawada.

To :

The Management,
M/s Engineering Technology & Services
(ETS-1 & 2), Krishnapatnam,
Muthukur (M), SPSR Nellore District.

.....
Rc.No.5116/NLR/DFO/2018 (MSB-SR), Dated: 12-10-2022.

Sir,

Sub: A.P. State Disaster Response and Fire Services Department-
MSB Section-Issuance of Renewal of No Objection Certificate to the
Existing Building of M/s Engineering Technology & Services (ETS-1 & 2)
represented by G.Ravindranath belongs to Krishnapatnam Port
Company Ltd., Krishnapatnam, Muthukur (M), SPSR Nellore District-
Regarding.

- Ref: 1. Occupancy NOC File No.5116/NLR/DFO/2018, Dt:20.11.2018 of
District Fire Officer, SPSR Nellore.
2. Renewal NOC File No.10067/NLR/DFO/2019, Dt:14.11.2019 of
District Fire Officer, SPSR Nellore.
3. AP Gazette Part II-Miscellaneous Notifications of interest to the
Public vide No.G-560 (W.No.02), Dated:18.01.2022.
4. Application of M/s Engineering Technology & Services (ETS-1 & 2)
represented by G.Ravindranath belongs to Krishnapatnam Port
Company Ltd., Krishnapatnam, Muthukur (M),
SPSR Nellore District.

The Management of M/s Engineering Technology & Services (ETS-1 & 2)
represented by G.Ravindranath belongs to Krishnapatnam Port Company Ltd.,
Krishnapatnam, Muthukur (M), SPSR Nellore District has requested to issue Renewal of
No Objection Certificate by duly remitting the Renewal Fee towards Fire Precautionary Fee
vide reference 4th cited.

2) The No Objection Certificate for Occupancy Certificate was issued vide reference
1st cited to the Existing Building of M/s Engineering Technology & Services (ETS-1 & 2)
represented by G.Ravindranath belongs to Krishnapatnam Port Company Ltd.,
Krishnapatnam, Muthukur (M), SPSR Nellore District with Ground + First Floor with a Height
of 06.69 Mtrs., with Built-up area of 561.76 Sq.Mtrs., for Business Occupancy. Further, the
Management has obtained Renewal of NOC from this Department vide reference 2nd cited.

3) The Management has submitted the Affidavit/Self Certification for
Existing Building with Ground + First Floor with a Height of 06.69 Mtrs., with Built-up area of
561.76 Sq.Mtrs., and stated that they have provided the following Fire Safety measures also
they declared that no additions or alterations have been made in the Building affecting
Fire Prevention and Fire Safety measures including Means of Escape and that all Exits and
Passages are free from any obstruction.

(contd....2p)

4) In view of the above and taking into consideration of the larger public interest and also based on the Affidavit/Self-Certification submitted by the management, the Renewal of No Objection Certificate is issued to the Existing Building of M/s Engineering Technology & Services (ETS-1 & 2) represented by G.Ravindranath belongs to Krishnapatnam Port Company Ltd., Krishnapatnam, Muthukur (M), SPSR Nellore District with Ground + First Floor with a Height of 06.69 Mtrs., with Built-up area of 561.76 Sq.Mtrs., for Business Occupancy that highest priority is accorded to Passive Safety measures such as ensuring two Exits, not Co-Locating with highly inflammable Shops having Cloths, Chemical or Explosives and following Electrical Safety Checklist.

5) It is suggested to the Management for providing the following Fire Safety measures keeping in view of Practicality, Maintenance and Resilience.

Sl. No.	Fire Fighting Equipment	Prescribed		Available with Nos.	Deficit
1	Staircases	Minimum (02) shall be Provided. If the Second Staircase is not possible, provide Slider or Tube Lift with Exhaust Fan (connected outside to Building) or German Chute or Horizontal connection between the neighborhood Buildings.		02 No.'s	Nil
2	Fire Extinguishers	ABC/CO2 type		26 No's.	Nil
3	Underground parking/ Cellar / Basement	Temperature Sensors connected to " Hooter " and that can be give alerts through Cell phone instead of Sprinklers.		Provided	Nil
4	Manual Call Point System	One Number per Floor		02 No.'s	Nil
5	Under Ground Static Water Tank (or) Terrace Water Tank	10,000 Ltrs. (Minimum)	U.G T.T	- 10,000 Ltrs.	Nil
6	Smoke Exhaust (Mobile) Fan shall be procured to expel the smoke in case of Fire.	Required		Provided	Nil
7	2 HP (Pump + Electrical Motors connected) @ one per Floor connected to Normal Plumbing System instead of Down Comer/Special Pipes.	One per each Floor (Total 02 Floors)		01 No.	Nil
8	5 HP (Mobile Pump + Petrol Engine on wheels connected to Ground Floor Sump) shall provide instead of Down Comer/Wet Riser System:	NA		01 No.	Nil
9	A/c Centrally Air Conditioned:	Fire Dampers		Provided	Nil
		Separation of Air Ducts to different Floors		Provided	Nil
10	Display the mentioned Phone Nos. at important areas.	(i) Fire Department Number (ii) Ambulance (iii) Police		Displayed	Nil

(contd....3p)

6) The Management has provided the following Electrical Safety system.

(i)	All Electrical wirings in the Building shall confirm the code of practise for Electrical wiring IS:732:1989 and also shall confirm for Fire Safety Wiring of the Building Electrical Installations as per IS:1646:2015. Most common mistake is that the neutral wires to the Three Pin plugs are not of sufficient thickness to carry the current in case of any Short Circuits.	:	Provided
(ii)	Installation of Miniature Circuit Breakers (MCB's) and to protect high power intensive equipment etc.,	:	Provided
(iii)	No Overloading of Power Sockets.	:	Provided
(iv)	Electrical wiring to be changed for every ten years, wherever high power consuming appliances such as Air Conditioners etc.,	:	Provided
(v)	LED lights in Closed Rooms, Corridors, Staircases connected to Inverter (Battery) to ensure well light pathways for Exit or Evacuation inspite of regular power failure in any Emergency.	:	Provided
(vi)	Grounding/Earthing Shall be done. For details refer IS 3043:1987.	:	Provided
(vii)	To install non pressurized Aerosol suppression system (or) CO2 Flooding system in Electrical Panel Rooms.	:	Provided
(viii)	Lightening Conductors shall be provided for more than 05 Floors Building.	:	NA
(ix)	All the above Safety measures shall be Certified by the authorized Electrical Engineer.	:	Certified

7) The Management has provided the following LPG Safety system (if Kitchen is provided):

(i)	LPG Cylinders shall be located outside the kitchen with proper ventilation and protection from Rain and Sunlight.	:	NA
(ii)	LPG Detectors with Alarms shall be provided/installed.	:	NA
(iii)	There should be separation between Electrical Water Heaters and LPG Cylinders.	:	NA
(iv)	Five ways of putting up LPG Cylinder Fires (Pictorial/Cartoon) shall be displayed in the kitchen.	:	NA
(v)	Co2 Fire Extinguishers (Minimum 02 No's.) of 4.5 KG each shall be provided in the kitchen.	:	NA

8) It is informed that, the Management is requested to maintain the following conditions compulsorily for Safety purpose.

Sl. No.	As Builder	As Occupant	As Security personnel
1.	All the Fire protection arrangements shall be maintained in good working condition at all time.	The Escape/Exit roots shall not be kept Locked/Blocked or Encroached.	All the Occupants must be trained the correct method of operation of the Fire Fighting system installed.
2.	Any loss of life or property due to non-functioning of Fire Safety Measures and other Installations shall be the responsibility of the Management.	All Occupants shall be trained to operate the Fire Safety Equipment during Emergency.	Mock Drills should be conducted once in 03 months for initial two years. Thereafter, once in every 06 months.
3.	Addition/Alteration, if any in the Building may be verified by Building Authority.	Mock Drills should be conducted once in 03 months for initial two years. Thereafter, once in every 06 months.	All Security Personnel shall be trained to operate the Fire Safety Equipment during Emergency.
4.	This Renewal of No Objection Certificate is only from Fire Safety Point of View.	Raise the alarm If the Fire cannot be controlled, Evacuate the area completely at once with nearest Safe Exit.	Attack the Fire using available Fire Equipment only if you feel capable of controlling it. If not, take all steps to isolate the area by closing Doors and Windows.

9) The Management shall ensure the following conditions:

- (i) The Management is responsible for all risks involved in case of Fire Accident.
- (ii) This Renewal of NOC is given based on the information, Documents and Drawings provided by the Applicant. The Applicant confirms that the information provided and the Documents and Drawings submitted are correct. Any deviation noticed will lead to cancellation of NOC without any Notice.
- (iii) The permission accorded does not confer any Ownership rights. If it is found that the information furnished is false and fabricated, the permission will be revoked at any stage and the Applicant will be liable for criminal prosecution as per IPC.

10) This Renewal of No Objection Certificate is Issued, subject to the outcome of O.As/ W.Ps etc., if any, before Courts etc.,

11) This Renewal of No Objection Certificate is valid for a period of Five (05) years from the date of issue of this letter subject to the Management of M/s Engineering Technology & Services (ETS-1 & 2) represented by G.Ravindranath belongs to Krishnapatnam Port Company Ltd., Krishnapatnam, Muthukur (M), SPSR Nellore District for Business Occupancy. The Owner/ Occupier/ Builder/ Management concerned of the Building shall submit Affidavit/ Self Declaration/ Certification with regard to working condition of above Fire Safety system every year in the prescribed format and submit/upload the Photographs of the Mock Drills conducted in the premises. It is the responsibility of the Builder to maintain the Fire Safety Equipment in good working condition at all times and apply for next Periodical Renewal of No Objection Certificate, duly remitting the User Charges as per G.O, two (02) months before expiry of this Renewal of No Objection Certificate.

12) The Management is hereby informed that, this Renewal of NO Objection Certificate is issued subjective to full compliance with provisions of Gazette Notification vide No.G-560 (W.No.02), Dated:18.01.2022 including Mock Drills.

Yours Sincerely,



12/10/2022

Director General,
State Disaster Response and Fire Services,
Andhra Pradesh, Vijayawada.

Copy to the Director of Ports, Government of Andhra Pradesh.

Note: In case of any Emergency Call to 101 or State Fire Control Room-9100108101.

**GOVERNMENT OF ANDHRA PRADESH
GROUND WATER AND WATER AUDIT DEPARTMENT**

Annexure 9

From:

M. John Satya Raju,
M.Tech,
Director,
Ground Water & Water Audit Department,
4th & 5th Floors, Vysya Bhavan,
Namboori Gopala Rao Street,
Hanumanpet, Vijayawada-520 003.
E-Mail: tappal-grw@ap.gov.in

To:

The Managing Director,
M/s Adani Krishnapatnam Port
limited.
Krishnapatnam Village,
Muthukur Mandal,
SPSR Nellore District.

Letter No:1615/Hg-II/2025,

Dated:17.06.2025

Sir,

Sub:- Ground Water and Water Audit Department - Single Desk Policy -
M/s Adani Krishnapatnam Port Limited, Krishnapatnam Village,
Muthukur Mandal, SPSR Nellore District - NOC issued to draw 598
KLD of Ground Water - Regarding.

Ref:- 1. Online application ID: CAE2500383 dated 28-05-2025.
2. Lr.Rc.No.969-A/Hg/Single Window/2025, dated:16.06.2025 of the
District Ground Water Officer, GW&WAD, SPSR Nellore District.
3. G.O.Ms.No.3, Dated:29.01.2021 of Industries & Commerce (P&I)
Department, Government of Andhra Pradesh.

Your attention is invited to the subject and references cited.

Based on the recommendations of the District Ground Water Officer, Ground Water and Water Audit Department, SPSR Nellore District grant of permission is hereby accorded to draw a total quantity of 598 KLD against the requirement of 950 KLD of ground water from 8 No.s of newly recommended Twin Filter Points to M/s Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, SPSR Nellore District under Single Window clearance as per the No Objection Certificate (enclosed).

Further, the firm is advised to make alternative arrangements to meet the remaining quantity of water.

Encl: NOC & Report

Yours faithfully,
Sd/-M. John Satya Raju
DIRECTOR

Copy submitted to the Commissioner, PR&RD Department and Administrator, APWALTA, Tadepalli, Guntur District for information.

Copy to the District Ground Water Officer, Ground Water and Water Audit Department, SPSR Nellore District for information and to communicate the same approved report to concerned Muthukur Mandal WALTA Authority (Tahsildar)

// True Copy //

For DIRECTOR



GOVERNMENT OF ANDHRA PRADESH
GROUND WATER AND WATER AUDIT DEPARTMENT
O/o Director, Ground Water and Water Audit Department, Vijayawada
PERMISSION / NO OBJECTION CERTIFICATE

NOC No: AP01709052025-26

Sector: Infrastructure

**Line of activity: Ports & Harbours, Jetties
and Dredging Operations**

Date of Issue:17.06.2025

Valid Up to:16.06.2028

With reference to the application No. CAE2500383 dated 28-05-2025 NOC for extraction of Ground water is issued as per the details given under:

1. Name of Proponent : **Anil Kumar Trivedi**
2. Name of the Industry : **M/s Adani Krishnapatnam Port Limited**
3. Location of the Industry

R.S.No: 456/3,473/5476/B,654/2,655,662,663,667,668,669,674,455/1,455/2,456/2,
684,706,707,708,709,710,712,712,714,715,716,717,718,750,721,722,773,76,
94/2,94/3,133,134/1,134-2,135/2,135-1,136,136/1,157,158/2,159,164,168
/C,174,176/2,177,178,179/2,182,237,563,564,565,566,567,565,566,567,
568,569,570,571,572,637,638,675,680,681,682

Extent: **25 Acres**

Village: **Krishnapatnam**

Mandal: **Muthukur**

District: **SPSR Nellore**

Details of Ground Water extraction structures for which NOC is issued

S. N o.	Type of Well	Location in the plant area	Geo Coordinates	Depth in m/ Dia in mm	Expected average yield of the Well (in LPH)	Permitted pumping hours per day	Estimated Yield (in LPD)	Permitted Quantity (in KLD)
			Latitude/ Longitude					
1	Twin Filter Point (New)	Hg-1	14°15'40.21"N 80°6'51.73"E	7/110	7,000	10	70,000	70
2	Twin Filter Point (New)	Hg-2	14°14'17.36"N 80°07'3.21"E	7/110	7,200	10	72,000	72
3	Twin Filter Point (New)	Hg-3	14°13'53.04"N 80°07'5.00"E	7/110	7,400	10	74,000	74
4	Twin Filter Point (New)	Hg-4	14°16'26.50"N 80°05'58.21"E	7/110	7,500	10	75,000	75
5	Twin Filter Point (New)	Hg-5	14°14'5.07"N 80°07'20.12"E	7/110	7,800	10	78,000	78
6	Twin Filter Point (New)	Hg-6	14°13'58.30"N 80°06'49.43"E	7/110	8,000	10	80,000	80
7	Twin Filter Point (New)	Hg-7	14°16'23.33"N 80°05'41.23"E	7/110	7,300	10	73,000	73
8	Twin Filter Point (New)	Hg-8	14°16'3.84"N 80°04'34.41"E	7/110	7,600	10	76,000	76
Total Quantity of Groundwater permitted								598

Permission/NOC is hereby issued to draw 598 KLD against the requirement 950 KLD of Ground Water from 8 No.s of newly recommended Twin filter points to meet the requirement of the industry.

This NOC is issued to M/s Adani Krishnapatnam Port Limited subject to the implementation of the following specific Terms and Conditions.

- **The firm is permitted to draw 598 KLD against the requirement 950 KLD of Ground Water from 8 No.s of newly recommended Twin filter points with 10 hours pumping per day only.**
- The firm must construct 8 No.s of newly recommended Twin filter points at the identified locations and to the depth recommended.
- The firm is instructed to pump the 8 No.s of newly recommended Twin filter points in alternative two or three spells in a day and continuous pumping of 10 hours should be avoided.
- Not permitted to construct additional ground water abstraction structures without prior approval of the department.
- The firm shall seek prior permission from the department concerned for any increase in quantum of ground water (more than permitted).
- The management shall mandatorily install tampered proof digital flow meters (conforming to BIS/IS standards) having telemetry system to the 8 No.s of newly recommended Twin filter points for accounting daily ground water withdrawals.
- **The firm shall construct 2 No.s of piezometers viz., PZ-1 & PZ-2, one on due North East corner, at the location having geo-coordinates 14°16'25.69"N & 80° 7'44.92"E and another one on due South side at the location having geo-coordinates 14°13'41.96"N 80° 7'21.70"E respectively in the industry premises for monitoring of fluctuations in ground water levels and quality, if any. It is also instructed to install DWLRs with Telemetry to measure water levels regularly.**
- The firm should maintain the registers of water level data of piezometers and flow meters data of the 8 No.s of newly recommended Twin filter points. The data should be submitted to the District Ground Water Officer, Ground Water and Water Audit Department, SPSR Nellore District regularly for study purpose.
- Ground water quality shall be monitored twice in a year during pre-monsoon (May) and post monsoon (November) periods and the analytical reports shall be submitted to the O/o District Ground Water Officer, Ground Water and Water Audit Department, SPSR Nellore District for analysis purpose.
- **The firm is recommended to construct 12 No.s of Recharge ponds with the dimensions of 30mx20mx2m at suitable locations in the premises to compensate the ground water losses and augment the ground water recharge in the area.**
- The firm has to take all necessary measures required to recharge the ground water in terms of rain water harvesting ponds, pits and other feasible structures at suitable locations by accommodating the available run off from the roof top and other areas of the premises in such a way that it should proportionate with the quantum of ground water extraction.
- The firm shall undertake periodic maintenance of the recharge structures on their own cost.
- The firm shall be required to adopt the latest water efficient technologies so as to reduce the dependence on ground water resources.
- **The firm is advised to register the 8 No.s of newly recommended Twin filter points with the competent authority (as per APWALTA rules).**
- The effluents must be treated properly and must be free from all toxic materials, turbidity, color, odor etc. and should not be let out into either surface or groundwater bodies.
- **Injection of treated/untreated waste water into the aquifer system is strictly prohibited.**
- The firm is suggested to adopt 3R concept for the sake of ground water regime.
- **Officers of the Ground Water and Water Audit Department must be allowed to inspect the well, plant area, recharge structures and data whenever found necessary.**

- The recommendations holds good subject to the normal rainfall conditions and stage of Ground Water development in the area.
- The Government of A.P./GW&WA Dept reserved the right to stop the plant from using ground water during emergencies or whenever the plant deviates from the terms and conditions.
- The management has to submit their consent regarding grounding of the recommendations, terms and conditions within a month of the receipt of the NOC.
- The present NOC is valid Up to 3 years from the date of issue. The management shall apply for renewal of NOC at least 90 days prior to expiry of its validity through the Commissioner, PR&RD Department and APWALTA Administrator.

Sd/M.John Satya Raju
DIRECTOR

// True Copy //


For DIRECTOR



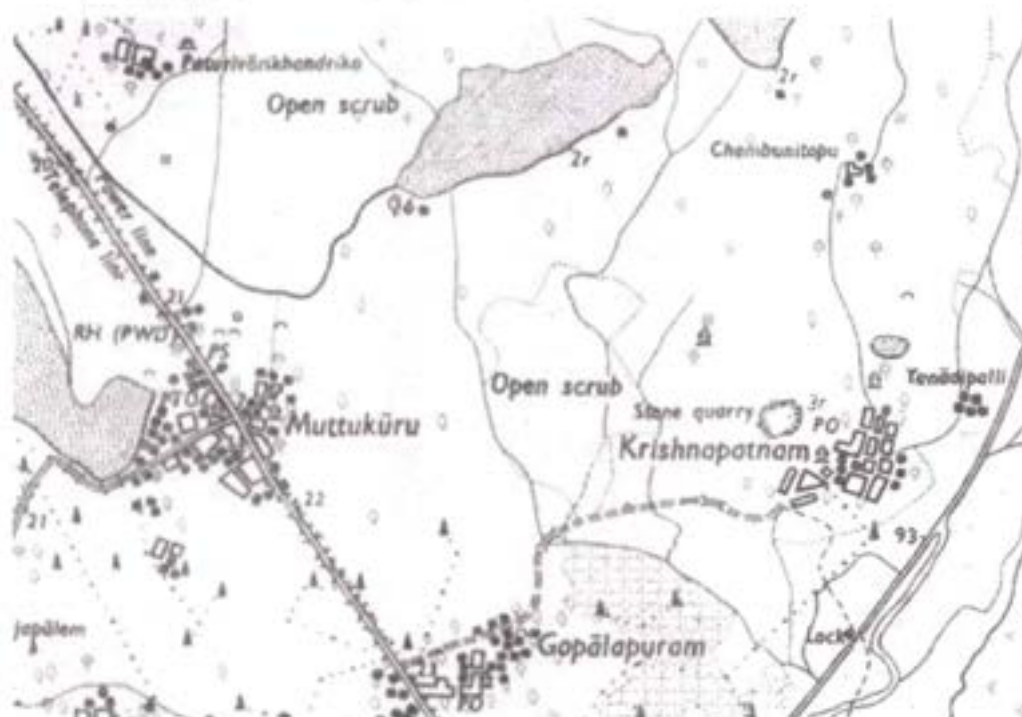
**REPORT ON HYDROGEOLOGICAL AND GEOPHYSICAL INVESTIGATIONS FOR SELECTION OF
SITES FOR FILTER POINTS IN THE PREMISES OF M/s ADANI KRISHNAPATNAM PORT
LIMITED AT KRISHNAPATNAM VILLAGE OF MUTHUKUR MANDAL, SPSR NELLORE
DISTRICT.**

Introduction: At the instance of, M/s Adani Krishnapatnam Port limited vide Application ID: CAE2500383 dated 28-05-2025, groundwater investigations were conducted. The total requirement for industrial and drinking purpose is 950KLD (300 KLD for Drinking Purpose and 650 KLD for Greenbelt area development Purpose).

As per the instructions of the Deputy Director, Groundwater and Water Audit Department, Nellore detailed and integrated groundwater investigations were carried out by Smt.A.JyothirmayeA.Hg. in the premises of M/s Adani Krishnapatnam Port limited at Krishnapatnam Village, Muthukur Mandal, SPSR Nellore district on 11-06-2025, to assess the present usage and possibility for groundwater exploitation to meet the requirement of 950 KLD.

Location: The proposed site which is having an extent of 25 acres of land bearing survey No. 456/3,473/5476/B,654/2,655,662,663,667,668,669,674,455/1,455/2,456/2,684,706,707, 708,709,710,712,712,714,715,716,717,718,750,721,722,773,76,94/2,94/3,133,134/1,134-2,135/2,135-1,136,157,158/2,159,164,168/C,174,176/2,177,178,179/2,182,237,563,564,565, 566,567,568,569,570, 571,572,637,638,675,680,681,682 is located at a distance of 380 m South to the Krishnapatnam Village and the area lies between North Latitudes of 14°17'6.45"N to 14°13'15.44"N and East longitudes of 80° 8'30.92"E to 80° 6'4.53"E. The investigated area falls in survey of India Toposheet No.66B/3

TopoSheet



Physiography and Drainage: The investigated area has a plain topography and gently slopes from west to east, with an elevation of approximately 5 meters above mean sea level. A parallel drainage pattern prevails in the surrounding area.

Soil Type and Cropping Pattern: The investigated area is covered with sandy soils, with a thickness ranging from 1 to 2 meters, and these soils possess good infiltration capacity. Paddy is the main crop cultivated in the area using surface water sources, while groundnut is the major crop grown using groundwater.

Geomorphology & Geology: Geomorphologically, the investigated area is a coastal mudflat and underlain by coastal alluvium formation with fine to medium grained texture.

Climate & Rainfall: The investigated area experiences a tropical climate, with maximum and minimum temperatures of 45°C and 18°C, respectively. Most of the precipitation occurs during the North-East Monsoon, and the normal annual rainfall in the area is 1,216.4 mm. The investigated area falls within the command area. Rainfall data for the past 14 years for Muthukur Mandal is presented in Table 1.

Table-1

Water year	Normal Rainfall in mm	Actual Rainfall in mm	Rainfall Deviation (%)	Status of Rainfall
2011-12	1216.4	1363.6	12.1	Normal
2012-13	1216.4	720	-40.8	Deficient
2013-14	1216.4	948.8	-22.0	Deficient
2014-15	1216.4	622	-48.9	Deficient
2015-16	1216.4	1694.6	39.3	Excess
2016-17	1216.4	289	-76.2	Deficient
2017-18	1216.4	673.3	-44.6	Deficient
2018-19	1216.4	581.6	-52.2	Deficient
2019-20	1216.4	1237.2	1.7	Normal
2020-21	1216.4	1694.3	39.3	Excess
2021-22	1216.4	1504	23.6	Excess
2022-23	1216.4	1387.9	14.1	Normal
2023-24	1216.4	923.3	-24.1	Deficient
2024-25	1216.4	1239.2	1.9	Normal

Hydrogeology and Field Observations: The investigated area is covered with sandy clay soils and underlain by Coastal Alluvium formations of recent geological age. The underlying formation is unconsolidated in nature and consists of a limited productive sand zone followed by clay. In and around the scheme area, groundwater occurs under water table conditions and is being extracted through filter points.

During the survey, it was found that there are no filter point wells within a 1.5 km radius. Beyond this limit, Gemini Industries Pvt. Ltd. is located, where five filter point wells are present. These filter points are constructed to a depth of up to 8 meters and are each equipped with a 3 HP submersible motors. To determine the discharge rates of the existing filter points, short-duration yield tests were conducted using the time and volume method with a 200 litre drum. The results indicated that the filter points are operating with moderate to good yields. (Yield test results are provided in Table – 1)..

Table-1

S.No	Name of the Well Owner	Type of Well	Trail – I	Trail – II	Average Yield
1	Gemini Industries Pvt. Ltd (Outside the Premises)	Filter Point	12,500	11,500	12,000
2	Gemini Industries Pvt. Ltd (Outside the Premises)	Filter Point	11,400	10,500	10,950

The present existing outside filter point wells depth to water levels of the wells varies from 2 to 3m bgl and their discharges ranges from 10,000 to 12,000 lph with 3 HP monoblock Motors. (Well Inventory details given in Table –II below).

Table-II

S.No	Name of the Owner/Location	Geo Coordinates	Type of Well	Total Depth of Well(m)	Depth to Water Level(m) (Reported)	Diameter	Mode Of Lift	Average Yield in LPH
1	Gemini Industries Pvt. Ltd (Outside the Premises)	14°15'37.83"N 80° 4'8.72"E	Filter Point	8	2-3 m	110mm	3Hp Mono	12,000
2	Gemini Industries Pvt. Ltd (Outside the Premises)	14°15'36.39"N 80° 4'15.29"E	Filter Point	8	2-3 m	110mm	3Hp Mono	10,950
3	Gemini Industries Pvt. Ltd (Outside the Premises)	14°15'40.20"N 80° 4'9.90"E	Filter Point	8	2-3 m	110mm	3Hp Mono	10,000-12,000 (Reported)

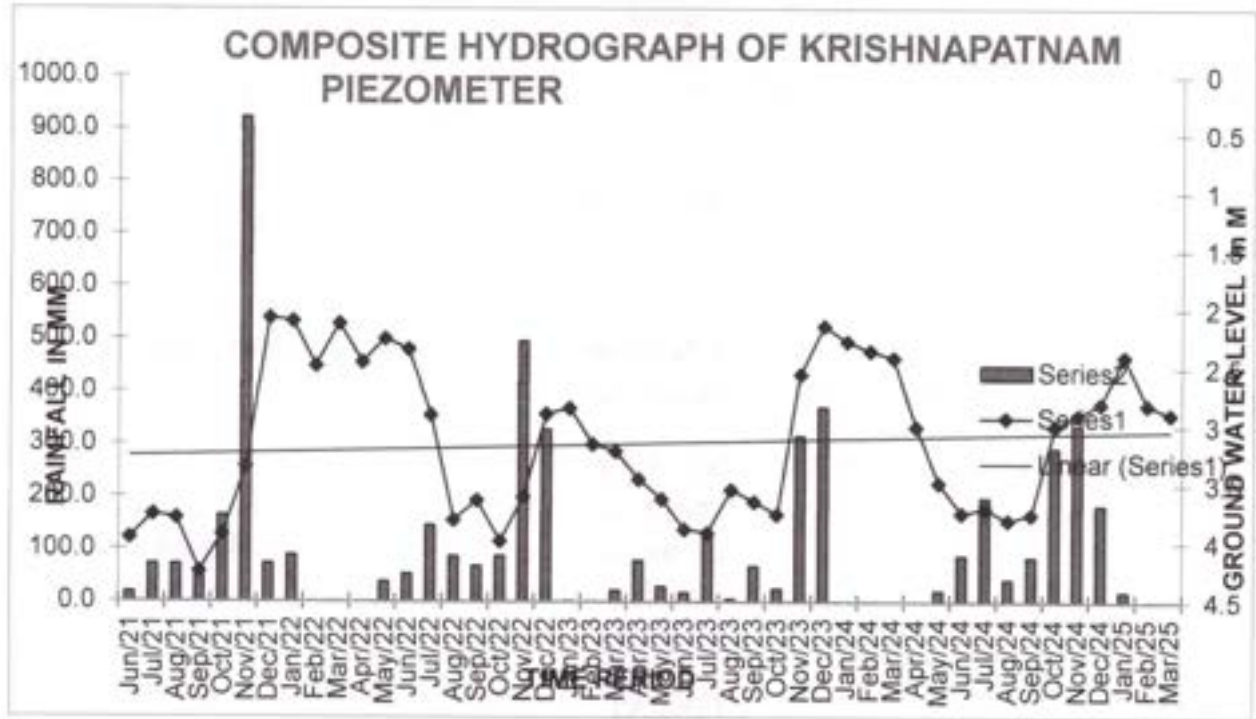
4	Gemini Industries Pvt. Ltd (Outside the Demarcation)	14°15'29.32"N 80° 4'25.51"E	Filter Point	8	2-3 m	110mm	3Hp Mono	10,000-12,000 (Reported)
5	Gemini Industries Pvt. Ltd (Outside the Premises)	14°15'29.46"N 80° 4'22.49"E	Filter Point	8	2-3 m	110mm	3Hp Mono	10,000-12,000 (Reported)

Water Level Data: The nearest piezometer, established by the Groundwater and Water Audit Department, Nellore, is located at Z.P.H. School, Krishnapatnam Village, approximately 270 meters due north of the scheme area. The depth to the water level in May 2025 is recorded as 3.0 meters below ground level (bgl).

To assess the local groundwater level trend, water level data from the past four years for the Krishnapatnam Village piezometer has been considered. A composite hydrograph has been prepared, which shows a clear, moderately rising trend in response to precipitation. The water level data from the piezometer is presented below in Table-III.

Table-III: Depth to Average Water Level Data of Krishnapatnam Piezometer

Water year	Krishnapatnam	
	Pre monsoon(m)	Post monsoon(m)
2021-22	4.24	2.1
2022-23	3.95	2.8
2023-24	3.91	2.14
2024-25	3.8	2.4



Quality of Groundwater: - Groundwater samples were collected from the existing filter points in Krishnapatnam Village and analysed for chemical parameters. The results for pH, electrical conductivity, and total dissolved solids are presented in Table-IV. The data indicates that the measured parameters exceed the permissible limits, and the groundwater quality is classified as moderate.

Table – IV

S.No	Name of the Premises	Electrical Conductivity Microsiemens / cm	pH	Total Dissolved Solids (Mg/L)	Quality Of Ground Water
1	Krishnapatnam village	1068	7.44	629	Moderate

GEC Status: The Krishnapatnam Village of Muthukur Mandal falls in the basin NLR_C_73_MUTTUKUR-MB. As per GEC 2023-24 calculations the availability, draft and stage of development are as shown in Table-V below.

Table-V

S. No	Groundwater Assessment Unit	Net Groundwater Availability in Ha.m	Draft for all Uses in Ha.m	Balance in Ha.m	Stage of Development	Categorization of the Assessment Unit
1	Krishnapatnam Village	212.64	74.93	137.71	35.23%	Safe
2	Muthukuru Mandal	5547.81	2023.23	3524.58	42.29%	Safe
3	NLR_C_73_MUTTUKUR-MB Basin	19142	4656.2	14485.8	27%	Safe

As per the GEC 2023-24 calculations the Krishnapatnam Village, Muthukuru Mandal and the Basin NLR_C_73_MUTTUKUR-MB falls in safe category.

Suggestion for Groundwater Recharge: - As per the reported roof top, pavement and green belt areas available in the firm premises, a total of 81541 Cu.m of rain water can be harvested in response to the normal annual rainfall of 1216mm in Muthukuru mandal. Details of calculation of quantum of runoff availability in the premises are given in table VI below.

Table-VI

S.No	Location	Area in Sq.m (Approx)	Rainfall in mm	Runoff Coefficient	Quantity of available runoff in Cu.m
1.	Buildings/Sheds (Proposed)	6475	1.216	0.85	6693
2.	Green Belt Area	94696	1.216	0.65	74848
Total Rainwater that can be Harvested					81541

Therefore, to compensate the groundwater losses and enhance the groundwater recharge, the firm is recommended to construct 12 recharge ponds capable of recharging the quantum of extraction at suitable place within the firm premises with 30*20*2m dimensions.

S. No	Type of Structure Recommended	Dimensions of Recommended Structure (L*W*D)	No. of Structures recommended	No. of Fillings	Total Storage	Contribution to groundwater recharge (50% of Storage)
1	Recharge Pond	30*20*2m	12	10	1,44,000 cu.m	72,000 cu.m
Total water that can be recharged from 2 Newly recommended recharge ponds						72,000 cu.m

Conclusion and Recommendations: The detailed groundwater survey results reveal that the scheme area is underlain by coastal alluvium formations belonging to the Recent age on the geological time scale. In and around the scheme area, groundwater occurs under water table conditions and is being extracted through filter point wells. During the well inventory, it was observed that groundwater levels in the existing external filter points are at shallow depths, ranging from 2 to 3 meters below ground level (bgl), indicating shallow water table conditions. These filter point wells are functioning with good yields due to favourable recharge conditions. A total of five filter point wells were inventoried, each constructed to a depth of 8 meters and fitted with 3 HP monoblock motors. These wells are yielding moderate to good discharge rates, ranging from 10,000 to 12,000 litres per hour (LPH). The quality analysis of groundwater samples collected from the existing filter points indicates that the groundwater is of moderate quality.

The firm has applied for a total requirement of 950KLD (300 KLD for Drinking Purpose and 650 KLD for Greenbelt area development Purpose). Based on the integrated groundwater survey results it is found that the scheme area is feasible for groundwater exploitation by means of twin filter point wells. Hence to meet the above requirement of 950 KLD the firm is recommended eight new twin filter point wells - Hg-1, Hg-2, Hg-3, Hg-4, Hg-5, Hg-6 Hg-7 & Hg-8 are recommended with in premises and drill to a depth of 5-7m with an expected yield of 7,000-8,000 LPH. From the eight recommended twin filter point wells around 5,98,000 LPD or 598 KLD of groundwater can be met with 10 hours pumping per day. The remaining requirement for processing purpose may be met by arranging alternative sources only. The quality of groundwater is suitable for drinking only after purifying/treating the water.

As per instructions of MINISTRY OF JAL SHAKTI, CGWA Notification, New Delhi, the 24th September, 2020, it is mandatory to construct piezometer well with DWLR within their premises. As per the guidelines, the quantum of water required by the firm is 598 KLD which is within the range of >500 cum/day, two piezometer should be constructed with in the premises of the plant. The firm is recommended should construct two new filter point well due North East corner (PZ1- 14°16'25.69"N & 80° 7'44.92"E) and due south(PZ2- 14°13'41.96"N 80° 7'21.70"E) sides of the plant premises down to a depth range of 5-7m tapping the same aquifer as the recommended well within the premises of the plant with DWLR so as to monitor fluctuations in ground water levels and quality, if any, timely. The details of recommendations are given below and the below recommendations are made by following the spacing norms as per G.O MS No.16.

Recommendations: -

Sl. No.	Recommended VES No. Or Geo Co Ordinates	Type of well	Depth/ Dia in m/mm	Hours of pumping	Measured yield(LPH)	Total Yields (LPD)	Permitted water in LPD
1	M/s Adani Krishnapatnam Port limited @ Hg-1 14°15'40.21"N & 80° 6'51.73"E	Twin Filter Point	5-7m/ 110 mm	10	7,000 LPH	70,000 LPD	70,000 LPD
2	M/s Adani Krishnapatnam Port limited @ Hg-2 14°14'17.36"N & 80° 7'3.21"E	Twin Filter Point	5-7m/ 110 mm	10	7,200 LPH	72,000 LPD	72,000 LPD
3	M/s Adani Krishnapatnam Port limited @ Hg-3 14°13'53.04"N & 80° 7'5.00"E	Twin Filter Point	5-7m/ 110 mm	10	7,400	74,000 LPD	74,000 LPD
4	M/s Adani Krishnapatnam Port limited @ Hg-4 14°16'26.50"N & 80° 5'58.21"E	Twin Filter Point	5-7m/ 110 mm	10	7,500	75,000 LPD	75,000 LPD
5	M/s Adani Krishnapatnam Port limited @ Hg-5 14°14'5.07"N & 80° 7'20.12"E	Twin Filter Point	5-7m/ 110 mm	10	7,800	78,000 LPD	78,000 LPD
6	M/s Adani Krishnapatnam Port limited @ Hg-6 14°13'58.30"N & 80° 6'49.43"E	Twin Filter Point	5-7m/ 110 mm	10	8,000	80,000 LPD	80,000 LPD
7	M/s Adani Krishnapatnam Port limited @ Hg-7 14°16'23.33"N & 80° 5'41.23"E	Twin Filter Point	5-7m/ 110 mm	10	7,300	73,000 LPD	73,000 LPD
8	M/s Adani Krishnapatnam Port limited @ Hg-8 14°16'3.84"N & 80° 4'34.41"E	Twin Filter Point	5-7m/ 110 mm	10	7,600	76,000 LPD	76,000 LPD
Total Groundwater permitted to draw from 8 newly recommended twin filter points						5,98,000 LPD or 598 KLD	

From the 8 newly recommended twin filter points (Hg-1, Hg-2, Hg-3, Hg-4, Hg-5, Hg-6, Hg-7 & Hg-8) 5,98,000 LPD or 598 KLD of groundwater can be met. The remaining requirement can be met by arranging alternative sources only. The recommended twin filter points shall be pumped in alternative two or three spells in a day and continuous pumping of the wells for a period of 10 hours should be avoided. To promote the recharge and compensate the groundwater losses the firm is recommended to build artificial recharge structures and also recommended to establish roof top rainwater harvesting structures to the existing buildings in their premises.

Terms and Conditions:

1. The firm/management shall mandatorily install tampered proof digital flow meters (conforming to BIS/IS standards) having telemetry system to the existing filter points and newly recommended filter points for accounting daily groundwater withdrawals by industrial unit from permitted groundwater abstraction structures.
2. The firm should construct two new piezometer filter point wells due North East corner (PZ1- 14°16'25.69"N & 80° 7'44.92"E) and due south side (PZ2- 14°13'41.96"N 80° 7'21.70"E) of the industry in their premises and install digital water level recorders with telemetry system for daily water level monitoring.
3. The newly recommended twin filter points shall be constructed at the identified location and to the recommended depths only.
4. Not permitted to construct additional groundwater extraction structures without prior approval of the department.
5. The firm shall seek prior permission from department concerned for any increase in quantum of groundwater (more than permitted).
6. The wells must be pumped for the recommended numbers of hours/day only.
7. The firm should maintain the registers of water level data of piezometer and flow meter data of the newly recommended/ permitted filter point wells. The data should be submitted to the District Groundwater Officer, Groundwater and Water Audit Department, SPSR Nellore District regularly for study purposes.
8. Groundwater quality (all parameters) shall be monitored twice in a year during pre-monsoon (May) and post monsoon (November) and the analytical report shall be submitted to the O/o Deputy Director, Groundwater and Water Audit Department, Nellore District for Analysis purpose.
9. The firm is advised to register the wells drilled with competent authority (as per APWALTA Rules).
10. The firm shall undertake periodic maintenance of the recharge structure at their own cost.
11. The firm shall be required to adopt the latest water efficient technologies so as to reduce the dependence on groundwater resources.
12. The management of the industry shall pay groundwater extraction charges as per rates fixed by the authority.

13. Officers of the Ground Water and Water Audit Department must be allowed to inspect the wells, plant area, recharge structures and data whenever found necessary by them.
14. The recommendations hold good subject to the normal rainfall conditions and stage of Ground Water and Water Audit Department in the area.
15. The Government of A.P. /GWD reserved the right to stop the plant from using ground water during emergencies or whenever the plant deviates from the terms and conditions.
16. The firm has to give their consent to the above terms and conditions within a week compliance regarding grounding of the recommendations and terms and conditions within a month of receipt of the report/ recommendations.
17. The present permitted yields of the wells are subjected to recharge conditions, annual actual rainfall and groundwater utilization in the surrounding area. Hence the firm has to take alternate arrangements during shortage of groundwater.
19. The NOC is valid Up to 3 years from the date of issue. The management shall apply for renewal of NOC at least 90 days prior to expiry of its validity.

K. Subash
16/6/24

Deputy Director
Groundwater and Water Audit Dept.
Nellore

FORM-6
(SEE RULE 13)

PERMISSION FOR USING/DIGGING OF FILTER POINTS FOR DRINKING AND OTHER PURPOSES.

M/s Adani Krishnapatnam Port limited, Krishnapatnam Village, Muthukuru Mandal, Nellore District, is permitted to use 598KLD of groundwater from eight newly recommended twin filter points (Hg-1, Hg-2, Hg-3, Hg-4, Hg-5, Hg-6, Hg-7 & Hg-8) in their premises for drinking/other purpose subject to the following conditions.

- 1) The well should not be used for drawing water for any other purpose other than applied for.
- 2) The withdrawal of water should be regulated; no wastage of water should be done.
- 3) The utilized water should be recycled as prescribed for recharging the Groundwater.
- 4) Structures should be constructed for harvesting rain water in the vicinity of the wells.
- 5) The utilization of water will be subject to regulation from time to time based on the extraction water from the well.
- 6) Care should be taken not to pollute the surrounding areas.

K. Subramanian (6/2/23)

DEPUTY DIRECTOR
GROUNDWATER & WATER AUDIT DEPT
NELLORE

The Map showing M/s Adani Krishnapatnam Port Limited, Krishnapatnam (V), Muthukuram (M), SPSR Nellore (DT)



Additional Secretary to Government
Public Works & Investment Dept.
A.P. Secretariat, Hyderabad - 500 022.
G.O. Ms. No: 11
Dt: 19-4-2016

Legend:-

Port Boundary
Berths
Roads
Railway Lines
Canyons
Storage Areas
Pipe Lines
Crude Oil Pipe Line
Service Corridor
Bridges / Culverts
Green Belt
Mangroves Estuary

Note:
Dredged depths are in Meters relative to Chart Datum.

Area	Depth (m)
ADANI KRISHNAPATNAM PORT COMPANY LIMITED	10.0
Port No. 10, Road No. 10, Nellore	10.0
Reservatory - 100 MTS. 1000	10.0
RESERVATORY (100 MTS. 1000)	10.0
MASTERS PLACE	10.0
AP 1000	10.0

Index:

© Hg 1, 2, 3, 4, 5, 6, 7 & 8 :- Newly recommended twin filterpoint wells for domestic & green belt development purpose.
*:- P2 1 & 2 :- Newly Recommended filterpoint wells for piezometers.

**GOVERNMENT OF ANDHRA PRADESH
WATER RESOURCES DEPARTMENT**

From
Sri P.M. Khan, B.E.,
Executive Engineer (FAC),
Drainage Division,
Nellore .

To
The Director & CEO.,
M/s Adani Krishnapatnam Port Ltd.,
Krishnapatnam Post Box - No.1,
Muthukur mandal,
SPSR Nellore District.

Letter No:EE/DB/TO/Nakkala Kalava/ 329^M Dated: 16-10-2023.

Gentleman,

Sub:- Revised rates agreement - Drawal of 4.9 cusecs of water from Nakkala kalava by Adani Krishnapatnam Port Limited - supplemental Agreement accepted - Regarding.

- Ref:- 1) G.O. Ms.No.39, I&CAD (PWGC& IWS) Dept, date: 02-04-2002.
2) Agt No.01 DN Lease/2010-11, dated: 28-07-2010.
3) G.O.Rt.No.202, Industries & Commerce (INF) Dept., date: 6-12-2014.
4) G.O.Ms.No.1, Industries & Commerce (P&I) Dept., date: 12-01-2022.
5) Letter No.ENC (I) EE/DEE/AEE2/WS/Certain clarification related to G.O.Ms. No.1, date: 18-10-2022 vide SE/IC/NLR Endt No.551gl, date: 09-11-2022.
6) SE/IC/Nellore/DEE2/(1) AEE-1/Royalty charges 241gl, date: 14-07-2023.
7) This office Letter No.EE/DB/TO/ Nakkalakaluva 184M, date: 14-08-2023.
8) Adani Krishnapatnam port Limited dated: 24-08-2023.

The revised rate of agreement for " Drawal of 4.9 cusecs of water from Nakkala Kalava drain is accepted in your favour and Registered as Divisional supplemental Agreement No. 01 /2023-24.

A copy of the supplemental agreement is here with enclosed. You are requested to contact the Deputy Executive Engineer, Drainage Sub Division No.1, Nellore who is the authorized representative at all times at site of work.

Encl:- Copy of Agreement.

Yours Sincerely,

[Signature]
16/10/2023
Executive Engineer,
Drainage Division, Nellore.

12/10/2023



INDIA NON JUDICIAL

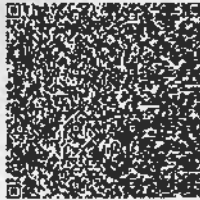


Government of Andhra Pradesh

IN-AP27270750489761V

e-Stamp

Certificate No. : IN-AP27270750489761V
Certificate Issued Date : 13-Sep-2023 01:33 PM
Account Reference : NEWIMPACC (SV)/ ap18063304/ AP-NLR/ AP-MTK/apkasshu
DDO Code : 27002308001 O/o IG R
Unique Doc. Reference : SUBIN-APAP1806330444790895951923V
Purchased by : SATEESH GANGA
Description of Document : Article 6 Agreement
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : ADANI KRISHNAPATNAM PORT LTD
Second Party : Not Applicable
Paid By : ADANI KRISHNAPATNAM PORT LTD
Stamp Duty Amount(Rs.) : 100
(One Hundred only)



₹100



Please write or type below this line

This Original Agreement No.1 /2010-11, dated 28-07-2010
("Supplemental Agreement") is made on this 16th day of October - 2023

Between his excellency the Governor of Andhra Pradesh represented by the Executive Engineer, Water Resources Department, Drainage Division, Nellore herein after called the "Government." As one part

And

ADANI KRISHNAPATNAM PORT LTD a company incorporated under the provisions of the Companies Act, 1956 or 2013 having its site office P.O Bag No.01, Muthukur Mandal, SPSR Nellore District, Andhra Pradesh 524344 and its Registered Office at Adani Corporate House, Shanti gram, Near Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India (Hereinafter referred to as the "Company" or "AKPL") of the other part

Supplemental agreement No. /2023-24, dt :/10/2023

For Adani Krishnapatnam Port Limited

Managing Director

Executive Engineer,
Drainage Division, Nellore.

0015581087

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.eilestamp.com' or any other website as available on the website of the Government of Andhra Pradesh.
2. The onus of checking the legitimacy is on the users of the certificate.

Recitals:

- A. **Whereas** the Company has applied to the Government for License to draw 4.9 cusecs (17640 cft drain water per hour) for 8 hrs. in a day for a period every year from Nakkala Kaluva Drain. The Government agreed to grant License and the Company has agreed to accept the license for the terms and conditions set forth therein and executed the same through an Agreement No.1 Lease /2010-11 dated 28-07-2010 (Herein after referred as "Original Agreement")
- B. **Where as** the company has paid an amount of Rs 1,19,070/- (Rupees One Lakh Nineteen Thousand Seventy Only) Vide DD. No,202979 dated 24-07-2010 at State Bank of India Krishnapatnam Port Branch SPSR Nellore District in favor of Assistant Pay & Accounts Officer, Somasila Project, Nellore as and for security for fulfillment and observance of the conditions, covenants and stipulations in these presents of the Original Agreement.
- C. **Where as** it has been agreed between the Company and the Government that the Original Agreement is required to be amended to incorporate the revised Clauses of Preamble, Water Charges by executing this Supplemental Agreement (herein after referred as "Original Agreement").
- D. **Where as** the Company has paid an amount Rs 3,17,520/- (Rupees Three lakhs Seventeen thousand Five Hundred and twenty Only) Vide challan. No: 71269405462023 dated 04.09.2023 for difference of three months initial advance security for fulfillment and observance of the conditions, covenants and stipulations in these presents in order to renew the agreement with the amendments set forth here under.

NOW IT IS HEREBY AGREED AND DECLARED BY THE PARTIES TO THE SUPPLEMENT AGREEMENT AS FOLLOWS:

1. The Preamble of the Original Agreement is amended and now be read as below:

"ADANI KRISHNAPATNAM PORT LTD a company incorporated under the Provisions of the Companies Act 1956/2013 having its site office P.O Bag No.01, Muthukur Mandal, SPSR Nellore District, Andhra Pradesh 524344 and its Registered Office at Adani Corporate House, Shanti gram, Near Vaishno Devi Circle, S.G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India (Hereinafter referred to as the "Company" or "AKPL") which expression shall, unless repugnant to the context or meaning thereof, be deemed to mean and include its successors and assigns). of the one part and:

For Adani Krishnapatnam Port Limited


Managing Director


16/10/2023
Executive Engineer,
Drainage Division, Nellore.

2. The following clause 4 of the Original Agreement is amended and now be read as follows:

"4: The Company Shall pay Water charges at Rs 5.50 per 1000 Gallons in terms of G.O.Ms. No. 202 Industries & Commerce (INF) Dept dated 06-12-2014 or at any other rate fixed by the Government from time to time payable every month as agreed with the supplier. This rate is subject to revision by the Government from time to time."

3. As G.O.Rt. No.1, Industries & Commerce (INF) Dept., date: 12-01-2022 is kept under abeyance temporarily present rate applicable is Rs. 5.50/1000 gallons only. In the event of modification of rate in future by the Government due to final verdict in the court or otherwise, subject to applicability of Government order to AKPL for consumption of Nakkala kalava drain water, AKPL shall pay new rates applicable and from the effective date as mentioned in Government Order.

4. Miscellaneous:

- I. The Company and the Government hereby agree that this supplemental Agreement is **amalgamated** with Original Agreement and be constituted as a Complete Original Agreement.
- II. The provisions of this Supplemental Agreement shall modify the terms and conditions set forth in the Original Agreement to the limited extent only as set out in the Supplemental Agreement. Except as specifically and expressly provided under this Supplemental Agreement, all other provisions of the Original Agreement shall remain unchanged and in full force and effect and shall continue to remain applicable and binding on Parties thereto and hereto. Any reference to the Original Agreement in any other agreement or document shall be deemed to mean a reference to the Original Agreement as amended by this Amendment Agreement.
- III. In the event of any conflict or inconsistency between the Original Agreement and this Supplemental Agreement in respect of provisions set out herein, the provisions of this Supplemental Agreement shall prevail over Original Agreement.
- IV. This Supplemental Agreement shall be deemed co-terminus with the Original Agreement and shall terminate automatically upon the termination of the Original Agreement without any further actions from the Parties.

In witness whereof the parties have duly executed this Supplemental Agreement to the Original Agreement hereunto set their hands and seal on the day and year above mentioned.

For Adam Krishnapatnam Port Limited

Managing Director


16/10/2023
Executive Engineer,
Drainage Division, Nellore.



INDIA NON JUDICIAL

Government of Andhra Pradesh

IN-AP33811821463438V

e-Stamp

Certificate No. : IN-AP33811821463438V
 Certificate Issued Date : 16-Oct-2023 03:35 PM
 Account Reference : NEWIMPACC (SV)/ ap18063304/ AP-NLR&AP-MTK/apkassilu
 DDO Code : 27002308001 O/o IG R
 Unique Doc. Reference : SUBIN-APAP1806330457716150174739V
 Purchased by : SATEESH GANGA
 Description of Document : Article 6 Agreement
 Property Description : Not Applicable
 Consideration Price (Rs.) : 0
 (Zero)
 First Party : ADANI KRISHNAPATNAM PORT LTD
 Second Party : Not Applicable
 Paid By : ADANI KRISHNAPATNAM PORT LTD
 Stamp Duty Amount(Rs.) : 100
 (One Hundred only)



₹100



Please write or type below this line

H.T. AGREEMENT

Agreement executed this 07th day of October 2023 by
 M/s Adani Krishnapatnam Port Ltd, (AKPL) at Krishnapatnam Port, Muthukur Mandal
 SPSR Nellore District for themselves/himself/itself and for their/his/its/hers, assigns and
 successions in favor of

The Southern Power Distribution Company, a statutory corporation constituted under
 Section 23 of the AP Electricity Reform Act 1998 henceforth referred to as the "Company".

Recitals:

- A. WHEREAS CGM (O&M), APSPDCL Tirupati has approved through Memo No:
 CGM/O&M/GM/EE/C/F. e-76988/D. No. 2626/23 dated 05/10/2023 for the release of
 balance 2000KVA out of 6000KVA in phase IV to the existing CMD of AKPL.
- B. WHEREAS AKPL has paid an amount of Rs 60,00,000/- to the APSPDCL towards the
 security deposit for the enhancement of CMD @ 6000KVA (4000 KVA+2000KVA)
 in Phase-IV.

1. SUPPLY OF POWER:

I/We the above mentioned have requested the Company to supply Electricity at High
 Tension for the purpose of **Port Shipping Operations** under Category III Cat-II

VOID VOID

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shilestamp.com' or using e-Stamp Mobile App or Stock Holding.
 Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
 2. The onus of checking the legitimacy is on the users of the certificate.
 * In case of any discrepancy please inform the Competent Authority.

HT Cat-II (A)1 and the Company has agreed to afford such supply on the General terms and conditions notified by them from time to time under Section 21 of the License Distribution and Retail Supply License Conditions and those hereinafter mentioned.

2. LOAD/MAXIMUM DEMAND:

I/We agree to take from the Company, Electric Power for a **CMD of 41000 KVA in phased manner of Phase IV 2000 KVA to the Existing CMD of 17000 KVA totaling to a CMD of 19000 KVA (Phase-V 22000KVA as per the request to company) under PIT CAT-II** for our exclusive use for the purposes above mentioned, at our **Port premises situated in Krishnapatnam Village, Muthukur Mandal.** I/We shall not affect any change in the Contracted demand without prior intimation to the company.

3. RE-SALE OF ELECTRIC POWER:

I/We undertake that; I/We shall not sell electrical energy obtained under this agreement without the sanction in writing of the Company.

4. OBLIGATION TO COMPLY WITH REQUIREMENT OF ACTS, AND TERMS AND CONDITIONS OF SUPPLY:

I/We further undertake to comply with all the requirements of the Indian Electricity Act, 2003, the Rules and Regulations framed there under, provisions of the tariffs, scale of Miscellaneous and General charges and the terms and conditions of supply prescribed by the Company without Approval of the AP Electricity Regulatory Commission herein after called as Commission from time to time and agree not to dispute the same.

5. DATE OF COMING INTO FORCE OF THE AGREEMENT:

I/We shall begin/take electrical energy from the Company under the conditions of this Agreement within three months from the date of issue of intimation in writing to me/us by the Authorized officer of the Company that supply of electrical energy is available. The provisions of this agreement shall be deemed to come into force from the date of commencement of supply of energy or the date of expiry of three months' notice above referred to, whichever is earlier.

6. PERIOD OF AGREEMENT:

I/We undertake to avail ourselves of supply for a minimum period of 4 years from the date this agreement comes into force.



7. **DETERMINATION OF THE AGREEMENT:**

I/We shall be at liberty to determine the Agreement by giving in writing three months expressing such intention at any time after the period of two years. If for any reason, I/We choose the three months to derate/terminate the Agreement before the expiry of the three months' notice period or expiry of the initial two-year period whichever is later. I/We agree that the company may terminate this Agreement at any time giving three months' notice if, I/We violate the terms of this agreement or the General terms and conditions of supply notified by the Company with the Approval of the Commission from time to time or the provisions of any law touching this agreement including the Electricity Act, 2003, the Rules and Regulations framed there under. This agreement shall remain in force until it is terminated as indicated above. In computing the periods of 2 years referred to above the period or periods for which the annual minimum guarantee has or have been waived or reduced shall be excluded.

8. **OBLIGATION OF CONSUMER TO PAY ALL CHARGES LEVIED BY COMPANY:**

From the date of this agreement comes into force. I/We shall be bound by and shall pay the Company maximum demand charges, Energy charges, surcharges, meter rents and other charges, if any in accordance with the tariffs applicable and the General terms and conditions of supply prescribed by the Company from time to time for the particular class of consumers to which I/We belong.

9. **COMPANY'S RIGHT TO VARY TERMS OF AGREEMENT:**

I/We agree that the Company shall have the unilateral right to vary, from time to time, tariffs, scale of general and miscellaneous charges and the General terms and conditions of supply under this agreement by special or general proceedings. In particular, the Board shall have the right to enhance the rates chargeable for supply of electricity according to exigencies.

10. **MONTHLY MINIMUM CHARGES:**

I/We shall pay minimum charges every month as prescribed in tariff, and General terms and conditions of supply even if no electricity is consumed for any reason whatsoever and also if the charges for electricity actually consumed are less than the minimum charges. The minimum charges shall also be payable by me/us

Nogem



even if electricity is not consumed because supply has been disconnected by the Company because of non-payment of electricity charges, Theft of Electricity or Unauthorized use of electricity or for any other valid reason.

11. SPECIAL ANNUAL MINIMUM GUARANTEE:

In consideration of the Company making arrangements for supplying electrical energy to me/us, I/We agree with effect from the date of commencement of this agreement for the period of two years to guarantee a minimum payment of Rs. 20,00,00,000/- (Rupees Twenty Crores only) every year towards demand and energy charges only, exclusive of payments towards surcharge, or other payments by whatever name they be called. If the amounts actually paid towards demand and energy charges during any year fall short of the guaranteed minimum, the amount of deficit shall be deemed to be an arrears of electricity charges and recovered accordingly.

12. I/We hereby agree that if I/We am/are found including in theft of energy or Unauthorized use of electricity in respect of use of electrical energy, I/We shall pay additional charges as may be levied by the Company. I/We also agree that in such an event the Company shall in addition to the levy of the additional charge have the right to disconnect the supply of electricity to my/our premises for such period as may be decided by the Company.

13. I/We requested the Company to provide the meter for measuring the electricity supplied to me and the Company has agreed for the same. Accordingly, I/We agree to pay the monthly meter rentals, as may be fixed by the Commission from time to time.

14. I/We requested the company to release the Phased Manner (Phase IV-2000 KVA to the Existing CMD of 17000 KVA totaling to a CMD of 19000 KVA) and the balance 22000KVA may be released in a Phased Manner.


Executive Engineer
Operation : APSPDCL
Nellore Rural



Phase Manner	Maximum Demands (KVA)	Cumulative Maximum Demands (KVA)	Power Supply Required from
Phase-I	5000	5000	Released on 24.07.2012
Phase-II	4000	9000	Released on 24.04.2015
Phase-III	4000	13000	Released on 15.10.2018
Phase-IV	4000	17000	Released on 11-04-2023
Phase -IV	2000	19000	Released on 07-10-2023
Phase-V	22000	41000	As per the request to the Company

SIGNATURE: *Nogel*

Date 07/10/2023.



Signed by the applicant in my presence.

Witness I

Signature *[Signature]*

Name & Address H. Manoj Verma, Hanuattapuram, Nellore.

Date: 07/10/2023.

Witness II

Signature *[Signature]*

Name and Address Lakshmane Rao, DL Puram, Nellore.

Date: 07/10/2023.

[Signature]
Executive Engineer
Operation : APSP
Nellore Rural
Page 5 of 5

adani

Ports and
Logistics

Annexure 11

Ref: AKPL/EHS/APPCB/79/2025-26

Date: 22/10/2025

To

The Environmental Engineer,
A.P. Pollution Control Board
Regional Office
SPSR Nellore.



Dear Sir,

Sub: AKPL – Submission of Monthly Environmental Marine & Terrestrial Monitoring Reports and Water Consumption details for the Month of September'25 – Reg.

Ref: CFO & HWA order no APPCB/VJA/NLR/11344/CFO/HO/2019 dated 11.11.2022 valid up to 31.08.2027

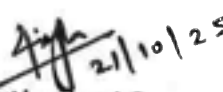
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With reference to the above, we are herewith submitting the monthly Environmental Marine & Terrestrial monitoring reports along with Water Consumption details for the month of September -2025.

Thanking you,

Yours sincerely,

For **Adani Krishnapatnam Port Limited.,**


(Authorized Signatory)

Encl. a/a

Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

Tel +91 861 237 7999
Fax +91 861 237 7046
info@adani.com
www.adaniports.com

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

**MONITORING OF BASELINE
ENVIRONMENTAL PARAMETERS**
(CONSOLIDATED REPORT FOR PERIOD OF April'25 – Sep'25)

FOR



M/s. ADANI KRISHNAPATNAM PORT LIMITED.

Krishnapatnam Post, Muthukur Mandal,
SPSR Nellore District, Andhra Pradesh – 524 344

Prepared By

M/s. SV ENVIRO LABS & RESEARCH PRIVATE LIMITED

(MOEF Recognized, NABL & NABET Accredited And
ISO 9001, 14001 & OSHAS 18001 Certified Laboratory)

Enviro House, B1, Block-B, Autonagar, Visakhapatnam -12

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CHAPTER – 1

INTRODUCTION

1.0 **INTRODUCTION**

Adani Krishnapatnam Port is located in Krishnapatnam Village, Muthukur Mandal, Sri Potti Sri Ramulu Nellore, Nellore District of Andhra Pradesh on the East Coast of India at about 170 km north of Chennai Port. The latitude and longitude of the Krishnapatnam port location are 14° 15' 10" N and 80° 08' 05" E. The location of the port is shown in **Figure-1**.

Adani Krishnapatnam Port is connected to the National Highway No.16 (Chennai to Kolkata) through a dedicated 23 km long Port Road Connectivity. A dedicated 25 km long electrified Port rail Connectivity is also formed from Venkatachalam on the National Rail grid.

Presently Phase –III Development work as per the Environmental Clearance and CFE accorded by the MOEF and APPCB respectively as well as cargo handling operations as per the CFO accorded by the APPCB are in progress at the Adani Krishnapatnam Port. The layout of Adani Krishnapatnam Port is shown in **Figure-2**.

1.1 **PREAMBLE**

The periodic sampling of environmental parameters at Krishnapatnam port is being carried out, as per EMP, by M/s. SV ENVIRO LABS & RESEARCH PRIVATE LIMITED, Visakhapatnam to ensure compliance of various environmental parameters to the respective standards / base line as the case may be as well as ascertain the impact of the port construction and operations on the environment in order to review the Environmental Management Plan being implemented at the port. A site laboratory has also been established by M/s. SV ENVIRO LABS & RESEARCH PRIVATE LIMITED in the premises of Environmental Division of Adani Krishnapatnam port.

Status of the following Environmental attributes is being monitored:

- 1 Ambient Air Quality;
- 2 Ambient Noise Levels;
- 3 Marine Water Quality;
- 4 Turbidity in Marine Water in the Harbour and at Deep Sea;
- 5 Marine Sediment Quality
- 6 Ground Water Quality;
- 7 Surface Water Quality and
- 8 Soil Quality

The results of monitoring of above-mentioned environmental attributes carried out at the Adani Krishnapatnam Port during the month of April'25-Sep'25 are submitted in this Six months Report. A Typical Activity of Krishnapatnam Port during Operational Phase- I & II from April'25 - September'25 are given in Table-1.1

Fig No 2 : ADANI KRISHNAPATNAM PORT LAYOUT



CHAPTER – 2

SCOPE OF WORK

2.0 SCOPE OF WORK

The scope of the baseline studies include monitoring of the following environmental components

1. Ambient Air Quality
2. Marine Water
3. Marine Sediment
4. Noise Level Intensity
5. STP Inlet & Outlet
6. DG Set Emission Quality
7. Ground Water Quality Monitoring
8. Soil Quality

The parameters covered under the scope for each of the above attributes are given below:

SCOPE OF WORK

S.No	Attribute	Scope	Frequency
1.	Ambient Air Quality	Sampling of ambient air at 07 stations for analyzing the following parameters: • PM10 • PM2.5 • SO2 • NOx • NH₃	Monthly Once at each location
2.	Marine Water	Collected at four locations and analyzed the following parameters : • pH • Temperature • Salinity • Density • Turbidity • Total Dissolved solids • Total Suspended solids • Potassium • COD • BOD • Oil & Grease • D.O • Nitrates • Nitrites • Ammonia • Phosphates • Chlorides • Sodium • Sulphates • Silicates	Weekly Once at each location

		• Reactive Silica • Total Phosphorus • Total Nitrogen • Primary Productivity • Chlorophyll • Phytoplankton • Zooplankton • Heavy Metals	
3.	Marine Sediment	Collected at four locations and analyzed for • Sediment Compositions • pH • Nitrogen • Phosphorus • Potassium • Sodium • Benthos Communities • Heavy Metals	Weekly Once at each location
4.	Noise Level Monitoring	Collected at seven locations • Day Leq in dB(A) • Night Leq in dB(A)	Once in a month
5.	STP Inlet and Outlet	• pH • Total Solids • Total Suspended Solids • COD • BOD • Oil & Grease	Once in a month
6.	DG Set Emission Quality	• PM • NOx • HC • CO	Once in six months
7.	Ground Water Quality Monitoring	Collected at Four locations • pH • Electrical Conductivity • Total Dissolved solids • Total alkalinity • Chlorides • Sodium • Potassium • Fluorides • Nitrates • Cyanide • Total Hardness	Once in six months

		• Salinity • Sulphates • COD • Mercury • Cadmium • Arsenic • Selenium • Iron • Lead • Zink • Chromium • Total Coliforms • Fecal coliforms	
8.	Soil Quality Monitoring	Collected at Four locations • pH • EC • Texture • Available Nitrogen • Available Phosphorous • Available Potassium • Exchangeable Sodium • Exchangeable calcium • Exchangeable Magnesium • SAR • Water Soluble Chlorides • Organic Carbon • Lead • Cadmium • Copper • Zinc	Once in six months

CHAPTER – 3

METHODOLOGY

3.0 METHODOLOGY

Methodologies adopted for sampling and analysis for each of the above parameters are detailed below. Methods of monitoring and analysis for various parameters

S.No	Attributes	Measurement Technique		
1.	Ambient Air Quality	PM ₁₀	Respirable Dust Sampler (Gravimetric method)	IS-5182 (Part-XXIII)
		PM _{2.5}	Fine Particulate Sampler (Gravimetric method)	IS-5182 (Part-XXIV)
		Sulphur dioxide	Modified West and Gaeke	IS-5182 (Part-II)
		Oxides of Nitrogen	Jacob & Hochheiser	IS-5182 (Part-VI)
		NH ₃	Indophenol Blue Method	-
2.	Marine Water	APHA Methods 24 th Edition, 2023		
3.	Marine Sediment	ASTM Method		
4.	STP Inlet and Outlet	APHA Methods 24 th Edition, 2023		
5.	Noise Level Intensity	Digital Noise Level Meter – SL Lutron 4001		
6.	DG Set Emission Quality	IS : 11255 Measurement of Emission from Stationary Sources		
7.	Ground Water Quality	APHA Methods 24 th Edition, 2023		
8.	Soil Quality	IS:2720 & methods of soil analysis, part-1, 2 nd edition, 1986 (American Society for Agronomy and Soil Science Society of America).		

CHAPTER – 4

ENVIRONMENTAL MONITORING STUDIES

4.0 ENVIRONMENTAL MONITORING STUDIES – April'25 to September'25

S.No	ATTRIBUTE	SCOPE	STUDIES CARRIED OUT
1.	Ambient Air Quality	Collection of ambient air at Seven locations in and outside of port premises	Ambient Air samples collected at 7 locations for PM10, PM2.5, SO2, NOx & NH3 (monthly once) for the period of 01.04.2025 to 30.09.2025.
2.	Marine Water and Surface Water Quality	Collection of Marine Water at six locations. • Port Entrance (Approach Channel) • Turning Circle • Coal Berth • Reclamation Area (Mutable) • Buckingham Canal • Khandaleru Creek	Marine Water samples from Port Entrance, Turning Circle, Coal Berth and Reclamation Area are collection weekly once. Samples for Buckingham Canal and Khandaleru Creek are collected monthly once. All the samples are tested for Physical, Chemical and Microbiological parameters Collected for the period of 01.04.2025 to 30.09.2025.
3.	Marine Water Quality for Turbidity	Collection of Marine Water at seven locations. • Port Entrance (Approach Channel) • Turning Circle • Coal Berth • Reclamation Area (Mutable) • 14°19'26"N & 80°15'43"E • 14°16'52"N & 80°17'40"E	Marine Water samples from Port Entrance, Turning Circle, Coal Berth and Reclamation Area are collection weekly once. Deep Sea water Samples are collected monthly once. Collected for the period of 01.04.2025 to 30.09.2025.

		• 14°16'11"N & 80°17'40"E	
4.	Marine Sediment	Collected at • Port Entrance (Approach Channel) • Turning Circle • Coal Berth • Reclamation Area (Mutable)	Collected at four locations and analyzed for the hereunder weekly once. • Sediment Compositions • pH • Nitrogen • Phosphorus • Potassium • Sodium • Benthos Communities • Heavy Metals Collected for the period of 01.04.2025 to 30.09.2025.
5.	Noise Level Intensity	Noise levels were noted at Seven locations inside and outside port premises.	Day and Night Noise levels were noted at • Zero Point • Thamminapatnam • CVR Building • Gopalpuram • Chalivendram • Krishnapatnam • Light House Siding Collected Noise Levels at seven locations for day and night periods once in the month from 01.04.2025 to 30.09.2025.

6.	STP Inlet and Outlet	Inlet and Outlet samples are collected from STP at Port	STP Inlet and Outlet samples are collected monthly once. Collected for the period of 01.04.2025 to 30.09.2025.
7.	DG Set Emission Quality	Emission Quality was conducted to DG Sets of port premises	Emission Quality was conducted to DG Sets of port premises, i.e. PM, NOx, HC & CO (Six months once) for the period of 01.09.2025 to 30.09.2025
8.	Ground Water Quality Monitoring	Collected at • Port Site • Krishnapatnam village • South side of the port • Gopalapuram village	Ground Water samples from Port site, Krishnapatnam village, South side of the port, Gopalapuram village Bore wells water samples are collected half yearly once. All the samples are tested for Physical, Chemical and Microbiological parameters Collected for the period of 01.09.2025 to 30.09.2025.
9.	Soil Quality	Collection of Soil sample at Two locations. • Storage area towards west Buckingham canal • Storage area at Port	Soil samples from Storage area towards west, Storage area at Port Area are collection half yearly once. All the samples are tested for Physical, Chemical parameters. Collected for the period of 01.09.2025 to 30.09.2025.

4.1 METEOROLOGICAL DATA

Meteorological data was collected on hourly basis by installing an auto weather monitoring station at Plant site. The report depicted hereunder represents the data for study period (01.04.2025 to 30.09.2025)

The following parameters were recorded

- Wind speed
- Wind direction
- Temperature
- Relative humidity
- Rainfall

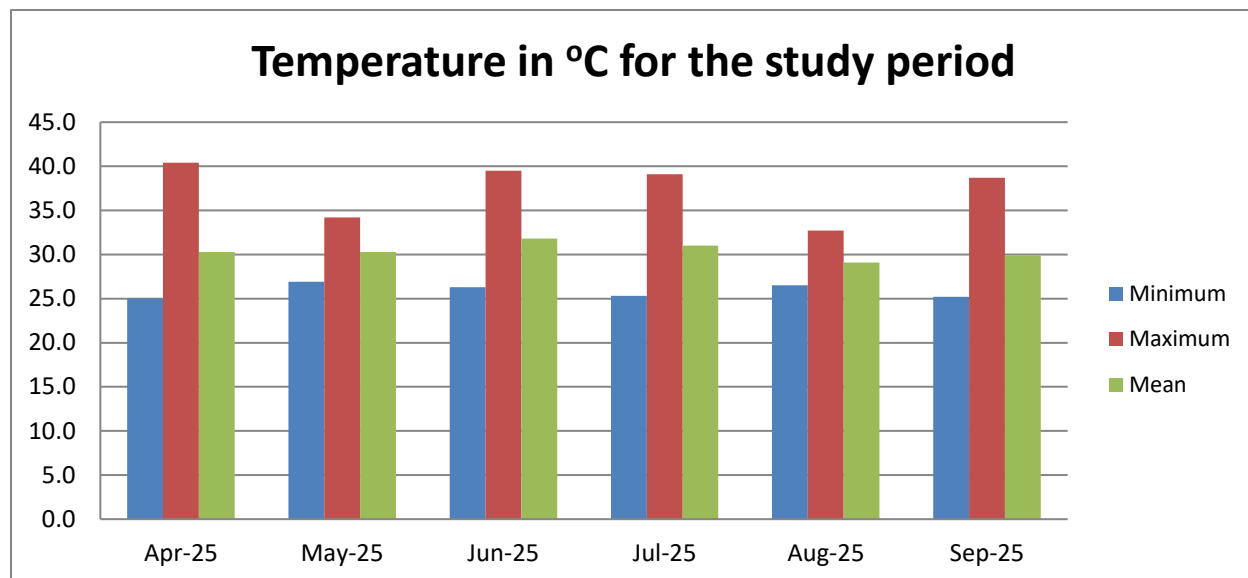
MINIMUM AND MAXIMUM VALUES OF RELATIVE HUMIDITY, TEMPERATURE AND RAINFALL DURING STUDY PERIOD (01.04.2025 to 30.09.2025.).

Temperature in °C	April'25	May'25	June'25	July'25	Aug'25	Sep'25
Minimum	25.0	26.9	26.3	25.3	26.5	25.2
Maximum	40.4	34.2	39.5	39.1	32.7	38.7
Mean	30.3	30.3	31.8	31.0	29.1	29.9

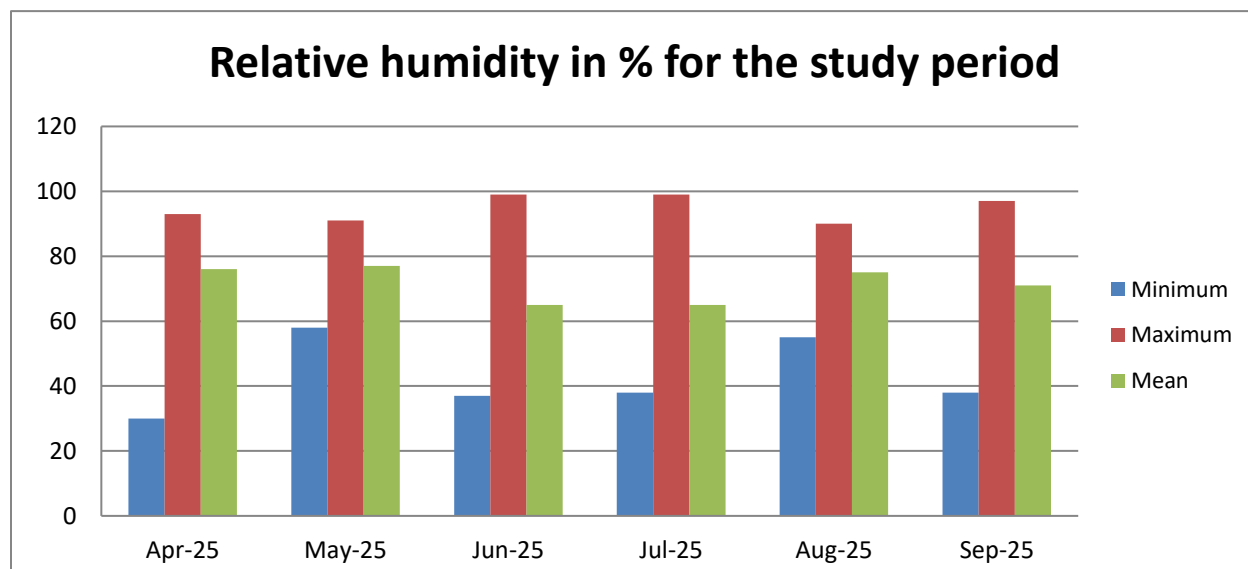
Relative Humidity %	April'25	May'25	June'25	July'25	Aug'25	Sep'25
Minimum	30	58	37	38	55	38
Maximum	93	91	99	99	90	97
Mean	76	77	65	65	75	71

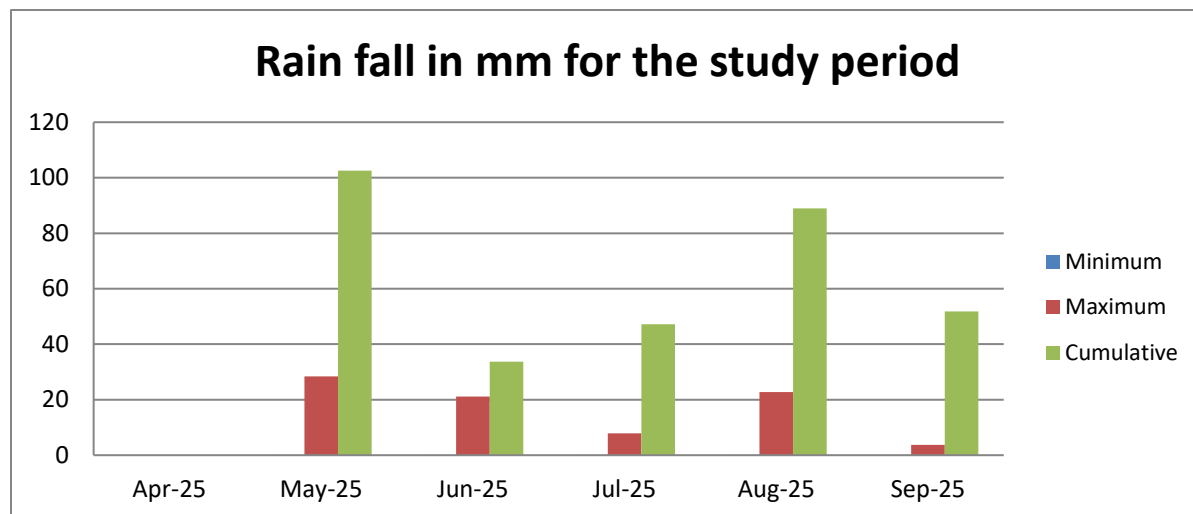
Rainfall in mm	April'25	May'25	June'25	July'25	Aug'25	Sep'25
Minimum	-	0.1	0.1	0.1	0.1	0.1
Maximum	-	28.4	21.1	7.9	22.7	3.7
Cumulative	-	102.5	33.7	47.2	88.9	51.8

Graphical interpretation of Minimum and Maximum values of and Temperature during study period.



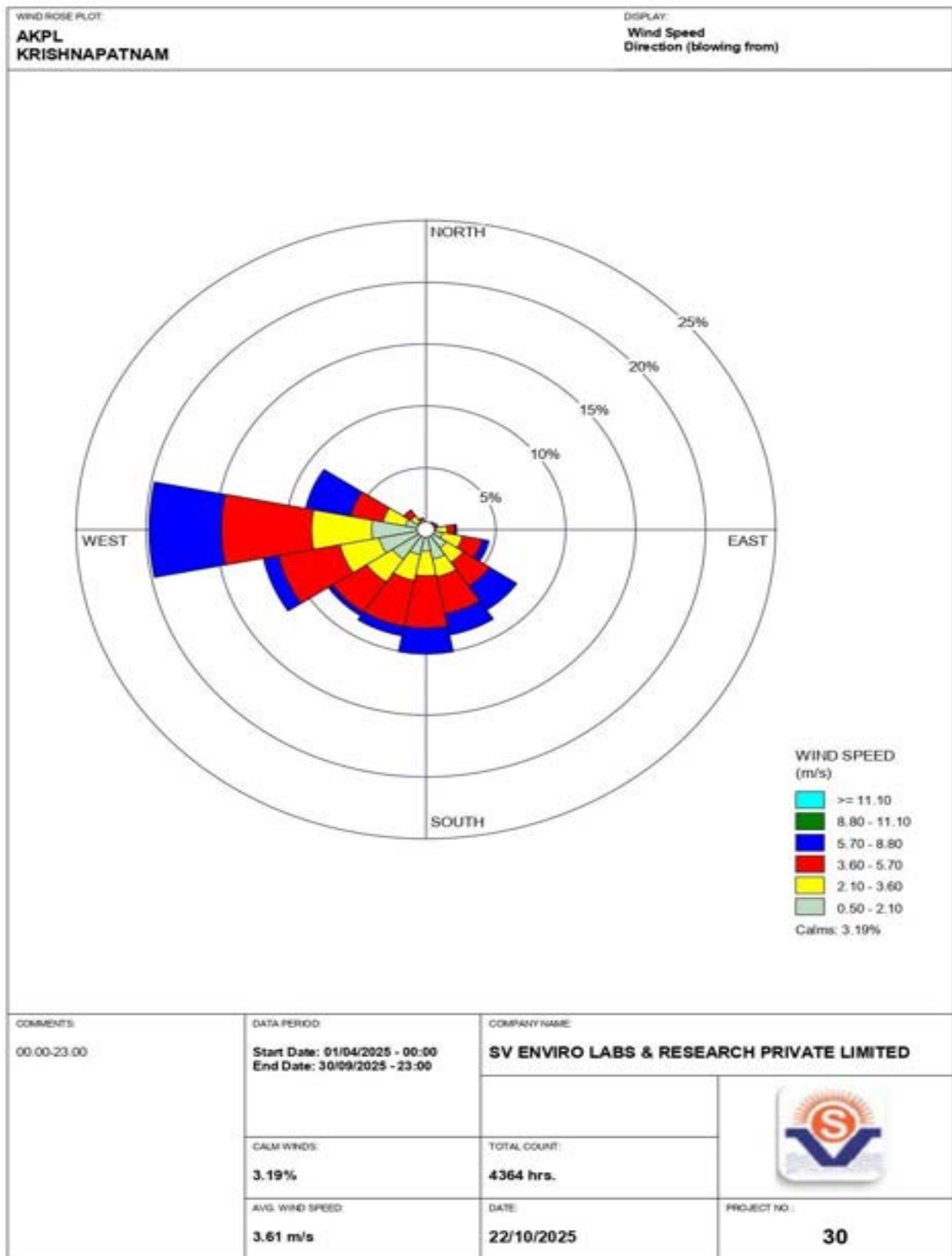
Graphical Interpretation of Minimum and Maximum values of Relative Humidity during study period.



Graphical Interpretation of Minimum and Maximum values of Rainfall during study period.**WIND PATTERN – (April'25 – Sep'25)**

Predominant Wind directions	Distribution in Percentage	Wind rose Enclosed as
W	22.3 %	
WSW	13.2%	
WNW	10.5%	
S	8.56%	

Fig-7. Wind rose diagram for 00.00 – 23.00 hrs (24hrly)



4.2 AMBIENT AIR QUALITY MONITORING

The ambient air quality was assessed through a network of 07 AAQM stations within 10 Km radius of project site (5 stations in buffer zone & 2 location inside plant area).

The locations of ambient air quality stations are shown in Fig – 4is given below:

Table No- 2

DETAILS OF AMBIENT AIR QUALITY MONITORING LOCATIONS

Station code	Location	Direction w.r.t. Project site	Environmental setting
A1	At Zero Point	W	Industrial
A2	At Thamminapatnam Village	S	Industrial
A3	At CVR Building	WNW	Residential
A4	At Gopalpuram Village	NW	Residential
A5	At Chalivendram	WNW	Residential
A6	At Krishnapatnam	NNW	Residential
A7	At Light House Colony	SW	Residential

Summary of Analysis of Ambient Air Quality in the Study Area at A1 –Zero Point for the period of April'25 – Sep'25.

	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	NH ₃ (µg/m ³)
April'25	66.7	27.4	12.8	14.5	BDL
May'25	70.2	29.8	14.1	15.9	BDL
June'25	67.6	28.1	13.3	14.7	BDL
July'25	64.2	25.9	12.1	13.5	BDL
Aug'25	61.6	23.8	11	12.7	BDL
Sep'25	65.3	26.1	12.6	14.2	BDL
NAAQS Standards	100	60	80	80	400

Summary of Analysis of Ambient Air Quality in the Study Area at A2 –Thamminapatnam for the period of April'25 – Sep'25.

	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	NH ₃ (µg/m ³)
April'25	59.2	25.0	11.5	13.4	BDL
May'25	63.4	27.2	12.8	14	BDL
June'25	60.2	24.7	11.9	13.3	BDL
July'25	57.5	23.2	13.5	12.1	BDL
Aug'25	53.8	21.6	9.9	11.3	BDL
Sep'25	56.7	23.8	11	12.6	BDL
NAAQS Standards	100	60	80	80	400

Summary of Analysis of Ambient Air Quality in the Study Area at A3 –CVR for the period of April'25 – Sep'25.

	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	NH ₃ (µg/m ³)
April'25	59.9	23.7	10.2	12.4	BDL
May'25	61.2	26.0	11.5	13.1	BDL
June'25	58.4	24.3	10.7	11.9	BDL
July'25	55.2	22.6	9.4	10.8	BDL
Aug'25	51.5	20.3	8.6	9.9	BDL
Sep'25	54.5	23.2	9.8	11.6	BDL
NAAQS Standards	100	60	80	80	400

Summary of Analysis of Ambient Air Quality in the Study Area at A4 –Gopalpuram for the period of April'25 – Sep'25.

	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	NH ₃ (µg/m ³)
April'25	54.7	23.5	10.4	11.6	BDL
May'25	58.6	25.3	11.2	12.9	BDL
June'25	55.9	23.1	10	11.3	BDL
July'25	52.3	21.8	9.4	10.2	BDL
Aug'25	48.7	19.4	8.6	9.1	BDL
Sep'25	51.2	22.1	9.9	10.7	BDL
NAAQS Standards	100	60	80	80	400

Summary of Analysis of Ambient Air Quality in the Study Area at A5 –Chalivendram for the period of April'25 – Sep'25.

	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	NH ₃ (µg/m ³)
April'25	53.1	21.9	11.2	12.0	BDL
May'25	57.3	23.8	12.7	13.5	BDL
June'25	54.8	22.1	11.6	12.7	BDL
July'25	51.4	20.9	10.2	11.8	BDL
Aug'25	47.6	18.1	9.3	10.7	BDL
Sep'25	50.8	21.3	10.6	12.1	BDL
NAAQS Standards	100	60	80	80	400

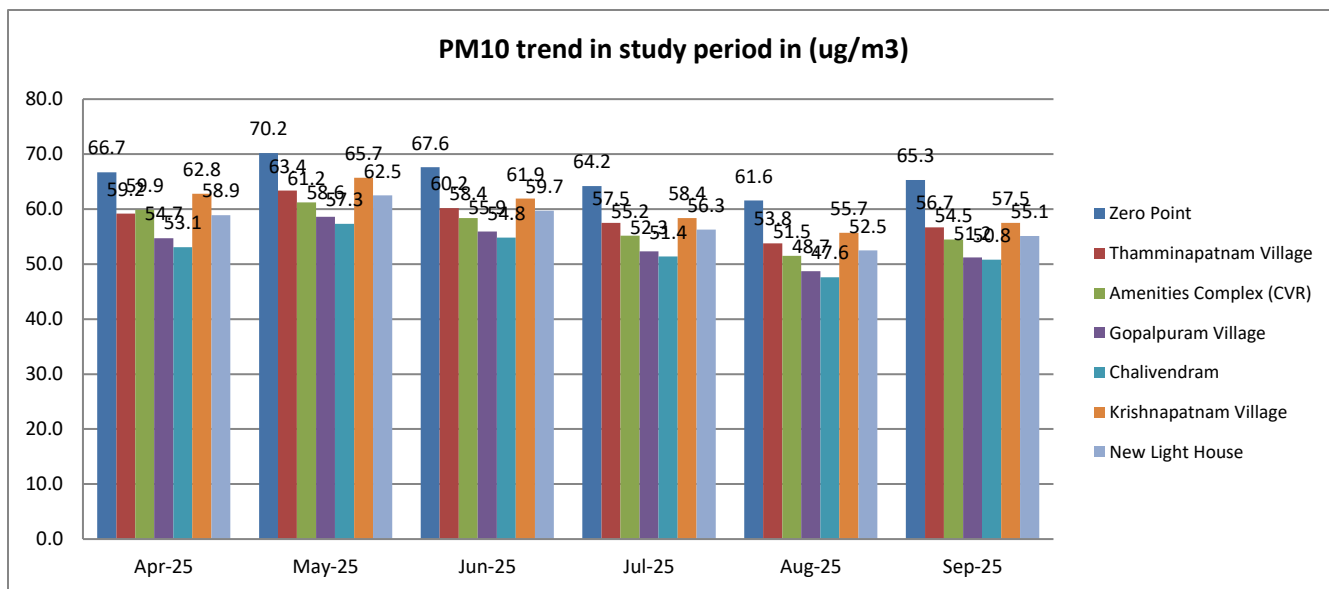
Summary of Analysis of Ambient Air Quality in the Study Area at A6 –Krishnapatnam for the period of April'25 – Sep'25.

	PM ₁₀ (µg/m ³)	PM _{2.5} (µg/m ³)	SO ₂ (µg/m ³)	NO _x (µg/m ³)	NH ₃ (µg/m ³)
April'25	62.8	25.3	11.2	13.0	BDL
May'25	65.7	27.1	13.0	14.5	BDL
June'25	61.9	25.6	12.1	13.3	BDL
July'25	58.4	23.8	11.3	12.0	BDL
Aug'25	55.7	21.5	10.2	11.3	BDL
Sep'25	57.5	23.9	12.4	13.1	BDL
NAAQS Standards	100	60	80	80	400

Summary of Analysis of Ambient Air Quality in the Study Area at A7 –Light House for the period of April'25 – Sep'25.

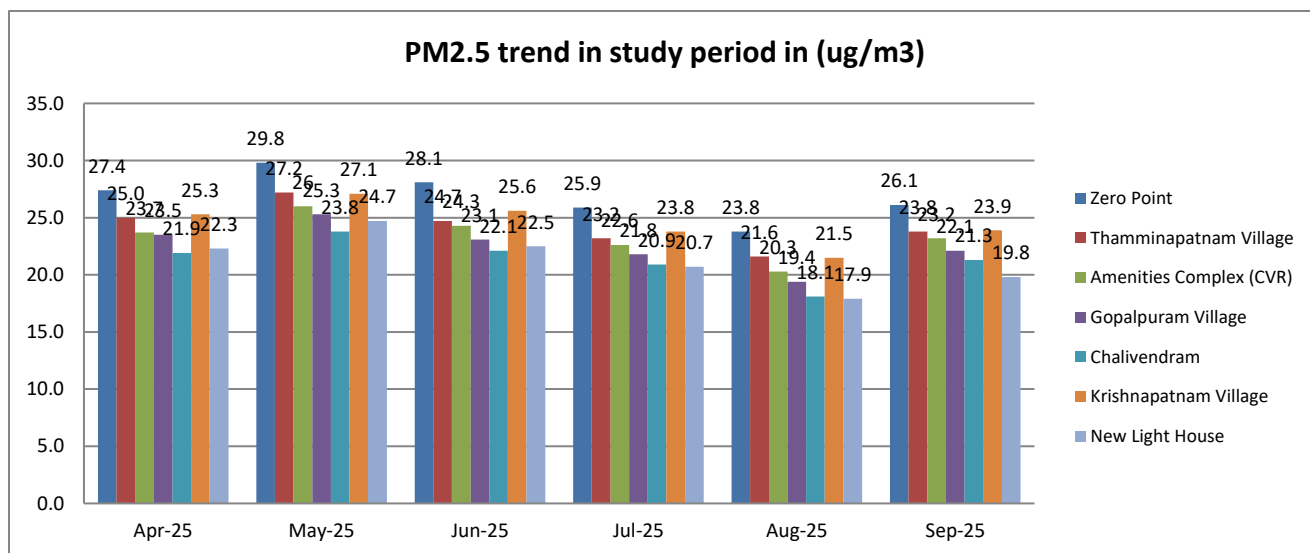
	PM₁₀ (µg/m³)	PM_{2.5} (µg/m³)	SO₂ (µg/m³)	NO_x (µg/m³)	NH₃ (µg/m³)
April'25	58.9	22.3	8.6	10.7	BDL
May'25	62.5	24.7	9.8	11.5	BDL
June'25	59.7	22.5	8.9	10.3	BDL
July'25	56.3	20.7	8.1	9.4	BDL
Aug'25	52.5	17.9	7.5	8.2	BDL
Sep'25	55.1	19.8	8.6	9.1	BDL
NAAQS Standards	100	60	80	80	400

Summary of Analysis of Ambient Air Quality in the Study Area – PM10 for April'25 – Sep'25.



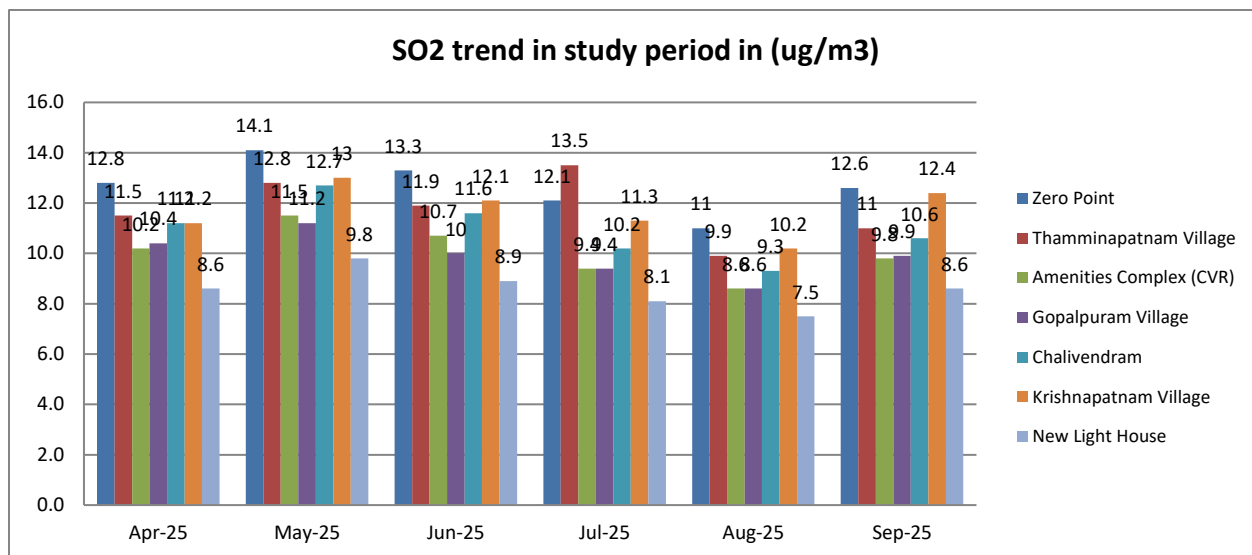
- ❖ *PM10 varied between 47.6 to 70.2 $\mu\text{g}/\text{m}^3$ Minimum: Chalivendram*
- ❖ *Maximum: Zero Point, NAAQ Standard: 100 $\mu\text{g}/\text{m}^3$*

Summary of Analysis of Ambient Air Quality in the Study Area – PM2.5 for April'25 – Sep'25.



- ❖ *PM_{2.5} Varied between 17.9 to 29.8 $\mu\text{g}/\text{m}^3$, Minimum: New light house*
- ❖ *Maximum ;Zero Point, NAAQ Standard : 60 $\mu\text{g}/\text{m}^3$*

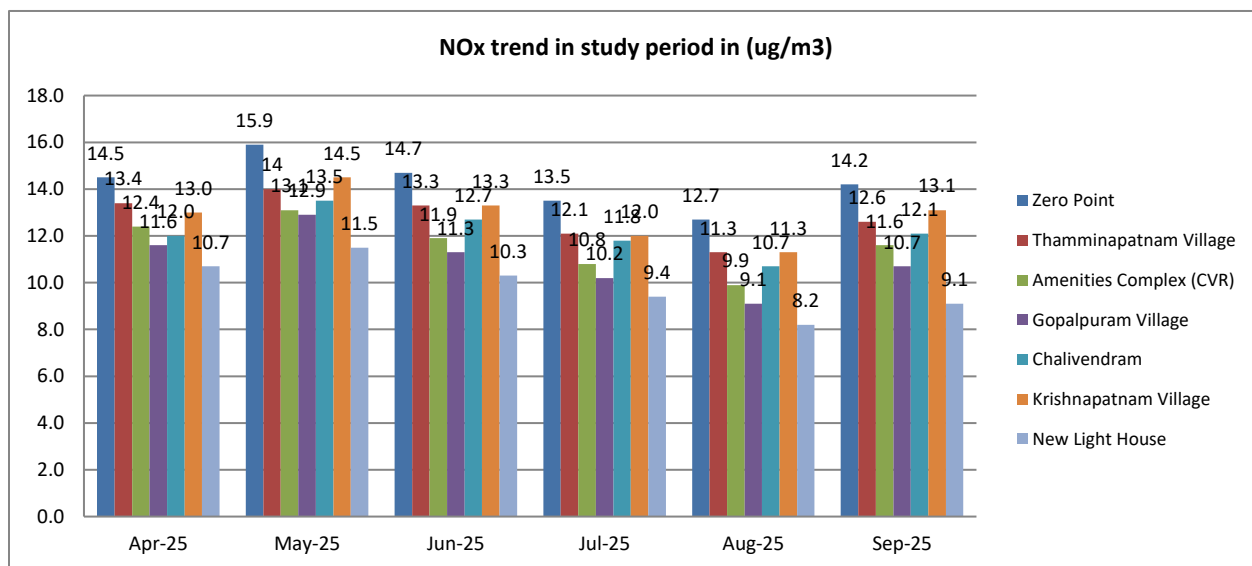
Summary of Analysis of Ambient Air Quality in the Study Area – SO₂ for April'25 – Sep'25.



❖ SO₂ Varied between 7.5 to 14.1 µg/m³, Minimum : New Light House

❖ Maximum : Zero Point, NAAQ Standard : 80 µg/m³

Summary of Analysis of Ambient Air Quality in the Study Area – NO_x for April'25 – Sep'25.



❖ NO_x Varied between 8.2 to 15.9 µg/m³, Minimum :New Light House

❖ Maximum :Zero Point , NAAQ Standards : 80 µg/m³

4.3 AMBIENT NOISE LEVEL INTENSITY

Collection of ambient noise levels at Seven locations (6 locations at nearby villages & 1 location near plant). Spot noise levels were measured with a precalibrated Noise Level Meter – SL Lutron 4001 for day and night periods.

Table No-3

DETAILS OF NOISE MONITORING LOCATIONS

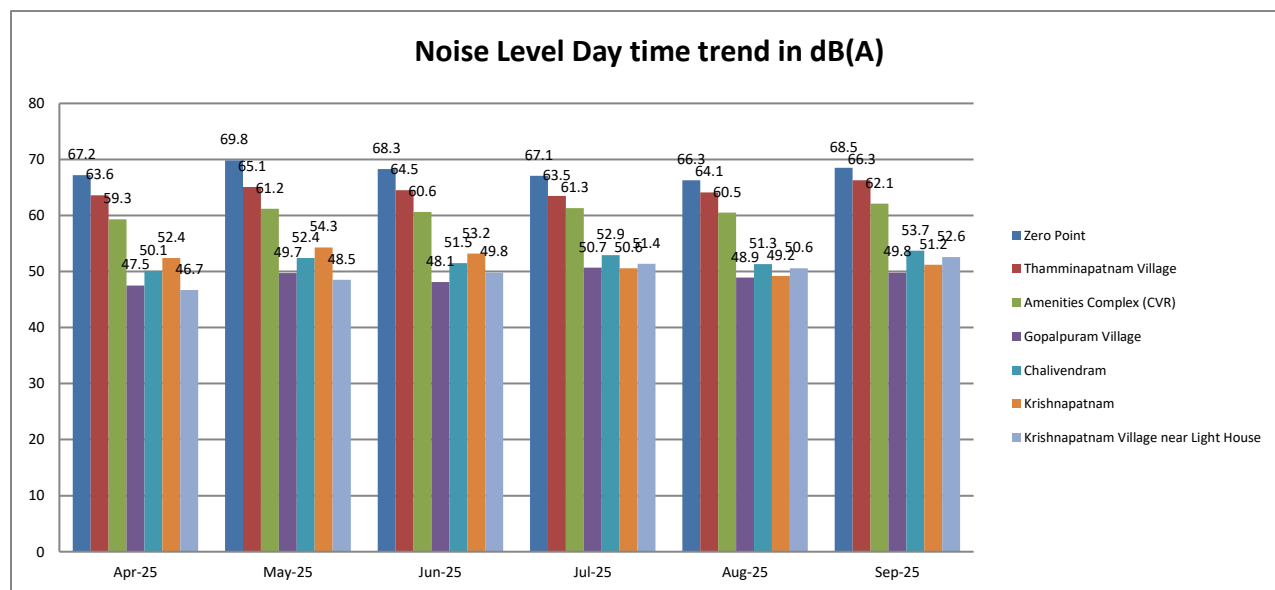
STATION CODE	LOCATIONS	DIRECTION w.r.t PROJECT SITE
N1	At Zero Point	W
N2	At Thamminapatnam Village	S
N3	At CVR Building	WNW
N4	At Gopalpuram Village	NW
N5	At Chalivendram	WNW
N6	At Krishnapatnam	NNW
N7	At Light House	SW

The noise monitoring locations are depicted in **Fig – 5**

The noise levels monitored during the study period are given hereunder in form of Leq day, Leq night compared with CPCB Standards.

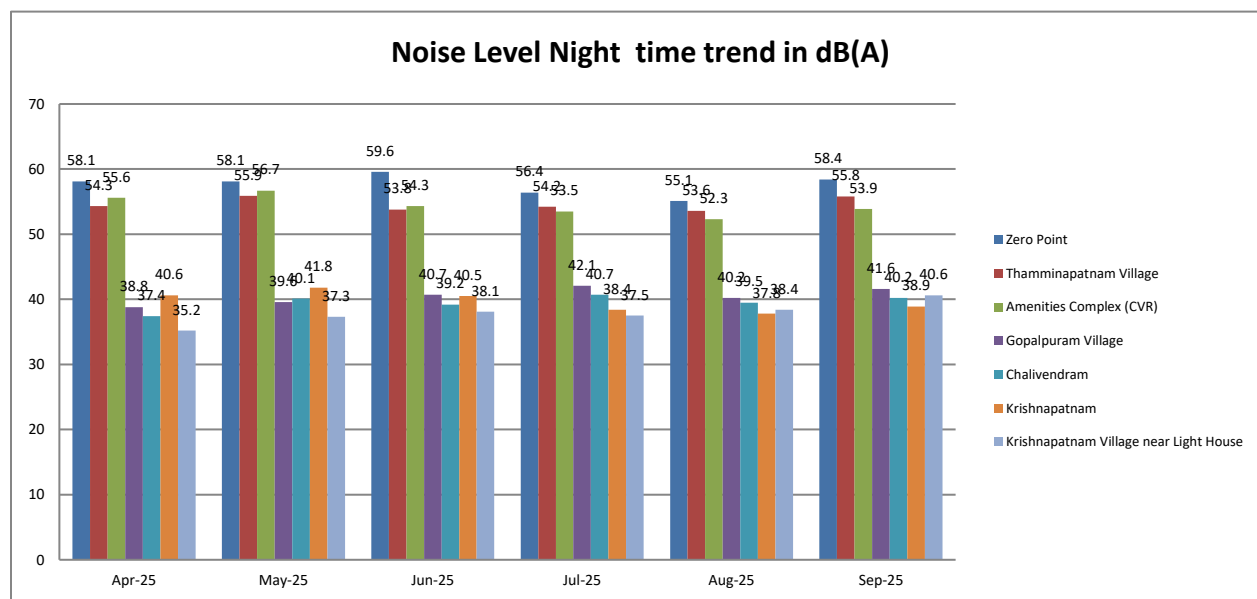
Location Code	Environmental Setting	CPCB norms Leq (Dba)	
		Day	Night
N1	Industrial	75	70
N2	Industrial	75	70
N3	Residential	55	45
N4	Residential	55	45
N5	Residential	55	45
N6	Residential	55	45
N7	Residential	55	45

Noise Level Data for the above locations are enclosed as Table - 4.5.1&4.5.2

**TABLE-4.5.1**

Location	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25
Zero Point	67.2	69.8	68.3	67.1	66.3	68.5
Thamminapatnam Village	63.6	65.1	64.5	63.5	64.1	66.3
Amenities Complex (CVR)	59.3	61.2	60.6	61.3	60.5	62.1
Gopalpuram Village	47.5	49.7	48.1	50.7	48.9	49.8
Chalivendram	50.1	52.4	51.5	52.9	51.3	53.7
Krishnapatnam	52.4	54.3	53.2	50.6	49.2	51.2
Krishnapatnam Village near Light House	46.7	48.5	49.8	51.4	50.6	52.6

❖ **NAAQ Standard: Industrial -75 Db(A):Residential –55dB(A)**

**TABLE-4.5.2**

Location	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25
Zero Point	58.1	58.1	59.6	56.4	55.1	58.4
Thamminapatnam Village	54.3	55.9	53.8	54.2	53.6	55.8
Amenities Complex (CVR)	55.6	56.7	54.3	53.5	52.3	53.9
Gopalpuram Village	38.8	39.6	40.7	42.1	40.2	41.6
Chalivendram	37.4	40.1	39.2	40.7	39.5	40.2
Krishnapatnam	40.6	41.8	40.5	38.4	37.8	38.9
Krishnapatnam Village near Light House	35.2	37.3	38.1	37.5	38.4	40.6

❖ **NAAQ Standard: Industrial -70 Db(A) ,Residential-45 dB(A)**

4.4 Marine Water and Surface Water Quality

4.4.1 Sampling Locations

Marine water sampling is carried out once in every week at Four sampling locations in the port. In addition to marine quality sampling, surface water quality sampling is also carried out at two locations in the creek once in every month. The marine water and surface water sampling locations are given in **Table-4** and **Figure-5**.

Table No- 4
MARINE WATER QUALITY AND
SURFACE WATER MONITORING LOCATIONS

Location Code	Location
Marine Water Quality Sampling Location	
MW1	Coal Berth
MW2	Turning Circle
MW3	Approach Channel
MW4	Reclamation Area (Mutable)
Surface Water Sampling Location	
SW1	Kandeleru Creek
SW2	Buckingham Canal

- Analysis results of the water samples collected from the above locations are enclosed

The methodology for sample collection and preservation techniques was followed as per the Standard Operating Procedures (SOP) mentioned in table hereunder:

Table No- 5
Standard Operating Procedures (SOP) For Water Sampling

Parameter	Sample Collection	Sample Size	Storage/ Preservation
pH	Grab sampling Plastic /glass container	50 ml	Refrigeration, can be stored for 7 days
Electrical Conductivity	Grab sampling Plastic /glass container	50 ml	Refrigeration, can be stored for 7 days
Total suspended solids	Grab sampling Plastic /glass container	100 ml	Refrigeration, can be stored for 7 days
Total Dissolved Solids	Grab sampling Plastic /glass container	100 ml	Refrigeration, can be stored for 7 days
BOD	Grab sampling Plastic /glass container	500 ml	Refrigeration, 48 hrs
Hardness	Grab sampling Plastic /glass container	100 ml	Add HNO ₃ to pH<2, refrigeration; 6 months
Chlorides	Grab sampling Plastic /glass container	50 ml	Not required; 28 days
Sulphates	Grab sampling Plastic /glass container	100 ml	Refrigeration; 28 days
Nitrates	Plastic containers	100 ml	Refrigeration; 48 hrs
Fluorides	Plastic containers only	100 ml	Not required; 28 days
Alkalinity	Plastic/ glass containers	100 ml	Refrigeration; 14 days
Ammonia	Plastic/ glass containers	100 ml	Add H ₂ SO ₄ to pH>2, refrigeration, 28 days
Heavy Metals (Ar, Cd, Mn, Cu, Fe, Zn, Pb etc.)	Plastic/ Glass rinse with 1+1 HNO ₃	500 ml	Filter, add HNO ₃ to pH>2; Grab sample; 6 months

Source: Standard Methods for the Examination of Water and Wastewater, Published By APHA, 24th Edition, 2023

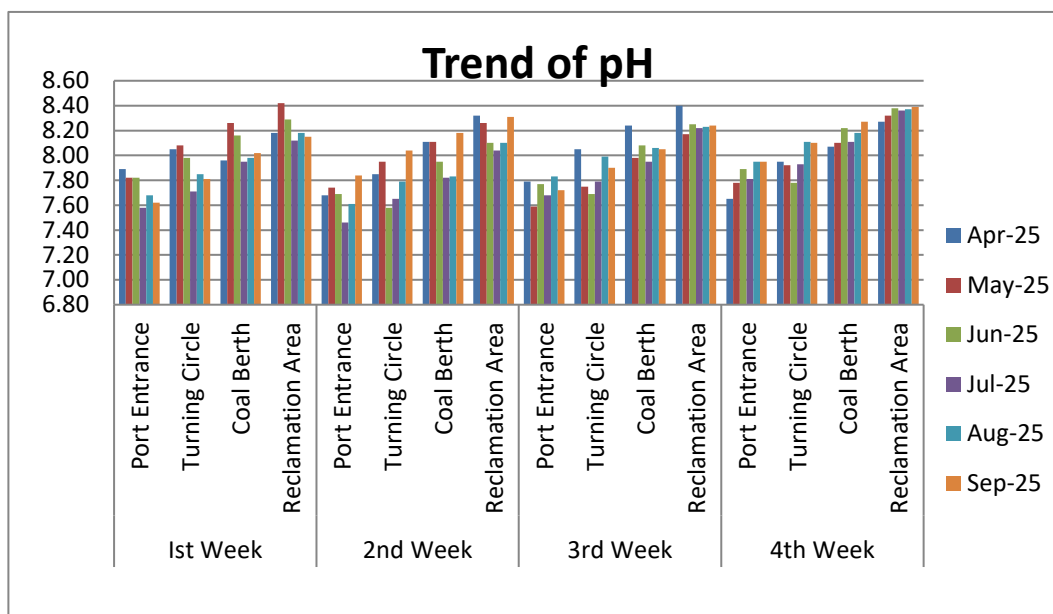
The analytical techniques used for water analysis is given in the table hereunder:

Table No- 6
Analytical Techniques for Water Analysis

S.No	Parameter	Method
1.	pH	APHA, 4500-H+B, 24 th Ed., 2023
2.	Colour	APHA, 2120-C/2120-B, 24 th Ed., 2023
3.	Odour	APHA, 2150, 24 th Ed., 2023
4.	Temperature	APHA, 2550-A+B, 24 th Ed., 2023
5.	Oil & Grease	APHA, 5520-D, 24 th Ed., 2023
6.	Total Suspended Solids	APHA, 2540-D, 24 th Ed., 2023
7.	Total Dissolved Solids	APHA, 2540-C, 24 th Ed., 2023
8.	Total Residual Chlorine	APHA, 4500-Cl B, 24 th Ed., 2023
9.	Biochemical Oxygen Demand	APHA, 5210-B, 24 th Ed., 2023 4500-OC, 24 th Ed., 2023
10.	Chemical Oxygen Demand	APHA, 5220-B, 24 th Ed., 2023
11.	Free Ammonia	IS 3025
12.	Ammonical Nitrogen	APHA, 4500-NH ₃ B, 24 th Ed., 2023
13.	Total Kjeldhal Nitrogen	APHA, 4500-Norg B, 24 th Ed., 2023
14.	Zinc	APHA, 3111-B, 24 th Ed., 2023
15.	Lead	APHA, 3111-B, 24 th Ed., 2023
16.	Cadmium	APHA, 3111-B, 24 th Ed., 2023
17.	Mercury	APHA, 3112-B, 24 th Ed., 2023
18.	Arsenic	APHA, 3114-B, 24 th Ed., 2023
19.	Copper	APHA, 3111-B, 24 th Ed., 2023
20.	Nickel	APHA, 3111-B, 24 th Ed., 2023
21.	Cyanide	APHA, 4500-CNB, 24 th Ed., 2023
22.	Fluoride	APHA, 4500-FD, 24 th Ed., 2023 (SPANDS Methods)
23.	Phosphates	APHA, 4500-PD, 24 th Ed., 2023
24.	Sulphates	APHA, 4500-SO ₄ ²⁻ E, 24 th Ed., 2023
25.	Sulphide	APHA, 4500-S ²⁻ , 24 th Ed., 2023
26.	Manganese	APHA, 3111-B, 24 th Ed., 2023
27.	Iron	APHA, 3111-B, 24 th Ed., 2023
28.	Phenolic Compounds	APHA, 5530-B, 24 th Ed., 2023
29.	Bio Assay Test	IS 6582

Marine water samples have been collected in the port and the results of the same are shown below in **Table**.

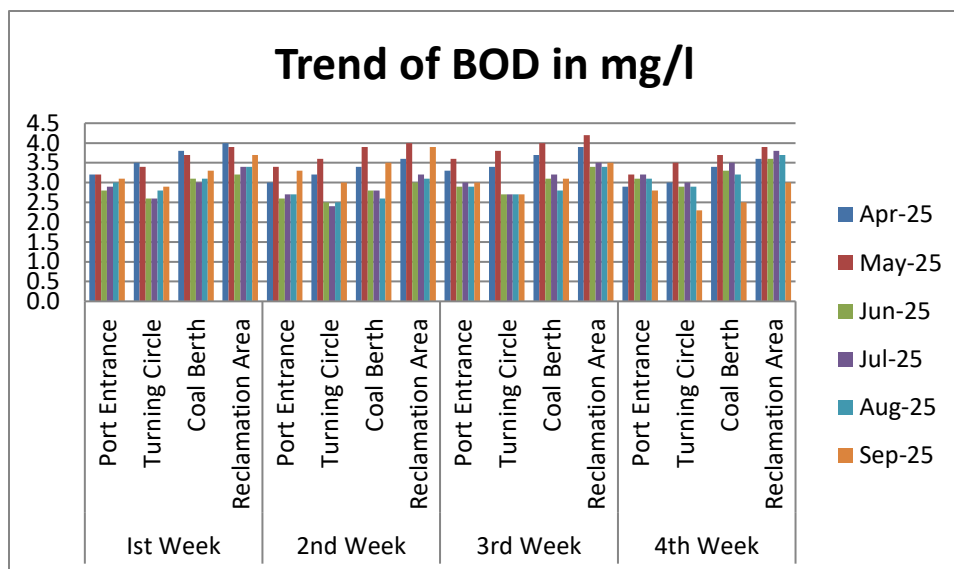
Status of Marine water Quality



pH of Marine water varied between 7.46 to 8.42

Month	Ist Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	7.89	8.05	7.96	8.18	7.68	7.85	8.11	8.32
May'25	7.82	8.08	8.26	8.42	7.74	7.95	8.11	8.26
June'25	7.82	7.98	8.16	8.29	7.69	7.58	7.95	8.10
July'25	7.58	7.71	7.95	8.12	7.46	7.65	7.82	8.04
Aug'25	7.68	7.85	7.98	8.18	7.61	7.79	7.83	8.10
Sep'25	7.62	7.81	8.02	8.15	7.84	8.04	8.18	8.31

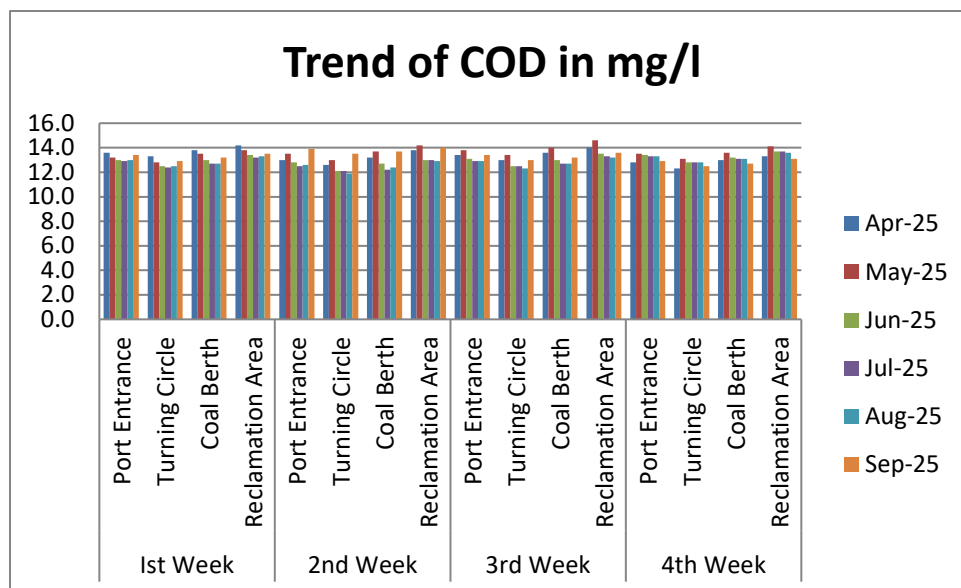
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	7.79	8.05	8.24	8.40	7.65	7.95	8.07	8.27
May'25	7.59	7.75	7.98	8.17	7.78	7.92	8.10	8.32
June'25	7.77	7.69	8.08	8.25	7.89	7.78	8.22	8.38
July'25	7.68	7.79	7.95	8.22	7.81	7.93	8.11	8.36
Aug'25	7.83	7.99	8.06	8.23	7.95	8.11	8.18	8.37
Sep'25	7.72	7.90	8.05	8.24	7.95	8.10	8.27	8.39



❖ BOD of Marine Water varied between 2.3 to 4.2 mg/l

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	3.2	3.5	3.8	4.0	3.0	3.2	3.4	3.6
May'25	3.2	3.4	3.7	3.9	3.4	3.6	3.9	4.0
June'25	2.8	2.6	3.1	3.2	2.6	2.5	2.8	3.0
July'25	2.9	2.6	3.0	3.4	2.7	2.4	2.8	3.2
Aug'25	3.0	2.8	3.1	3.4	2.7	2.5	2.6	3.1
Sep'25	3.1	2.9	3.3	3.7	3.3	3.0	3.5	3.9

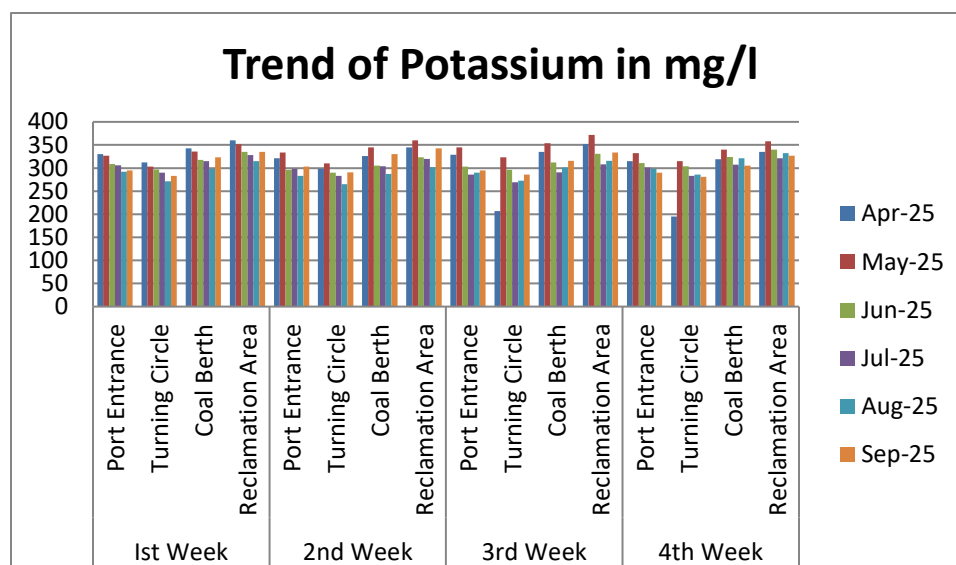
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	3.3	3.4	3.7	3.9	2.9	3.0	3.4	3.6
May'25	3.6	3.8	4.0	4.2	3.2	3.5	3.7	3.9
June'25	2.9	2.7	3.1	3.4	3.1	2.9	3.3	3.6
July'25	3.0	2.7	3.2	3.5	3.2	3.0	3.5	3.8
Aug'25	2.9	2.7	2.8	3.4	3.1	2.9	3.2	3.7
Sep'25	3.0	2.7	3.1	3.5	2.8	2.3	2.5	3.0



❖ COD of Marine Water varied between 11.9 to 14.6 mg/l

Month	Ist Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	13.6	13.3	13.8	14.2	13.0	12.6	13.2	13.8
May'25	13.2	12.8	13.5	13.8	13.5	13.0	13.7	14.2
June'25	13.0	12.5	13.0	13.4	12.8	12.1	12.7	13.0
July'25	12.9	12.4	12.7	13.2	12.5	12.1	12.2	13.0
Aug'25	13.0	12.5	12.7	13.3	12.6	11.9	12.4	12.9
Sep'25	13.4	12.9	13.2	13.5	13.9	13.5	13.7	14.0

Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	13.4	13.0	13.6	14.0	12.8	12.3	13.0	13.3
May'25	13.8	13.4	14.0	14.6	13.5	13.1	13.6	14.1
June'25	13.1	12.5	13.0	13.5	13.4	12.8	13.2	13.7
July'25	12.9	12.5	12.7	13.3	13.3	12.8	13.1	13.7
Aug'25	12.9	12.3	12.7	13.2	13.3	12.8	13.1	13.6
Sep'25	13.4	13.0	13.2	13.6	12.9	12.5	12.7	13.1

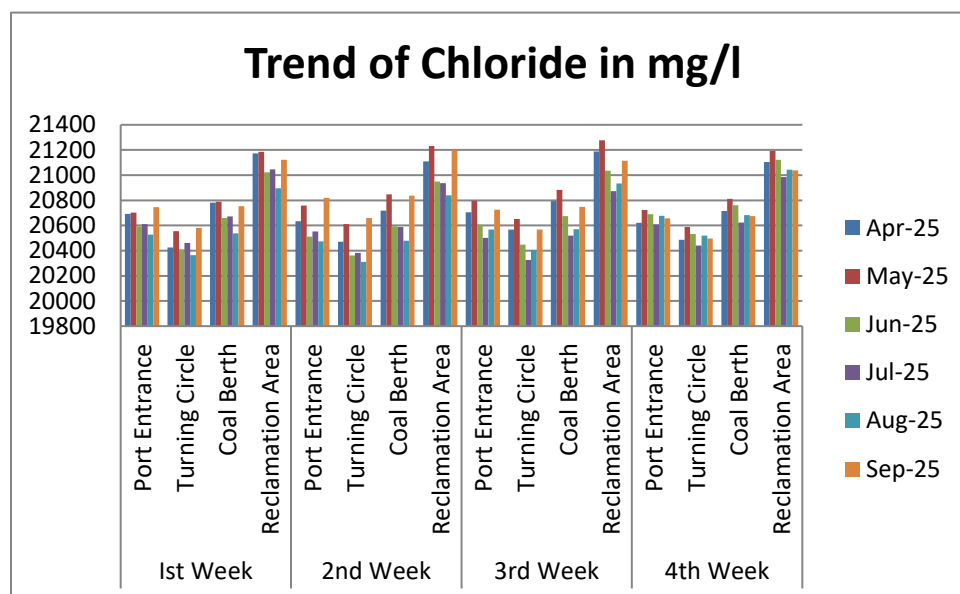


❖ Potassium Concentration in Marine water varied between 195 to 372 mg/l



Month	Ist Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	330	312	343	360	321	298	326	345
May'25	327	303	336	352	334	310	345	360
June'25	309	297	318	335	296	290	305	323
July'25	306	290	315	328	298	283	304	320
Aug'25	292	271	298	315	283	265	287	302
Sep'25	295	283	323	335	303	291	330	343

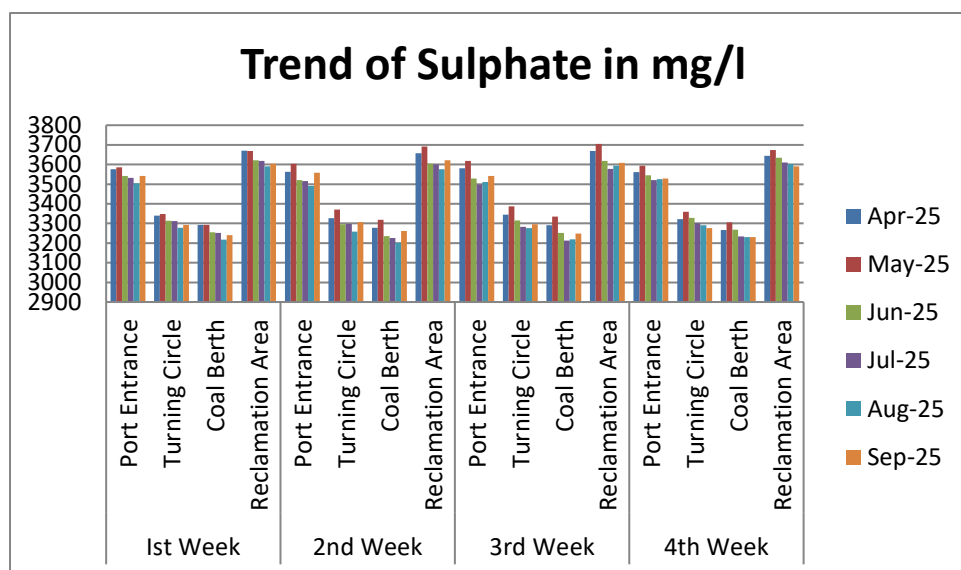
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	329	207	335	352	315	195	319	335
May'25	345	323	354	372	332	315	340	358
June'25	303	296	312	331	311	304	324	340
July'25	286	269	291	308	301	283	307	321
Aug'25	290	273	301	316	298	286	321	332
Sep'25	295	286	316	334	290	281	305	327



❖ Chloride concentration in Marine water varied between 20310 to 21276 mg/l

Month	Ist Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	20693	20426	20780	21174	20634	20472	20718	21110
May'25	20702	20554	20790	21186	20758	20610	20848	21230
June'25	20592	20410	20658	21022	20512	20362	20592	20948
July'25	20610	20462	20673	21045	20553	20381	20589	20936
Aug'25	20526	20364	20538	20895	20474	20310	20478	20839
Sep'25	20746	20581	20753	21121	20820	20659	20836	21201

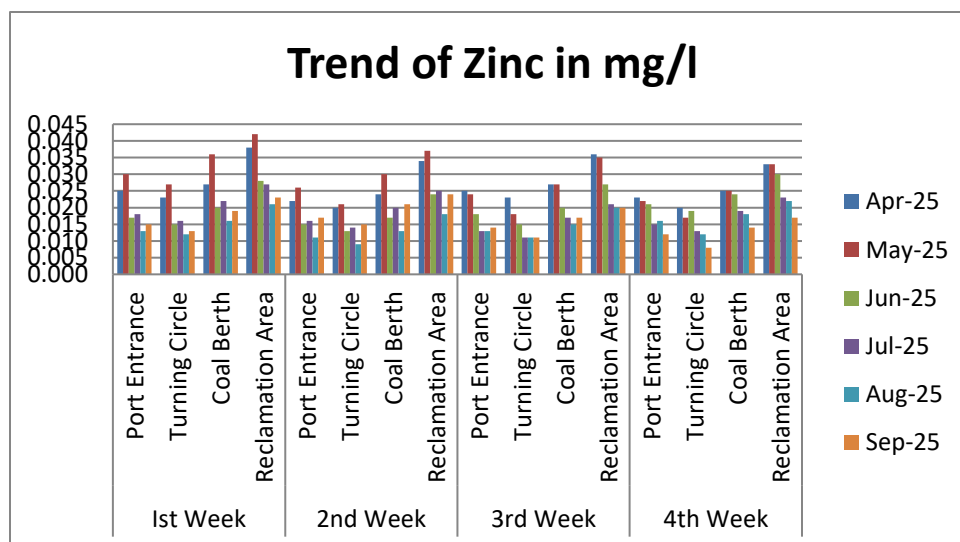
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	20704	20567	20793	21188	20621	20486	20716	21105
May'25	20796	20652	20882	21276	20723	20587	20811	21194
June'25	20606	20448	20675	21035	20689	20532	20762	21121
July'25	20501	20326	20519	20872	20607	20440	20624	20985
Aug'25	20568	20406	20569	20933	20678	20520	20681	21043
Sep'25	20726	20568	20749	21115	20657	20496	20675	21039



❖ Sulphate concentration in Marine water varied between 3201 to 3705 mg/l

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	3576	3340	3293	3671	3563	3326	3278	3658
May'25	3586	3348	3292	3669	3603	3371	3319	3692
June'25	3542	3314	3255	3621	3520	3296	3236	3604
July'25	3532	3312	3251	3619	3516	3297	3226	3601
Aug'25	3504	3278	3217	3591	3491	3259	3201	3576
Sep'25	3541	3292	3240	3604	3558	3307	3262	3621

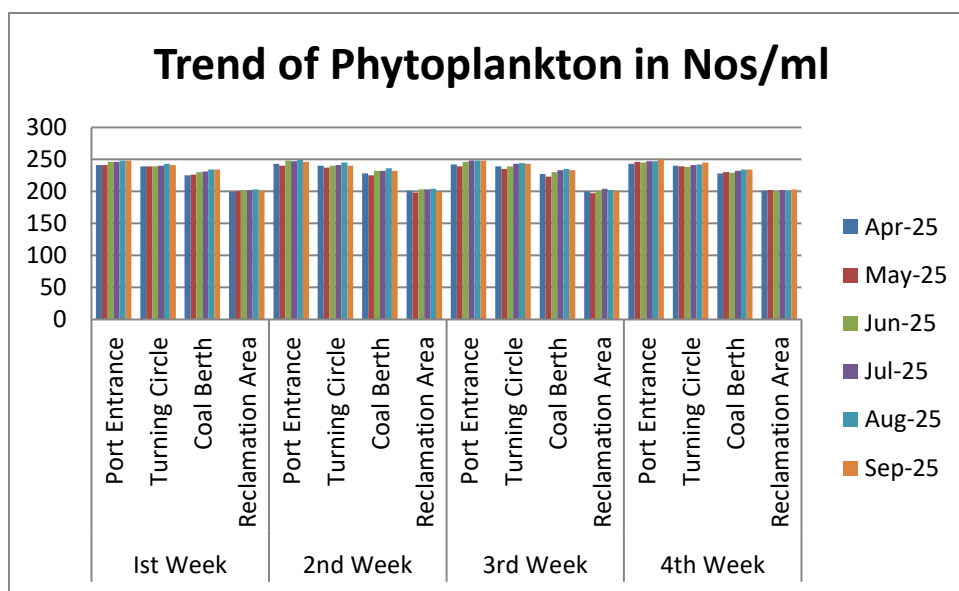
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	3580	3345	3291	3669	3562	3321	3267	3645
May'25	3618	3387	3335	3705	3594	3359	3305	3674
June'25	3529	3316	3252	3619	3545	3329	3268	3634
July'25	3498	3282	3212	3578	3520	3301	3234	3610
Aug'25	3510	3276	3219	3594	3526	3291	3231	3602
Sep'25	3542	3295	3248	3608	3528	3276	3231	3591



❖ Zinc concentration in Marine water varied between 0.008 to 0.042 mg/l

Month	Ist Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	0.025	0.023	0.027	0.038	0.022	0.020	0.024	0.034
May'25	0.030	0.027	0.036	0.042	0.026	0.021	0.030	0.037
June'25	0.017	0.015	0.020	0.028	0.015	0.013	0.017	0.024
July'25	0.018	0.016	0.022	0.027	0.016	0.014	0.020	0.025
Aug'25	0.013	0.012	0.016	0.021	0.011	0.009	0.013	0.018
Sep'25	0.015	0.013	0.019	0.023	0.017	0.015	0.021	0.024

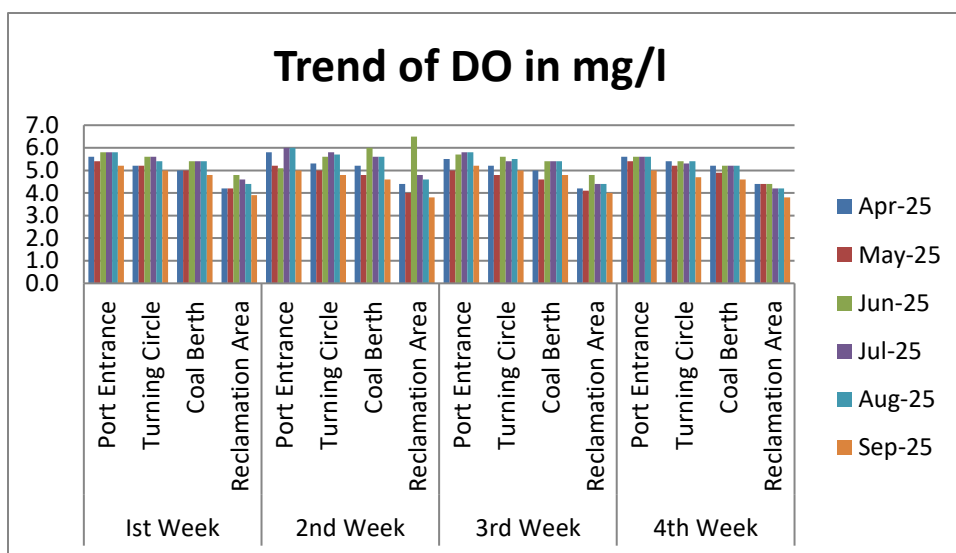
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	0.025	0.023	0.027	0.036	0.023	0.020	0.025	0.033
May'25	0.024	0.018	0.027	0.035	0.022	0.017	0.025	0.033
June'25	0.018	0.015	0.020	0.027	0.021	0.019	0.024	0.030
July'25	0.013	0.011	0.017	0.021	0.015	0.013	0.019	0.023
Aug'25	0.013	0.011	0.015	0.020	0.016	0.012	0.018	0.022
Sep'25	0.014	0.011	0.017	0.020	0.012	0.008	0.014	0.017



❖ Phytoplankton in Marine water varied between 197 to 250 No./ml

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	241	239	225	199	243	240	228	201
May'25	241	239	226	200	240	237	225	198
June'25	246	239	230	202	248	240	232	203
July'25	246	240	231	202	247	241	232	203
Aug'25	248	243	234	203	249	245	236	204
Sep'25	248	241	234	201	246	240	232	199

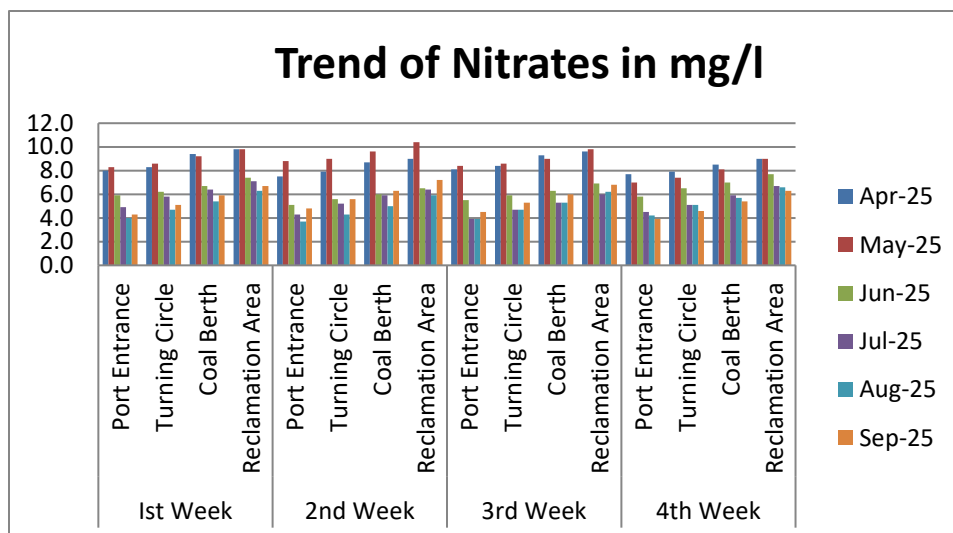
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	242	239	227	200	243	240	228	201
May'25	239	235	223	197	246	239	230	202
June'25	246	239	230	201	245	238	229	200
July'25	248	243	233	204	247	241	232	202
Aug'25	248	244	235	202	247	242	234	201
Sep'25	248	243	233	200	250	245	234	203



❖ DO in Marine water varied between 3.8 to 6.5 mg/l

Month	Ist Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	5.6	5.2	5.0	4.2	5.8	5.3	5.2	4.4
May'25	5.4	5.2	5.0	4.2	5.2	5.0	4.8	4.0
June'25	5.8	5.6	5.4	4.8	5.1	5.6	6.0	6.5
July'25	5.8	5.6	5.4	4.6	6.0	5.8	5.6	4.8
Aug'25	5.8	5.4	5.4	4.4	6.0	5.7	5.6	4.6
Sep'25	5.2	5.0	4.8	3.9	5.0	4.8	4.6	3.8

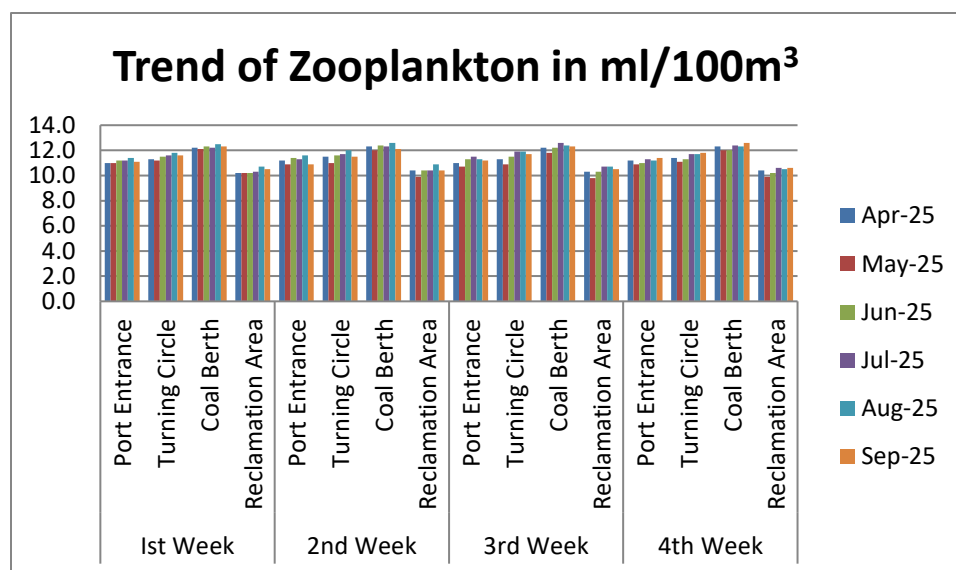
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	5.5	5.2	5.0	4.2	5.6	5.4	5.2	4.4
May'25	5.0	4.8	4.6	4.1	5.4	5.2	4.9	4.4
June'25	5.7	5.6	5.4	4.8	5.6	5.4	5.2	4.4
July'25	5.8	5.4	5.4	4.4	5.6	5.3	5.2	4.2
Aug'25	5.8	5.5	5.4	4.4	5.6	5.4	5.2	4.2
Sep'25	5.2	5.0	4.8	4.0	5.0	4.7	4.6	3.8



❖ Nitrates in Marine water varied between 3.7 to 10.4 mg/l

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	8.0	8.3	9.4	9.8	7.5	7.9	8.7	9.0
May'25	8.3	8.6	9.2	9.8	8.8	9.0	9.6	10.4
June'25	5.9	6.2	6.7	7.4	5.1	5.6	6.0	6.5
July'25	4.9	5.8	6.4	7.1	4.3	5.2	5.9	6.4
Aug'25	4.0	4.7	5.4	6.3	3.7	4.3	5.0	5.9
Sep'25	4.3	5.1	5.9	6.7	4.8	5.6	6.3	7.2

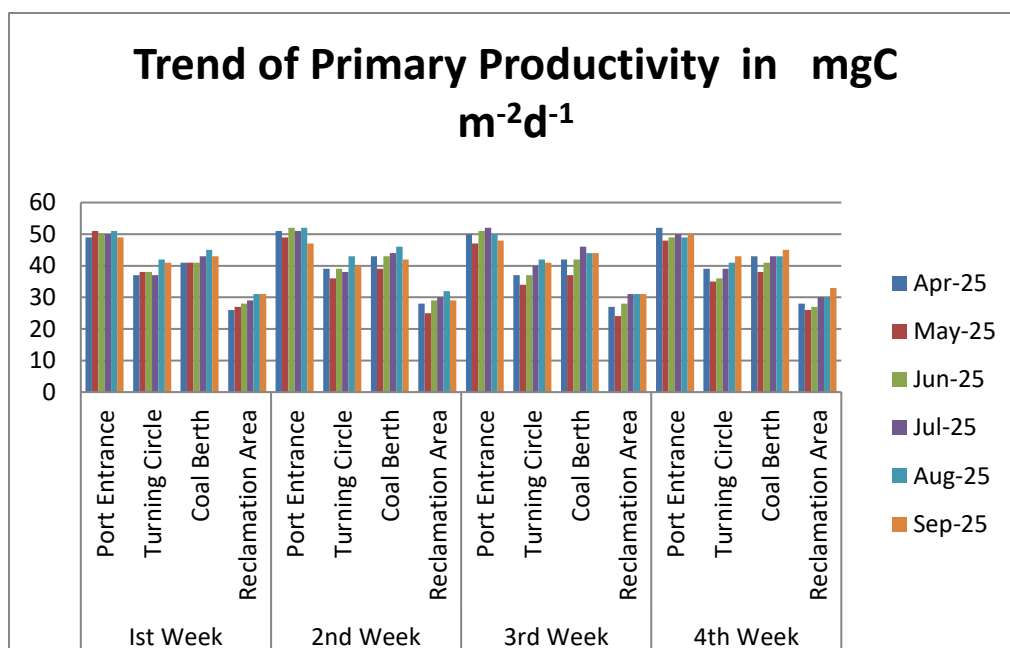
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	8.1	8.4	9.3	9.6	7.7	7.9	8.5	9.0
May'25	8.4	8.6	9.0	9.8	7.0	7.4	8.1	9.0
June'25	5.5	5.9	6.3	6.9	5.8	6.5	7.0	7.7
July'25	3.9	4.7	5.3	6.0	4.5	5.1	5.9	6.7
Aug'25	3.9	4.7	5.3	6.2	4.2	5.1	5.7	6.6
Sep'25	4.5	5.3	6.0	6.8	3.9	4.6	5.4	6.3



❖ Zoo plankton in Marine water varied between 9.8 to 12.6 ml/100m³

Month	Ist Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	11.0	11.3	12.2	10.2	11.2	11.5	12.3	10.4
May'25	11.0	11.2	12.1	10.2	10.9	11.0	12.0	9.9
June'25	11.2	11.5	12.3	10.2	11.4	11.6	12.4	10.4
July'25	11.2	11.6	12.2	10.3	11.3	11.7	12.3	10.4
Aug'25	11.4	11.8	12.5	10.7	11.6	12.0	12.6	10.9
Sep'25	11.1	11.6	12.3	10.5	10.9	11.5	12.1	10.4

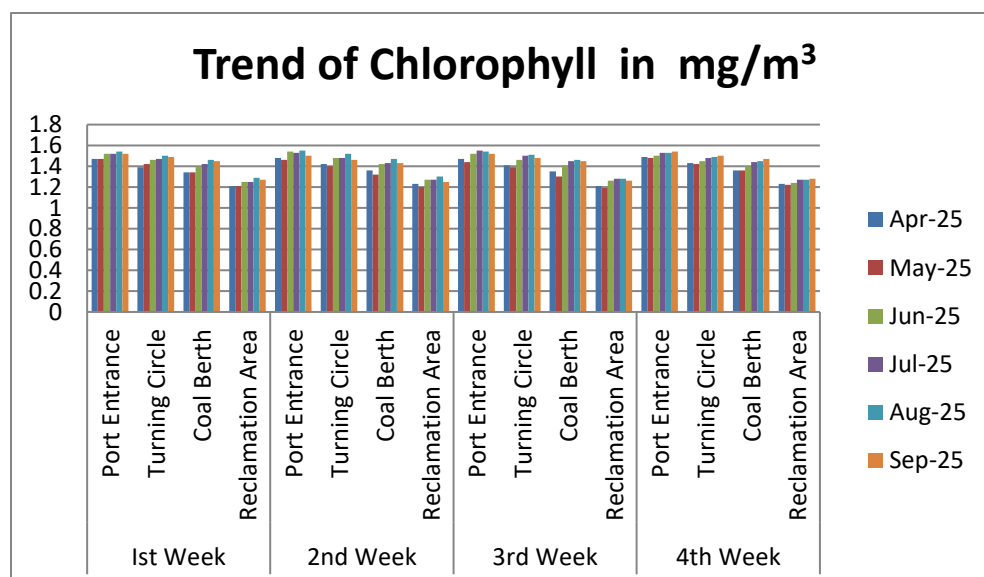
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	11.0	11.3	12.2	10.3	11.2	11.4	12.3	10.4
May'25	10.7	10.9	11.8	9.8	10.9	11.1	12.0	9.9
June'25	11.3	11.5	12.2	10.3	11.0	11.3	12.0	10.2
July'25	11.5	11.9	12.6	10.7	11.3	11.7	12.4	10.6
Aug'25	11.3	11.9	12.4	10.7	11.2	11.7	12.3	10.5
Sep'25	11.2	11.7	12.3	10.5	11.4	11.8	12.6	10.6



❖ Primary Productivity in Marine water varied between 24 to 52 $\text{mg m}^{-2}\text{d}^{-1}$

Month	Ist Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	49	37	41	26	51	39	43	28
May'25	51	38	41	27	49	36	39	25
June'25	50	38	41	28	52	39	43	29
July'25	50	37	43	29	51	38	44	30
Aug'25	51	42	45	31	52	43	46	32
Sep'25	49	41	43	31	47	40	42	29

Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	50	37	42	27	52	39	43	28
May'25	47	34	37	24	48	35	38	26
June'25	51	37	42	28	49	36	41	27
July'25	52	40	46	31	50	39	43	30
Aug'25	50	42	44	31	49	41	43	30
Sep'25	48	41	44	31	50	43	45	33



❖ Chlorophyll in Marine water varied between 1.19 to 1.55 mg/m³

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	1.47	1.39	1.34	1.21	1.48	1.42	1.36	1.23
May'25	1.47	1.42	1.34	1.21	1.46	1.40	1.32	1.20
June'25	1.52	1.46	1.4	1.25	1.54	1.48	1.42	1.27
July'25	1.52	1.47	1.42	1.25	1.53	1.48	1.43	1.27
Aug'25	1.54	1.50	1.46	1.29	1.55	1.52	1.47	1.3
Sep'25	1.52	1.49	1.45	1.27	1.50	1.46	1.43	1.25

Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	1.47	1.41	1.35	1.21	1.49	1.43	1.36	1.23
May'25	1.44	1.39	1.30	1.19	1.48	1.42	1.36	1.22
June'25	1.52	1.46	1.41	1.26	1.50	1.45	1.40	1.24
July'25	1.55	1.50	1.45	1.28	1.53	1.48	1.44	1.27
Aug'25	1.54	1.51	1.46	1.28	1.53	1.49	1.45	1.27
Sep'25	1.52	1.48	1.45	1.26	1.54	1.50	1.47	1.28

Summary of Marine water quality results for six months of period April 25 – Sep 25

- pH - values are in the range 7.46 to 8.42
- BOD - values are in the range 2.3 to 4.2 mg/l
- COD - values are in the range 11.9 to 14.6 mg/l
- Potassium - values are in the range 195 to 272 mg/l
- Chloride - values are in the range 20310 to 21276 mg/l
- Sulphates - values are in the range 3201 to 3705 mg/l
- Zinc - values are in the range 0.008 to 0.042 mg/l
- Phytoplankton - values are in the range 197 to 250 No./ml
- DO - values are in the range 3.7 to 10.4 mg/l
- Nitrates - values are in the range 3.3 to 10.6 mg/l
- Zoo plankton - values are in the range 9.8 to 12.6 ml/100m³
- Primary productivity - values are in the range 24 to 52 mgC m⁻²d⁻¹
- Chlorophyll - values are in the range 1.19 to 1.55 mg/m³

4.5 Marine Water Turbidity

Marine water turbidity is carried out on one day every week at each of the four locations of Marine Water quality sampling (MT1, MT2 ,MT3 and MT4). Turbidity levels are monitored during Low Tide, Medium Tide and High Tide.

MARINE TURBIDITY MONITORING LOCATIONS

Sampling Code	Name of the Location
MT1	Coal Berth
MT2	Turning circle
MT3	Approach channel
MT4	Reclamation Area (Mutable)

4.5.1 Marine Deep Sea Turbidity

Marine water turbidity is carried out in the deep water i.e., at the dredged material disposal area on one day every month at three locations.

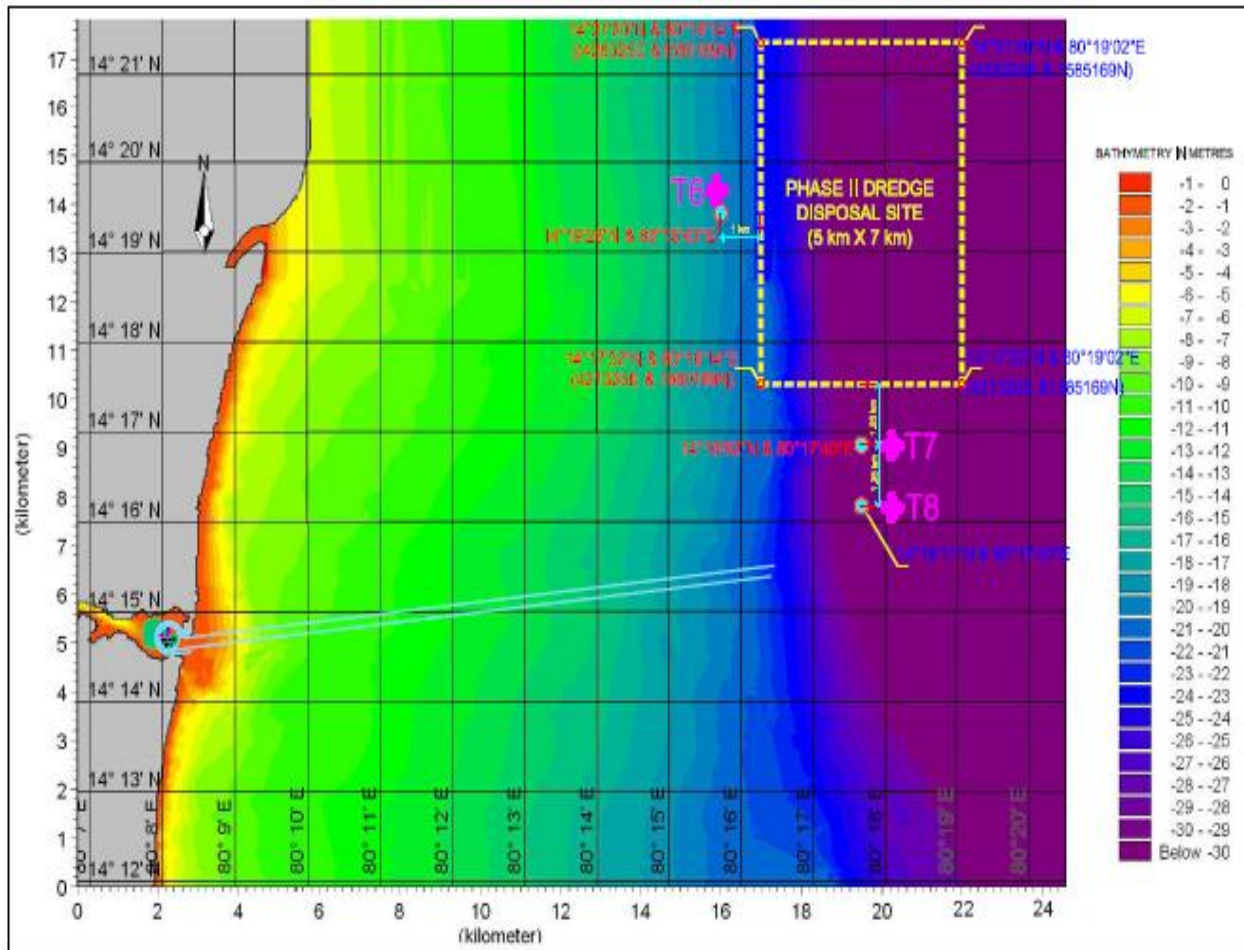
4.5.2 Sampling Locations

Turbidity levels are monitored during Low Tide, Medium Tide and High Tide. Monitoring locations listed below and **Figure–5**.

MARINE DEEP SEA TURBIDITY MONITORING LOCATIONS

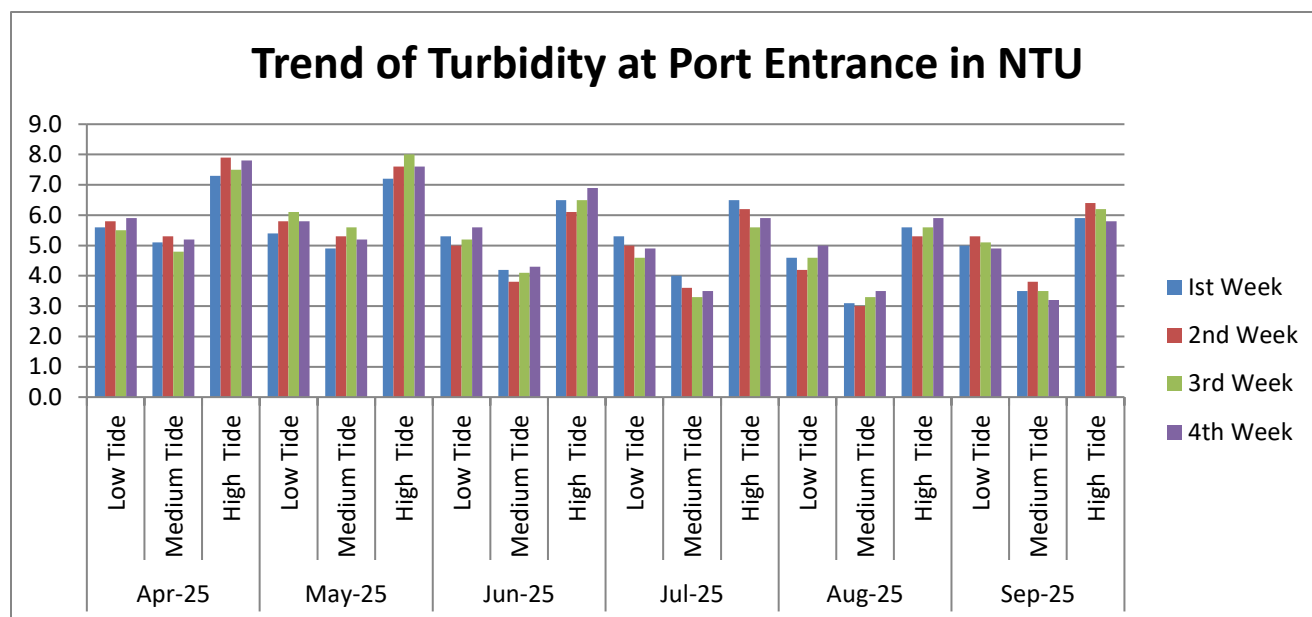
Location Code	Geographical Co-ordinates
DS1	14 ⁰ 19'26"N ; 80 ⁰ 15'43"E
DS2	14 ⁰ 16'52"N ; 80 ⁰ 17'40"E
DS3	14 ⁰ 16'11"N ; 80 ⁰ 17'40"E

FIGURE-5
KRISHNAPATNAM PORT DEEP SEA MONITORING LOCATIONS



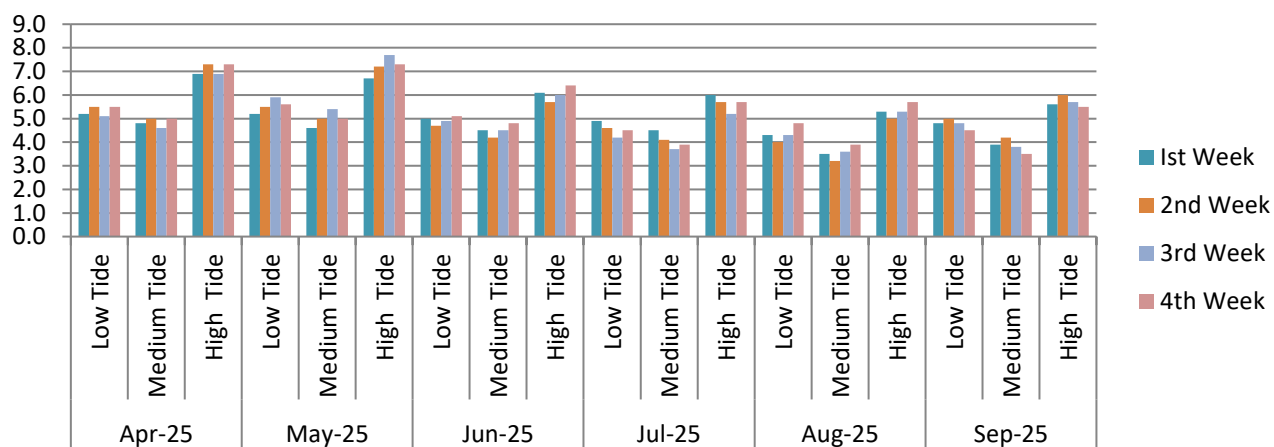
CODE	PARAMETERS	CO-ORDINATES OF MONITORING STATION
✚	Turbidity Monitoring	
T6		14°19'26"N & 80°15'43"E
T7		14°16'52"N & 80°17'40"E
T8		14°16'11"N & 80°17'40"E

Status of Turbidity in Marine Water

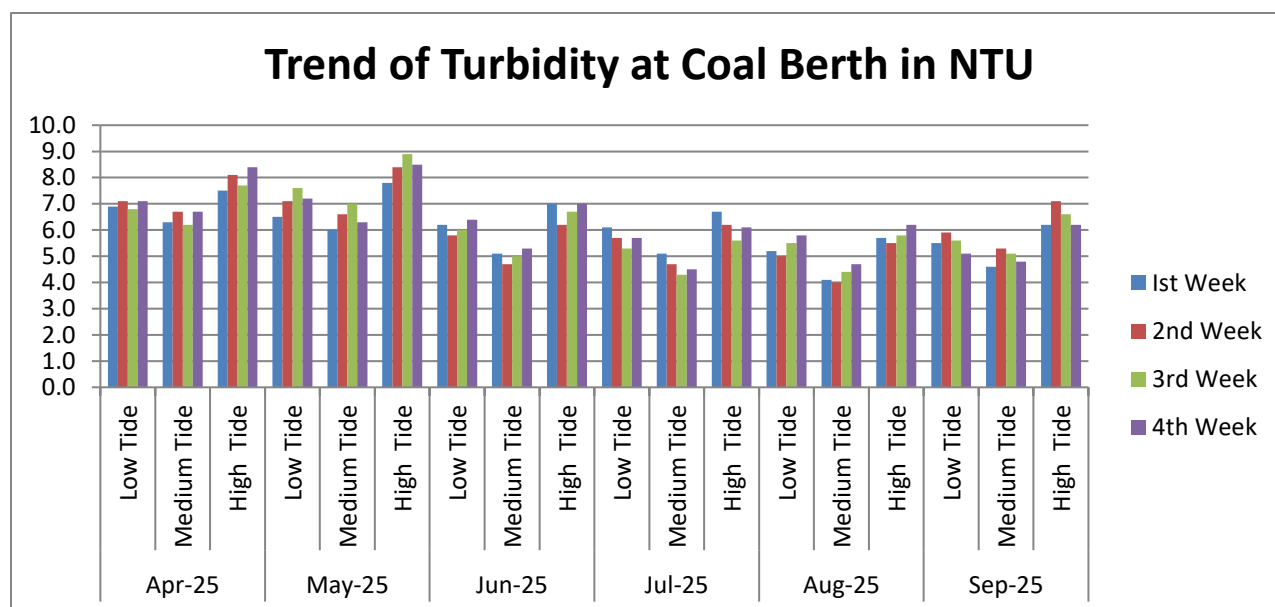


Month		Ist Week	2nd Week	3rd Week	4th Week	Month		Ist Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	5.6	5.8	5.5	5.9	July'25	Low Tide	5.3	5.0	4.6	4.9
	Medium Tide	5.1	5.3	4.8	5.2		Medium Tide	4.0	3.6	3.3	3.5
	High Tide	7.3	7.9	7.5	7.8		High Tide	6.5	6.2	5.6	5.9
May'25	Low Tide	5.4	5.8	6.1	5.8	Aug'25	Low Tide	4.6	4.2	4.6	5.0
	Medium Tide	4.9	5.3	5.6	5.2		Medium Tide	3.1	3.0	3.3	3.5
	High Tide	7.2	7.6	8.0	7.6		High Tide	5.6	5.3	5.6	5.9
June'25	Low Tide	5.3	5.0	5.2	5.6	Sep'25	Low Tide	5.0	5.3	5.1	4.9
	Medium Tide	4.2	3.8	4.1	4.3		Medium Tide	3.5	3.8	3.5	3.2
	High Tide	6.5	6.1	6.5	6.9		High Tide	5.9	6.4	6.2	5.8

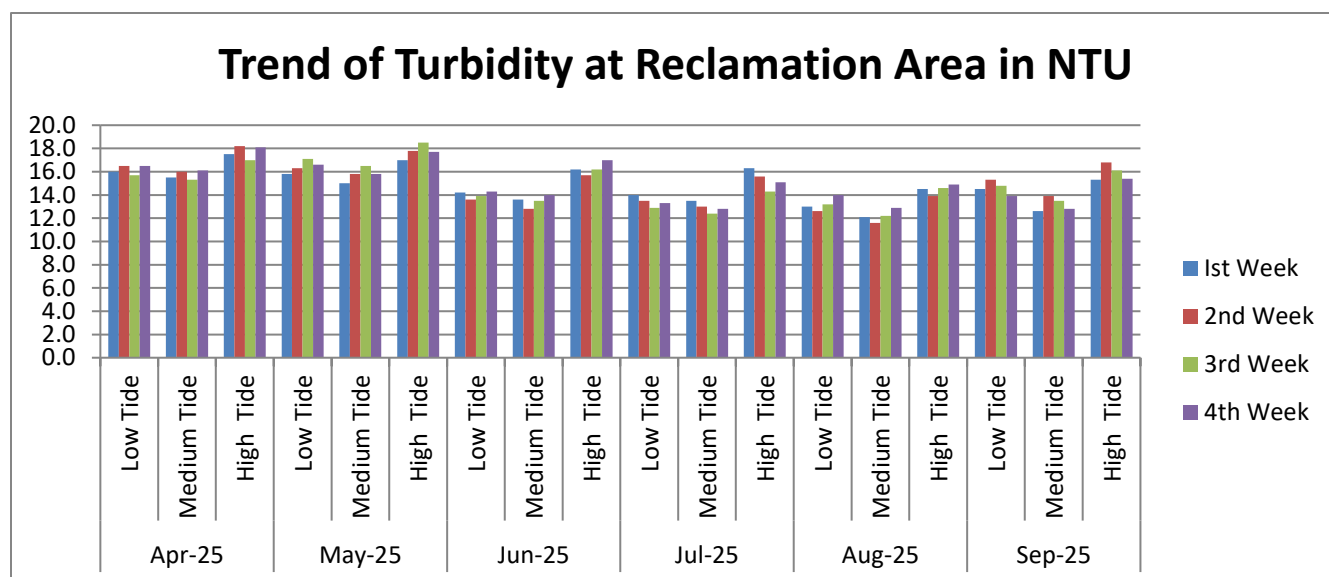
Trend for Turbidity at Turning Circle in NTU



Month		1st Week	2nd Week	3rd Week	4th Week	Month		1st Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	5.2	5.5	5.1	5.5	July'25	Low Tide	4.9	4.6	4.2	4.5
	Medium Tide	4.8	5.0	4.6	5.0		Medium Tide	4.5	4.1	3.7	3.9
	High Tide	6.9	7.3	6.9	7.3		High Tide	6.0	5.7	5.2	5.7
May'25	Low Tide	5.2	5.5	5.9	5.6	Aug'25	Low Tide	4.3	4.0	4.3	4.8
	Medium Tide	4.6	5.0	5.4	5.0		Medium Tide	3.5	3.2	3.6	3.9
	High Tide	6.7	7.2	7.7	7.3		High Tide	5.3	5.0	5.3	5.7
June'25	Low Tide	5.0	4.7	4.9	5.1	Sep'25	Low Tide	4.8	5.0	4.8	4.5
	Medium Tide	4.5	4.2	4.5	4.8		Medium Tide	3.9	4.2	3.8	3.5
	High Tide	6.1	5.7	6.0	6.4		High Tide	5.6	6.0	5.7	5.5



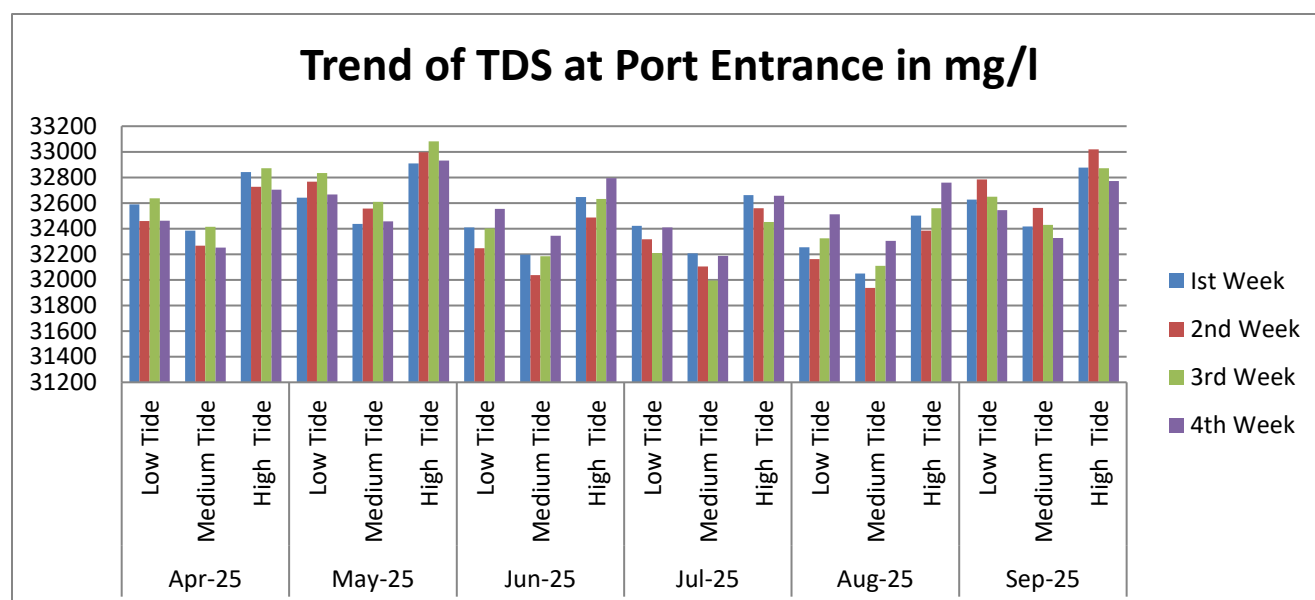
Month		1st Week	2nd Week	3rd Week	4th Week	Month		1st Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	6.9	7.1	6.8	7.1	July'25	Low Tide	6.1	5.7	5.3	5.7
	Medium Tide	6.3	6.7	6.2	6.7		Medium Tide	5.1	4.7	4.3	4.5
	High Tide	7.5	8.1	7.7	8.4		High Tide	6.7	6.2	5.6	6.1
May'25	Low Tide	6.5	7.1	7.6	7.2	Aug'25	Low Tide	5.2	5.0	5.5	5.8
	Medium Tide	6.0	6.6	7.0	6.3		Medium Tide	4.1	4.0	4.4	4.7
	High Tide	7.8	8.4	8.9	8.5		High Tide	5.7	5.5	5.8	6.2
June'25	Low Tide	6.2	5.8	6.0	6.4	Sep'25	Low Tide	5.5	5.9	5.6	5.1
	Medium Tide	5.1	4.7	5.0	5.3		Medium Tide	4.6	5.3	5.1	4.8
	High Tide	7.0	6.2	6.7	7.0		High Tide	6.2	7.1	6.6	6.2



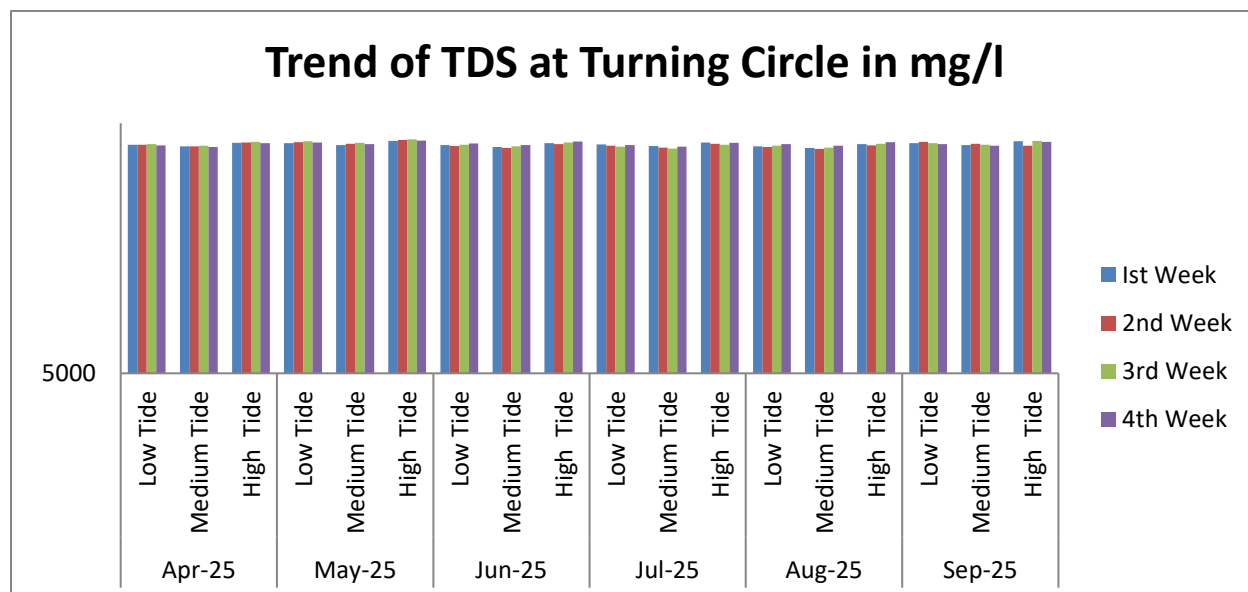
Month		1st Week	2nd Week	3rd Week	4th Week	Month		1st Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	16.0	16.5	15.7	16.5	July'25	Low Tide	14.0	13.5	12.9	13.3
	Medium Tide	15.5	16.0	15.3	16.1		Medium Tide	13.5	13.0	12.4	12.8
	High Tide	17.5	18.2	17.0	18.1		High Tide	16.3	15.6	14.3	15.1
May'25	Low Tide	15.8	16.3	17.1	16.6	Aug'25	Low Tide	13.0	12.6	13.2	14.0
	Medium Tide	15.0	15.8	16.5	15.8		Medium Tide	12.1	11.6	12.2	12.9
	High Tide	17.0	17.8	18.5	17.7		High Tide	14.5	13.9	14.6	14.9
June'25	Low Tide	14.2	13.6	13.9	14.3	Sep'25	Low Tide	14.5	15.3	14.8	13.9
	Medium Tide	13.6	12.8	13.5	14.0		Medium Tide	12.6	13.9	13.5	12.8
	High Tide	16.2	15.7	16.2	17.0		High Tide	15.3	16.8	16.1	15.4

Summary of Turbidity: Coal berth varied between 3.0 to 8.0 NTU: Turning circle varied between 3.2 to 7.7 NTU and Approach channel varied between 4.0 to 8.9 NTU: Reclamation Area varied between 11.6 to 18.5 NTU

Status of Total Dissolved Solids in Marine Water

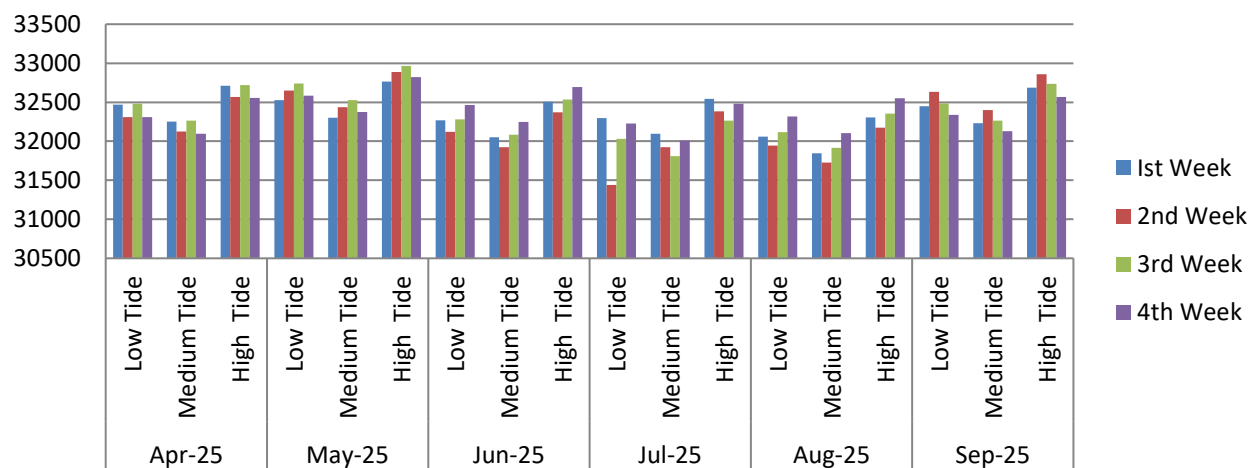


Month		1st Week	2nd Week	3rd Week	4th Week	Month		1st Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	32590	32459	32636	32463	July'25	Low Tide	32422	32316	32209	32409
	Medium Tide	32385	32268	32414	32253		Medium Tide	32206	32104	31994	32187
	High Tide	32842	32728	32871	32705		High Tide	32661	32559	32452	32656
May'25	Low Tide	32642	32767	32835	32667	Aug'25	Low Tide	32254	32162	32324	32511
	Medium Tide	32437	32557	32610	32458		Medium Tide	32050	31938	32109	32304
	High Tide	32910	32996	33081	32932		High Tide	32501	32385	32559	32760
June'25	Low Tide	32410	32246	32401	32554	Sep'25	Low Tide	32628	32785	32649	32545
	Medium Tide	32198	32036	32184	32344		Medium Tide	32417	32563	32429	32327
	High Tide	32646	32486	32631	32794		High Tide	32878	33019	32872	32773

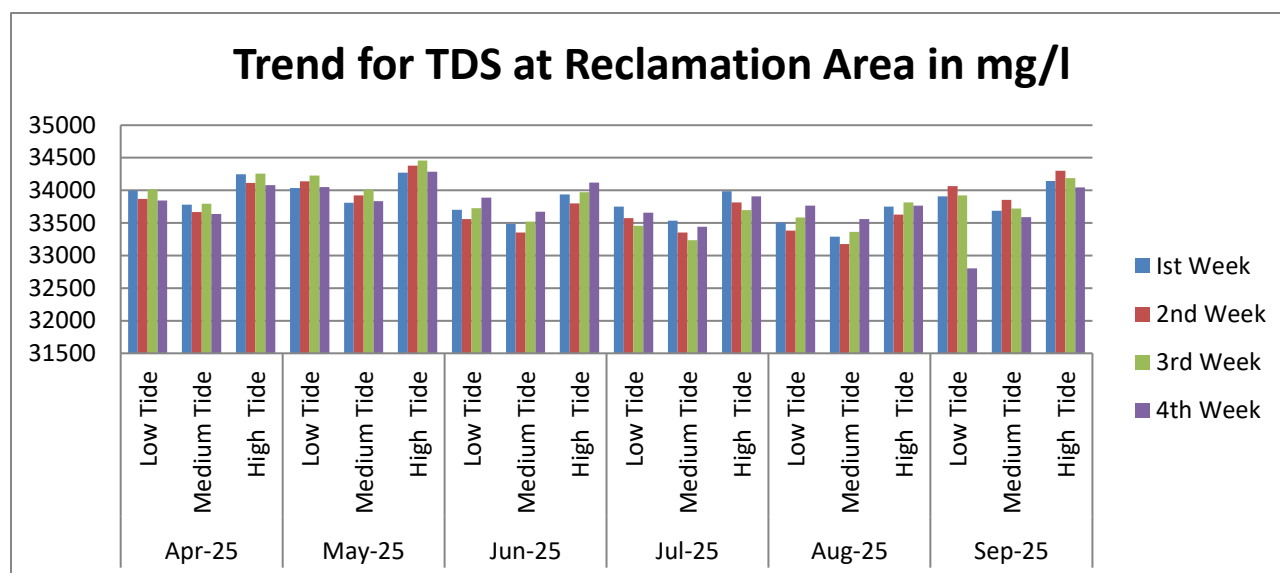


Month		1st Week	2nd Week	3rd Week	4th Week	Month		1st Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	32428	32421	32502	32352	July'25	Low Tide	32441	32291	32184	32386
	Medium Tide	32210	32220	32312	32149		Medium Tide	32243	32080	31970	32169
	High Tide	32656	32672	32765	32592		High Tide	32692	32545	32432	32640
May'25	Low Tide	32620	32740	32852	32689	Aug'25	Low Tide	32233	32138	32296	32495
	Medium Tide	32388	32529	32636	32485		Medium Tide	32018	31904	32086	32286
	High Tide	32865	32972	33054	32913		High Tide	32476	32351	32536	32735
June'25	Low Tide	32360	32260	32421	32569	Sep'25	Low Tide	32597	32752	32621	32496
	Medium Tide	32152	32050	32215	32359		Medium Tide	32385	32528	32405	32286
	High Tide	32605	32500	32668	32809		High Tide	32838	32308	32863	32761

Trend for TDS at Coal Berth in mg/l



Month		Ist Week	2nd Week	3rd Week	4th Week	Month		Ist Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	32470	32308	32482	32309	July'25	Low Tide	32298	31442	32032	32229
	Medium Tide	32253	32126	32264	32097		Medium Tide	32096	31923	31809	32012
	High Tide	32710	32569	32721	32556		High Tide	32544	32384	32265	32482
May'25	Low Tide	32526	32651	32741	32584	Aug'25	Low Tide	32061	31945	32118	32316
	Medium Tide	32301	32438	32528	32375		Medium Tide	31846	31728	31914	32105
	High Tide	32763	32886	32966	32820		High Tide	32305	32176	32354	32553
June'25	Low Tide	32267	32119	32280	32467	Sep'25	Low Tide	32448	32634	32485	32339
	Medium Tide	32051	31925	32084	32249		Medium Tide	32232	32398	32263	32128
	High Tide	32505	32369	32535	32696		High Tide	32685	32857	32734	32569

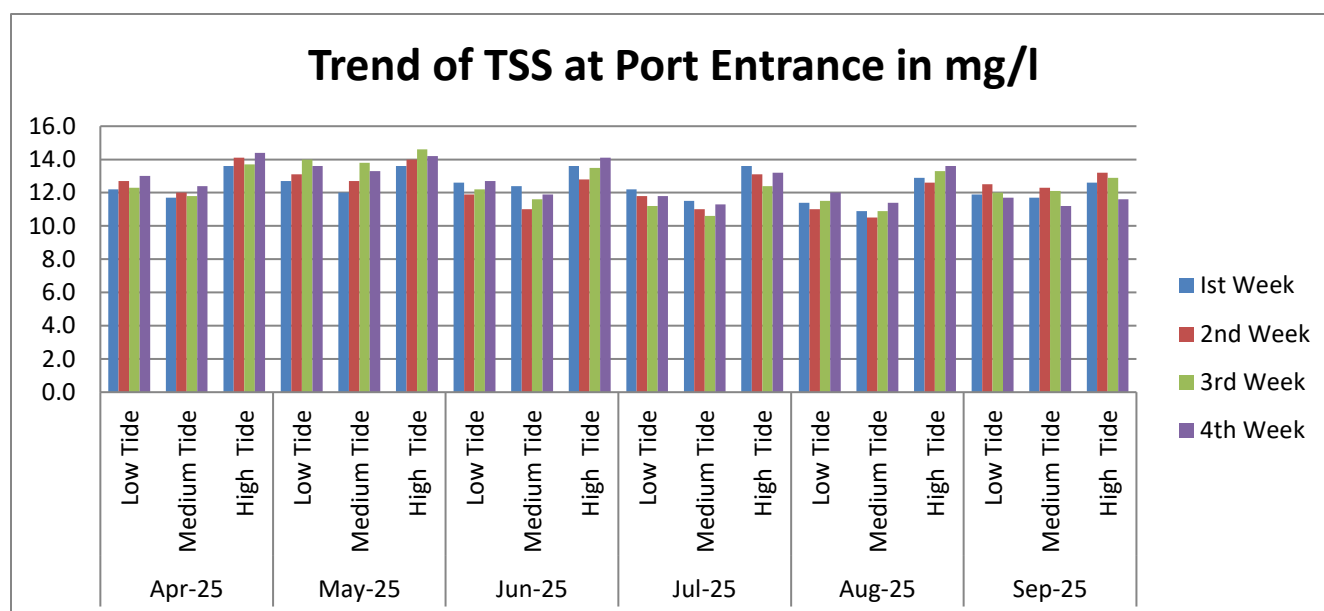


Month		Ist Week	2nd Week	3rd Week	4th Week	Month		Ist Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	33995	33867	34018	33845	July'25	Low Tide	33752	33573	33456	33658
	Medium Tide	33782	33667	33793	33639		Medium Tide	33536	33352	33235	33441
	High Tide	34246	34115	34258	34082		High Tide	33986	33817	33697	33910
May'25	Low Tide	34038	34138	34228	34050	Aug'25	Low Tide	33508	33385	33582	33768
	Medium Tide	33810	33925	34010	33836		Medium Tide	33292	33176	33365	33558
	High Tide	34274	34378	34460	34285		High Tide	33751	33630	33815	33768
June'25	Low Tide	33701	33560	33725	33889	Sep'25	Low Tide	33910	34067	33924	32806
	Medium Tide	33485	33352	33519	33672		Medium Tide	33689	33852	33724	33591
	High Tide	33936	33802	33970	34118		High Tide	34143	34301	34189	34045

Summary of TDS of Marine water quality results

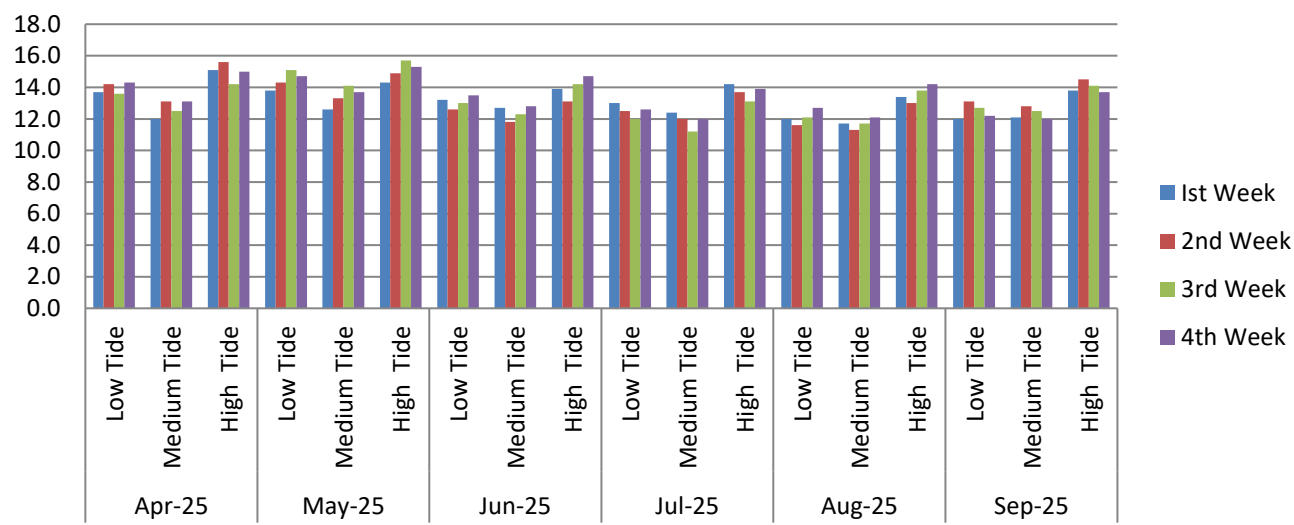
- ❖ **TDS** - Values are in the range of 31938 to 33081 mg/l at Port Entrance (Approach Channel).
- Values are in the range of 31904 to 33054 mg/l at Turning Circle
- Values are in the range of 31422 to 32966 mg/l at Coal Berth
- Values are in range of 33806 to 34460 at Reclamation Area

Status of Total Suspended Solids in Marine Water

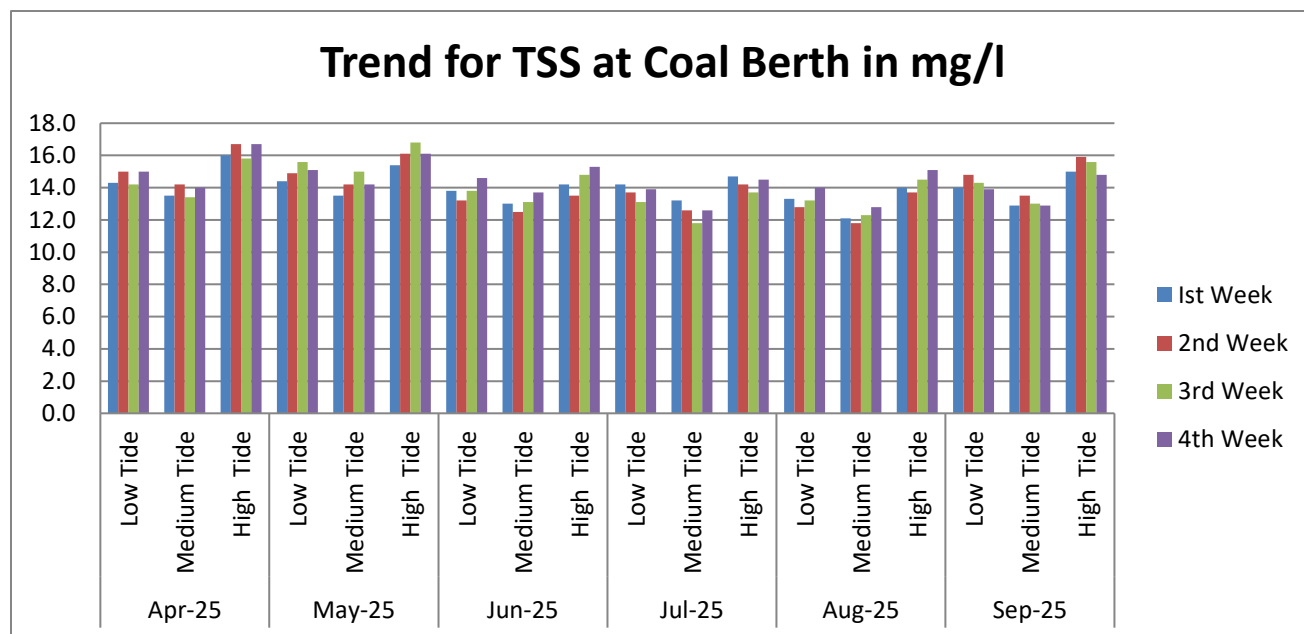


Month		1st Week	2nd Week	3rd Week	4th Week	Month		1st Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	12.2	12.7	12.3	13.0	July'25	Low Tide	12.2	11.8	11.2	11.8
	Medium Tide	11.7	12.0	11.8	12.4		Medium Tide	11.5	11.0	10.6	11.3
	High Tide	13.6	14.1	13.7	14.4		High Tide	13.6	13.1	12.4	13.2
May'25	Low Tide	12.7	13.1	14.0	13.6	Aug'25	Low Tide	11.4	11.0	11.5	12.0
	Medium Tide	12.0	12.7	13.8	13.3		Medium Tide	10.9	10.5	10.9	11.4
	High Tide	13.6	14.0	14.6	14.2		High Tide	12.9	12.6	13.3	13.6
June'25	Low Tide	12.6	11.9	12.2	12.7	Sep'25	Low Tide	11.9	12.5	12.0	11.7
	Medium Tide	12.4	11.0	11.6	11.9		Medium Tide	11.7	12.3	12.1	11.2
	High Tide	13.6	12.8	13.5	14.1		High Tide	12.6	13.2	12.9	11.6

Trend of TSS at Turning Circle in mg/l

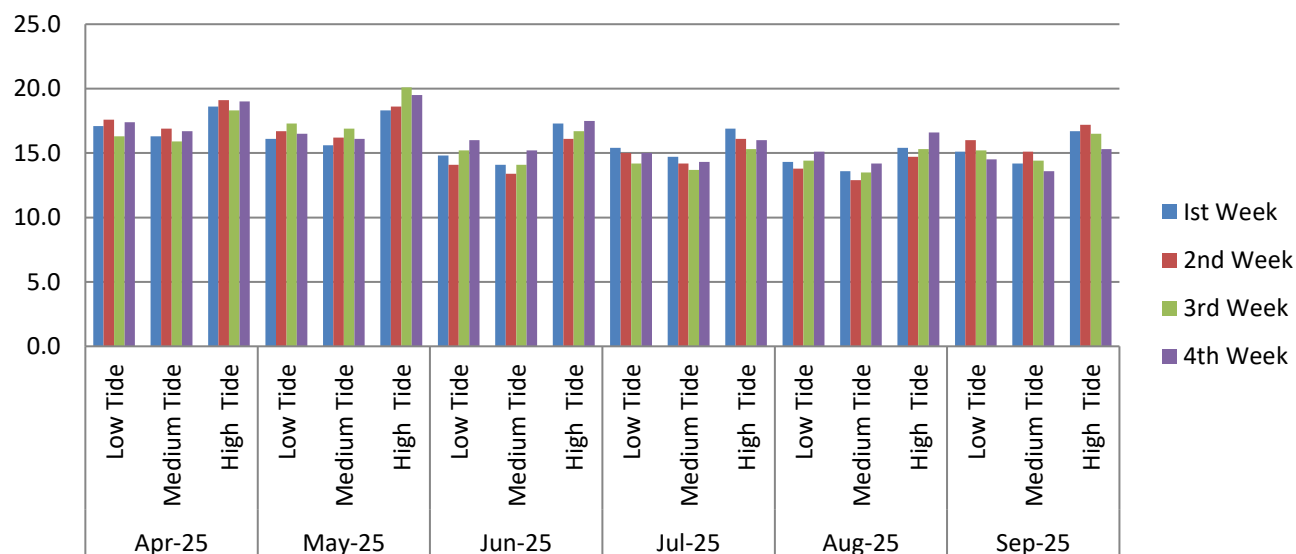


Month		1st Week	2nd Week	3rd Week	4th Week	Month		1st Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	13.7	14.2	13.6	14.3	July'25	Low Tide	13.0	12.5	12.0	12.6
	Medium Tide	12.0	13.1	12.5	13.1		Medium Tide	12.4	12.0	11.2	12.0
	High Tide	15.1	15.6	14.2	15.0		High Tide	14.2	13.7	13.1	13.9
May'25	Low Tide	13.8	14.3	15.1	14.7	Aug'25	Low Tide	12.0	11.6	12.1	12.7
	Medium Tide	12.6	13.3	14.1	13.7		Medium Tide	11.7	11.3	11.7	12.1
	High Tide	14.3	14.9	15.7	15.3		High Tide	13.4	13.0	13.8	14.2
June'25	Low Tide	13.2	12.6	13.0	13.5	Sep'25	Low Tide	12.0	13.1	12.7	12.2
	Medium Tide	12.7	11.8	12.3	12.8		Medium Tide	12.1	12.8	12.5	12.0
	High Tide	13.9	13.1	14.2	14.7		High Tide	13.8	14.5	14.1	13.7



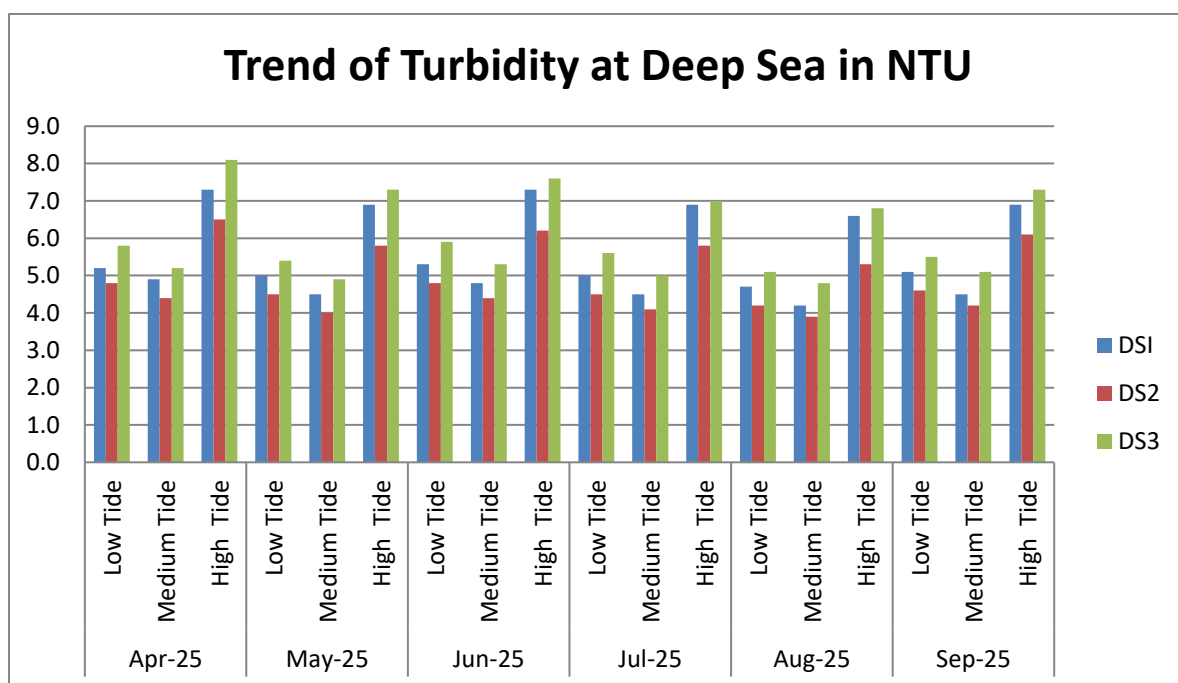
Month		Ist Week	2nd Week	3rd Week	4th Week	Month		Ist Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	14.3	15.0	14.2	15.0	July'25	Low Tide	14.2	13.7	13.1	13.9
	Medium Tide	13.5	14.2	13.4	14.0		Medium Tide	13.2	12.6	11.8	12.6
	High Tide	16.0	16.7	15.8	16.7		High Tide	14.7	14.2	13.7	14.5
May'25	Low Tide	14.4	14.9	15.6	15.1	Aug'25	Low Tide	13.3	12.8	13.2	14.0
	Medium Tide	13.5	14.2	15.0	14.2		Medium Tide	12.1	11.8	12.3	12.8
	High Tide	15.4	16.1	16.8	16.1		High Tide	14.0	13.7	14.5	15.1
June'25	Low Tide	13.8	13.2	13.8	14.6	Sep'25	Low Tide	14.0	14.8	14.3	13.9
	Medium Tide	13.0	12.5	13.1	13.7		Medium Tide	12.9	13.5	13.0	12.9
	High Tide	14.2	13.5	14.8	15.3		High Tide	15.0	15.9	15.6	14.8

Trend for TSS at Reclamation Area in mg/l

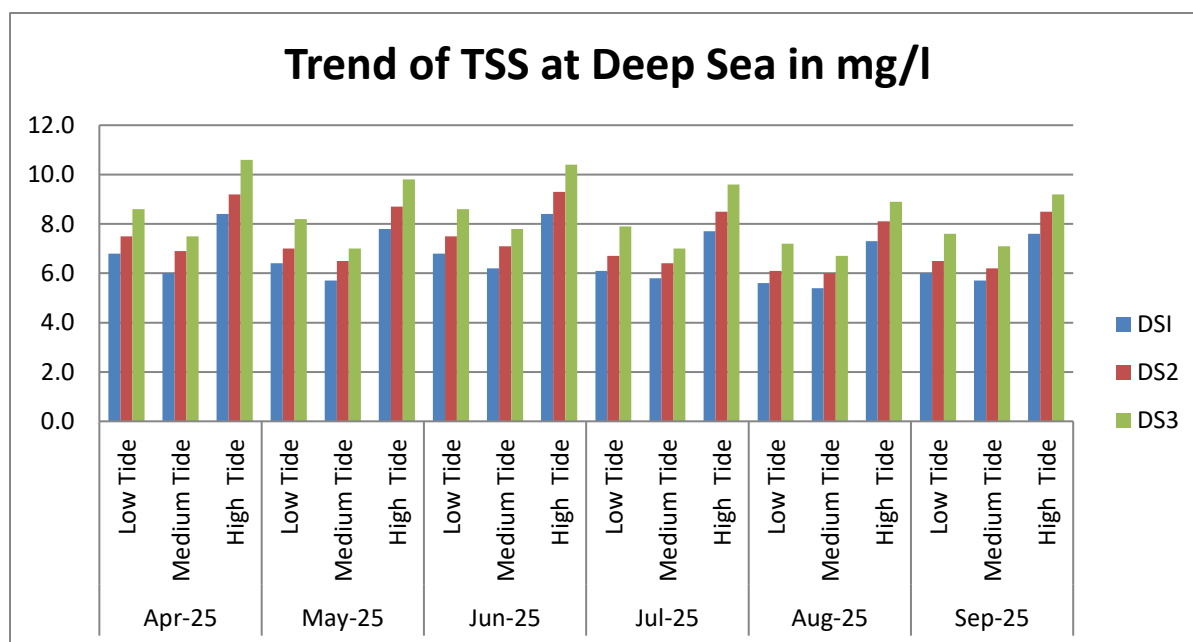


Month		1st Week	2nd Week	3rd Week	4th Week	Month		1st Week	2nd Week	3rd Week	4th Week
April'25	Low Tide	17.1	17.6	16.3	17.4	July'25	Low Tide	15.4	15.0	14.2	15.0
	Medium Tide	16.3	16.9	15.9	16.7		Medium Tide	14.7	14.2	13.7	14.3
	High Tide	18.6	19.1	18.3	19.0		High Tide	16.9	16.1	15.3	16.0
May'25	Low Tide	16.1	16.7	17.3	16.5	Aug'25	Low Tide	14.3	13.8	14.4	15.1
	Medium Tide	15.6	16.2	16.9	16.1		Medium Tide	13.6	12.9	13.5	14.2
	High Tide	18.3	18.6	20.1	19.5		High Tide	15.4	14.7	15.3	16.6
June'25	Low Tide	14.8	14.1	15.2	16.0	Sep'25	Low Tide	15.1	16.0	15.2	14.5
	Medium Tide	14.1	13.4	14.1	15.2		Medium Tide	14.2	15.1	14.4	13.6
	High Tide	17.3	16.1	16.7	17.5		High Tide	16.7	17.2	16.5	15.3

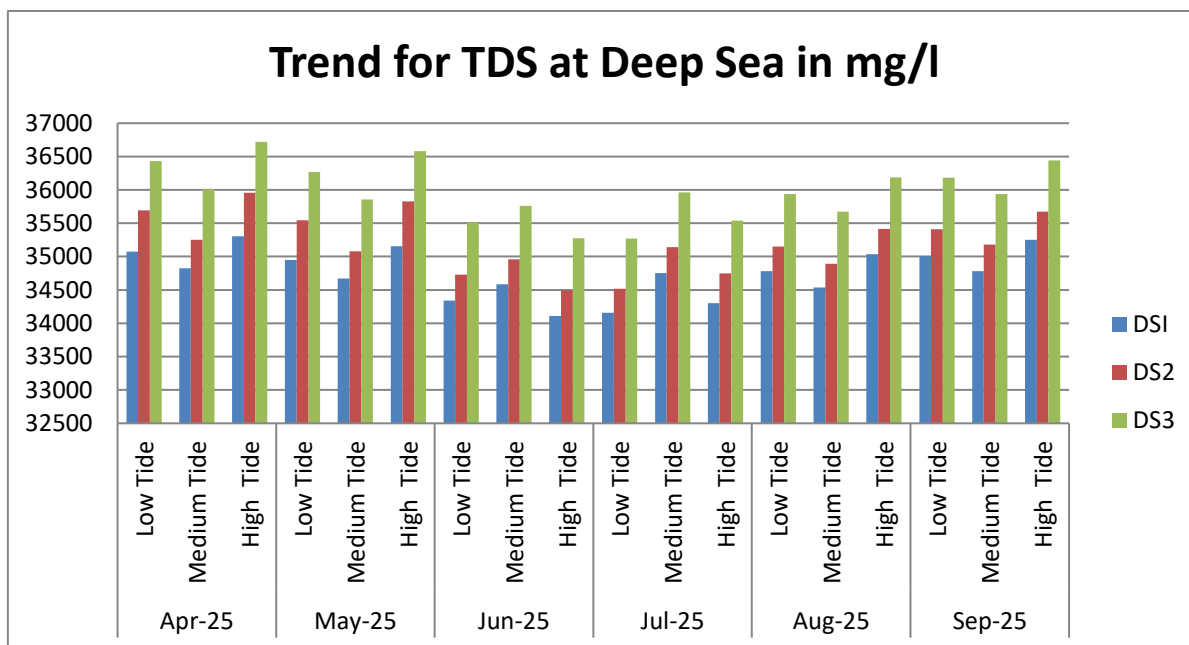
Status of Deep Sea Water Quality



Month		DSI	DS2	DS3	Month		DSI	DS2	DS3
April'25	Low Tide	5.2	4.8	5.8	July'25	Low Tide	5.0	4.5	5.6
	Medium Tide	4.9	4.4	5.2		Medium Tide	4.5	4.1	5.0
	High Tide	7.3	6.5	8.1		High Tide	6.9	5.8	7.0
May'25	Low Tide	5.0	4.5	5.4	Aug'25	Low Tide	4.7	4.2	5.1
	Medium Tide	4.5	4.0	4.9		Medium Tide	4.2	3.9	4.8
	High Tide	6.9	5.8	7.3		High Tide	6.6	5.3	6.8
June'25	Low Tide	5.3	4.8	5.9	Sep'25	Low Tide	5.1	4.6	5.5
	Medium Tide	4.8	4.4	5.3		Medium Tide	4.5	4.2	5.1
	High Tide	7.3	6.2	7.6		High Tide	6.9	6.1	7.3



Month		DSI	DS2	DS3	Month		DSI	DS2	DS3
April'25	Low Tide	6.8	7.5	8.6	July'25	Low Tide	6.1	6.7	7.9
	Medium Tide	6.0	6.9	7.5		Medium Tide	5.8	6.4	7.0
	High Tide	8.4	9.2	10.6		High Tide	7.7	8.5	9.6
May'25	Low Tide	6.4	7.0	8.2	Aug'25	Low Tide	5.6	6.1	7.2
	Medium Tide	5.7	6.5	7.0		Medium Tide	5.4	6.0	6.7
	High Tide	7.8	8.7	9.8		High Tide	7.3	8.1	8.9
June'25	Low Tide	6.8	7.5	8.6	Sep'25	Low Tide	6.0	6.5	7.6
	Medium Tide	6.2	7.1	7.8		Medium Tide	5.7	6.2	7.1
	High Tide	8.4	9.3	10.4		High Tide	7.6	8.5	9.2



Month		DSI	DS2	DS3	Month		DSI	DS2	DS3
April'25	Low Tide	35076	35692	36432	July'25	Low Tide	34156	34518	35273
	Medium Tide	34826	35252	36012		Medium Tide	34752	35142	35961
	High Tide	35304	35956	36719		High Tide	34302	34747	35540
May'25	Low Tide	34951	35546	36270	Aug'25	Low Tide	34780	35152	35936
	Medium Tide	34670	35080	35854		Medium Tide	34537	34894	35675
	High Tide	35158	35828	36581		High Tide	35038	35415	36189
June'25	Low Tide	34342	34728	35510	Sep'25	Low Tide	35008	35409	36182
	Medium Tide	34584	34960	35759		Medium Tide	34783	35180	35936
	High Tide	34110	34496	35276		High Tide	35251	35674	36443

4.6 Marine Sediment Quality

4.6.1 Sampling Locations

The Marine sediment sampling is carried out once in every week at four locations in the port listed below.

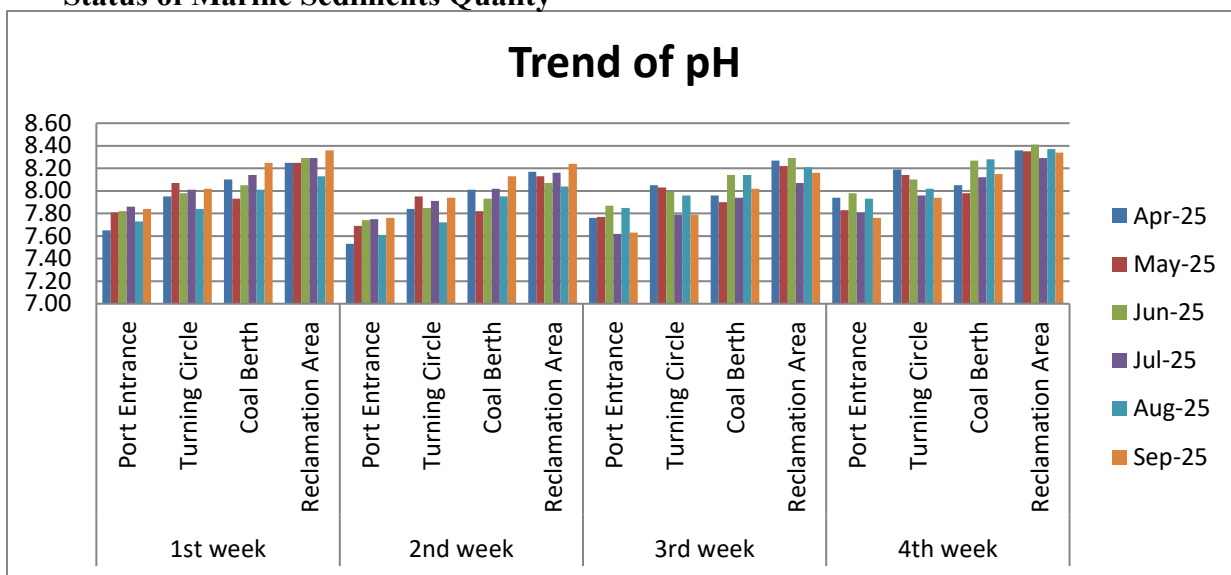
MARINE SEDIMENT MONITORING LOCATIONS

Sl.No	Location
1	Port Entrance
2	Turning Circle
3	Coal Berth
4	Reclamations Area

4.6.2 Method of Sampling

Marine sediment samples are collected using Van Veen Grab Sampler for analyzing Physical, Chemical and Biological parameters and presence of Heavy metals.

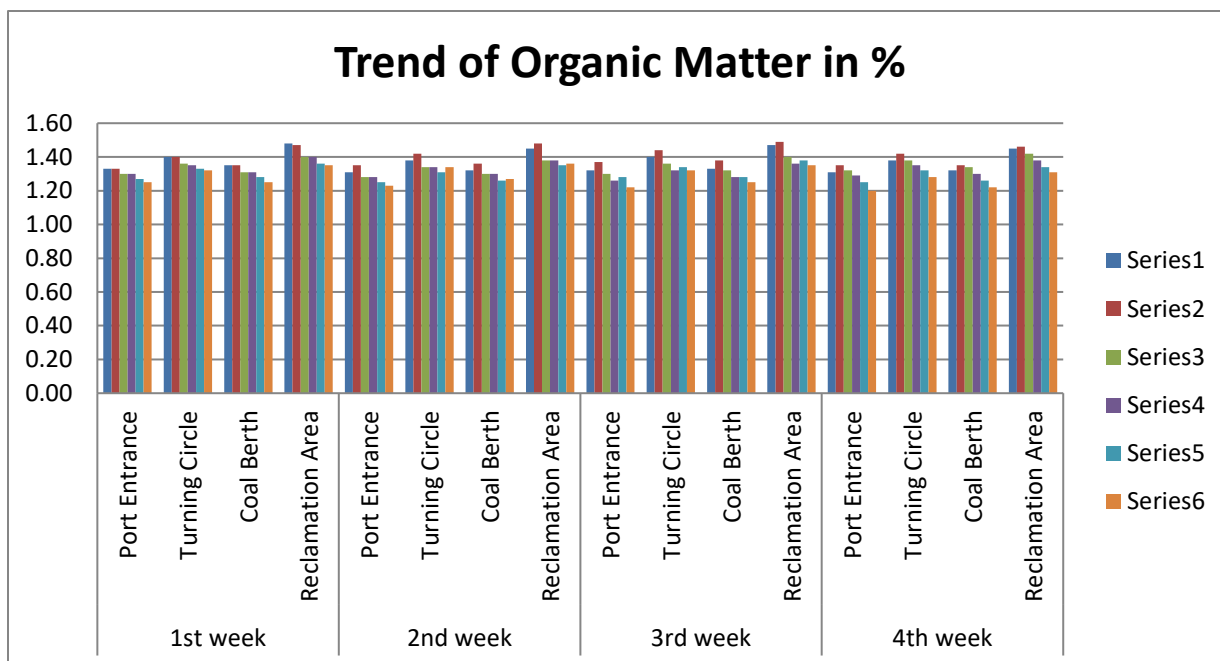
Status of Marine Sediments Quality



pH in Marine sediment varied between 7.53 to 8.41

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	7.65	7.95	8.10	8.25	7.53	7.84	8.01	8.17
May'25	7.81	8.07	7.93	8.25	7.69	7.95	7.82	8.13
June'25	7.82	7.98	8.05	8.29	7.74	7.85	7.93	8.07
July'25	7.86	8.01	8.14	8.29	7.75	7.91	8.02	8.16
Aug'25	7.73	7.84	8.01	8.13	7.61	7.72	7.95	8.04
Sep'25	7.84	8.02	8.25	8.36	7.76	7.94	8.13	8.24

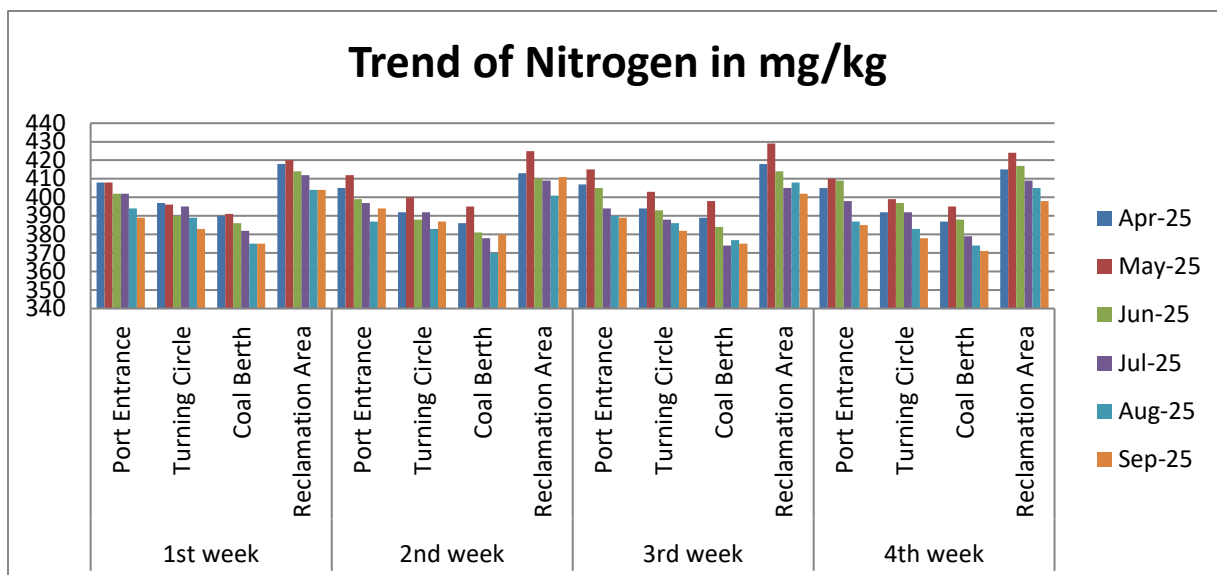
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	7.76	8.05	7.96	8.27	7.94	8.19	8.05	8.36
May'25	7.77	8.03	7.90	8.22	7.83	8.14	7.98	8.35
June'25	7.87	7.99	8.14	8.29	7.98	8.10	8.27	8.41
July'25	7.62	7.79	7.94	8.07	7.81	7.96	8.12	8.29
Aug'25	7.85	7.96	8.14	8.21	7.93	8.02	8.28	8.37
Sep'25	7.63	7.79	8.02	8.16	7.76	7.94	8.15	8.34



Organic Matter in Marine sediment varied between 1.20 to 1.49 %

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	1.33	1.40	1.35	1.48	1.31	1.38	1.32	1.45
May'25	1.33	1.40	1.35	1.47	1.35	1.42	1.36	1.48
June'25	1.30	1.36	1.31	1.40	1.28	1.34	1.30	1.38
July'25	1.30	1.35	1.31	1.40	1.28	1.34	1.30	1.38
Aug'25	1.27	1.33	1.28	1.36	1.25	1.31	1.26	1.35
Sep'25	1.25	1.32	1.25	1.35	1.23	1.34	1.27	1.36

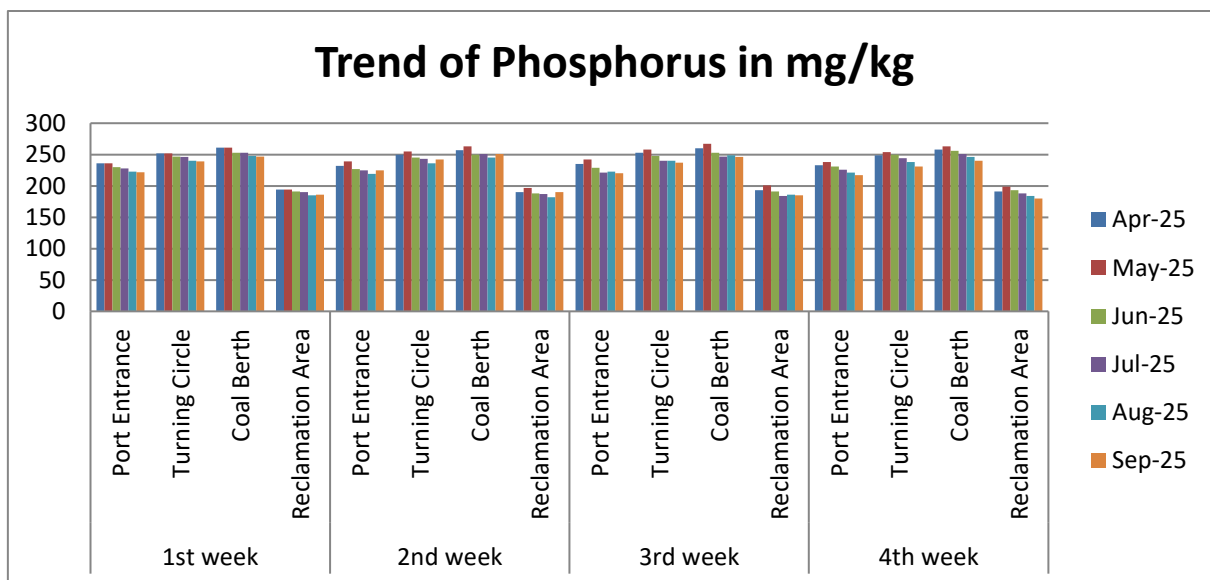
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	1.32	1.40	1.33	1.47	1.31	1.38	1.32	1.45
May'25	1.37	1.44	1.38	1.49	1.35	1.42	1.35	1.46
June'25	1.30	1.36	1.32	1.40	1.32	1.38	1.34	1.42
July'25	1.26	1.32	1.28	1.36	1.29	1.35	1.30	1.38
Aug'25	1.28	1.34	1.28	1.38	1.25	1.32	1.26	1.34
Sep'25	1.22	1.32	1.25	1.35	1.20	1.28	1.22	1.31



Nitrogen In Marine sediment varied between 370 to 429 mg/kg

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	408	397	390	418	405	392	386	413
May'25	408	396	391	420	412	400	395	425
June'25	402	390	386	414	399	388	381	410
July'25	402	395	382	412	397	392	378	409
Aug'25	394	389	375	404	387	383	370	401
Sep'25	389	383	375	404	394	387	380	411

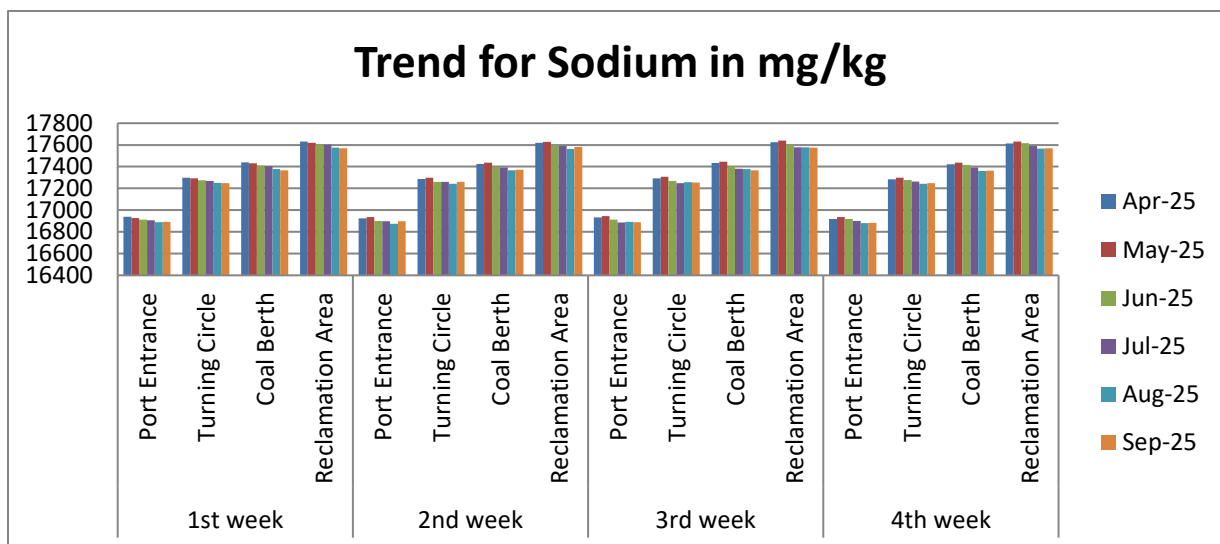
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	407	394	389	418	405	392	387	415
May'25	415	403	398	429	410	399	395	424
June'25	405	393	384	414	409	397	388	417
July'25	394	388	374	405	398	392	379	409
Aug'25	390	386	377	408	387	383	374	405
Sep'25	389	382	375	402	385	378	371	398



Phosphorous in Marine sediment varied between 180 to 267 mg/kg

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	236	252	261	194	232	250	257	190
May'25	236	252	261	194	239	255	263	197
June'25	230	247	253	191	227	245	250	188
July'25	228	246	253	190	225	243	251	187
Aug'25	223	240	248	185	219	236	245	182
Sep'25	222	239	247	186	225	242	251	190

Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	235	253	260	193	233	249	258	191
May'25	242	258	267	201	238	254	263	199
June'25	229	248	253	191	231	250	256	193
July'25	221	240	247	184	226	244	251	188
Aug'25	223	240	249	186	221	238	246	184
Sep'25	220	237	246	185	217	231	240	180

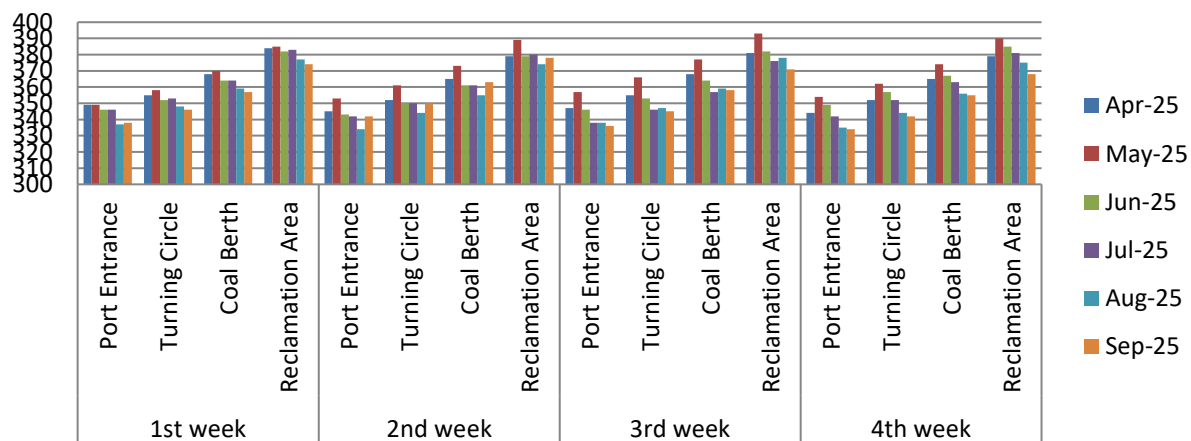


Sodium in Marine sediment varied between 16875 to 17639 mg/kg

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	16938	17299	17440	17631	16925	17286	17426	17618
May'25	16928	17292	17430	17619	16936	17298	17437	17628
June'25	16914	17275	17410	17606	16901	17260	17398	17597
July'25	16906	17268	17404	17601	16899	17260	17392	17590
Aug'25	16889	17250	17379	17576	16875	17242	17367	17563
Sep'25	16891	17248	17365	17570	16898	17260	17373	17581

Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	16932	17293	17434	17625	16920	17285	17422	17612
May'25	16944	17306	17445	17639	16936	17299	17436	17632
June'25	16912	17268	17405	17603	16920	17279	17417	17615
July'25	16887	17249	17380	17578	16901	17262	17393	17590
Aug'25	16892	17256	17378	17579	16880	17242	17361	17565
Sep'25	16890	17255	17367	17574	16882	17248	17362	17570

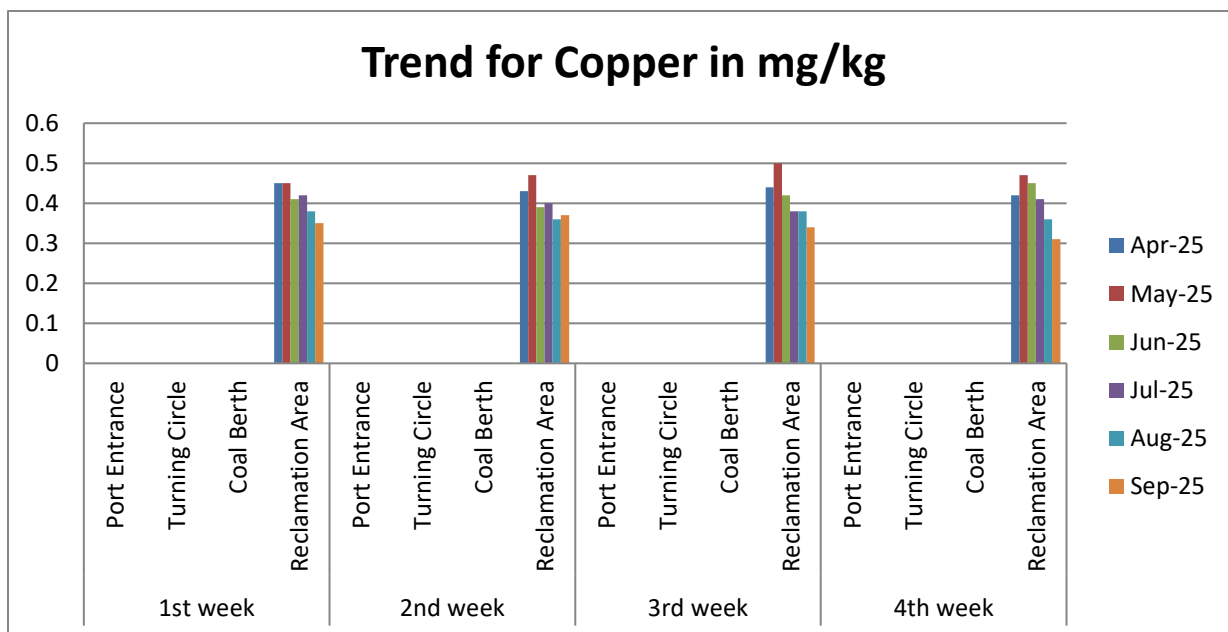
Trend for Potassium in mg/kg



Potassium in Marine sediment varied between 334 to 393 mg/kg

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	349	355	368	384	345	352	365	379
May'25	349	358	370	385	353	361	373	389
June'25	346	352	364	382	343	350	361	379
July'25	346	353	364	383	342	350	361	380
Aug'25	337	348	359	377	334	344	355	374
Sep'25	338	346	357	374	342	350	363	378

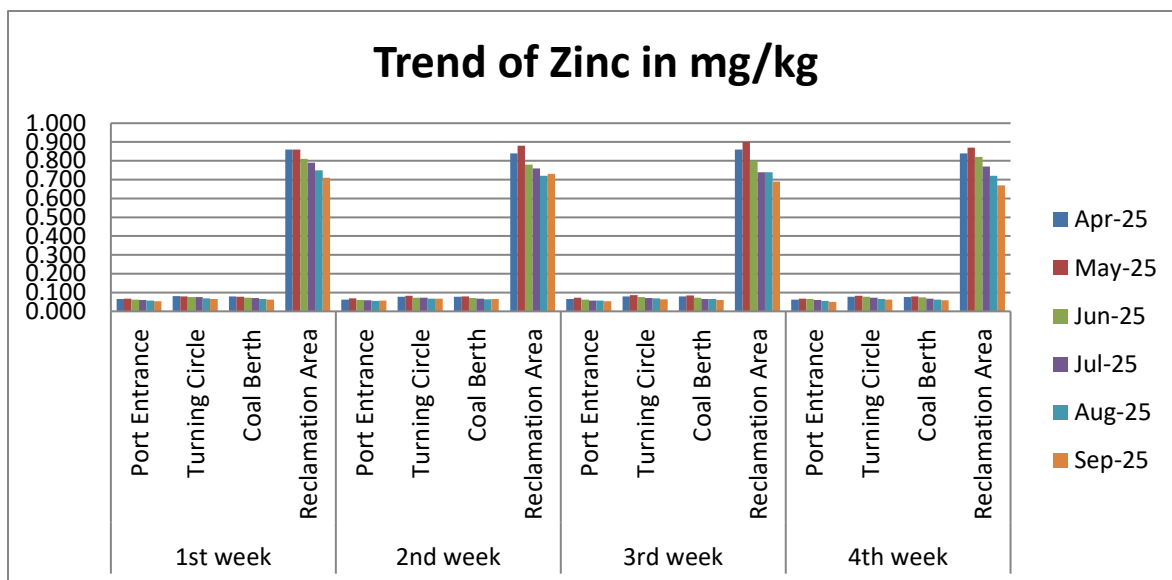
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	347	355	368	381	344	352	365	379
May'25	357	366	377	393	354	362	374	390
June'25	346	353	364	382	349	357	367	385
July'25	338	346	357	376	342	352	363	381
Aug'25	338	347	359	378	335	344	356	375
Sep'25	336	345	358	371	334	342	355	368



Copper in Marine Sediment varied between 0.31 to 0.50 mg/kg

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	< 0.01	< 0.01	< 0.01	0.45	< 0.01	< 0.01	< 0.01	0.43
May'25	< 0.01	< 0.01	< 0.01	0.45	< 0.01	< 0.01	< 0.01	0.47
June'25	< 0.01	< 0.01	< 0.01	0.41	< 0.01	< 0.01	< 0.01	0.39
July'25	< 0.01	< 0.01	< 0.01	0.42	< 0.01	< 0.01	< 0.01	0.40
Aug'25	< 0.01	< 0.01	< 0.01	0.38	< 0.01	< 0.01	< 0.01	0.36
Sep'25	< 0.01	< 0.01	< 0.01	0.35	< 0.01	< 0.01	< 0.01	0.37

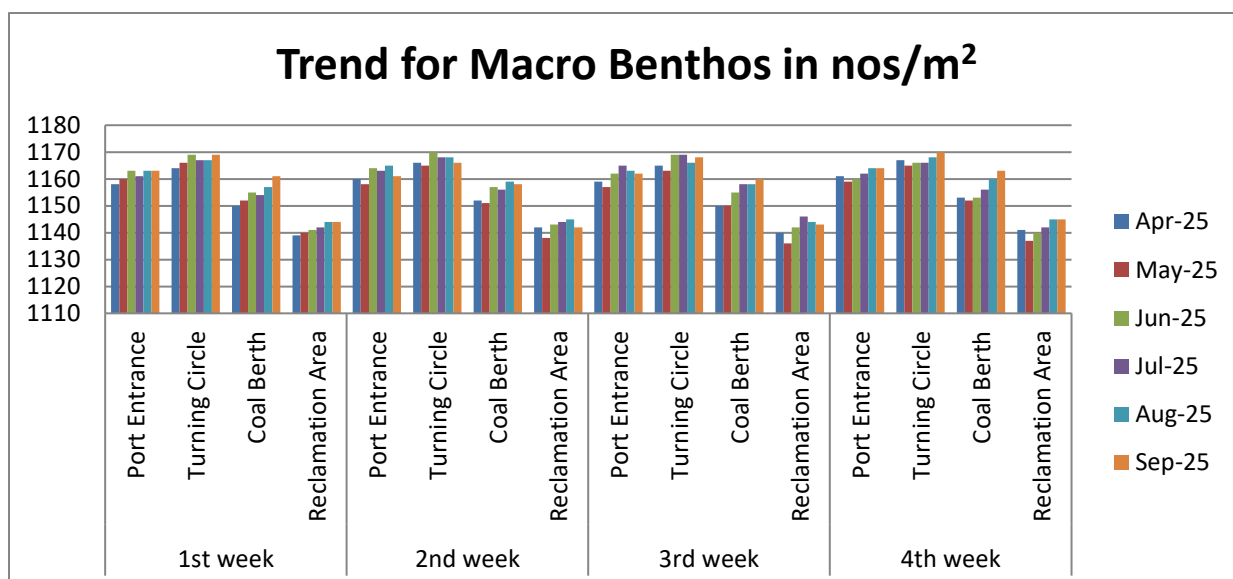
Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	< 0.01	< 0.01	< 0.01	0.44	< 0.01	< 0.01	< 0.01	0.42
May'25	< 0.01	< 0.01	< 0.01	0.50	< 0.01	< 0.01	< 0.01	0.47
June'25	< 0.01	< 0.01	< 0.01	0.42	< 0.01	< 0.01	< 0.01	0.45
July'25	< 0.01	< 0.01	< 0.01	0.38	< 0.01	< 0.01	< 0.01	0.41
Aug'25	< 0.01	< 0.01	< 0.01	0.38	< 0.01	< 0.01	< 0.01	0.36
Sep'25	< 0.01	< 0.01	< 0.01	0.34	< 0.01	< 0.01	< 0.01	0.31



Zinc in Marine sediment varied between 0.05 to 0.90 mg/kg

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	0.066	0.081	0.079	0.860	0.063	0.078	0.077	0.840
May'25	0.067	0.080	0.078	0.860	0.069	0.083	0.080	0.880
June'25	0.062	0.075	0.073	0.810	0.060	0.072	0.070	0.780
July'25	0.061	0.075	0.071	0.790	0.059	0.072	0.067	0.760
Aug'25	0.057	0.069	0.066	0.750	0.055	0.067	0.064	0.720
Sep'25	0.054	0.065	0.063	0.710	0.057	0.068	0.065	0.730

Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	0.065	0.080	0.079	0.860	0.063	0.077	0.076	0.840
May'25	0.072	0.086	0.084	0.900	0.068	0.082	0.080	0.870
June'25	0.063	0.075	0.072	0.800	0.065	0.077	0.074	0.820
July'25	0.057	0.070	0.065	0.740	0.060	0.072	0.068	0.770
Aug'25	0.057	0.069	0.065	0.740	0.055	0.066	0.063	0.720
Sep'25	0.053	0.064	0.061	0.690	0.050	0.062	0.058	0.670



Macro Benthos in Marine Sediment varied between 1136 to 1170 nos/m²

Month	1st Week				2nd Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	1158	1164	1150	1139	1160	1166	1152	1142
May'25	1160	1166	1152	1140	1158	1165	1151	1138
June'25	1163	1169	1155	1141	1164	1170	1157	1143
July'25	1161	1167	1154	1142	1163	1168	1156	1144
Aug'25	1163	1167	1157	1144	1165	1168	1159	1145
Sep'25	1163	1169	1161	1144	1161	1166	1158	1142

Month	3rd Week				4th Week			
	Port Entrance	Turning Circle	Coal Berth	Reclamation Area	Port Entrance	Turning Circle	Coal Berth	Reclamation Area
April'25	1159	1165	1150	1140	1161	1167	1153	1141
May'25	1157	1163	1150	1136	1159	1165	1152	1137
June'25	1162	1169	1155	1142	1160	1166	1153	1140
July'25	1165	1169	1158	1146	1162	1166	1156	1142
Aug'25	1163	1166	1158	1144	1164	1168	1160	1145
Sep'25	1162	1168	1160	1143	1164	1170	1163	1145

Summary of marine sediments quality results for Six months of April'25 – September'25

- Organic matter - value are in the range 1.20 to 1.49 %
- Nitrogen -value are in the range 370 to 429 mg/kg
- Phosphorous - value are in the range 180 to 267 mg/kg
- Sodium - value are in the range 16875 to 17639 mg/kg
- Potassium - value are in the range 334 to 393 mg/kg
- Copper - value are in the range 0.31 to 0.50 mg/kg
- Zinc -value are in the range 0.050 to 0.90 mg/kg
- Macro Benthos - value are in the range 1136 to 1178 nos/m²

TEST REPORT OF GROUND WATER SAMPLES**DATE OF COLLECTION** : 19-09-2025

S. No.	Parameter	Unit	Port Site (Bore Well)	Krishnapatnam Village	South Side of the Port	Gopalpuram Village	IS: 10500-2012 Specification
1.	pH	--	7.21	7.19	7.53	7.02	6.5 – 8.5
2	Electrical Conductivity	µmhos	1136	1208	1492	1318	-
3	TDS	mg/l	756	724	878	797	500
4	Total Alkalinity as CaCO ₃	mg/l	297	244	316	279	200
5	Chlorides as Cl ⁻	mg/l	313	289	364	214	250
6	Sodium	mg/l	167	134	121	107	-
7	Potassium	mg/l	38.3	22.1	24.8	10.1	-
8	Fluorides as F ⁻	mg/l	0.44	0.41	0.53	0.40	1.0
9	Nitrates as NO ₃ ⁻	mg/l	2.95	4.62	3.58	4.11	45
10	Cyanide as CN	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	0.05
11	Total Hardness as CaCO ₃	mg/l	113	133	167	125	200
12	Salinity	ppt	0.56	0.52	0.66	0.38	-
13	Sulphates as SO ₄ ⁻²	mg/l	83.6	61.4	64.8	73.5	200
14	COD	mg/l	< 10.0	< 10.0	< 10.0	< 10.0	-
15	Mercury as Hg	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	0.001
16	Cadmium as Cd	mg/l	< 0.001	< 0.001	< 0.001	< 0.001	0.003
17	Arsenic as As	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	0.01
18	Selenium	mg/l	< 0.05	< 0.05	< 0.05	< 0.05	-
19	Iron as Fe	mg/l	0.04	0.01	0.05	0.09	0.3
20	Lead as Pb	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	0.01
21	Zinc as Zn	mg/l	0.08	0.03	0.01	0.05	5.0
22	Chromium as Cr ⁶⁺	mg/l	< 0.01	< 0.01	< 0.01	< 0.01	0.05
23	Total Coliforms	CFU/ml	Not Detected	Not Detected	Not Detected	Not Detected	Shall not be detected in 100ml
24	Fecal Coliforms	CFU/ml	Not Detected	Not Detected	Not Detected	Not Detected	Shall not be detected in 100ml

Note: All the above parameters have been tested as per APHA 24th Edition, 2023.

4.8 SOIL QUALITY

For studying soil profile of the region, sampling locations are selected to assess the existing soil characteristics in and around the port area representing various land use conditions.

4.8.1 Sampling Locations

A total two number of samples collected from the sampling sites. The details of the soil sampling locations are given below.

The soil samples are collected and analyzed once in six months.

SOIL QUALITY MONITORING LOCATIONS

Location Code	Name of the Location
S1	Storage area towards west Buckingham Canal
S2	Storage Area at Port

TEST REPORT OF SOIL SAMPLES**DATE OF COLLECTION** : 19-09-2025

S. NO.	PARAMETER	UNIT	S1	S2
1.	pH(1:5)	--	7.64	7.35
2.	EC(1:5)	µmhos	492	544
3.	Texture			
	a. Sand	%	54.4	49.4
	b. Silt	%	21.1	18.8
	c. Clay	%	24.5	31.8
4	Available Nitrogen	kg/ha	186	206
5	Available Phosphorus	kg/ha	17	15
6	Available Potassium	kg/ha	411	489
7	Exchangeable Sodium	mg/kg	194	172
8	Exchangeable Calcium	mg/kg	98.6	118
9	Exchangeable Magnesium	mg/kg	21.1	32.6
10	SAR (SAR)	-	2.02	1.68
11	Water Soluble Chlorides	mg/kg	124	151
12	Organic Carbon	%	0.24	0.33
13	Lead	mg/kg	4.6	5.5
14	Cadmium	mg/kg	0.11	0.05
15	Copper	mg/kg	6.8	6.8
16	Zinc	mg/kg	5.5	7.4

4.9 STP INLET AND OUTLET ANALYSIS

Frequency: STP Inlet and Outlet samples are collected monthly once.

TEST REPORT OF STP INLET – 500KLD

S.No	Parameter	Unit	April'25	May'25	June'25	July'25	Aug'25	Sep'25
1	pH	-	7.33	7.51	7.25	7.12	6.96	7.14
2	Total Suspended Solids	mg/l	120	133	127	120	108	114
3	COD	mg/l	-	-	315	290	260	240
4	BOD 3day 27°C	mg/l	114	119	110	105	98	90
5	Oil & Grease	mg/l	5.0	6.0	4.0	3.0	2.0	2.5
6	Fecal coliform	MPN/100ml	15X10 ³	17X10 ³	13X10 ³	11X10 ³	09X10 ³	11X10 ³

TEST REPORT OF STP OUTLET – 500KLD

S.No	Parameter	Unit	April'25	May'25	June'25	July'25	Aug'25	Sep'25
1	pH	-	7.49	7.68	7.45	7.23	7.15	7.61
2	Total Suspended Solids	mg/l	43.0	50.0	45.0	40.0	34.0	28.0
3	COD	mg/l	-	-	92.0	70.0	60.0	40.0
4	BOD 3day 27°C	mg/l	26.0	28.0	24.0	20.0	18.0	11.0
5	Oil & Grease	mg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
6	Fecal coliform	MPN/100ml	250	280	220	180	140	70

TEST REPORT OF STP INLET – 40KLD

S.No	Parameter	Unit	April'25	May'25	June'25	July'25	Aug'25	Sep'25
1	pH	-	7.95	7.73	7.61	7.46	7.32	7.0
2	Total Suspended Solids	mg/l	96.0	102	93.0	86.0	80.0	98.0
3	COD	mg/l	-	-	298	260	230	110
4	BOD 3day 27°C	mg/l	106	113	102	95.0	86.0	48.0
5	Oil & Grease	mg/l	4.0	5.0	3.0	2.0	1.0	1.5
6	Fecal coliform	MPN/100ml	13X10 ³	15X10 ³	10X10 ³	08X10 ³	06X10 ³	06X10 ³

TEST REPORT OF STP OUTLET – 40KLD

S.No	Parameter	Unit	April'25	May'25	June'25	July'25	Aug'25	Sep'25
1	pH	-	7.45	7.59	7.37	7.15	7.03	7.34
2	Total Suspended Solids	mg/l	19.0	23.0	18.0	14.0	10.0	8.0
3	COD	mg/l	-	-	83.0	60.0	50.0	24.0
4	BOD 3day 27°C	mg/l	23.0	26.0	22.0	18.0	15.0	8.0
5	Oil & Grease	mg/l	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
6	Fecal coliform	MPN/100ml	180	220	170	140	90	40

5.0 STACK EMISSION MONITORING

Sampling of Flue gas emissions of DG Sets was done and their emissions were determined. The Detailed report has been enclosed here.

SAMPLE PARTICULARS : DG SET EMISSION

SOURCE OF COLLECTION : 1) 380 KVA DG SET (Port Admin Building)
2) 250 KVA DG SET (SS - 2)
3) 320 KVA DG SET (Admin Block)
4) DG SET (SS-1)
5) 320 KVA DG SET (GUEST HOUSE)

DATE OF MONITORING : 19-09-2025

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT				
			1	2	3	4	5
1.	Diameter of the Stack	mts	0.16	0.16	0.16	0.16	0.16
2.	C/s Area of Stack	sq.mt	0.02	0.02	0.02	0.02	0.02
3.	Pitot Coefficient	-	0.87	0.87	0.87	0.87	0.87
4.	Sp: gravity of Fluid	-	1.0	1.0	1.0	1.0	1.0
5.	Temperature @ DGM	⁰ C	31	31	32	32	33
6.	Stack temperature	⁰ C	141	114	136	131	139
7.	Nozzle Diameter	mm	10	10	10	10	10
8.	Exit Velocity	m/sec	11.6	10.7	13.2	10.5	12.2
9.	Gas Quantity	m ³ /hr	835	770	950	756	878
10.	Duration of Sampling	minutes	30	30	30	30	30
11.	Fuel used	-	Diesel				

EMISSION RATE

S.NO.	PARAMETER	UNIT	METHOD	RESULT				
				1	2	3	4	5
1.	Particulate Matter – PM	g/kw-hr	IS:11255-P-1	0.13	0.05	0.13	0.15	0.13
2.	Oxides of Nitrogen – NOx	g/kw-hr	IS:11255-P-2	0.86	0.69	1.12	0.86	0.87
3.	Carbon Monoxide – CO	g/kw-hr	IS:11255-P-7	0.39	0.41	0.45	0.33	0.44
4.	Hydrocarbons - HC	g/kw-hr	IS:11255	0.15	0.07	0.15	0.05	0.12

SAMPLE PARTICULARS : DG SET EMISSION

SOURCE OF COLLECTION : 6) 250 KVA DG SET (GUEST HOUSE)
7) 250 KVA DG SET (GARRAGE)
8) 500 KVA DG SET (NCT – 1)
9) 125 KVA DG SET (LIQUID JETTY - L4)

DATE OF START : 19-03-2025

TEST REPORT

S.No.	DESCRIPTION	UNIT	RESULT			
			6	7	8	9
1.	Diameter of the Stack	mts	0.16	0.16	0.16	0.16
2.	C/s Area of Stack	sq.mt	0.02	0.02	0.02	0.02
3.	Pitot Coefficient	-	0.87	0.87	0.87	0.87
4.	Sp: gravity of Fluid	-	1.0	1.0	1.0	1.0
5.	Temperature @ DGM	⁰ C	34	34	33	30
6.	Stack temperature	⁰ C	119	116	146	108
7.	Nozzle Diameter	mm	10	10	10	10
8.	Exit Velocity	m/sec	9.6	10.3	13.8	9.8
9.	Gas Quantity	m ³ /hr	691	741	993	705
10.	Duration of Sampling	minutes	30	30	30	30
11.	Fuel used	-	Diesel			

EMISSION RATE

S.NO.	PARAMETER	UNIT	METHOD	6	7	8	9
1.	Particulate Matter – PM	g/kw-hr	IS:11255-P-1	0.13	0.12	0.19	0.07
2.	Oxides of Nitrogen – NOx	g/kw-hr	IS:11255-P-2	0.65	0.98	0.95	0.51
3.	Carbon Monoxide – CO	g/kw-hr	IS:11255-P-7	0.33	0.43	0.44	0.29
4.	Hydrocarbons - HC	g/kw-hr	IS:11255	0.06	0.14	0.10	0.04

ANNEXURES

ANNEXURE1

NATIONAL AMBIENT AIR QUALITY STANDARDS
CENTRAL POLLUTION CONTROL BOARD

NOTIFICATION

New Delhi, the 18th November, 2009

No.B-29016/20/90/PCI-L—In exercise of the powers conferred by Sub-section (2) (h) of section 16 of the Air (Prevention and Control of Pollution) Act, 1981 (Act No. 14 of 1981), and in super session of the Notification No(s). S.O. 384(E), dated 11th April, 1994 and S.O. 935(E), dated 14th October, 1998, the Central Pollution Control Board hereby notify the National Ambient Air Quality Standards with immediate effect, namely:-

NATIONAL AMBIENT AIR QUALITY STANDARDS

S. No.	Pollutant	Time Weighted average	Concentration in Ambient Air		Methods of Measurement
			Industrial, Residential, Rural and Other Area	Ecologically sensitive area (notified by Central Govt.)	
(1)	(2)	(3)	(4)	(5)	(6)
1	Sulphur Dioxide (SO ₂), µg/m ³	Annual*	50	20	- Improved West and Geake - Ultraviolet fluorescence
		24 hours**	80	80	
2	Nitrogen Dioxide (NO ₂), µg/m ³	Annual*	40	30	- Modified Jacob & Hochheiser (Na-Arsenite) - Chemiluminescence
		24 hours**	80	80	
3	Particulate Matter (size less than 10 µm) or PM ₁₀ , µg/m ³	Annual*	60	60	- Gravimetric - TOEM - Beta attenuation
		24 hours**	100	100	
4	Particulate Matter (size less than 2.5 microns) or PM _{2.5} , µg/m ³	Annual*	40	40	- Gravimetric - TOEM - Beta attenuation
		24 hours**	60	60	
5	Ozone (O ₃), µg/m ³	8 hours **	100	100	- UV photometric - Chemiluminescence - Chemical method
		1 hour **	180	180	
6	Lead (Pb) µg/m ³	Annual*	0.5	0.5	- ASS / ICP method after sampling on EPM 2000 or equivalent filter paper - ED - XRF using
		24 hours**	1.0	1.0	
7	Carbon Monoxide (CO) mg/m ³	8 hours**	2	2	Non Dispersive Infra RED (NDIR) Spectroscopy
		1 hour**	4	4	
8	Ammonia (NH ₃), µg/m ³	Annual*	100	100	- Chemiluminescence - Indophenol blue method
		24 hours**	400	400	
9	Benzene (C ₆ H ₆), µg/m ³	Annual*	5	5	- Gas chromatography based continuous analyser - Adsorption and desorption followed by GC analysis
10	Benzo (a) Pyrene (BaP) – particulate phase only ng/m ³	Annual*	1	1	Solvent extraction followed by HPLC / GC analysis
11	Arsenic (As) ng/m ³	Annual*	6	6	AAS / ICP method after sampling on EPM 2000 or equivalent filter paper
12	Nickel (Ni) ng/m ³	Annual*	20	20	AAS / ICP method after sampling on EPM 2000 or equivalent filter paper

* Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.

** 24 hourly or 8 hourly or 1 hourly monitored values, 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.

Note: Whenever and wherever monitoring results on two consecutive days of monitoring exceed the limits specified above for the respective category, it shall be considered adequate reason to institute regular or continuous monitoring and further investigation.

PHOTOGRAPHS

AMBIENT AIR QUALITY SAMPLING LOCATIONS

Thamminapatnam village	Gopalpuram village
 GPS Map Camera Gummalladibba, Andhra Pradesh, India 🇮🇳 64m4xv, Gummalladibba, Andhra Pradesh 524412, India Lat 14.224623° Long 80.106583° 18/09/2025 12:55 PM GMT +05:30	 GPS Map Camera Gopalpuram, Andhra Pradesh, India 🇮🇳 7d5s+82s, Mydukur - Krishnapatnam Rd, Gopalpuram, Andhra Pradesh 524344, India Lat 14.270898° Long 80.306353° 17/09/2025 10:48 AM GMT +05:30
Chalivendram	Krishnapatnam MD Colony
 GPS Map Camera Sri Potti Srinamulu Nellore, Andhra Pradesh, India 🇮🇳 Room No: 491 Kaps Building, Krishnapatnam Port, Mulukur Mandal, Andhra Pradesh 524323, India, Sri Potti Srinamulu Nellore, Andhra Pradesh 524323, India Lat 14.273089° Long 80.094189° 18/09/2025 04:32 PM GMT +05:30	

AMBIENT AIR QUALITY SAMPLING LOCATIONS

New Light House	Zero Point
	
Amenities Complex (CVR)	
	

NOISE MONITORING LOCATIONS

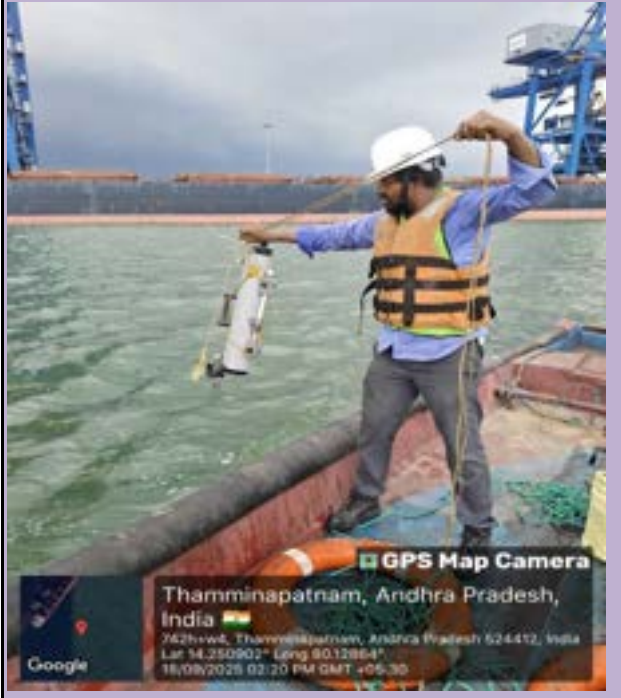
Thamminapatnam village	Gopalpuram village
 GPS Map Camera Thamminapatnam, Andhra Pradesh, India 🇮🇳 84(2)+998, Thamminapatnam, Andhra Pradesh 524412, India Lat 14.231736° Long 80.101354° 18/09/2025 01:48 PM GMT +05:30	 GPS Map Camera Gopalpuram, Andhra Pradesh, India 🇮🇳 74(5)+824, Mysukur - Krishnapatnam Rd, Gopalpuram, Andhra Pradesh 524344, India Lat 14.280355° Long 80.156846° 17/09/2025 10:55 AM GMT +05:30
Chalivendram	Krishnapatnam
 GPS Map Camera Sri Potti Sriramulu Nellore, Andhra Pradesh, India 🇮🇳 50(4) St, Andhra Pradesh 524323, India, Sri Potti Sriramulu Nellore, Andhra Pradesh 524323, India Lat 14.377447° Long 80.090208° 18/09/2025 05:43 PM GMT +05:30	 GPS Map Camera Krishnapatnam, Andhra Pradesh, India 🇮🇳 74(gh)+g27, Krishnapatnam, Andhra Pradesh 524344, India Lat 14.380024° Long 80.127228° 17/09/2025 11:58 AM GMT +05:30

Zero Point	CVR
 GPS Map Camera Narikellapalle, Andhra Pradesh, India Cnr Complex Rd, Narikellapalle, Andhra Pradesh 524323, India Lat 14.269266° Long 80.076241° 18/09/2025 01:30 PM GMT +05:30	 GPS Map Camera Gopalpuram, Andhra Pradesh, India 23Fmrs7 Cnr Complex, Gopalpuram, Andhra Pradesh 524323, India Lat 14.275418° Long 80.099987° 18/09/2025 03:50 PM GMT +05:30

STP SAMPLING LOCATIONS

STP INLET CVR-1	STP OUTLET CVR-1
 GPS Map Camera Gopalpuram, Andhra Pradesh, India 728x+vx7 Cvr Complex, Gopalpuram, Andhra Pradesh 524323, India Lat 14.275886° Long 80.099257° 18/09/2025 03:40 PM GMT +05:30	 GPS Map Camera Gopalpuram, Andhra Pradesh, India 728x+vx7 Cvr Complex, Gopalpuram, Andhra Pradesh 524323, India Lat 14.276211° Long 80.099533° 18/09/2025 03:36 PM GMT +05:30
STP INLET CVR-2	STP OUTLET CVR-2
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MARINE & SEDIMENT SAMPLING LOCATIONS

MARINE SAMPLING TURNING CIRCLE	SEDIMENT SAMPLING TURNING CIRCLE
 GPS Map Camera Thamminapatnam, Andhra Pradesh, India Thamminapatnam, Andhra Pradesh 524412, India Lat 14.246766° Long 80.128205° 18/09/2025 02:13 PM GMT +05:30	 GPS Map Camera Thamminapatnam, Andhra Pradesh, India Thamminapatnam, Andhra Pradesh 524412, India Lat 14.247292° Long 80.127786° 18/09/2025 02:09 PM GMT +05:30
MARINE SAMPLING COAL BERTH	SEDIMENT SAMPLING COAL BERTH
 GPS Map Camera Thamminapatnam, Andhra Pradesh, India 742h+w4, Thamminapatnam, Andhra Pradesh 524412, India Lat 14.250902° Long 80.12864° 18/09/2025 02:20 PM GMT +05:30	 GPS Map Camera Thamminapatnam, Andhra Pradesh, India 742h+w4, Thamminapatnam, Andhra Pradesh 524412, India Lat 14.250702° Long 80.128611° 18/09/2025 02:18 PM GMT +05:30
MARINE SAMPLING APPROACH CHANNEL	SEDIMENT SAMPLING APPROACH CHANNEL



MARINE SAMPLING COAL BERTH



SEDIMENT SAMPLING COAL BERTH

DG STACK MONITORING LOCATIONS

DG SET SS-1



DG SET – ADMIN AREA

DG SET NEAR BERTH NO-3



DG SET – SOUTH SIDE 1

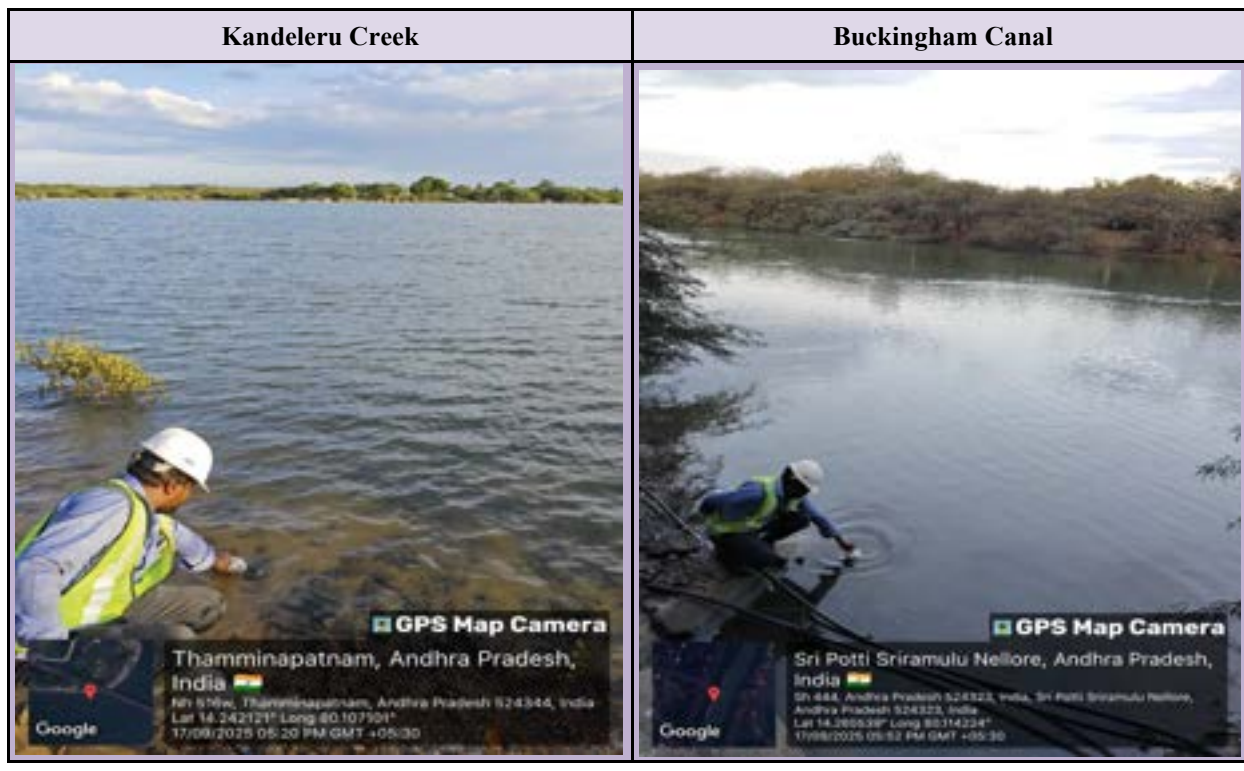


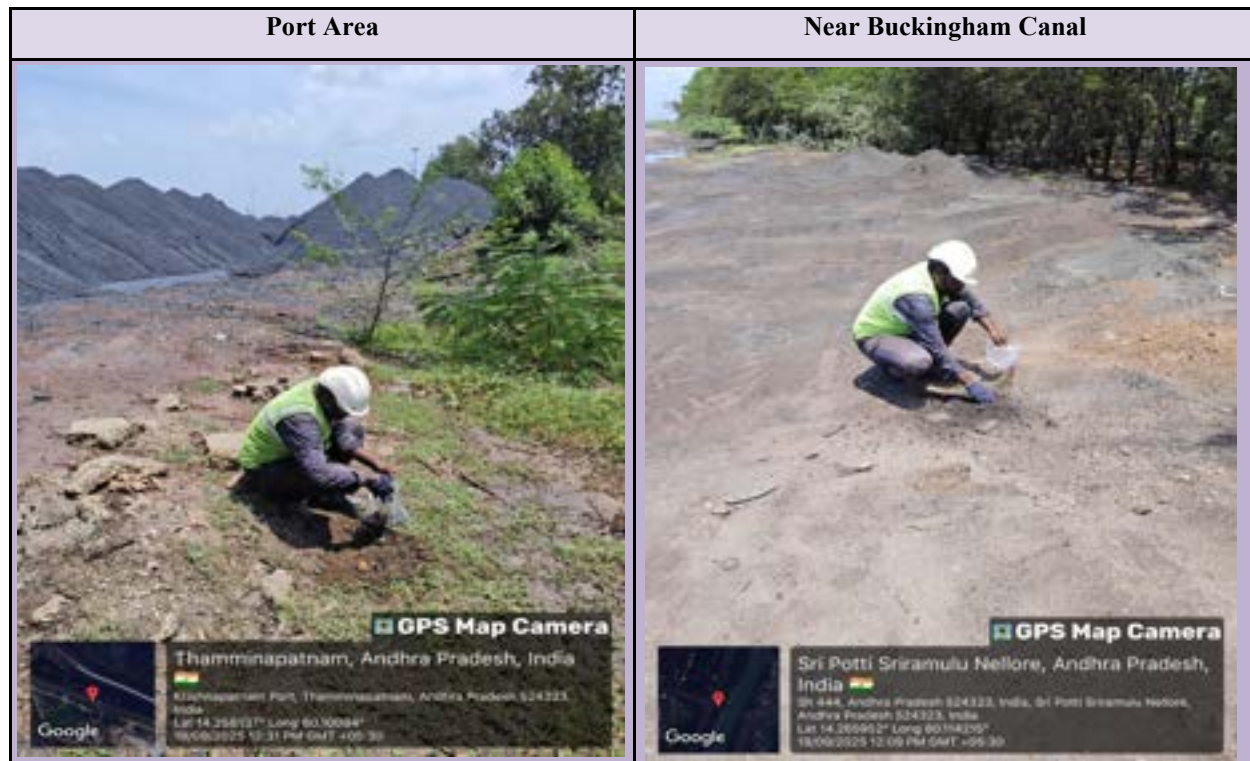
BORE WATER SAMPLING LOCATIONS





SURFACE WATER SAMPLING LOCATIONS





adaniPorts and
Logistics

Lr. No. AKPL/ENVIRONMENT/APPCB/51/2025-26

Date: 16.07.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
SPSR Nellore.

Sir,

Sub:- Adani Krishnapatnam Port Limited - Submission of Environment
Statement Form - V for the FY 2024-25 - Reg.

Ref:- 1. CTO & HWA Order No. APPCB/VJA/NLR/11344/CF0/HO/2019 dated
11.11.2022 valid up to 31.08.2027.

@@@

In compliance with the CTO & HWA condition No.6 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 of 2024-25.

Kindly acknowledge receipt of the same.

Yours sincerely,
Adani Krishnapatnam Port Limited.


(Authorized Signatory)

Encl: a/a



Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

Tel +91 861 237 7999
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info@adani.com
www.adaniports.com

ENVIRONMENTAL STATEMENT FORM - V

ADANI KRISHNAPATNAM PORT LIMITED



Ports and
Logistics

JULY 16, 2025
FOR THE FINANCIAL YEAR 2024-25

ENVIRONMENTAL STATEMENT

FORM – V

(See Rule – 14)

The Ministry of Environment & Forest vide its notification dated 13th March, 1992 directed all industries which need to have consent under Water (Prevention & Control of Pollution) 1974 and Air (Prevention & Control of Pollution) 1981 to file the Environmental statement every year. This is to be filed for the period ending March by September 30th every year. The format for the same is as follows:

ENVIRONMENTAL STATEMENT FOR THE YEAR ENDING 31ST MARCH 2025

PART – A

I.	Name and address of the owner / occupier of the industry, operation or process.	: Adani Krishnapatnam Port Limited Adani Corporate House, Shanti gram, Nr Vaishno Devi Circle,
	Corporate Office	S.G Highway, Khodiyar, Ahemdabad- 382421, Gujarat.
II.	Site Office	: Adani Krishnapatnam Port Limited Post Box No. 1, Krishnapatnam Village Muthukur Mandal Sri Potti Sri Ramulu Nellore District Andhra Pradesh Pin: 524 344
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	: 28.09.2024 for the period of 2023-2024

PART - B

- i. Water and Raw Material Consumption : Please refer **Annexure A**
Water consumption in m³/d
Process :
Cooling :
Domestic :

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	Process water consumption per unit of products	
		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 Discharge into Environment /unit of output (Parameter as specified in the consent issued) : Please refer **Annexure C**

Pollutants	Qty. of pollutants Discharged(Mass/day)	Concentration of pollutants in discharges(mass/volume)	Percentage of variation from prescribed standards with reasons
A. Water	-	-	-
B. Air	-	-	-

PART-D

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

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 :**

Solid Wastes	Total Quantity	
	During the previous FTY 23-24	During the current FY24-25
a. From process	Plastic waste, iron, aluminium & card board etc. are disposed to authorized recyclers/ re-processors permitted by Andhra Pradesh Pollution Control Board. - 2357.37 Tons of scrap was sold to authorized vendors for the FY 2023-2024. - Sludge generated from sewage treatment plant is being used as manure for development of green belt within the port premises.	Plastic waste, iron, aluminium & card board etc. are disposed to authorized recyclers/ re-processors permitted by Andhra Pradesh Pollution Control Board. - 1376.35 Tons of scrap was sold to authorized vendors for the FY 2024-2025. - Sludge generated from sewage treatment plant is being used as manure for development of green belt within the port premises.
b. From Pollution Control Facility	-	-
c. Quantity recycled or utilized within the unit.	-	-

PART – F

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

PART - G

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

PART - H

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

PART – I

MISCELLANEOUS:

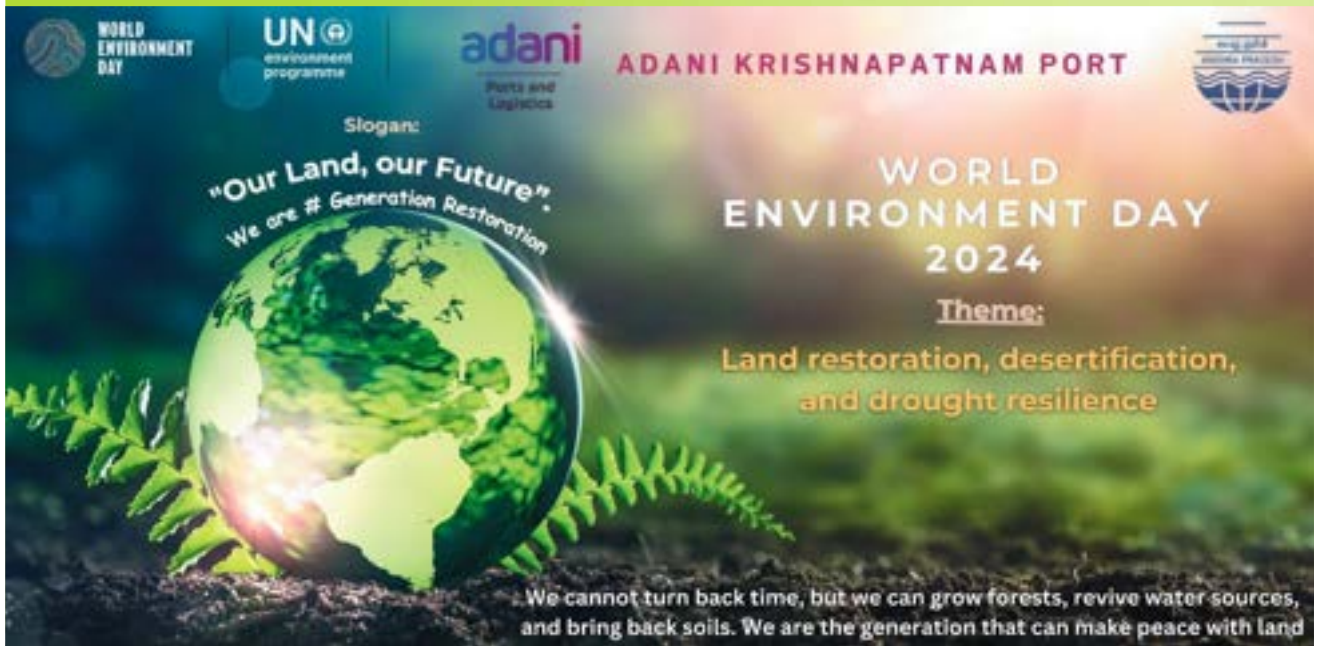
	Any other particulars in respect of environmental protection and abatement of pollution.
1.	Celebrated World Earth Day 2024 on 22.04.2024. Awareness campaign on ➤ The official theme for 2024 is PLANET Vs PLASTICS, mainly focusing on to reduce plastic production 60% by 2040 ➤ In view of this day AKPL organized a program for awareness to all employees and casuals. ➤ AKPL team has taken oath for reduction of plastic usage. ➤ All employees actively participated in this program and had taken pledge for reduction of plastic usage by 2040 goal and to maintain our earth sustainable.



2. ➤ Celebrated **World Environment Day 5th June 2024**, Adani Krishnapatnam Port - EHS team of AKPL organised a rally in the port where all employees participated by propagating save land and save trees.
- This year's World Environment Day campaign focuses on "**land restoration, desertification and drought resilience**" under the slogan "***Our land. Our Future. We are #GenerationRestoration.***"
- **Honourable CEO-Shri G.J Rao Sir has waved Flag off to the rally from Admin building to APJ Abdul Kalam Garden at AKPL.**
- Plantation drive conducted at APJ Abdul Kalam Garden.
- Honourable CEO-Shri G.J Rao Sir has initiated the Plantation Drive.
- All the employees has taken the pledge by saying "***To save, restore our beloved mother earth***"
- Plantation drive in surrounding villages viz., Krishnapatnam, Gummaladibba and Tamminapatnam on Environmental Day i.e. on 05.06.2024 Plantation of 1150 saplings on Environmental Day.
- Conducted a Mega Health Camp in port.
- Awareness programme on importance of environment to employees Housekeeping initiatives



WELCOME



- 3.
- On the occasion of **World Oceans Day 8th June 2024** AKPL has celebrated its support and responsibility towards environmental sustainability.
 - This year's World Ocean Day campaign focuses on "**Awaken New Depth Catalyzing Action for Our Ocean & Climate**".
 - Marine department team of AKPL organised a **Beach cleanup drive** in the port where all employees participated by propagating protect and conserve the world's oceans.





- 4 Adani krishnapatnam Port celebrated "International Day for the Conservation of the Mangrove Ecosystem" on 26th July 2024.
- On occasion of this day AKPL Environment team conducted awareness program to all employees and workers on towards mangrove conservation in port premises.
 - The AKPL has undertaken the plantation of mangroves upstream and downstream of the creek by adopting the fish borne technique.
 - AKPL protecting and conserving the existing mangrove areas with suitable barricading, erection of display boards and ensuring the tidal flow.
 - Raise Awareness in the local community about the importance of mangroves and their importance.

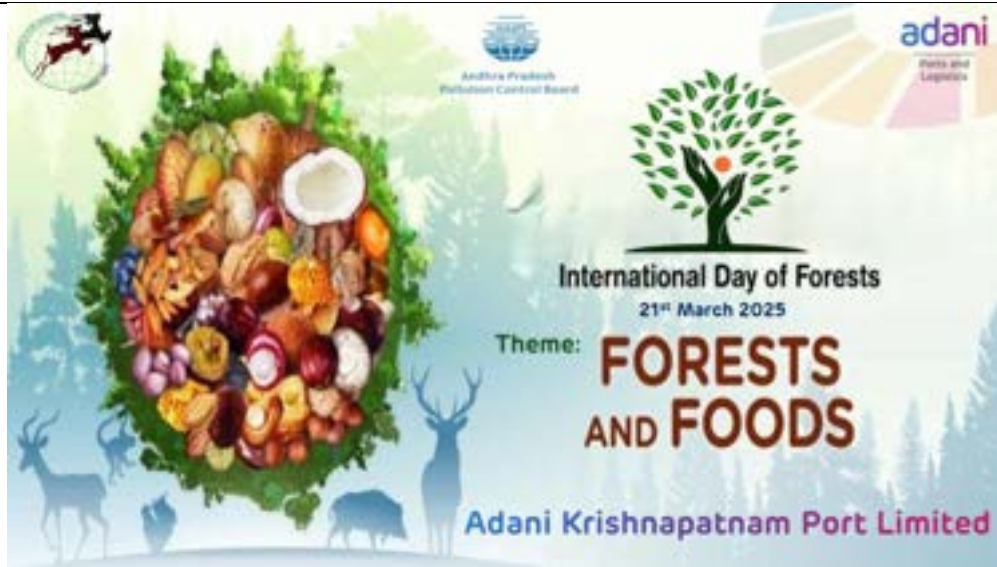


	
5.	Adani Krishnapatnam Port celebrated International Day for the Preservation of the Ozone Layer is Advancing Climate Action 2024 with the theme of "Montreal Protocol: Advancing Climate Action" 16th September 2024, AKPL took a commitment pledge for ozone protection. • EHS team of AKPL organized a awareness campaign in the port where all employees participated • AKPL employees and workers were oath to protect the mother Earth, save ourselves and protect and conserve natural resources for the future generations. • Through this Awareness campaign employees and workers understanding about ODS substances, how it was damaging the Ozone layer.   



6. On the occasion of **International Day of Forests**, Shri. Jagadish Patel, Shri. Mrs. Patel, Shri. Rajan Babu, Shri. Venugopal Rao, Shri. Anurag Dwivedi, and departments of Finance, HR, IT, TC, EHS, and Greenbelt staff participated in the plantation drive and completed 123 plantations of peltophorom, kadamba and cassia siamea.
- In this regard, Environment team of Adani Krishnapatnam Port Limited (AKPL) conducted "Native tree planting campaign" supporting local biodiversity on the account of International Forest Day on 21.03.2025.





7. AKPL Celebrated "World Water Day" (22nd March 2025), we have organized awareness program to all our employees and workers about importance of water usage in our daily life.
- We were conducting this program with theme of "Glacier Preservation"
 - Our main motto to conduct this program was "water is our God gifted source and its protection is our responsibility".



8. Promotion of Environment sustainability activities:

On the occasion of Ganesh Chaturthi, distributed Clay Ganesh Idols among AKPL Employees & associates to promote environment sustainability.

AKPL : Lord Ganesh idol distribution



ANNEXURE – A

Water Consumption details as per CTO:

Month	Application as per the consent order		
	Dust Suppression	Green belt	Domestic
Apr-24	1854.45	380	618.25
May-24	1776.6	364.34	592.29
Jun-24	1710.13	350.71	570.13
Jul-24	1753.32	359.57	584.53
Aug-24	1814.69	372.43	604.71
Sep-24	2005	411	668.5
Oct-24	1958	402	653
Nov-24	1715.03	375	605
Dec-24	1894.52	318.39	618.39
Jan-25	1904.17	307.78	621.94
Feb-25	1926.07	355.71	628.57
Mar-25	1914.35	330.65	626.45
Total Average Consumption (KL)	1852.194	360.6317	615.98
Consent Qty/KLD	1950	400	650

Month	During the Financial Year 2023-2024	During the Financial Year 2024-2025
STP Treated water (KL/Month)		
Apr-24	6501	6172
May-24	6073	5961
Jun-24	5408	5795
Jul-24	5654	4697
Aug-24	5904	4690
Sep-24	6016	4502
Oct-24	6082	5533
Nov-24	6322	4971
Dec-24	6419	4632
Jan-25	6359	4271
Feb-25	6637	4077
Mar-25	5941	4764
Average KL/Month	5994.17	5005

Annexure – B

Cargo Handled at Adani Krishnapatnam Port – (April 2024 – March 2025)

Details of Cargo	Total Quantity (MT)	
	Consented Quantity MMTPA	Commodities Handled in MMTPA
a) Coal	46	39.83
b) Iron Ore	8	5.01
c) General Cargo(Fertilizers, granites, Edible Oil and Lube oils, Others)	14	8.32
d) Liquid Cargo(POL, LNG, LPG, Chemical Products)	10	1.50
e) Container Cargo (MTEUsA)	2.0	0.02
Total	78 MMTPA + 2 MTEUsA	54.65 MMT + 0.02 MTEUsA

Annexure – C

Water:

AKPL being operated Sewage treatment facilities 500 KLD STP (1 X 300 KLD & 1 X 200 KLD) at CVR Amenities Complex 40 KLD STP near Admin. Building.

STP influent source	Treatment Technology	Quantity	Mode of final disposal
Domestic	Fluidized Bed Bio Reactor technique (FBBR)	540 KLD	Treated water is used for green belt with in port premises.

The inlet and outlet waste water 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 green belt development only.

AKPL is utilizing the Storm water for dust suppression purposes.

Air:

The facility has provided 5 no. of Continuous Ambient Air Quality Monitoring stations (CAAQMS) at CVR Amenities Complex, towards Thamminapatnam Village and towards Krishnapatnam Village, North side & South side of the port for the parameter PM2.5, PM10, SO2, NOx, CO and NH3.

The CAAQM Stations are calibrated by CPCB authorized agency.

Annexure – D

- I. E-Waste in **Form-III** : AKPL has submitted on 29.04.2025 for the Financial year 2024-2025.
(Copy of Acknowledgement attached)
- II. Hazardous Waste in **Form-IV** : AKPL has submitted on 29.04.2025 for the Financial year 2024-2025.
(Copy of Acknowledgement attached)
- III. Battery returns in **Form-VIII** : AKPL has submitted used on 29.04.2025 for the Financial year 2024-2025.
(Copy of Acknowledgement attached)

ANNEXURE - E

COST OF ENVIRONMENTAL MEASURES FOR THE FY 2024-2025

S.No.	Facility Details	Description	Fund utilized for the year 2024-25 (Rs.)
1	Dust Suppression system	DSS system Maintenance with including Vacuum sweeping machines & and Broom sweeping machines & Fuel expenses	164,717,061
2	STP Spares & maintenance	STP maintenance with includes Manpower and equipment repairing works.	1,270,147
3	Water Cost - Nakkala Kaluva	Water consumption for Dust suppression system	1,018,710
4	Green belt Development	FYM, Sapling purchasing, JCB, Transport, Diesel, Fertilizers, Vehicle bills cost	8,241,803
5	Truck Wheel wash facility	Truck Wheel wash facility	2,852,344
6	CAAQMS	Maintenance of existing 3 CAAQMS & installation of additional CAAQMS	23,002,151
7	Water Sampling & Analysis	Marine, Drinking, Sewage water sampling & analysis cost, APPCB Water charges	5,016,560
8	Wind screen	Wind screen erection	1,139,970
		Total Amount	208,277,455

ANNEXURE B

Environmental measures in the Adani Krishnapatnam Port Limited

- Adani Krishnapatnam Port is a multi – purpose port located in the east coast of SPSR Nellore district of Andhra Pradesh. Krishnapatnam is a major economic gateway that caters to the land locked southern hinterland of India with multimodal connectivity.
- Commenced commercial operations in March 2009, as an all-Weather Port with Deep Draft Capable of Handling Capsize and Panamax Vessels, Round-The-Clock Navigation and provides Two Way Traffic for both Onshore & Offshore Logistics.
 - AKPL is presently operating with 13 berths and with consented cargo handling capacity of 78 MMTPA for variety of Cargos of bulk and break bulk including coal, iron ore, Multi Cargo (Agri products, Slag, Limestone, Steel products etc.), Fertilizer, Gypsum, & 2MMTPA Container cargo with state-of-the-art cargo handling systems, mechanized storage facilities, railway sidings etc.,



- AKPL is handling dry cargo such as coal, iron ore through mechanized system to the maximum extent possible and the Fertilizers, Food grains, Sugar, Cement & Cement Clinker, barites, Feldspar, Edible Oils are being handled through semi-mechanized system.

- Mechanical dust suppression system is provided at various critical points i.e., equipment (Hopper & reclaimer), hooded conveyor belts and the storage yards have been functioning well throughout the system. By using these measures, the port is able to 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 at various locations. Around 30 people are working daily to operate the DSS.
- The DSS comprises of canons supported by electrical motors and operated at regular intervals to cover water fog all over cargo stacks and other areas. The water is sprayed from various points by water canons at pressure of about 2-4 Kg/cm² to form a mist over the cargo stacks and other places and the mist attracts the dust to settle it down without spreading along the wind.
- Provided hooded conveyor for transferring dusty cargo to near by industries like APGENCO, SEMBCORP and Penna Industries. Established Direct pipelines to nearby edible oil cluster industries to pump edible oil from vessels to industries.
- Operating 16 no. of hydraulic broom sweeping machines for cleaning of berths, backup and roads. Operating 3 nos vacuum sweeping machines to control dust on roads, berths & pavements.

1. Mechanized Operations:

The State of art mechanical dust suppression system is provided at various critical points i.e., equipment (Hopper & reclaimer), 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.

- AKPL using Grab ship unloaders and conveyers with water sprinkling system for handling coal from berths to storage yards and also to nearby power plants which reduced dust generation, compared to dumpers for transporting coal.

- AKPL being operated silo facility with telescopic chute system for loading the cargo in railway wagons. After those entire rakes covered with tarpaulin covers to avoid the fugitive spillages.
- Established fully mechanized and closed operations associated with mist sprinkling system to prevent fugitive emissions.
- Provided Dust suppression systems at Hoppers, discharge/feeding points of belt conveyors at each transfer tower.
- Provided and operating Stacker cum re-claimers for loading and unloading the coal. Dedicated mist sprinklers are provided to prevent fugitive emissions.



Mist Spraying Sytem



Silo Facility with teliscopic chute system



Mechanized Infrastructure



Grab ship unloaders and Hoppers, discharge/feeding points

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

AKPL has Established Mechanical Dust Suppression System with 248 no's of water cannons at stack yards for dust suppression. The water cannons at 50 -100 metres intervals which covers a horizontal radius of approx.. 50 meters and reaches a height upto 15 metres and rotates in 180 degrees.

The water is sprayed from various points by water cannons at pressure of about 2-4 Kg/cm² to form a mist over the cargo stacks and other places and the mist attracts the dust to settle it down without spreading along the wind.



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 26 nos. to arrest the dust pollution causing by the vehicular movement in the port. AKPL is spending around Rs. 7 lakhs per month on an average towards water charges and maintenance.





Deployed 12 Nos. of Truck mounted sprinklers for roads and transit areas & stock piles.

Dust suppression system through Atomizers

AKPL being operated 4 heavy duty atomizers as innovative technology in dust suppression system.

These Atomizers helpful to efficient water distribution in uniform spray patterns through pressurized nozzles. It reduced water consumption also.



As part of sustainable development activities, using these special devices ensure to prevent the dust pollution and to ensure the pollution parameters are within the permissible limits stipulated by statutory departments.

3. Truck/Wagon Tarpaulin Covering facilities:

AKPL established 27 No. of truck tarpaulin covering stations at various locations within the Port to facilitate and ensure all the outgoing cargos by Trucks are covered with tarpaulin.

AKPL ensuring that the tarpaulin is covered in all sides of the truck and tightly tied with rope to avoid transit spillages till the truck reaches the destination.



Ensuring all the outbound cargo rakes are covered with tarpaulin and tightened with rope to avoid transit spillages.





4. Cargo covered with tarpaulin:

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



5. Deployment of Road Sweeping Machines:

3 No of Heavy Duty Vacuum Sweeping Machines are being deployed at operational areas and all internal roads.

Provided 8 No. tractor mounted hydraulic broom sweeping machines for cleaning the roads and jetty areas.





6. Truck Tyre washing facilities:

Provided 2 no. of automatic sensor-based truck/tyre washing facilities at north side and south side of the port to ensure of all the outgoing vehicles to avoid dust passage on to outside roads.

Truck tyre washing facility wheel washing facility is established with advanced technology which having cleaning water recycling & reusing system with oil skimmer facility.



North side of the Port



South side of the Port

7. Specific measures towards Habitation:

Erected wind breaking walls towards Krishnapatnam village and Arketpalem to prevent any dust transfer to habitation and a thick green belt developed supporting to the wind breaking wall to arrest the dust emissions to the villages.

- Provided hooded conveyor for transferring dusty cargo.



AKPL maintained 100 m width of plantation towards port periphery and 20 m width around the coal stack yard zones as per the CTO condition.



8. Environmental Monitoring Program in AKPL

As per the statutory guidelines AKPL appointed an authorized 3rd party agency, for monitoring of the environmental parameters of the port as well as nearby villages such as Krishnapatnam village, Gopala Puram Village, Chalivendram village and Thamminapatnam Village areas.

1. Ambient Air Quality Monitoring:

AKPL has been operating 5 No. of CAAQM stations of Beta Ray Attenuation technology to measure the parameters PM 10, PM 2.5, NO_x, NH₃, SO₂, CO, , at the following locations and data connected to APPCB website.

Station code	Location	Direction w.r.t. Project site	Coordinates Latitude & Longitudes	Distance from Port
CAAQMS - 1	At CVR Building	WNW	14°16'33.45"N 80° 5'54.46"E	1.4 KM
CAAQMS - 2	At Thamminapatnam Village	S	14°13'39.25"N 80° 6'5.84"E	2.5 KM
CAAQMS -3	At Krishnapatnam Village	NNW	14°16'47.69"N 80° 6'23.17"E	3.0 KM
CAAQMS -4	Towards North side	NW	14°16'0.36"N & 80° 4'36.95"E	2.93 KM
CAAQMS -5	Towrads South side	S	14°14'2.49"N & 80° 6'34.63"E	1.45 KM

		
Station – 1 CVR Amenities Complex	Station – 2 Thamminapatnam Village	Station – 3 Krishnapatnam Village

Additional CAAQMS stations in AKPL site	
	
Station 4 North West direction of the port Latitude : 14°16'0.36"N Longitude : 80° 4'36.95"E.	Station 5 South direction of the port Latitude : 14°14'2.49"N Longitude : 80° 6'34.63"E

The Port appointed an NABL accredited lab to monitor the CAAQM Stations and submitting the reports to APPCB on monthly basis along with the Compliance reports & to MoEF & CC on Half-Yearly basis.



- i. CAAQMS station 1 – at Amenities Complex
- ii. CAAQMS station 2 – at Thamminapatnam Village (South Port)
- iii. CAAQMS station 3 - at Krishnapatnam Village
- iv. Gopalapuram Village
- v. Chalivendram Village
- vi. Port Main Gate ("O Point)
- vii. New Light House

A. Noise Monitoring

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

- I. Krishnapatnam Village - Residential
- II. Gopalapuram Village - Residential
- III. Chalivendram Village - Residential
- IV. Port Main Gate ("O" Point)- Industrial
- V. Amenities Complex - Industrial
- VI. New Light House - Residential
- VII. Thamminapatnam Village (South Port) - Industrial

B. Ground Water quality monitoring

Ground water quality monitoring is being carried out on half yearly monthly basis as per the statutory regulations for the Krishnapatnam Port premises and reports are within the statutory limits and the same are being submitted to the APPCB along with 6 months report.

1. Port side
2. Krishnapatnam Village
3. South side of the Port
4. Gopalapuram Village



C. Marine Water / Sediment monitoring

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

1. Port entrance (Approach Channel)
2. Turning Circle
3. Coal berth
4. Reclamation area (Mutable)

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



9. Environment and Sustainability Measures:

a. Weather & Meteorological monitoring:

Installed Weather station on the top of Port Operation Control for weather forecasting & meteorological data generation.

b. Water Conservation Measures:

Rainwater harvesting pits are provide across the port premises for recharging the ground water.

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

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.



c. Sewage Treatment Plants:

STP Domestic sewage collected from office buildings from different locations of Port is being treated with FBBR technology in STPs of 500 KLD & 40 KLD and being used for greenbelt development.

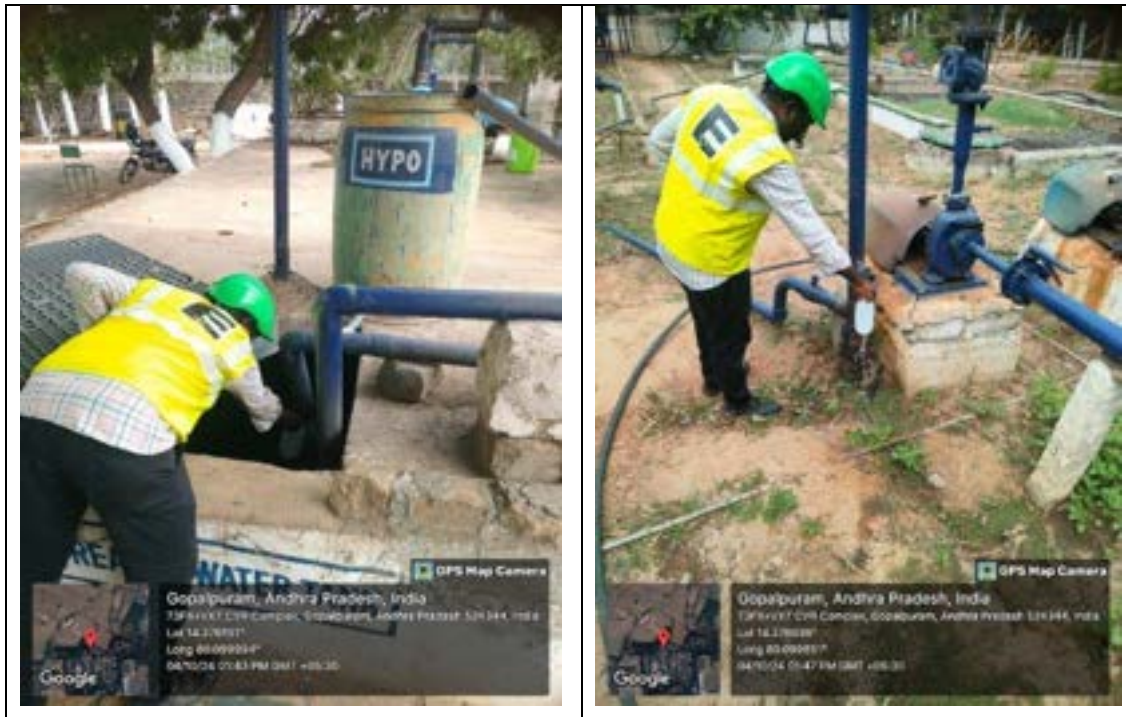


500 KLD STP



40 KLD STP

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



Inlet and outlet sample collection

d. Waste Management in AKPL:

Hazardous waste (Waste oil) – as per the CFO & HWA of APPCB, AKPL is permitted to generate & dispose of waste oil including bilge oil. AKPL is quantifying the waste oil and disposing to SPCB authorized Waste oil recyclers through APEMCL portal and submitting the details in Form – 4 to SPCB regularly. The latest submission is on 29.04.2025 for the Year 2024-2025.



E – Waste is being collected and disposed to SPCB authorized E-waste recyclers and submitting the details in Form – 3 to SPCB regularly. The latest submission is on 29.04.2025 for the Year 2024-2025.

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



Bio-Medical Waste – Occupational Health Centre (OHC) to provided First Aid facility to the victims and generating very less quantity of Bio-Medical Waste. M/s. SS Bio Care an authorized Bio-medical waste Treatment Facility, Safe Collection, Transportation & disposal of properly segregated and packed BMW as per the norms.



Segregation of BMW through Bins

Battery Waste is being collected and disposed of to SPCB authorized Battery waste recycling units submitting the details in Form – VIII on 29.04.2025.

Solid waste Provided collection bins at about 120 locations for collection of dry & wet solid & domestic waste. Developed bin collection system with dedicated collection vehicles and manpower. Segregating recyclable at the source and being recycled through vendors. Biodegradable food waste is sent to Food waste Converter.

e. Details of Green belt in Adani Krishnapatnam Port

Development of greenbelt is a continuous process in AKPL. Up to Financial year 2024-2025, the total plantation in the Port is about 213.60 Ha.

- Green cover needs to reduce the pollution levels
- Improve the standard of Ambient Air Quality
- Meet the statutory requirements & compliance.
- Reduce the carbon emissions

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

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

AKPL developed a good plantation with saplings suitable for the available land and achieved good results.

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 CO₂ 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, AKPL continued further plantation in Miyawaki method in the other locations, viz., LC3 location and Chalivendram boundary.

Below details show the periodical development of Greenbelt during the last 3 years:
Table

AKPL: Periodical Development of Greenbelt during the last 3 years				
S.no	Financial year	Target	Achieved	Survival
1	2022-2023	100000	103242	89 %
2	2023-2024	200000	220953	89%
3	2024-2025	200000	200177	80%

Nursery:

AKPL Established an exclusive nursery in an extent of 4.5 Acres within the Port premises and maintaining about 1.9 L to 2.0 L saplings of Avenue, Ornamental & Fruit

bearing species viz., Badam, *Tabebuia argentea*, *Polyalthia longifolia*. *Spathodea campanulata*, *Samanea saman*, *Mangifera indica*, *Psidium guava*, *Bougainvillea*, *Phoenix palm*, *Ixora chinensis rosea*, *Pandanus Veitchi*, *Cocos Nucifera*, *Allamanda nerifolia*, *Bougainvillea*, *Pedilanthus*, *Cassia fistula*, *Peltophorum*, *Cassia siamea*, *Delonix regia*, *Hibiscus rosa-sinensis*, *Clitoria ternatea*, *Casuarina Equisetifolia*, etc.

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

Photographs of Nursery & Greenbelt:



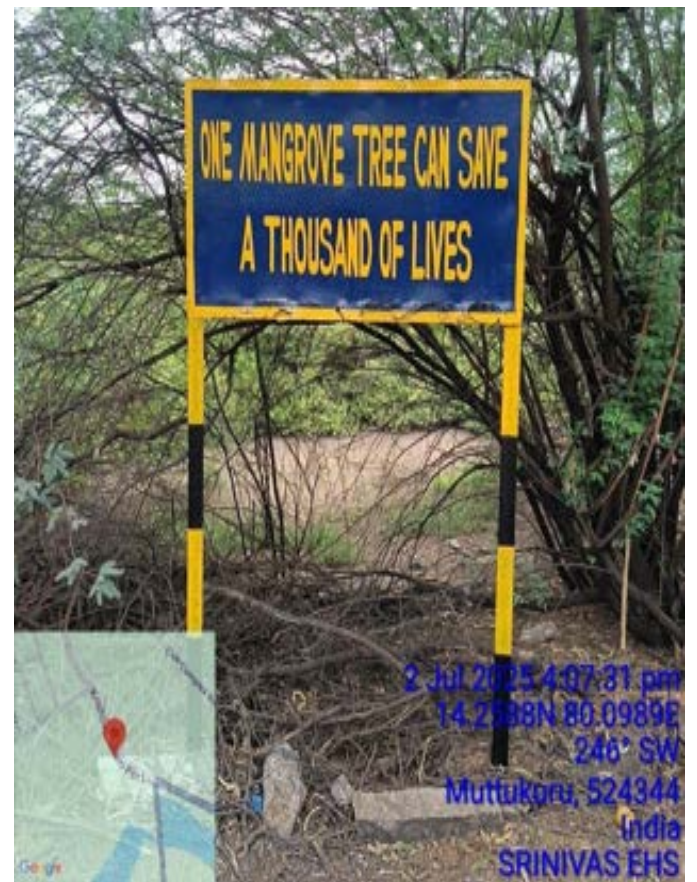
AKPL: Green belt photographs





f. Mangrove Conservation In AKPL:

- Protecting and conserving the existing mangrove areas with suitable barricading, erection of display boards and ensuring the tidal flow. As a part of Phase I EC compliance, an area of 9 acres (3.64 ha) of mangroves are being conserved in the port areas since its inception.
- Mangrove restoration is to be considered as a viable option for enhancing the green belt cover.
- The proponent shall continue to restore mangroves in the suggested sites with species like *Avicennia marina*, a resilient and common species along the creek.
- Afforestation of mangrove cover along the creeks shall be continued and intensified.
- Raise awareness in the local community about the importance of mangroves and their importance.
- Measures should be taken for desilting the creeks for easy tidal water flow which will enhance the natural flushing leading to healthy growth of mangroves.
- Illegal cutting of mangroves during the construction and operation phase of port should be prevented.





g. New Initiatives for effective Environment & Sustainability:

- Completed Electrification of Cranes & Compressor from diesel Cranes
- Usage of EV 4 – wheelers for Employee transportation
- Started plantation program 'Each One Own One Plant' with "Geotagging".
- Converted 9 no's Liebherr cranes from diesel operated to Electrically operated.
- Converted 1 diesel operated oil compressor to electrically operated.
- All Marine tugs provided with shore power 100% while at jetty.
- Established hooded conveyor belts to mitigate dust emission into the atmosphere.
- Provided Fire hydrant system for Wagon loading station.

- Provided facilities for truck tarpaulin covering stations of 27 nos. at various transit locations to facilitate and ensure tarpaulin coverage to all the outgoing cargo trucks.
- Provided facilities for Railway Rake to ensure tarpaulin coverage to all the outgoing cargo rakes.



EV vehicle

Lr. No. AKPL/ENVIRONMENT/APPGB/021/2025-26

Date: 29.04.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
SPSR Nellore.

Sir,

Sub:- Adani Krishnapatnam Port Limited – Hazardous Waste Annual Returns –
Form – IV – Submitted – Reg.

Ref:- 1. CTO & HWA Order No. APPGB/VJA/NLR/11344/CFO/HO/2019 dated
11.11.2022 valid up to 31.08.2027.

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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- IV 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.

Yours sincerely,
Adani Krishnapatnam Port Limited.

③ 
(Authorized Signatory)

Encl: a/a



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	:	Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore
2.	Authorization No. and Date of Issue	:	CTO & HWA Order No. APPCB/VJA/NLR/11344/CFO/HO/2019 11.11.2022
3.	Name of the authorized person and full Address with telephone, fax number and e-mail	:	Mr. Kaushal Singh Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore, +91 9099002568 kaushal.singh@adani.com
4.	Production during the year	:	Cargo Handled April 2024 to March 2025 Cargo handled 54.65 MMT+0.02 MTEUs is (Coal, Iron ore, General Cargo, and Container cargo)
Part A. To be filled by hazardous waste generators			
1.	Total quantity of waste generated Category wise	:	Please refer below table
	S.No	Category of Waste	Quantity Generated
	1	Oil Containing cargo residue washing water	1340.75 MT
	2	Waste Oil from DG sets	119.145 MT
	3	Waste oil from Ships	50.84 MT
	4	Sludge and filters contaminated with oil	1.9 MT
2.	Quantity dispatched	:	1512.635 MT
	Waste Oil /Used Oil (Port equipment generated)	:	118.10 MT
	i. To disposal facility	:	N.A.
	ii. To recycler or co-processors or pre-processor	:	118.10 MT

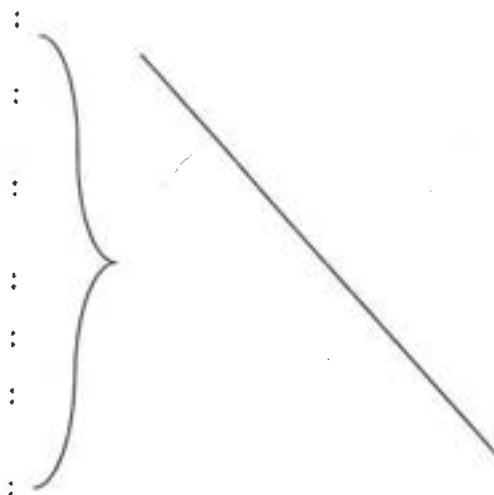
	Waste / Used Oil sludge generated in ships	:	1391.59 MT
	I. To disposal facility	:	N.A
	II. To recycler or co-processors or pre-processor	:	1391.59 MT
3	Sludge and filters contaminated with oil	:	1.9 MT
	To disposal facility	:	N.A
	To recycler or co-processors or pre-processor	:	1.9 MT
4	Quantity utilized in-house, if any-	:	1.045 MT
5	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: 29.04.2025
Place: SPSR Nellore


Signature of the Occupier or
Operator of the Disposal facility

Manifest Initiated & Processed List													
Manifest S.no	Manifest No	Receiver Name	Vehicle No	Type of Waste	Waste Name	Quantity Sent by Industry	No. of Physical Con. Form	Special Handling Instructions	Senders Certificate Date	Transporter Acknowledgem ent Date	Facility Received Date	Status	
1	195239	26-03-2025	Sri Balaji Petrochem	TN05828285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.48 Tonnes	1	Sludge	Use PPE while loading, unloading & Transp	26-03-2025	28-03-2025	Manifest Close
2	194545	24-03-2025	Sri Balaji Petrochem	TN23A84604	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18.74 Tonnes	1	Sludge	Use PPE while loading, unloading & Transp	24-03-2025	26-03-2025	Manifest Close
3	193836	21-03-2025	INDO PETRO PRODUCTS	AP02TC00566	HW - Recyclable	Waste oil/Used oil from D.G Sets, Vehicles, dredgers and other machinery	21.58 Tonnes	104	Oil	Use PPE while loading, unloading & Transil	21-03-2025	21-03-2025	Manifest Close
4	188588	28-02-2025	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	5.74 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	28-02-2025	01-03-2025	Manifest Close
5	188510	28-02-2025	Indian Tar Coal Company	AP29W2365	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	8.85 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	28-02-2025	05-03-2025	Manifest Close
6	188448	28-02-2025	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.84 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	28-02-2025	01-03-2025	Manifest Close
7	188442	28-02-2025	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	13.66 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	28-02-2025	28-02-2025	Manifest Close
8	183517	05-02-2025	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	23.1 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	05-02-2025	05-02-2025	Manifest Close
9	183542	05-02-2025	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	12.96 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	05-02-2025	07-02-2025	Manifest Close
10	182753	01-02-2025	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	01-02-2025	05-02-2025	Manifest Close
11	182279	30-01-2025	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	21.46 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	30-01-2025	01-02-2025	Manifest Close
12	182273	30-01-2025	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.34 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	30-01-2025	01-02-2025	Manifest Close
13	180918	24-01-2025	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	7.2 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	24-01-2025	29-02-2025	Manifest Close
14	180609	23-01-2025	Jyothi Lubricants	AP16T12619	HW - Recyclable	Waste oil/Used oil from D.G Sets, Vehicles, dredgers and other machinery	9.9 Tonnes	48	Oil	Use PPE while loading, unloading & Transil	23-01-2025	25-01-2025	Manifest Close
15	180581	23-01-2025	Sri Balaji Petrochem	TN05AD0538	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.22 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	23-01-2025	25-01-2025	Manifest Close
16	179483	18-01-2025	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	15.88 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	18-01-2025	20-01-2025	Manifest Close
17	176740	04-01-2025	Sri Balaji Petrochem	TN23AB4604	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.06 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	04-01-2025	06-01-2025	Manifest Close
18	176738	04-01-2025	Sri Balaji Petrochem	TN04AI1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	16.02 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	04-01-2025	06-01-2025	Manifest Close
19	174821	26-12-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.36 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	26-12-2024	28-12-2024	Manifest Close
20	174283	23-12-2024	Sri Balaji Petrochem	TN23AB4604	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	5.8 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	23-12-2024	25-12-2024	Manifest Close
21	173425	19-12-2024	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18.88 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	19-12-2024	20-12-2024	Manifest Close
22	173422	19-12-2024	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	20.34 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	19-12-2024	20-12-2024	Manifest Close
23	171882	12-12-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	12.06 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	12-12-2024	13-12-2024	Manifest Close
24	171272	10-12-2024	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.26 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	10-12-2024	11-12-2024	Manifest Close
25	167691	22-11-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18.96 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	22-11-2024	23-12-2024	Manifest Close
26	166160	15-11-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18.64 Tonnes	1	Sludge	Use PPE while loading, unloading & Transil	15-11-2024	16-11-2024	Manifest Close

27	165255 11-11-2024	Sri Balaji Petrochem	TN05AR2126	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	34.86 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-11-2024	14-11-2024	Manifest Close
28	165244 11-11-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	20.6 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-11-2024	15-11-2024	Manifest Close
29	165164 11-11-2024	Sri Balaji Petrochem	TN05AR2126	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	27.2 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-11-2024	20-11-2024	Manifest Close
30	164403 06-11-2024	INDO PETRO PRODUCTS	AP39W9304	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	8.42 Tonnes	40 Oily	Use PPE while loading, unloading & Transf	06-11-2024	07-11-2024	Manifest Close
31	164401 06-11-2024	INDO PETRO PRODUCTS	AP39U8228	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	2.12 Tonnes	10 Oily	Use PPE while loading, unloading & Transf	06-11-2024	07-11-2024	Manifest Close
32	164193 05-11-2024	Sri Balaji Petrochem	TN23A84604	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.1 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	05-11-2024	07-11-2024	Manifest Close
33	163569 02-11-2024	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.66 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	02-11-2024	04-11-2024	Manifest Close
34	163568 02-11-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.32 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	02-11-2024	04-11-2024	Manifest Close
35	163192 30-10-2024	Sri Balaji Petrochem	TN04ALI1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.12 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	30-10-2024	01-11-2024	Manifest Close
36	161299 21-10-2024	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	23.02 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	21-10-2024	22-10-2024	Manifest Close
37	159691 11-10-2024	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	13.04 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-10-2024	16-10-2024	Manifest Close
38	159687 11-10-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.34 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-10-2024	18-10-2024	Manifest Close
39	159653 11-10-2024	Sri Balaji Petrochem	TN05B28285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	33.36 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-10-2024	15-10-2024	Manifest Close
40	159422 10-10-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Sludge and filters contaminated with oil	5.48 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	10-10-2024	15-10-2024	Manifest Close
41	158012 03-10-2024	Coastal Waste Management P	AP39TK9054	HW - Incinerable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	1.91 Tonnes	1 Semi Solid	Use PPE while loading, unloading & Transf	03-10-2024	04-10-2024	Manifest Close
42	157462 30-09-2024	INDO PETRO PRODUCTS	AP39U8228	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	2.97 Tonnes	14 Oily	Use PPE while loading, unloading & Transf	30-09-2024	01-10-2024	Manifest Close
43	157448 30-09-2024	INDO PETRO PRODUCTS	AP39W9304	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10 Tonnes	48 Oily	Use PPE while loading, unloading & Transf	30-09-2024	01-10-2024	Manifest Close
44	155669 21-09-2024	Sri Balaji Petrochem	TN05AR2126	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	9 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	21-09-2024	25-09-2024	Manifest Close
45	155651 21-09-2024	Hyothi lubricants	AP16TI2619	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	2.52 Tonnes	12 Oily	Use PPE while loading, unloading & Transf	21-09-2024	23-09-2024	Manifest Close
46	154316 14-09-2024	INDO PETRO PRODUCTS	AP39U8228	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	2.9 Tonnes	14 Oily	Use PPE while loading, unloading & Transf	14-09-2024	15-09-2024	Manifest Close
47	154312 14-09-2024	INDO PETRO PRODUCTS	AP39W9304	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	9.94 Tonnes	48 Oily	Use PPE while loading, unloading & Transf	14-09-2024	15-09-2024	Manifest Close
48	152764 06-09-2024	Hyothi lubricants	AP16TI2619	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.96 Tonnes	47 Oily	Use PPE while loading, unloading & Transf	06-09-2024	08-09-2024	Manifest Close
49	152457 04-09-2024	Sri Balaji Petrochem	TN05B28285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	15.76 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	04-09-2024	06-09-2024	Manifest Close
50	152455 04-09-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	14.06 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	04-09-2024	06-09-2024	Manifest Close
51	151613 30-08-2024	Sri Balaji Petrochem	TN05AD5538	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	7.42 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	30-08-2024	04-09-2024	Manifest Close
52	151596 30-08-2024	Supreme Petro Products (Wast	TN28BK3417	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	29.78 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	30-08-2024	31-08-2024	Manifest Close
53	151292 29-08-2024	Hyothi lubricants	AP16TI2619	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.92 Tonnes	48 Oily	Use PPE while loading, unloading & Transf	29-08-2024	30-08-2024	Manifest Close
54	150870 27-08-2024	Sri Balaji Petrochem	TN04ALI1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	13.38 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-08-2024	02-09-2024	Manifest Close
55	150868 27-08-2024	Sri Balaji Petrochem	TN05AR1670	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.96 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-08-2024	02-09-2024	Manifest Close

56	150861	27-08-2024	Manohar Lubricants	AP39UJ1696	HW - Recyclable	Waste oil/Used oil from D.G Sets, Vehicles, dredgers and other machinery	13.92 Tonnes	67 Qty	Use PPE while loading, unloading & Transf	27-08-2024	28-08-2024	Manifest Close
57	150003	22-08-2024	Manohar Lubricants	AP39UJ1696	HW - Recyclable	Waste oil/Used oil from D.G Sets, Vehicles, dredgers and other machinery	14.02 Tonnes	67 Qty	Use PPE while loading, unloading & Transf	22-08-2024	23-08-2024	Manifest Close
58	149714	21-08-2024	Supreme Petro Products (Wasi TN03JSS59	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	15.22 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	21-08-2024	21-08-2024	Manifest Close	
59	147321	08-08-2024	Supreme Petro Products (Wasi TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	14.74 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	08-08-2024	09-08-2024	Manifest Close	
60	146415	03-08-2024	Sri Balaji Petrochem	TN04AL1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	16.36 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	03-08-2024	07-08-2024	Manifest Close
61	146414	03-08-2024	Sri Balaji Petrochem	TN05B28285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	32.94 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	03-08-2024	07-08-2024	Manifest Close
62	145992	31-07-2024	Supreme Petro Products (Wasi TN28BK3417	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	29.16 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	31-07-2024	03-08-2024	Manifest Close	
63	145296	26-07-2024	Supreme Petro Products (Wasi TN45B6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	24.04 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-07-2024	31-07-2024	Manifest Close	
64	145131	25-07-2024	Supreme Petro Products (Wasi TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.22 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	25-07-2024	27-07-2024	Manifest Close	
65	145128	25-07-2024	Supreme Petro Products (Wasi TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.44 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	25-07-2024	31-07-2024	Manifest Close	
66	144411	20-07-2024	Sri Balaji Petrochem	TN05AR1670	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	13.16 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	20-07-2024	23-07-2024	Manifest Close
67	143070	10-07-2024	Sri Balaji Petrochem	TN05B28285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	21.5 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	10-07-2024	15-07-2024	Manifest Close
68	142063	04-07-2024	Supreme Petro Products (Wasi TN52A8417	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	21.46 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	04-07-2024	04-07-2024	Manifest Close	
69	140933	27-06-2024	Supreme Petro Products (Wasi TN28BK3417	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	27.12 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-06-2024	27-06-2024	Manifest Close	
70	140929	27-06-2024	Supreme Petro Products (Wasi TN03K3378	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.84 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-06-2024	27-06-2024	Manifest Close	
71	140864	27-06-2024	Sri Balaji Petrochem	TN20AK3399	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.32 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-06-2024	28-06-2024	Manifest Close
72	140726	26-06-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	8.88 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-06-2024	28-06-2024	Manifest Close
73	140691	26-06-2024	Supreme Petro Products (Wasi TN88C1799	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.26 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-06-2024	26-06-2024	Manifest Close	
74	140683	26-06-2024	Supreme Petro Products (Wasi TN45B6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.86 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-06-2024	26-06-2024	Manifest Close	
75	140686	26-06-2024	Supreme Petro Products (Wasi TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.62 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-06-2024	26-06-2024	Manifest Close	
76	139873	21-06-2024	Sri Balaji Petrochem	TN04AL1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	16.98 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	21-06-2024	24-06-2024	Manifest Close
77	139588	20-06-2024	Sri Balaji Petrochem	TN05AR1670	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.8 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	20-06-2024	21-06-2024	Manifest Close
78	138658	14-06-2024	Supreme Petro Products (Wasi TN20AW4257	HW - Recyclable	Waste oil from Ships	17.74 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	14-06-2024	16-06-2024	Manifest Close	
79	138640	14-06-2024	Sri Balaji Petrochem	TN05AD5538	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.28 Tonnes	1 Qty	Use PPE while loading, unloading & Transf	14-06-2024	18-06-2024	Manifest Close
80	137445	08-06-2024	Supreme Petro Products (Wasi TN18BE2599	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	26.12 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	08-06-2024	10-06-2024	Manifest Close	
81	137037	06-06-2024	Supreme Petro Products (Wasi TN03K3378	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	8.64 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	06-06-2024	07-06-2024	Manifest Close	
82	137035	06-06-2024	Supreme Petro Products (Wasi TN45B6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.68 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	06-06-2024	07-06-2024	Manifest Close	
83	137027	06-06-2024	Supreme Petro Products (Wasi TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	12.48 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	06-06-2024	07-06-2024	Manifest Close	
84	137030	06-06-2024	Supreme Petro Products (Wasi TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	14.66 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	06-06-2024	07-06-2024	Manifest Close	

85	134351	22-05-2024	Supreme Petro Products (Wast TN05806617	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.96 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	22-05-2024	22-05-2024	Manifest Close
86	134349	22-05-2024	Supreme Petro Products (Wast TN03K3378	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.82 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	22-05-2024	22-05-2024	Manifest Close
87	132058	09-05-2024	Supreme Petro Products (Wast TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	20.14 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	09-05-2024	09-05-2024	Manifest Close
88	130676	01-05-2024	Supreme Petro Products (Wast TN458E6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.2 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	01-05-2024	02-05-2024	Manifest Close
89	130629	01-05-2024	Supreme Petro Products (Wast TN04A1199	HW - Recyclable	Waste oil from Ships	7.38 Tonnes	1 Oil	Use PPE while loading, unloading & Transit	01-05-2024	02-05-2024	Manifest Close
90	130618	01-05-2024	Supreme Petro Products (Wast TN05B28285	HW - Recyclable	Waste oil from Ships	26.18 Tonnes	1 Oil	Use PPE while loading, unloading & Transit	01-05-2024	02-05-2024	Manifest Close
91	129538	25-04-2024	Supreme Petro Products (Wast TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.28 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	25-04-2024	26-04-2024	Manifest Close
92	129402	24-04-2024	Supreme Petro Products (Wast TN06A1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.9 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	24-04-2024	26-04-2024	Manifest Close
93	128269	17-04-2024	Supreme Petro Products (Wast TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.44 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	17-04-2024	18-04-2024	Manifest Close
94	126977	11-04-2024	Supreme Petro Products (Wast TN28BK3417	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	33 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	11-04-2024	11-04-2024	Manifest Close
95	126806	10-04-2024	Supreme Petro Products (Wast TN88C1859	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	27.46 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	10-04-2024	10-04-2024	Manifest Close

Lr. No. AKPL/ENVIRONMENT/APPCB/023/2025-26

Date: 29.04.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
SPSR Nellore.

Sir,

Sub:- Adani Krishnapatnam Port Limited - Annual Returns on Disposal of Used
batters in Form - VIII - Submitted - Reg.

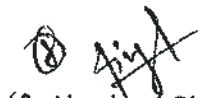
Ref:- 1. CTO & HWA Order No. APPCB/VJA/NLR/11344/CFO/HO/2019 dated
11.11.2022 valid up to 31.08.2027

@@@

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- VIII as per the Batteries
(Management & Handling) Rules, 2010 and amendments thereof.

Kindly acknowledge receipt of the same.

Yours sincerely,



(Authorized Signatory)

Encl: a/a



Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

Tel: +91 861 237 7999
Fax +91 861 237 7046
info@adani.com
www.adaniports.com

FORM VIII

[see rule 10 (2) (ii)]

FORM FOR FILING RETURNS FOR BULK CONSUMER 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	Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore
2.	Name of the Authorized person and full address with telephone and fax number	Mr. Kaushal Singh Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore, +91 9099002568 kaushal.singh@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 – 321 (ii) Approximate weight – 11.2 MT (in Metric Tonnes) *Lead acid batteries and dry batteries
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. Jayvel Enterprises, Plot No.26 A, KIADB Malur Industrial Area, Malur, Kolar – 563130 Karnataka

**11.2 MT of Battery waste is sent to registered recycler

(5.66 MT Acid battery scrap + 5.54 MT without acid battery scrap)

- Enclose list of manufacture/dealer/importer/registered recyclers/or any other agency to whom the used batteries scrap was sent.

Place: Krishnapatnam Village, Muthukur Mandal, 524344.

Date: 29.04.2025



(Authorized Signatory)

adaniPorts and
Logistics

Lr. No. AKPL/ENVIRONMENT/APPCCB/022/2025-26

Date: 29.04.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
SPSR Nellore.

Sir,

Sub:- Adani Krishnapatnam Port Limited – Details of E – Waste generated &
Disposed in Form – III - Submitted – Reg.

Ref:- 1. CTO & HWA Order No. APPCB/VJA/NLR/11344/CFO/HO/2019 dated
11.11.2022 valid up to 31.08.2027.

@@@

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- III** as per the E-Waste (Management) Rules, 2016 and amendments thereof.

Kindly acknowledge receipt of the same.

Yours sincerely,



(Authorized Signatory)

Encl: a/a



Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

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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 or manufacturer or refurbisher or 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	Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore		
2	Name of the authorized person and complete address with telephone and fax numbers and e-mail address	Mr. Kaushal Singh Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore, +91 9099002568 kaushal.singh@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	2.2 MT (Annexure -A attached)		
	Details of the above	TYPE	QUANTITY	No.
3(A)*	BULK CONSUMERS: Quantity of e- waste	Information technology and telecommunication Equipment's and electrical items	2.2 MT	List attached as Annexure -A
3(B)*	REFURBISHERS: Quantity of e-waste:	X	X	X
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	X	X	X

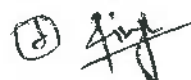
Facility.			

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.	X	X	X
4	Name and full address of the destination with respect to 3(A)-3(D) above			
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 have been sent for recycling.

Place: 29.04.2024

Date: SPSR Nellore



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 - A
List of E - Waste sent to Authorized Collection Centre/ Dismantler

S.No	Name of E waste	Category Name of E waste	Category of E waste (as per Schedule-I)	Quantity of E-waste (MT)
1	Cartridge ribbon (small + Big)		ITEW6	2.2 MT
2	Keyboards		ITEW3	
3	Mouses			
4	Plastic		NA	
5	Cables		NA	

Annexure 14

Mangrove Conservation In AKPL:

- Protecting and conserving the existing mangrove areas with suitable barricading, erection of display boards and ensuring the tidal flow. As a part of Phase I EC compliance, and area of 9 acres (3.64 ha) of mangroves are being conserved in the port areas since its inception.
- Mangrove restoration is to be considered as a viable option for enhancing the green belt cover.
- Mangrove's development in 50 Ha. has been undertaken within the port as part of Phase II development. The patches of mangroves are around 7.128 Ha. of area has been protected as part of Phase III development.
- AKPL has conserves more than 200 Acres mangrove area in port premises by significant conservation efforts.
- AKPL is conducting awareness campaign in the local community about the importance of mangroves and their importance.
- Ensuring desilting the creeks for easy tidal water flow which will enhance the natural flushing leading to healthy growth of mangroves.
- AKPL has continued to restore mangroves in the suggested sites with species like *Avicennia marina*, a resilient and common species along the creek.
- Afforestation of mangrove cover along the creeks will be continued and intensified.









Mangrove Conservation at AKPL

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

Proposal No	IA/AP/MIS/566/2009
Compliance ID	127784573
Compliance Number(For Tracking)	EC/M/COMPLIANCE/127784573/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	30-05-2025
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.

Half Yearly Compliance Report
2025
01 Jun(01 Oct - 31 Mar)

Acknowledgement

Proposal Name	Expansion of Krishnapatnam Port (Phase III)		
Name of Entity / Corporate Office	Adani Krishnapatnam Port		
Village(s)	N/A		
District	SPSR  NELLORE		
Proposal No.	IA/AP/MIS/566/2009	Category	INFRA-1
Plot / Survey / Khasra No.	N/A	Sub-District	N/A
State	ANDHRA PRADESH	Entity's PAN	*****8657J
MoEF File No.	10-18/2016-IA.III	Entity name as per PAN	ADANI KRISHNAPATNAM PORT LIMITED

Compliance Reporting Details

Reporting Year	2025
Remarks (if any)	We are submitting the Self certified Half yearly compliance EC and CRZ compliance for the period from October 2024 to March 2025 along with the CTE CTO Compliance and monitoring reports
Reporting Period	01 Jun(01 Oct - 31 Mar)

Details of Production and Project Area

Name of Entity / Corporate Office	Adani Krishnapatnam Port	
	Project Area as per EC Granted	Actual Project Area in Possession
Private	0	0
Revenue Land	0	0
Forest	0	0
Others	2334	2334
Total	2334	2334

Production Capacity

Sr. no	Product Name	units	Valid Upto	Capacity	Production last year	Capacity as per CTO
1	Coal	Million Tons per Annum (MTPA)	31/08/2027	139	39.829	46
2	Liquid Cargo	Million Tons per Annum (MTPA)	31/08/2027	51.7	1.500	10
3	General Cargo	Million Tons per Annum (MTPA)	31/08/2027	19.5	8.323	14
4	Iron Ore	Million Tons per Annum (MTPA)	31/08/2027	8	5.005	8
5	Container Cargo	Others:MTEU's Per Annum	31/08/2027	3.1	0.020	2

Conditions

Specific Conditions

Sr.No.	Condition Type	Condition Details
1	Statutory compliance	The Environmental and CRZ Clearance to the project is primarily under provisions of EIA Notification, 2006 and CRZ Notification, 2011. It does not amount to approvals/consent/ permissions etc., required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals / clearances under any other Acts/ Regulations or Statutes as applicable to the project.
PPs Submission: Being Complied Noted the condition and duly complied with during the implementation of the Project.		Date: 30/05/2025
2	Statutory compliance	The project proponent shall abide by all the commitments and recommendations made in the Form-II, EIA and EMP report, submissions made during Public Hearing and also that have been made during their presentation to EAC.
PPs Submission: Being Complied Being complied		Date: 30/05/2025
3	Statutory compliance	Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction works other than those permitted i n Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
PPs Submission: Being Complied Being complied		Date: 30/05/2025
4	Statutory compliance	Development of green belt by native species with consultation with state forest department shall be ensured.
PPs Submission: Complied Complied. AKPL is developing a lush Green Belt within the Project with Native Species in a total		Date:

area of 213.60 Ha. (As on March 2025 Total Green Belt area in Phase 1 2 3). The Project Layout with the planned Green Belt is attached as Annexure C. As on March 2025, AKPL has successfully developed 213.60 Ha of Green belt along port boundary, around coal yards, avenue median plantations. The Project is maintaining greenbelt of 100 m width along the periphery. The Project has developed a green belt in an area of 3.5 Ha near liquid jetty area in phase III along the shoreline boundary. The Project is maintaining greenbelt of 20-meter width around the coal stack yards. The Expenditure for maintenance of the Green Belt during the financial Year 2024-2025 is 82.41 Lakhs. 150 No. of local manpower are being engaged for the Development and Maintenance of the Green Belt in the Project.		30/05/2025
5	Statutory compliance	All the recommendations and conditions specified by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) vide letter 202/CRZ/IND/201930 dated 21.05.2020 shall be complied with
PPs Submission: Being Complied Noted the condition being complied. The Compliance of the recommendations and conditions specified by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) vide letter 202/CRZ/IND/201930 dated 21.05.2020 are attached as Annexure 23.		Date: 30/05/2025
6	Statutory compliance	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. Creek water monitoring program shall be implemented during the construction phase
PPs Submission: Being Complied Being complied.		Date: 30/05/2025
7	Statutory compliance	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.
PPs Submission: Complied Complied. AKPL was earlier operating Three (3) Nos. of Continuous Ambient Air Quality Monitoring stations and linked to APPCB website. AKPL has now added two additional Continuous Ambient Air Quality Monitoring stations since September 2024, and these are also linked to APPCB website. In addition, AKPL appointed a third-party agency M s S V Enviro Laboratories, an NABL Accredited Laboratory to conduct Environmental Monitoring i.e., Terrestrial Marine parameters. The monitoring reports are being submitted to APPCB on monthly basis and MoEF CC on half-yearly basis. Copies of the latest Submission letters are attached as Annexure 24.		Date: 30/05/2025
8	Statutory compliance	The proposed expansion entails 60 million cum of dredging in soft soil. As proposed, the PP shall utilize 26 million cu m of dredged sand for reclamation of low lying areas of port, stock pile 2 million cu m on the coast north of north breakwater for long term coastal protection as recommended by NIOT and disposal of balance 32 million cu m of dredged spoil in the identified dredge disposal area of 56 Km2 beyond (-) 20 m contour. The impact of dredging on the marine environment should be monitored and necessary measures shall be taken on priority basis if any adverse impact is observed. NIOT will oversee the work as scientific body and continue to monitor its impact/benefits for at least 5 years post project completion. Necessary financial assistance to be provided by project proponent to NIOT. The report of the same to be submitted to regional office of MoEFCC by project proponent.
PPs Submission: Complied AKPL has obtained Consent to Establishment (CTE) for the Expansion of the Krishnapatnam Port Project (Phase III) from APPCB vide Order No. 633/ APPCB/ CFE/RO NLR/HO/2010 dated		Date: 30/05/2025

25.02.2021. Copy of the CTE Order is attached as Annexure 16 The impact of dredging activities have been monitored by NIOT for 5 post completion of the Phase II of the project. AKPL appointed NIOT for shoreline stability study, the study was carried out during the period 2021 to 2024 and report as submitted to APPCB, RO Nellore vide letter. no. AKPL/EC/ENV/007/2025 26 dated 09.04.2025. (Copy attached as Annexure 7			
9	Statutory compliance	Marine ecological monitoring and its mitigation measures for protection of phytoplankton, zooplanktons, macrobenthos, estuaries, sea-grass, algae, sea weeds, Crustaceans, Fishes, coral reefs and mangroves etc. as given in the EIA-EMP Report shall be complied with in letter and spirit with the help of reputed organization or individuals of national repute having knowledge in the said subject. Necessary financial assistance to be provided by project proponent.	
PPs Submission: Complied Being complied. AKPL carried out study on Comprehensive Biodiversity Assessment, Impact Assessment and Management Plan through M s. Suganthi Devadason Marine Research Institute (SDMRI), Thoothukudi during the period 2022 to 2023 and submitted the report APPCB and AP state biodiversity board with vide letter No: AKPL/EC/ENV/126/2024 25 dated 09.01.2025. (Copy attached as Annexure 19)			Date: 30/05/2025
10	Statutory compliance	The actions shall be in accordance with proposed landscape planning concepts to minimize major landscape changes. The change in land use pattern shall be limited to the proposed port limits and be carried out in such a way as to ensure proper drainage by providing surface drainage systems including storm water network.	
PPs Submission: Being Complied Being complied			Date: 30/05/2025
11	Statutory compliance	Suitable preventive measures be taken to trap spillage of fuel / engine oil and lubricants from the construction site. Measures should be taken to contain, control and recover the accidental spills of fuel during cargo handling.	
PPs Submission: Being Complied Being complied Port has existing Tier-I oil spill response equipment to combat any oil spill and coordinate with Indian Coast Guard to contain, control, and recover the accidental spills of fuel during cargo handling.			Date: 30/05/2025
12	Statutory compliance	The company shall draw up and implement Corporate Social Responsibility Plan as per the Company s Act of 2013.	
PPs Submission: Being Complied Being complied The CSR Plan is drawn up as per the Company s Act 2013 (Copy attached as Annexure 4)			Date: 30/05/2025
13	Statutory compliance	All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF CC along with half yearly compliance report.	
PPs Submission: Complied Complied Environmental Monitoring Plan is prepared in matrix format for the Expansion of the Krishnapatnam Port Phase-III and the same is being implemented at site. (Copy attached as Annexure 20)			Date: 30/05/2025
14	Statutory compliance	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 to address the concerns raised during the public consultation. The project proponent shall initiate the activities proposed by them, based on the commitment made in the public hearing, and incorporate in the Environmental Management Plan and submit to the Ministry. All other activities including pollution control, environmental protection and conservation, R and 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 and R action plan carried out during the preparation of EIA report or prescribed by EAC, shall also be implemented and become part of EMP.
PPs Submission: Being Complied Being complied The Public Consultation for Expansion of Krishnapatnam Port Phase III was exempted as the expansion was proposed to be developed within the existing land area of 6800 Ac. All the commitments made in the public consultation for Phase II during 2009 were complied with. All the activities proposed in the EMP for Phase II along with the Phase III EMP including Pollution control measures, Environmental protection and conservation, R R, Wildlife and forest conservation/ protection measures including the NPV, Compensatory Afforestation, etc., are being implemented. PH Minutes attached as Annexure 7		Date: 30/05/2025
General Conditions		
Sr.No.	Condition Type	Condition Details
1	MISCELLANEOUS	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.
PPs Submission: Being Complied Being Complied		Date: 30/05/2025
2	Statutory compliance	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 works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area. 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.
PPs Submission: Being Complied Being complied		Date: 30/05/2025
3	Statutory compliance	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.
PPs Submission: Complied Complied. AKPL has obtained a license from Chief Controller of Explosives to store petroleum class A B as a retail outlet within the premises of the port. Copy of approvals are attached as Annexure13.		Date: 30/05/2025
4	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied Being complied. AKPL was earlier operating Three (3) Nos. of Continuous Ambient Air Quality Monitoring stations at the following locations to monitor the parameters viz., PM10, PM2.5, SO2, NO, NO2, CO and linked to APPCB website. a. CVR Amenities Complex b. Thamminapatnam Village c. Krishnapatnam Village AKPL has now added two additional Continuous Ambient Air Quality Monitoring stations at the following locations since September 2024 to monitor the parameters viz., PM10, PM2.5, and these are also linked to APPCB website. a) CAAQMS 4 North side of the station b) CAAQMS 5 South side of the station Environmental Monitoring has been rendered by NABL accredited laboratory along with AAQ monitoring at 7 locations covering upwind and downwind directions.		Date: 30/05/2025
5	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied Being complied. Port has adopted implementing the following measures for the control of fugitive emissions during handling of bulk non bulk cargo and vehicular movement: i. Established mechanical conveyor system for handling coal Iron ore. ii. Provided closed hoods for the conveyor system. iii. Stacker cum re-claimers is being used for loading and unloading the coal. iv. The railway wagons are being loaded mechanically. v. Installed fully mechanized coal handling systems with gantry grab type ship loaders unloaders. vi. Provided hooded conveyor belt for cargo transferring directly from ship to the designated stack yard by means of closed hoppers and transfer towers. vii. Established closed warehouses for storage of weather sensitive cargoes. viii. The loading and discharge points of the conveyor carrying material are covered with exhaust hoods to prevent the formation of dust clouds. ix. All the conveyor galleries are covered to ensure zero dust emission during cargo transfer. x. Provided water sprinkling system at transfer towers to arrest the dust spreading into the atmosphere. xi. Provided semi mechanized facilities for truck tarpaulin covering stations to ensuring all the outgoing cargos by trucks are covered with tarpaulin. xii. Ensuring all the outgoing Railway Rakes are covered with Tarpaulin. xiii. Mist Canon systems provided for watering avenue plantations and road wetting on haul roads xiv. Operating Mechanical dust suppression system comprises of 248 canons. xv. Deploying DSS Tankers of Cannon mounted for sprinkling water on haul roads and yards to arrest the dust causing by the vehicular movement xvi. The Cargo stocks heaps are covered with tarpaulin. xvii. Provided 8 No. tractor mounted hydraulic broom sweeping machines for cleaning the roads and jetty areas, xviii. 3 No of Heavy Duty Sweeping Machines are being deployed at operational areas and all internal roads. xix. Erected maintaining wind breaking wall of height 14 mtrs to prevent any dust nuisance towards habitation supported with high density greenbelt. xx. Greenbelt in an extent of 213.60 Ha Developed maintaining green belt along the port covering, yards, roads and all operational areas. Photographs are attached in EMP as Annexure 5		Date: 30/05/2025
6	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied Being complied. Erected maintaining wind breaking wall of height 14 mtrs to prevent any dust nuisance towards habitation supported with high density greenbelt. Covered the operational area with rows of plantation which are acting as wind barricades. Ensuring water sprinkling on haul roads. Photographs attached in EMP as Annexure 5 .		Date: 30/05/2025
7	AIR QUALITY MONITORING AND PRESERVATION	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.

PPs Submission: Being Complied No blasting activities involved in the Port operations.		Date: 30/05/2025
8	AIR QUALITY MONITORING AND PRESERVATION	The Vessels shall comply the emission norms prescribed from time to time.
PPs Submission: Being Complied Being complied. Please find MARPOL circular in Annexure 26.		Date: 30/05/2025
9	AIR QUALITY MONITORING AND PRESERVATION	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
PPs Submission: Being Complied Being Complied. i. The Port is being supplied with power grid Non-conventional source of energy through Power Grid for uninterrupted power supply. (BLYTH Wind Park Pvt. Ltd., Ananthapur Dist., Andhra Pradesh) ii. The DG Sets are being operated as back up for emergency lighting safety during power breakdowns. iii. Retrofitting certification was carried out for the DG Sets during 2022 (Copy attached as Annexure 27) iv. The emissions from the DG Sets are being monitored ones in 6 months through a 3rd Party NABL Accredited Laboratory and the analysis reports are being submitted the Authorities.		Date: 30/05/2025
10	AIR QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied Complied AKPL appointed M s. FP Project Management to study and prepare a Traffic Management and Decongestion Plan. Report submitted to the R and B Dept and NUDA vide letter no. AKPL/EC/EHS/032 dated 03.07.2024. Copy of the Acknowledgement is attached as Annexure 21.		Date: 30/05/2025
11	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied Being complied No creeks or rivers are blocked in the port premises and the Project is ensuring free flow of water.		Date: 30/05/2025
12	WATER QUALITY MONITORING AND PRESERVATION	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.

PPs Submission: Being Complied Being complied		Date: 30/05/2025
13	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Being Complied Being complied The ships are not allowed to discharge on board wastewater into the Sea.		Date: 30/05/2025
14	WATER QUALITY MONITORING AND PRESERVATION	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.
PPs Submission: Being Complied Being complied. Port has existing Tier I oil spill response equipment to combat any oil spill supported by Indian Coast Guard to contain, control and recover the oil spill. The Last Oil Spill Preparedness Response (OPR) drill was conducted at the port on 19.02.2025. OPR Mock drill being conducted once in every 6 months. Copy attached as Annexure 11.		Date: 30/05/2025
15	WATER QUALITY MONITORING AND PRESERVATION	The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.
PPs Submission: Being Complied Not Applicable There is no intake and discharge of water involved in the Port operations.		Date: 30/05/2025
16	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied Complied Oil Spills are being managed as per the approved Oil Spill Contingency Plan. AKPL has provided Oil Boom, Skimmer and chemicals to attend any accidental oil spills. The Operating Staff are trained to handle with Tier I Oil spills. Training and periodical mock drills are being organized for the work force at workplace. As per Disaster Management Plan, Indian Coast Guard will be alerted to coordinate in case of any oil spills Details were furnished to the MoEFCC Regional Office, Bangalore, vide our letter no. KP/MoEF/PH-II/20 dated 02.02.2010. The last OPR drill was conducted at the port on 19.02.2025. Copy attached as Annexure-11.		Date: 30/05/2025
17	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied Complied with		Date: 30/05/2025
18	WATER QUALITY MONITORING AND PRESERVATION	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.
PPs Submission: Complied AKPL has been operating 2 no. of Sewage Treatment Plants of 1 X 500 KLD STP at CVR Amenities Complex 1 X 40 KLD STP Admin. Building. Treated wastewater from STP is being		Date: 30/05/2025

utilized for the green belt within port premises. Septic tank and soak pit systems are being followed at offices and isolated buildings which are far from STPs. The treated water details for the last six months are as below: S.No Month Treated Water (KL) 1 OCT'24 5533 2 NOV'24 4971 3 DEC'24 4632 4 JAN'25 4271 5 FEB'25 4077 6 MAR'25 4764			
19	WATER QUALITY MONITORING AND PRESERVATION	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.	
PPs Submission: Complied AKPL is not discharging any treated effluent/ untreated effluent into the public sewer. The treated waste water is being utilized for greenbelt development.			Date: 30/05/2025
20	WATER QUALITY MONITORING AND PRESERVATION	No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.	
PPs Submission: Being Complied Being complied			Date: 30/05/2025
21	WATER QUALITY MONITORING AND PRESERVATION	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.	
PPs Submission: Being Complied Being complied			Date: 30/05/2025
22	Noise Monitoring & Prevention	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.	
PPs Submission: Being Complied Being complied AKPL appointed M/s S V Enviro Labs a third party NABL Accredited Laboratory to monitor Noise quality at the following locations: 1. Zero Point 2. Thamminapatnam 3. CVR Building 4. Gopalapuram 5. Chalivendram 6. Krishnapatnam 7. Krishnapatnam Village near Light House AKPL is submitting the monitoring reports to APPCB on monthly basis and to MoEFCC on Half yearly basis.			Date: 30/05/2025
23	Noise Monitoring & Prevention	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.	
PPs Submission: Being Complied Being complied			Date: 30/05/2025
24	Noise Monitoring & Prevention	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.	
PPs Submission: Being Complied Being complied			Date: 30/05/2025
25	Noise Monitoring & Prevention	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.	

PPs Submission: Being Complied Being complied		Date: 30/05/2025
26	ENERGY PRESERVATION MEASURES	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
PPs Submission: Being Complied Being complied The Port has a tie up with M/s BLYTH Wind Park Pvt. Ltd., Ananthapur Dist., Andhra Pradesh for supply of non-conventional energy through Power Grid for uninterrupted power supply. The Port has installed Solar Panels on the poles erected for installing CCTV cameras within the Port premises. Copy attached as Annexure 5.		Date: 30/05/2025
27	ENERGY PRESERVATION MEASURES	Provide LED lights in their offices and port areas.
PPs Submission: Being Complied Being complied All the office buildings and other operation buildings within the Port Premises are provided with LED lights. Copy attached as Annexure 5.		Date: 30/05/2025
28	WASTE MANAGEMENT	Dredged material shall be disposed safely in the designated areas.
PPs Submission: Being Complied Being complied		Date: 30/05/2025
29	WASTE MANAGEMENT	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.
PPs Submission: Being Complied Being complied AKPL appointed NIOT for shore line stability study, the study was carried out during the period 2021 to 2024 and report as submitted to APPCB, RO Nellore vide letter. no. AKPL/EC/ENV/007/2025-26 dated 09.04.2025. (Copy attached as Annexure 7)		Date: 30/05/2025
30	WASTE MANAGEMENT	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.
PPs Submission: Being Complied Being complied Two STP s of 500 KLD and 40 KLD are provided within the port Premises for treatment of domestic wastewater generated in Port. Solid Waste being segregated and shredded by using shredder and baler machine and being disposed to APPCB authorized vendor.		Date: 30/05/2025
31	WASTE MANAGEMENT	The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
PPs Submission: Being Complied Being complied		Date: 30/05/2025
32	WASTE MANAGEMENT	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.

PPs Submission: Being Complied Being complied		Date: 30/05/2025
33	WASTE MANAGEMENT	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.
PPs Submission: Being Complied Being complied. Solid waste being disposed to APPCB Authorized recyclers.		Date: 30/05/2025
34	WASTE MANAGEMENT	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.
PPs Submission: Being Complied Being complied The CFL s and TFL s are collected and stored properly in the Covered Shed. The same are disposed to Approved Agency.		Date: 30/05/2025
35	WASTE MANAGEMENT	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.
PPs Submission: Being Complied Being complied Port has been maintaining Oil Spill Contingency Plan. Port has Tier I Oil Spill response equipment for recovery of oil spill in coordination with Indian Coast Guard, Krishnapatnam and follows the guidelines given in MARPOL and Shipping Acts. The last OPR drill was conducted at the port on 19.02.2025. Copy attached as Annexure-11.		Date: 30/05/2025
36	GREENBELT	Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines.
PPs Submission: Complied Complied. AKPL is developing a lush Green Belt within the Project with Native Species in a total area of 213.60 Ha. (Total Green Belt area in Phase 1, 2 3). The Project Layout with the planned Green Belt is attached as Annexure C. As on March 2025, AKPL has successfully developed 213.60 Ha of Green belt along port boundary, around coal yards, avenue median plantations. The total plantation for the FY 2024-25 from Oct24 to Mar25 is 93107 saplings. The Expenditure for maintenance of the Green Belt during the financial Year 2024-2025 is 82.41 Lakhs. 150 No. of Local Manpower being engaged for the Development and Maintenance of the Green Belt in the Project.		Date: 30/05/2025
37	GREENBELT	Top soil shall be separately stored and used in the development of green belt.
PPs Submission: Being Complied Being complied. AKPL is using coco peat, red soil and vermi compost for enriching the top soil.		Date: 30/05/2025
38	Marine/Coastal	The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.
PPs Submission: Being Complied		Date:

Being complied		30/05/2025
39	Marine/Coastal	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.
PPs Submission: Being Complied Being complied AKPL has appointed Government agency of Annamalai university team to assess the impact and necessary measures. Pre, during post dredging monitoring samples collected, Data compilation is under progress. The final report is yet to be received.		Date: 30/05/2025
40	Marine/Coastal	A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water 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.
PPs Submission: Complied Being complied Comprehensive Marine Biodiversity Impact Assessment and management Plan was prepared by SDMRI and the report was submitted to APPCB, Andhra Pradesh State biodiversity Board and APCZMA vide AKPL/EC/ENV/126/2024-25 dated 09.01.2025, AKPL/EC/ENV/127/2024-25 dated 09.01.2025 respectively. Copy attached as Annexure -19		Date: 30/05/2025
41	Marine/Coastal	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.
PPs Submission: Being Complied Being complied AKPL Appointed a third party NABL Accredited Laboratory for Monitoring the Terrestrial Marine parameters viz., Marine water quality, Marine sediment quality, Surface Water Quality and ground water quality at regular intervals Copies of the Analysis reports for the Period from Oct 24 to Mar25 are attached as Annexure 30.		Date: 30/05/2025
42	Marine/Coastal	The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.
PPs Submission: Being Complied Being complied. There are no aquatic wildlife sanctuaries in the vicinity of the Port. AKPL has been ensuring that the water traffic does not impact the marine ecosystem for port operations.		Date: 30/05/2025
43	PUBLIC HEARING	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.
PPs Submission: Being Complied Being complied. AKPL is providing and maintaining the Work Space to match the standards of Occupational Health and Safety.		Date: 30/05/2025
44	PUBLIC HEARING	Workers shall be strictly enforced to wear personal protective equipment's 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.
PPs Submission: Being Complied Being complied. AKPL strictly enforcing all the workers, employees, stakeholders to wear PPEs at operational areas.		Date: 30/05/2025
45	PUBLIC HEARING	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.
PPs Submission: Being Complied Being complied. AKPL is providing work related Safety Training to all its workers and employees. All the employees, workers contractors are given daily toolbox talks, monthly review meetings with employees engaged in various activities of the Port. Port implemented and monitoring all standard safety and occupational hazard measures to prevent untoward incidents.		Date: 30/05/2025
46	PUBLIC HEARING	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
PPs Submission: Being Complied Being complied. DMP covering emergency evacuation mechanisms etc., to deal with natural disasters was prepared and submitted to the Ministry vide letter No. KP/MOEF/275 dated 11.07.2008 same as regularly updated. Latest DMP update copy submitted to District Magistrate office on 30.08.2024. The updated copy of the DMP was submitted to office of the District Magistrate, SPSR Nellore District office vide letter AKPL/CORPORATE AFFAIRS/DMP/071/2024-25 - dated 30.08.2024. Copy attached as Annexure 3		Date: 30/05/2025
47	PUBLIC HEARING	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.
PPs Submission: Being Complied Being complied.		Date: 30/05/2025
48	PUBLIC HEARING	Occupational health surveillance of the workers shall be done on a regular basis.
PPs Submission: Being Complied Being complied.		Date: 30/05/2025
49	Corporate Environmental Responsibility	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.

PPs Submission: Being Complied Being complied. AKPL has a laid down Environment Policy duly approved by the board of directors. Copy attached as Annexure 22.		Date: 30/05/2025
50	Corporate Environmental Responsibility	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.
PPs Submission: Being Complied Being complied. AKPL has formed Environment Cell Headed by HOD supporting staff at port level. Copy attached as Annexure 28. AKPL has also formed Environment Cell Headed by Vice president at Head Quarter level. Copy attached as Annexure 28A		Date: 30/05/2025
51	Corporate Environmental Responsibility	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.
PPs Submission: Being Complied Being complied The Funds Expenditure earmarked for environment protection measures are being reported in Form V Environmental Statement and submitting the same to APPCB MoEF CC. Latest submission is on 28.09.2024 for the period 2023 2024. The Expenditure incurred during the period April, 2023 to March,2024 are attached as Annexure 6.		Date: 30/05/2025
52	Corporate Environmental Responsibility	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.
PPs Submission: Being Complied Being complied. AKPL has submitted the 6 Monthly Self Certified Compliance report for the Period April, 2024 to September, 2024 to MoEFCC on 30.11.2024. AKPL has now submitting the 6 Monthly Third party NABET Accredited Consultants report for the Period October, 2024 to March, 2025 to MoEFCC.		Date: 30/05/2025
53	MISCELLANEOUS	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.
PPs Submission: Complied Complied. Advertisement was published in District Newspapers namely Vartha in local language The New Indian Express in English language dated 21.01.2021. Copy attached as Annexure18.		Date: 30/05/2025
54	MISCELLANEOUS	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 tum has to display the same for 30 days from the date of receipt.
PPs Submission: Complied Complied. A copy of the Environmental clearance is submitted to the District Collector vide our letter dated 03.02.2021 and local Panchayats vide letter dated 01.02.2021. Copy attached as		Date: 30/05/2025

Annexure 17		
55	MISCELLANEOUS	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.
PPs Submission: Complied Complied. Port has installed digital display boards at the main gate indicating the AAQ concentrations. Photographs attached as Annexure 29.		Date: 30/05/2025
56	MISCELLANEOUS	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.
PPs Submission: Being Complied Phase III development is under progress. Details of Financial Closure for the Phase III project to be furnished AKPL obtained CTE from APPCB for Order No. 633/APPCB/CFE/RO- NLR/HO/2010 dated 25.02.2021 Copy attached in Annexure16		Date: 30/05/2025
57	MISCELLANEOUS	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.
PPs Submission: Being Complied Noted the condition.		Date: 30/05/2025
58	MISCELLANEOUS	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.
PPs Submission: Being Complied Being Complied.		Date: 30/05/2025
59	MISCELLANEOUS	No further expansion or modifications in the port area shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
PPs Submission: Being Complied Noted the condition and will be complied with		Date: 30/05/2025
60	MISCELLANEOUS	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.
PPs Submission: Being Complied Noted the condition and will be complied with.		Date: 30/05/2025
61	MISCELLANEOUS	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
PPs Submission: Being Complied Noted the condition.		Date: 30/05/2025
62	MISCELLANEOUS	The Ministry reserves the right to stipulate additional conditions if

		found necessary. The Company in a time bound manner shall implement these conditions.
PPs Submission: Being Complied Noted the condition.		Date: 30/05/2025
63	MISCELLANEOUS	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.
PPs Submission: Being Complied Noted the condition and will be complied with.		Date: 30/05/2025
64	MISCELLANEOUS	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.
PPs Submission: Being Complied Noted the condition and will be complied with		Date: 30/05/2025
65	MISCELLANEOUS	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.
PPs Submission: Complied Complied. Self certified Half yearly compliance report for the period of Apr24 to Sep24 along with monitoring reports were submitted MoEF CC and APPCB on 30.11.2024		Date: 30/05/2025
66	MISCELLANEOUS	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.
PPs Submission: Complied Complied. Submitting the 6 Monthly Self Certified Compliance Reports for the period from April 24 to September 24 respectively along with Terrestrial Marine Monitoring reports submitted on 30.11.2024 to MoEF CC and APPCB. Copies of the acknowledgments are attached as Annexure 9		Date: 30/05/2025
67	MISCELLANEOUS	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.
PPs Submission: Being Complied Being complied Form V Environmental Statement for the period 2023 2024 was submitted to APPCB MoEF CC vide letter AKPL/EHS/APPCB/FORM 5/082/2024 dated 26.09.2024. Copy attached as Annexure 6. Latest submission is on 28.09.2024 for the period 2023 2024		Date: 30/05/2025
68	Statutory compliance	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.
PPs Submission: Complied A certificate of adequacy of available power agreements obtained from consent departments. (Copy attached as Annexure 25 B C)		Date: 30/05/2025
Visit Remarks		
Last Site Visit Report Date:		N/A
Additional Remarks:		We are submitting the Self certified Half yearly compliance EC and CRZ compliance for the period from October 2024 to March 2025 along with the CTE CTO Compliance and monitoring reports
Note: This acknowledgement is as per the details submitted by project proponent. In no way is this document to be considered as conclusion on any action on the compliance of the project. This is strictly for the project proponent's reference purpose.		

KRISHNAPATNAM PORT COMPANY LTD.



Ref.No.KP/MOEF/113

Dated: 29th August, 2012

To
The Director (IA-III)
Ministry of Environment and Forests
(I.A. Divison)
Paryavaran Bhavan
CGO Complex, Lodi Road
New Delhi – 110 003

Kind Attn: Shri Lalit Kapur

Sub: **Environmental and CRZ Clearance for the development of Krishnapatnam Port in Phase-II at Krishnapatnam, Sri Potti Sriramulu Nellore District, Andhra Pradesh by M/s. Krishnapatnam Port Company Limited – modification to Specific Condition 5 (vii) – Request - Reg.**

Ref: Your Letter F.No.11-62/2009-IA.III dated 13.11.2009

Dear Sir,

- (1). We invite your kind attention to Specific Condition No.5.(vii) of the CRZ & Environmental Clearance Order No.11-62/2009-IA.III dated 13.11.2009 of the MoEF above cited.
- (2). You may recall that during the public hearing held on the 20th February, 2009 at Krishnapatnam, Nellore District, Andhra Pradesh for Phase-II Development of Krishnapatnam Port, a request was made by one of the public (Jana Vignana Vedika) that a greenbelt of 100 m width may be provided **around the port** in lieu of the proposed 50 m width. KPCL clarified during the public hearing that as per the Phase-II development plan, a minimum of 50m wide Greenbelt would be developed all along port boundary and 20m along the stockyards. With these provisions the likely impact on the air quality was predicted using ISCST3 model and the results are within the standards stipulated by CPCB/MoEF. Our response on the Minutes of the Public Hearing was incorporated in the Final EIA report submitted to the MoEF vide KPCL's Letter dated 06.05.2009 (copy of relevant extract D-3 enclosed for ready reference as **Annexure-I**). In this context we submit that the MoEF in their CRZ & EC stated that "The greenbelt of 100 m width shall be developed **around the coal stack yard** as per the request in the public hearing", while the actual request made during the public hearing relates to "greenbelt of 100 m width **around the port**".

d/c

[Signature]



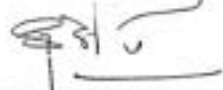
- (3). We further submit that the APPCB in its CFE for Phase-II development vide Order No.633/PCB/CFE/RO-NLR/HO/2010/390 dated 08.05.2010 (copy of relevant extract enclosed as **Annexure-II**) directed at Condition 24 that "Green Belt of width 100m shall be developed **along the boundary** of the industry as committed by the proponent". Accordingly a greenbelt of 100 m width is being developed along the boundary of the port and a 20 m wide Green belt around the iron ore and coal stack yards. The status of compliance was submitted to the Regional Office, MoEF, Bangalore in the first half-yearly compliance report dated 11.06.2010 (copy of relevant extract enclosed as **Annexure-III**). For ready reference, we are enclosing herewith (**Annexure-IV**) a pictorial presentation of the actual field Ambient Air Quality data from the monitoring stations along Port boundary for the period 2010, 2011 and 2012 (upto July) which confirms the findings of the model incorporated in the EIA Report and comply with the AAQ Standards.
- (4). During the recent visit of the Senior Officers of the MoEF, Southern Region, Bangalore to Krishnapatnam Port on 24.07.2012, we brought the above anomaly to their notice and they have advised that the MoEF may be addressed to modify the Specific Conditions 5 (vii) of the above cited EC to reflect the actual request made by the public during the hearing held on 20th February, 2009.

We accordingly request you to kindly issue an early order modifying the provision under Specific Condition 5 (vii) of the Environmental Clearance Order cited above as under:-

Existing	Requested
"The greenbelt of 100 m width shall be developed around the coal stack yard as per the request in the public hearing".	"The Greenbelt of 100m width shall be developed along the port boundary as per the request in the public hearing".

Thanking you,

Yours faithfully,
for **KRISHNAPATNAM PORT CO. LTD.,**


(S.B. PURI)
Director

Encl: As above

Copy to: The Director, MoEF, Southern Region, Bangalore.

Encl: As Above

copy to: CEO, KPCL, Wellore along with enclosures

Appendix D
Responses on Minutes of Environmental Public
Hearing Meeting

Appendix D Responses on Minutes of Environmental Public Hearing Meeting on Proposed Phase II Development of Krishnapatnam Port

Date of Public Hearing : 20th February 2009

Venue : Mandal Parishat Elementary School, Krishnapatnam, Sri Potti Sriramulu Nellore District

S.No	Public View	Response made by KPCL	Section Reference in Final EIA Report
1.	Environmental Impact Assessment (EIA) should have been written in Colloquial Jargon for better understanding of local people	For better understanding of the local people, the Executive Summary of Environmental Impact Assessment Study Report which details the project development plan (Phase-II), status of baseline environmental conditions, Likely environmental and social impacts due to Phase-II development of Port, environmental management plan (proposed mitigation measures, monitoring plan and greenbelt development) and project benefits etc. are written in local language (Telugu also). In the EIA report, the Colloquial Jargon of some of the species is given to the extent possible. The Executive summary (Telugu & English) was displayed in all the four mandal offices and village panchayats for easy access to the local people and to make them aware about the project details.	Nil
2.	Rationale behind choosing 10 km radius for EIA study	The study area of 10 km is considered as per the Guidelines of MoEF. As per the EIA Manual of MoEF, the impact zone shall be determined through a screening approach and accordingly the monitoring location networks (for Air, water, soil and noise) are developed. As per the EIA manual, the impact region would be about 7-10 km from the periphery of the proposed development area. Hence, a study area of 10 km from the project site centre has been considered and the study was conducted accordingly. In the study area, four mandals are falling. The socio-economic	Section 1.9.1 of Chapter 1

S.No	Public View	Response made by KPCL	Section Reference in Final EIA Report
3.	Greenbelt of 100 m width may be provided around the Port in lieu of proposed 50 m width. Also, 33 % of total area may be developed as Greenbelt.	conditions in these four mandals have been established. As per the Phase-II development plan, a minimum of 50 m wide Greenbelt would be developed all along port boundary especially at places where the villages are in proximity to the port. Also, it is proposed to develop 20 m wide greenbelt along the stockyards. The total area of proposed greenbelt is 80 ha, which is equal to 10% of total area for the Phase-II development of Port. Also, as part of Phase-I development of Port, 60 acres of area is being developed as Green belt. The likely impacts on air quality due to the proposed Phase-II developmental activities of the port have been predicted using ISCST3 model and the results show that the air quality parameters are found to be with in the standards stipulated by CPCB/MoEF. Since port development is a water front based facility and relatively less pollution intensive, it may not be required to allocate 33% of the total area for Green belt development.	Existing greenbelt details are discussed in Section 2.3.7.1 and proposed greenbelt details are provided in Section 2.5.15 of Chapter 2.
4.	Dedicated transportation for Krishnapatnam Port shall be developed to avoid inconvenience to the local people by using village roads.	The Government of Andhra Pradesh (GoAP) has developed a dedicated four lane road cum rail corridor from Venkatachalam on NH-5 to Krishnapatnam Port. This dedicated rail road link to the port will ensure quick movement of goods, safety to the local people and the existing traffic in the region as the NH-5 itself forms a part of the Six Lane Golden Quadrilateral. KPCL will also strictly adhere to the Environmental mitigation measures while transporting the cargo.	Section 2.5.13 of Chapter 2.
5.	Roads were damaged due to transportation of Iron Ore.	The dedicated four lane road now diverted the traffic from the village roads. Road damages, if any are however not directly related to Iron Ore transportation to the port, but due to overall ongoing developmental activities in the region.	Nil
6.	Port authorities have to take	All the fatalities (traffic accidents) caused are not directly related	Nil



ANDHRA PRADESH POLLUTION CONTROL BOARD
PARYAVARAN BHAVAN, A - 3, INDUSTRIAL ESTATE,
SANATHNAGAR, HYDERABAD - 500 018

Phone: 23887500
Fax: 040 - 23815631
Grams : Kalushya Nivasra
Website : www.appcb.ap.nic.in

Annexure - II

REGD.POST WITH ACK.DUE

CONSENT ORDER FOR ESTABLISHMENT

Order No.633/PCB/CFE/RO-NLR/HO/2010 390

Dt.08.05.2010

Sub: PCB - CFE - M/s. Krishnapatnam Port Co. Ltd., Krishnapatnam (V), Tammenapatnam (V), Narikellapalli (V), Pantapalem (V), Epuru (V), Muthukur (V), Muthukur (M), SPSR Nellore 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) CFE order No. APPCB/VJA/NLR/633/HO/2004, dt. 25.5.2004.
2) Environmental Clearance and CRZ Clearance dt. 13.11.2009 issued by MOE&F, GOI.
3) Industry's application received on 29.12.2009 & addl.information received on 1.2.2010.
4) R.O's inspection report dt. 15.2.2010
5) Industry's Ir.dt. 8.4.2010
6) CFE Committee meeting held on 8.4.2010.
7) Industry's Ir.dt. 19.4.2010

1. In the reference 3rd cited, an application was submitted to the Board seeking Consent for Establishment (CFE) for expansion of Phase-II development of Krishnapatnam Port to handle the cargo as mentioned below, with a project cost of Rs. 6000.0 crores (for expansion)

Sl. No	Existing capacity (Phase -I) (as per the CFE order dt.25.05.2004)		Proposed Expansion (Phase -II)	
	Type of Cargo	Quantity	Type of Cargo	Quantity
1	Coal	6 million tons /annum (Coal - 20000 to 30000 TPD)	Dry Bulk Cargo (Coal)	39 MTPA
2	Iron Ore	18 Million tons/ annum (60,000 to 80,000 TPD)	Container Cargo	3.30 Million TEUs/year
3	Fertilizers, Food grains, Sugar, Cement & Cement clinker, barites, Feldspar, Edible oils.	4 Million tons/annum	General Cargo	5.0 MTPA
4	-	-	Bulk Liquid Cargo (POL)	0.30 MTPA
	Total	28.0 Million tons/annum	Total	44.3 MTPA & 3.3 Million TEUs/year of container cargo

No. of Berths	2 Nos.	No. of Berths • Coal Berths – 5 Nos. (4 North port & 1 South port) • Container berths – 6 Nos. (1 North side + 5 South side) • General Cargo Berths – 2 Nos • POL berth – 1No.	14 Total length – 4100 m (North port – 2,000 m, South port – 2,100 m)

The developmental works as part of proposed Phase –II development of the port are as follows :-

- Breakwaters will be extended as follows :
 - North Breakwater – Length : 1312 m, Depth : (-) 5.5 m
 - South Breakwater – Length : 1624 m, Depth : (-) 5.8 m.
 - Dredging of existing approach channel, berths and turning circle for adequate depths
 - Dredging quantity : 52 million cu.m
 - Dredging material to be used for reclamation : 9 million cu.m
 - Dredge material to be disposed at 20m. depth & beyond : 43 million cu.m.
 - Exclusive conveying system of length 12 m for Ultra Mega Power Projects (UMTT), APGENCO Power Plant, Southern side Power Plants.
2. As per the application, the above activity is to be located within the existing port area located at Krishnapatnam (V), Tammenapatnam (V), Narikellapalli (V), Pantapalemn (V), Epuru (V), Muthukur (V), Muthukur (M), SPSR Nellore district.
 3. The above site was inspected by the Environmental Engineer, Regional office, Nellore, A.P Pollution Control Board on 9.1.2010 and found that the site is surrounded by

North : Vacant lands

South : Bay of Bengal

East : Kandaleru Creek

West : Kandaleru Creek
 4. The Board, after careful scrutiny of the application and verification report of Regional Officer, hereby issues CONSENT FOR ESTABLISHMENT for Expansion to your activity 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 Schedule 'A' and Schedule 'B'.

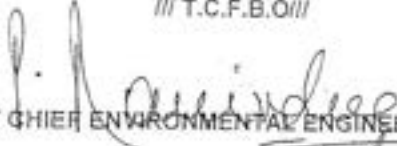
6. This order is issued from pollution control point of view only. Zoning and other regulations are not considered.

Encl: Schedule 'A'
Schedule 'B'

Sd/-
MEMBER SECRETARY

✓
To
M/s. Krishnapatnam Port Co. Ltd.,
#1259, Lakshmi Towers,
Road No.36, Jubilee Hills, Hyderabad - 500 033

/// T.C.F.B.O///

2/5  JOINT CHIEF ENVIRONMENTAL ENGINEER (CFE)
 10/5/10

Solid Waste:

18. The proponent shall comply with the following:

Sl. No.	Solid Waste	Quantity	Method of Disposal
1.	Domestic use	250 kgs./day	After composting, Biodegradable waste is proposed to be used as manure. Non Biodegradable waste will be disposed to approved vendors.
2.	STP sludge	-	To be used as manure.

19. The following rules and regulations notified by the MOE&F, GOI shall be implemented.
- Hazardous waste (Management, Handling and Transboundary Movement), Rules, 2008.
 - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989.
 - Coastal Regulatory Zone (CRZ) Notification, 1991.
 - Municipal Solid Waste (Management & Handling) Rules, 2000 & amendments thereof.
20. The storage facilities of fuel oils shall be made in well designated area where risk is minimum to storage facilities to prevent fire hazard and unauthorized access to unauthorized elements.
21. Fire detection and fire fighting facilities with adequate water storage facility shall be provided in fire prone area in consultation with Directorate of Fire Fighting.
22. 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.
23. In case of any leakage container of hazardous cargo is found, permission shall be obtained from the Board for disposal after establishing type and quantity of the waste.

Other Conditions:

24. Green belt of width 100 m shall be developed along the boundary of the industry as committed by the proponent. The greenbelt shall be under taken in an area of 167.5 ha in phase-II. Green belt development shall be started along with the construction activity.
25. The industry shall implement the commitment given in action plan submitted vide Ir.d. 19.4.2010 with in the scheduled time period and shall submit compliance to the concerned Regional Officer.

KRISHNAPATNAM PORT COMPANY LTD.



Ref. No. KP/MoEF/90

Date: 11th June, 2010

To

The Director (S)
Ministry of Environment & Forests (MoEF)
Regional Office (Southern Zone)
Kendriya Sadan, 4th Floor
E&F Wings, 17th Main Road
2nd Block, Koramangala
Bangalore - 560 034

Kind Attn: Dr. A. B. Harapanahalli

Sub: Submission of Half Yearly Compliance Reports of Krishnapatnam Port Phase- I & II Environmental Clearances for period - September, 2009 to March, 2010 - Reg.

Ref: 1. MoEF Clearance Letter No. 10 -22/2005-IA.III dated 26.07.2006 for Krishnapatnam Port Phase-I
2. MoEF Clearance Letter No. 11-62/2009-IA.III dated 13.11.2009 for Krishnapatnam Port Phase-II

Dear Sir,

Please find herewith enclosed condition wise compliance reports of above cited MoEF Environmental Clearances for Krishnapatnam Port Phase-I&II respectively. As desired, we are also enclosing results of monthly Environmental Monitoring Reports of Krishnapatnam Port Phase-I for period of six months from September, 2009 to March, 2010.

The analysis of Environmental Monitoring Reports for the quarter ending December, 2009 & March, 2010 are also enclosed.

Thanking you,

Yours faithfully,
for **KRISHNAPATNAM PORT CO. LTD.,**


(M.A.R. ANSARI)
President (Engineering)

Enclosures:-

1. Compliance Reports for Phase-I & II
2. Monthly Progress Reports from September, 2009 to March, 2010
3. Quarterly analysis reports for December, 2009 & March, 2010

DEVELOPMENT OF KRISHNAPATANAM PORT

Environmental Clearance Compliance Report for Phase-II

Period
November 2009 to March 2010

Action taken on MOEF Clearance for Krishnapatnam Port -Phase-II dated 13.11.2009

Sl.No.	Observations as per MOEF	Action taken
5. Specific Conditions		
1.	All the conditions as stipulated by the Forests & Environment Department, Govt. of Andhra Pradesh vide letter No.2286/CZMA/2009, dated 11.05.2009 shall be strictly complied.	Noted
2.	All the details / information submitted by the project proponent vide letter No.KP/MOEF/PH-II/174, dated 17.08.2009 shall be strictly complied.	Noted
3.	The hydro-dynamic studies shall be undertaken to ascertain the impact to the shoreline in the stretch and ecologically sensitive areas and the report shall be submitted to the Ministry.	The hydro-dynamic studies to ascertain the impact of port development to the shoreline in the stretch have been carried out through M/s.HR Wallingford, London. No long term impact is noticed due to minimal net drift along the coastline. However as recommended by them in their report dated October, 2007 – 7 Kms. both North and South of the coastline is being monitored through M/s.Indian National Centre for Ocean Information Services, Hyderabad using satellite imagery. From the INCOIS report for the years ending October, 2008 and January 2010 the coastline is found to be stable. Further studies are being continued.

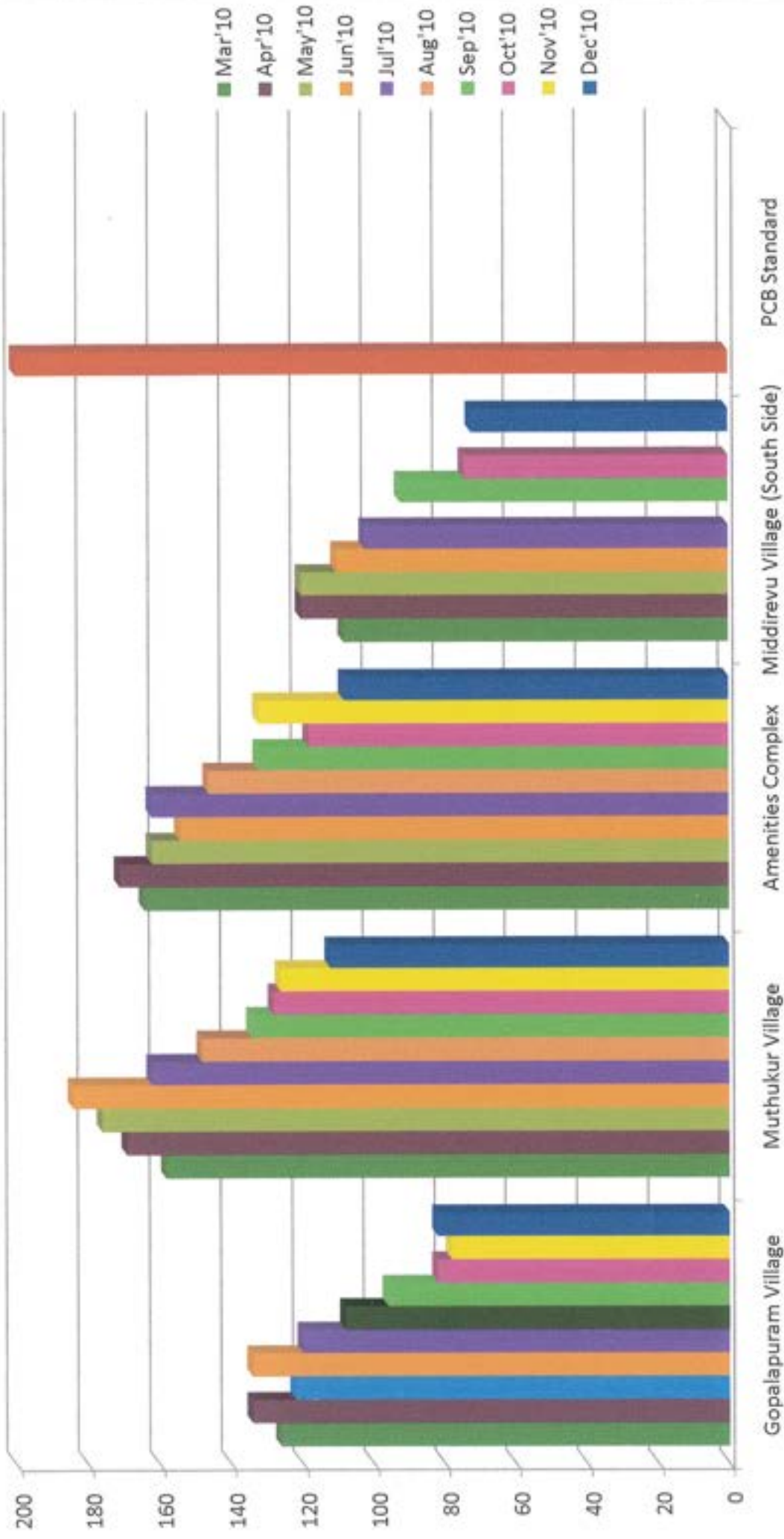
4.	Ministry has taken a decision that the plantation of mangroves shall be undertaken on an area of 50 ha., as the Phase-II of the project spreads over 800 ha.	As the mangroves are highly sensitive to the soil conditions and the tidal and hydrological conditions, suitable areas around the port are being identified through the District Administration for allotment of land for development of mangroves as a part of Phase-II of the project.
5.	Six monthly monitoring shall be carried out and a comparative analysis shall be made to examine for any mitigative measures required.	Periodic monitoring of various parameters is being carried out and six monthly comparative analysis reports are being made to identify mitigative measures required of any
6.	The temperature, salinity and tidal inflow shall be monitored weekly.	These are the studies prescribed for the Intake Pump House. The parameters would be monitored on commissioning of the Desalination Plant.
7.	The greenbelt of 100 m. width shall be developed around the coal stack yard as per the request in the public hearing.	As per the request in the public hearing 100m width of Greenbelt is being developed around the port boundary.
8.	Impact on the drawal of the water from the Kandaleru Creek shall be regularly monitored and report submitted to the Ministry.	The pattern of siltation, currents and impact on Navigation at the Intake Pump House will be monitored on commissioning the facility.
9.	Continuous monitoring on disposal of dredged material shall be put in place for both pre and post monsoon periods.	The dispersion of dredged material at the dumping grounds shall be monitored during the process of capital dredging.
10.	No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	No construction work other than that permitted in Coastal Regulation Zone Notification shall be carried out in CRZ Area. (500m from Coast and 200m from Khandaleru).

Annexure - IV

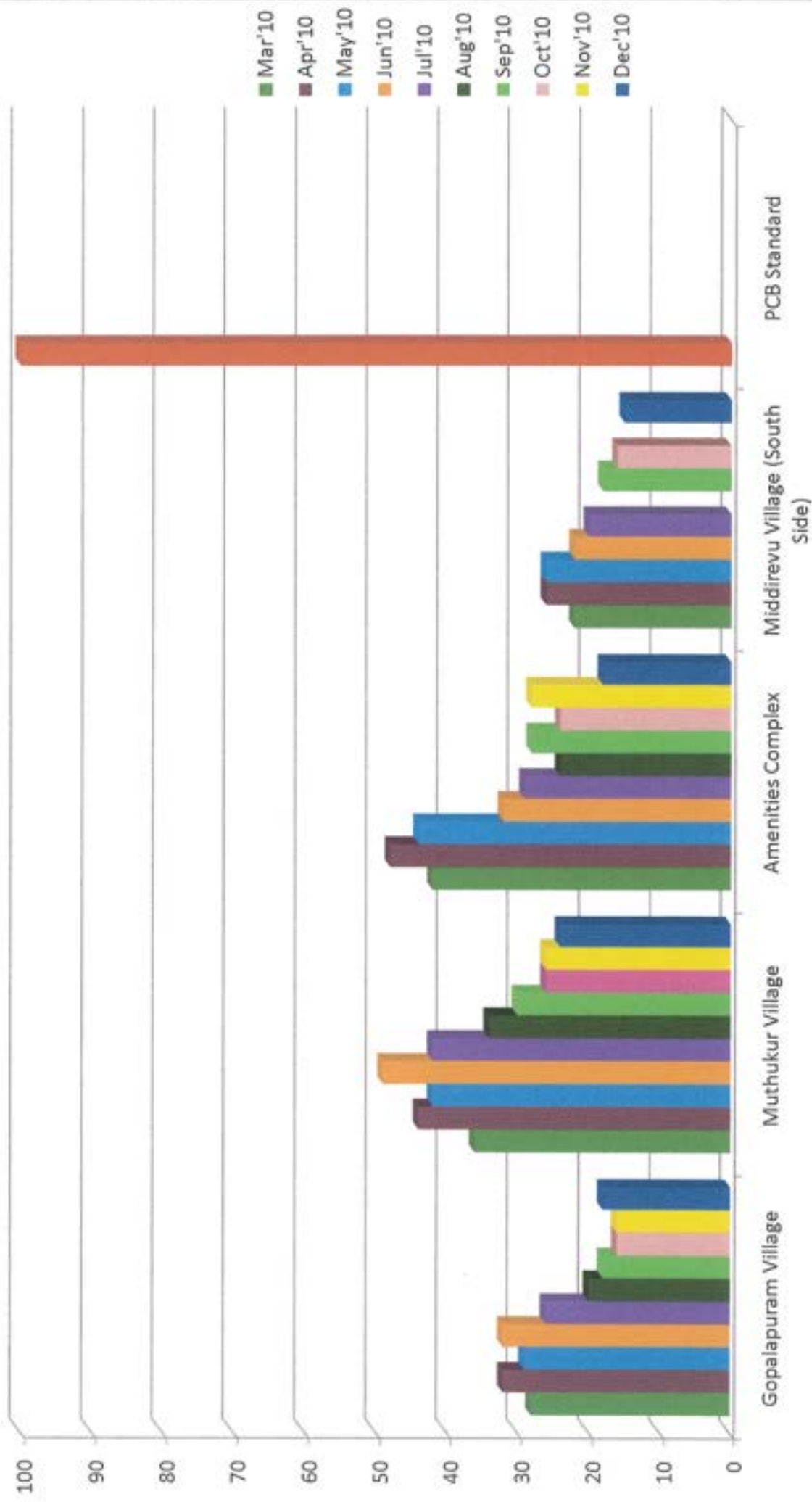
Krishnapatnam Port Company Limited

Pictorial presentation of Ambient Air Quality Monitoring data along the Port Boundary for the period 2010, 2011 and 2012 (upto July)

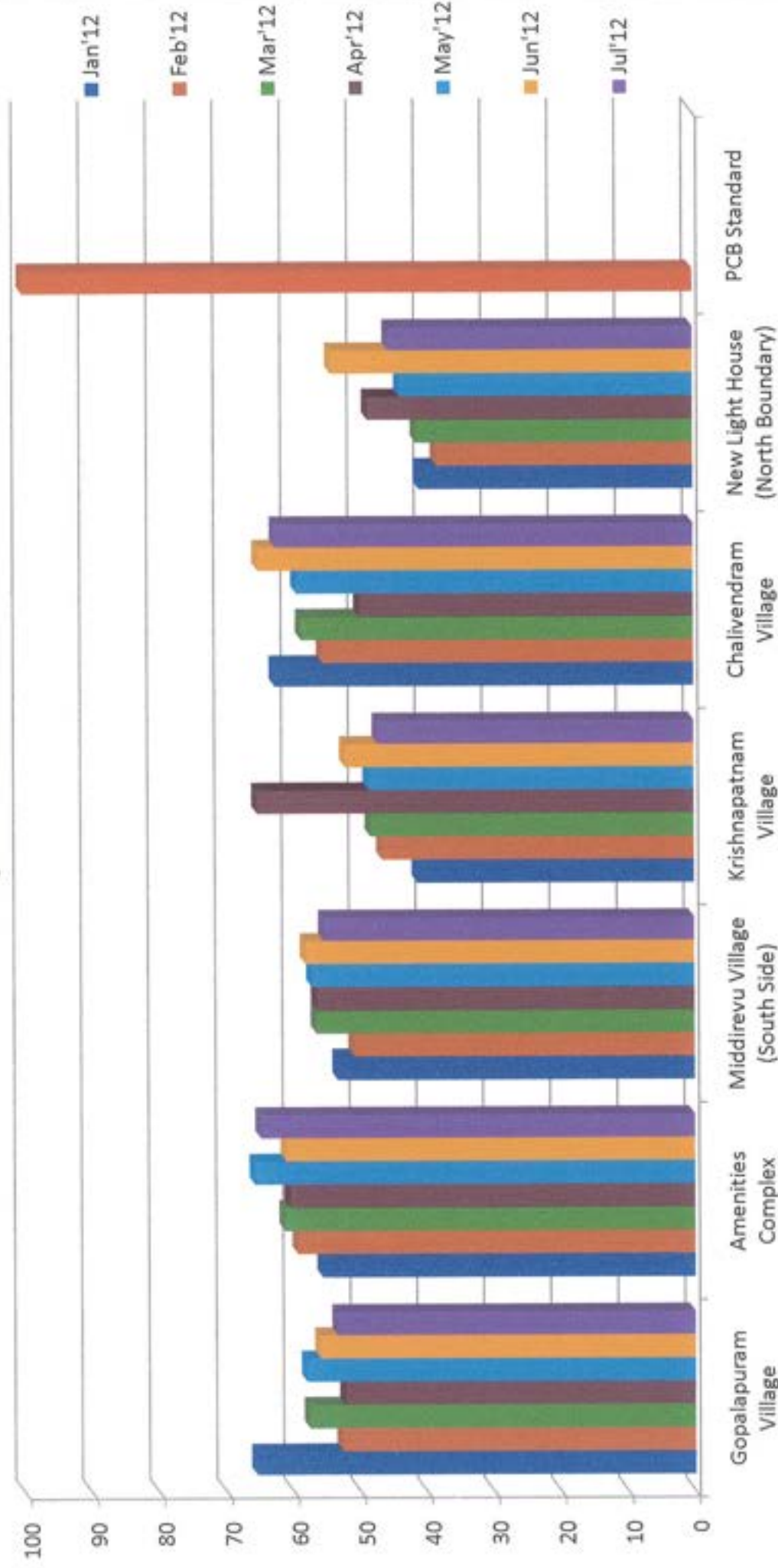
Ambient Air Quality of Total Suspended Particulate Matter (TSPM) Along Boundary of Krishnapatnam Port during the Year 2010



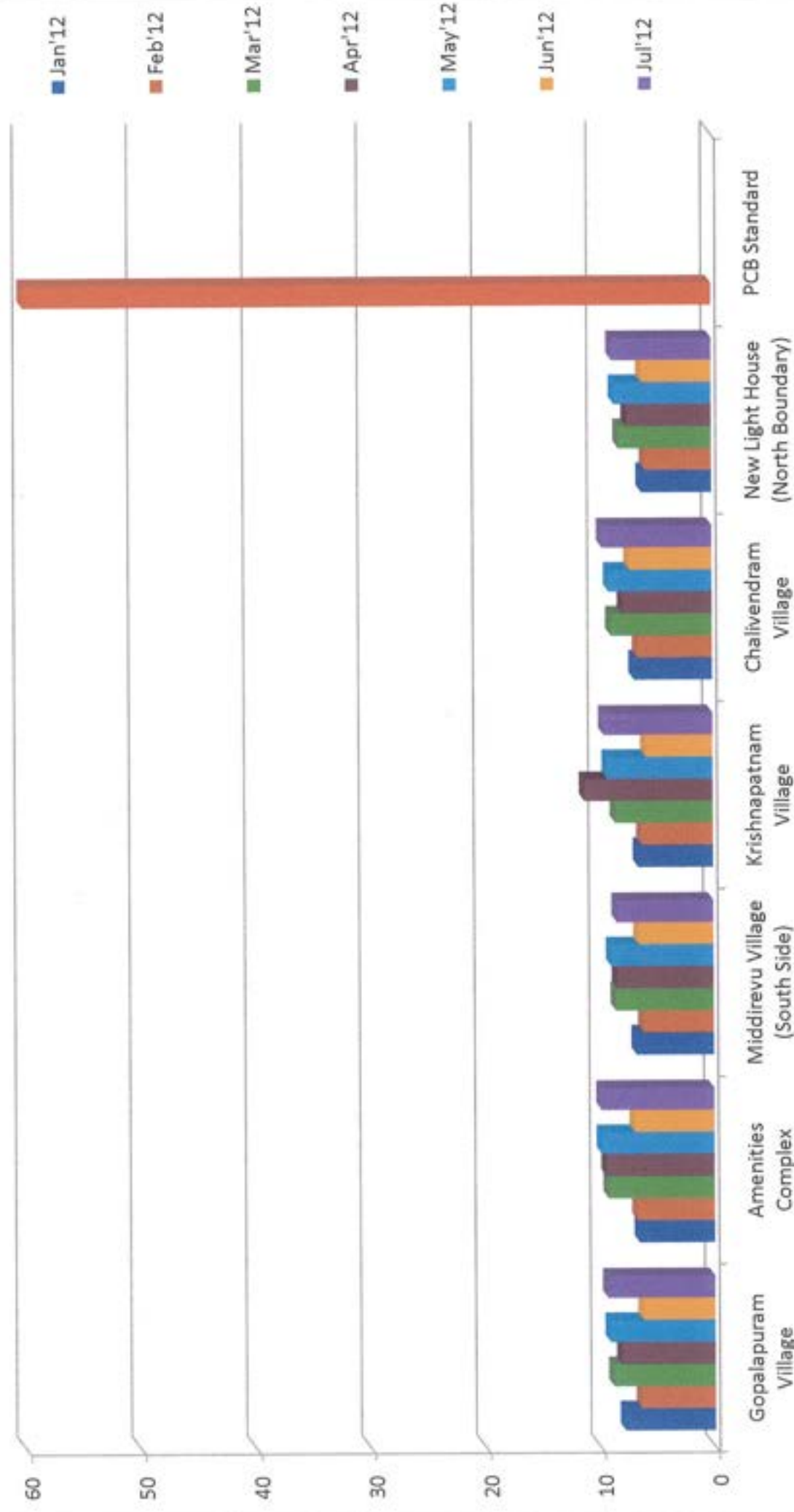
Ambient Air Quality of Respirable Suspended Particulate Matter (RSPM/PM₁₀) Along Boundary of Krishnapatnam Port for the Year 2010



Ambient Air Quality of Respirable Suspended Particulate Matter (RSPM/PM₁₀) Along Boundary of Krishnapatnam Port during the year 2012



Ambient Air Quality of Particulate Matter ($PM_{2.5}$) Along Boundary of Krishnapatnam Port during the year 2012



MOCK DRILL REPORT

Name of the Mock Drill	Oil Spill during Bunkering
Type of Mock Drill	Mock Drill - Marine
Date	23.08.2025
Location of the Event	Northwest Berth-03
Description of the event	MT RAFFLES PRIDE, while at Berth NW3, reported a small oil spill during bunkering operations at 1100 hrs. Approximately 15 liters of oil was spilled. The vessel immediately ceased bunkering operations, and Port Control was informed. The situation was treated as an emergency, and response procedures were activated.
Event	Spilled oil clean-up operations
Mock drill conducted by	Junead. Shaik
Name of the Observers	Capt. Rajat Garg
Command/control	Capt. B Sahoo
Emergency declared at (Time)	23/1100 Hrs.
All Clear declared at (Time)	23/1205 Hrs.
Emergency Actions:	
Time: 23/1100 hrs.	MT RAFFLES PRIDE reported oil spill during bunkering to Port Control.
Time: 23/1103 hrs.	Vessel master instructed to stop bunkering and initiate oil pollution response measures.
Time: 23/1105 hrs.	Port Control escalated to HOD, HOS, Port Control In-charge, and Oil Pollution Response Team. Fire & Medical Services informed.
Time: 23/1125 hrs.	Vessel master confirmed bunkering stopped; estimated 15 liters spilled. Crew kept on standby.
Time: 23/1137 hrs.	Vessel crew began oil recovery operations onboard and reported to Port Control.
Time: 23/1150 hrs.	Port Control verified cleaning operation using OPRC equipment.
Time: 23/1200 hrs.	Vessel and Berthing Officer confirmed recovery completed. Approx. 15 liters collected and handed to EHS for disposal.
Time: 23/1205 hrs.	Emergency drill called off. All participants were instructed for debriefing, and concerned departments informed.

Items/ resource consumed	Boats
No. of persons reported at assembly point (Attach list)	10 Members
No. of people inside the area/ building (Attach list)	08 Crew on board
No. of vehicles/ equipment evacuated	Nil
No. of vehicle /equipment inside the area	Boats used (617, 1 fiber Boats)
No of the people sent outside at safe place from assembly point	Nil
No. of victims rescued	Nil
No. of people injured. a. Minor injuries b. Major injuries c. No.of victim Hospitalized. d. Fatal	Nil
No. of the Rescue team involved.	Departments Safety +Ambulance and Security No. of persons 1+ 2+11
Type of vehicle / equipment used in drill.	Vehicle/ Equipment Boats No's 2 Reg. Number IV & IRS Class

Time taken for the drill : 1 hour 5 Mins.

Task	People Evacuation	Vehicle/ Equipment Evacuation	Fire Extinguishing	Rescue Operation	Total
Target	minutes	minutes	minutes	minutes	minutes
Actual	Min	N/A	N/A	35 Mins	35 Mins

Observations	Observer-1:
	Timely Response: Vessel crew and Port Control acted promptly, ensuring the spill was contained without spreading. Coordination: Communication between vessel, Port Control, and Oil Pollution Response Team was effective and continuous. Reporting Gaps: Incident timings and details were not initially recorded accurately in the Marine report. This needs improvement for accountability. Equipment Readiness: OPRC equipment (booms, skimmers, fiber boats) was available and deployed quickly, reflecting good preparedness. Waste Handling: Collected oil (~15 liters) was properly handed over to EHS for safe disposal, complying with environmental protocols. Training Need: Some gaps were noticed in immediate logging/documentation, indicating the need for refresher training for Radio Officers and Berthing Officers. Overall Performance: The drill was completed successfully within 65 minutes, demonstrating operational efficiency.

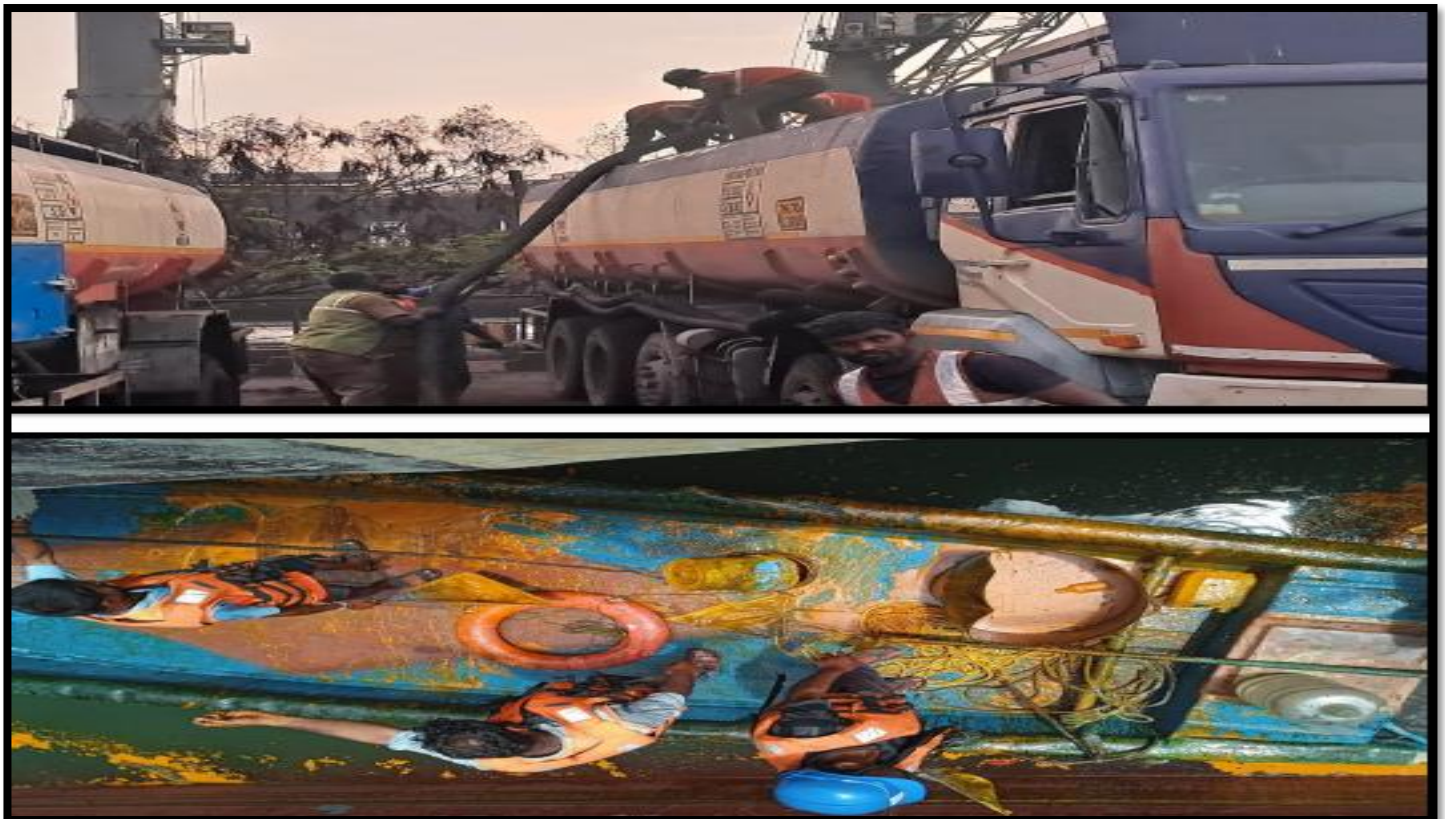
	Action Plan/ Preventive Measures	Responsibility	Target Date
	1. Ensure all incidents and spill timings are correctly recorded in Marine reports. 2. Daily shift review meetings to be conducted by Radio Officers. 3. Regular oil spill response drills to improve readiness. 4. Periodic checks of OPRC equipment for immediate deployment. 5. Strict adherence to communication and escalation protocols. 6. Safe disposal of collected oil through EHS. 7. Conduct post-drill debriefing to identify gaps and corrective actions.	Port Control	Immediate

Drill conducted and prepared by:



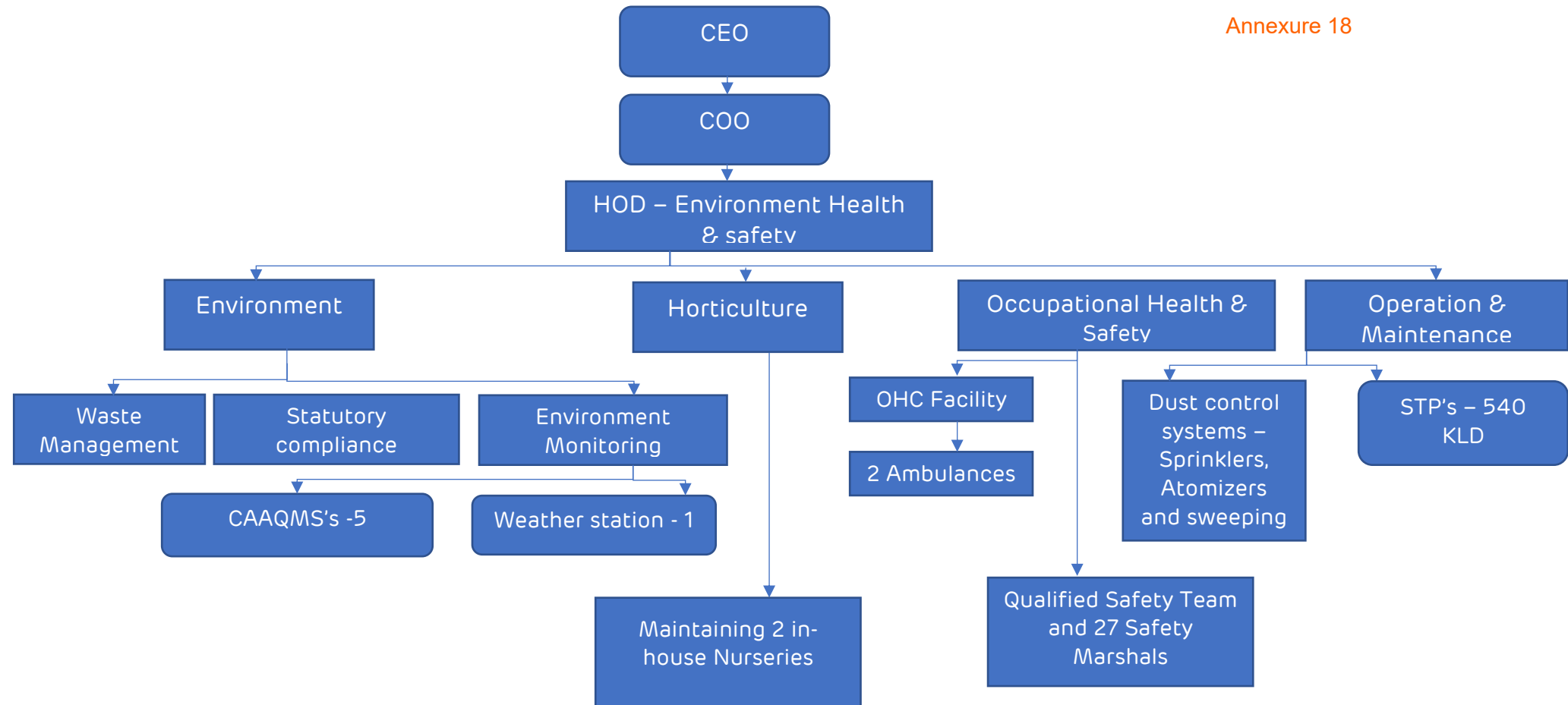
Junead. Shaik
In charge – Port Control
Marine.

Pictures of the Event



Environment Cell

Annexure 18



**F. No. 11-62/2009-IA.III
Government of India
Ministry of Environment & Forests
(IA.III Division)**

**Room No. 534,
Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi-110003.**

Dated: 2 March 2010

CORRIGENDUM

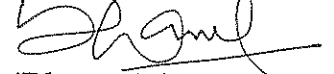
Subject: Environmental and CRZ clearance for Phase II Development of Krishnapatnam Port at Krishnapatnam, Sri Potti Sriramulu Nellore District, Andhra Pradesh by M/s. Krishnapatnam Port Company Ltd - Reg.

Sir,

This has reference to your letter No. KP/MoEF/PH-II/12 dated 19.01.2010 regarding change of the conditions. In this context, attention is invited to this Ministry's letter of even no. dt. 13.11.2009. The condition No. (xxii) be deleted and in condition (xxiii), the reference VOC be deleted.

The all other terms and conditions clearance letter of even no. dated 13.11.2009 remain unchanged.

Yours faithfully,


**(Bharat Bhushan)
Director (IA)**

Copy to:

1. The Principal Secretary, Director (Environment), Forests & Environment Department, Government of Gujrat, Block No. 14, 8th floor, Sachiyalaya, Gandhinagar - 382 010.
2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
3. The Chairman, Andhra Pradesh State Coastal Zone management Authority & Additional Secretary, Government of Andhra Pradesh, Environment and Forests Science and technology Department, Secretariat, Hyderabad - 500 022
4. The Member Secretary, Andhra Pradesh Pollution Control Borad, Hyderabad.
5. The Chief Conservator of Forests, Ministry of Environment and Forests, Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No. 3, Ravishankar Nagar, Bhopal - 462016 (M.P.).
6. Guard File.
7. Monitoring Cell.


**(Bharat Bhushan)
Director (IA)**

adani

Ports and
Logistics

Ref. No. AKPL/EC/APPGB/125/2024-25

Date: 09.01.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office
SPSR Nellore,
Andhra Pradesh



Dear Sir,

Sub:- Adani Krishnapatnam Port Limited (AKPL) - Complying with Condition para No. 10 of Phase II Amended EC & CRZ dated 22.08.2016-Submission of Environmental Monitoring report - Reg.

Ref:- 1. Issue of Show cause Notice F.No. 19-122/2011-IA-III, dated 11.01.2013.
2. EC & CRZ clearance for Phase II Development of KPCL at SPSR Nellore F.No. 11-62/2009-IA,III, dated 02.06.2015.
3. Amend EC & CRZ Clearance for Phase II Development of KPCL para No.10 F.No. 11-62/2009-IA,III dated 22.08.2016.

@@@

We submit that Adani Krishnapatnam Port Limited (AKPL) is an operational port located at Krishnapatnam (Village & Post), Muthukur (M), SPSR Nellore District.

The Ministry of Environment, Forests & Climate Change, New Delhi has accorded Environmental & CRZ Clearance to AKPL vide reference cited above for the development of Port under EC & CRZ clearance for Phase II Development of KPCL at SPSR Nellore with letter No. F.No. 11-62/2009-IA,III, dated 02.06.2015 and Amendment of EC & CRZ Clearance for Phase II Development of KPCL with letter No.F.No. 11-62/2009-IA,III dated 22.08.2016. (Copy of the EC & CRZ Clearance is attached herewith for your kind reference).

As per the Phase II Amended EC & CRZ letter No. F.No. 11-62/2009-IA,III dated 22.08.2016 Condition under para No. 10 stipulates that:

"The APCZMA is requested to essentially monitor the development activities of the company and take action under the law in case of violation, if any. In addition, National Centre for Sustainable Coastal Management(NCSCM) together with Society of Integrated Coastal Management (SICOM) shall undertake monitoring once in four years to ensure that no further vilolation takes place even unintentionally." However the copy of Annual report submitted by the Project Proponent to the Regional Office should be made available to NCSCM.

Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

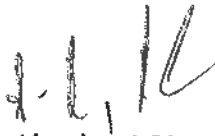
Tel +91 861 237 7999
Fax +91 861 237 7046
info@adani.com
www.adaniports.com

Complying with the above condition, a detailed Environmental Monitoring of Phase II development of AKPL was prepared through M/s. National Centre for Sustainable Coastal Management (NCSCM). As per the MoEF & CC, EC & CRZ Clearance.

We, therefore submitting herewith the First and second Half yearly Monitoring reports to comply with the Phase II EC & CRZ Clearance stipulated condition.

Thanking You,

Yours Faithfully,
For **M/s Adani Krishnapatnam Port Limited,**



(Authorized Signatory)

Encl: a/a

CC: The Member Secretary,
Andhra Pradesh Coastal Zone Management Authority (APCZMA),
O/o Andhra Pradesh Pollution Control Board,
Paryavaran Bhavan, APPIIC Colony Road, Gurunanak Colony,
Autonagar, Vijayawada – 520007.

Ref. No. AKPL/EC/ENV/126/2024-25

Date: 09.01.2025

To

Ramakrishna, IFS,
CCF & Member Secretary,
AP State Biodiversity Board,
Nagarjuna Nagar, Nagarjuna University, NH-5,
Guntur District, Andhra Pradesh.

Dear Sir,

Sub:- Adani Krishnapatnam Port Limited (AKPL) – Complying with Phase III expansion of EC & CRZ clearance Condition No. VIII under Marine ecology stipulates – Submission of Marine Biodiversity Management Plan- Reg.

Ref:- EC & CRZ Clearance Order No.10-18/2016-IA-III dated 11.01.2021 accorded to AKPL by the Ministry of Environment, Forests & Climate Changes, New Delhi.

@@@

We submit that Adani Krishnapatnam Port Limited (AKPL) is an operational port located at Krishnapatnam (P), Muthukur (M), SPSR Nellore District.

The Ministry of Environment, Forests & Climate Changes, New Delhi has accorded Environmental & CRZ Clearance to AKPL vide reference cited above for the development of Port under Phase – III (Copy of the EC & CRZ Clearance is attached herewith for your kind reference).

As per the EC & CRZ Condition No. VIII under Marine ecology stipulates that:

"A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and freshwater 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,

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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."

Complying with the above conditions, a study on Comprehensive Biodiversity Assessment, Impact Assessment and Management Plan was prepared through M/s. Suganthi Devadason Marine Research Institute (SDMRI). As per the MoEF & CC, EC & CRZ Clearance.

We, therefore submit herewith the study report to comply with the EC & CRZ Clearance stipulated condition.

Thanking You,

Yours Faithfully,

For M/s Adani Krishnapatnam Port Limited,



(Authorized Signatory)

Encl: a/a

Cc:

Environment Engineer,
A.P Pollution control Board,
Regional Office, SPSR Nellore,
Andhra Pradesh.

Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
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Ports and
Logistics

Date: 09.09.2022

Ref: AKPL/APCZMA/2022-23/069

To,

Member Secretary,

Andhra Pradesh Coastal Zone Management Authority (APCZMA),

D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,

Chalamvari Street, Kasturibaipet

Vijayawada – 520 010.

Subject: Compliance to specific condition no-viii given in CRZ recommendation letter granted by APCZMA for Phase-III expansion at Adani Krishnapatnam Port Limited (AKPL) – for information

Reference:

1. CRZ Recommendation letter granted by APCZMA for phase-III expansion at AKPL (Annexure – 1)
2. EC&CRZ clearance letter granted by MoEF&CC for phase-III expansion at AKPL (Annexure – 2)

Dear Sir,

This has reference to the above stated subject matter. In this connection, AKPL would like to inform on the status of compliance of specific condition no. viii granted in CRZ recommendation letter as below:

Condition No	Condition	Compliance Status
Part A: Specific Conditions -viii	The applicant shall ensure that continuous monitoring systems of all likely affected parameters including air/fish/flora/fauna/water quality/ wastewater discharges/solid waste disposal/construction material disposal etc., are installed and reports shared with the <u>National Institute of Oceanography (NIO)</u> on continuous basis and a monthly report submitted to	Details of various environmental monitoring carried out at AKPL is as given below: 1. AKPL is carrying out regularly monitoring of various environmental parameters viz., Ambient Air Quality, Ambient Noise, Marine Water Quality, Marine Sediment Quality, Surface water quality, Ground Water and Soil Quality in and around of the port area through M/s. SV ENVIRO LABS & CONSULTANTS accredited by MoEF & CC and NABL and copy of accreditation is attached as Annexure-

Adani Krishnapatnam Port Ltd
(Formerly Krishnapatnam Port Company Ltd)
PO Bag No 1
Muthukur Mandal
SPSR Nellore 524 344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

Tel: +91 861 237 7999
Fax: +91 861 237 7046
info@adani.com
www.adaniports.com

Condition No	Condition	Compliance Status
	the APPCB by the <u>NIO</u> , all through construction period and at least for one year after commencement of operations.	3. Frequency of monitoring being carried out and submission to PCB is attached as Annexure – 4. 2. Three CAAQM stations are already established and the same are connected to APPCB website. Screenshot of the three CAAQMs linked with APPCB portal is given in Annexure-5. 3. In addition to above, as per MoEF&CC, vide letter dated 2nd June 2016 and 22nd August 2016 "National Centre for Sustainable Coastal Management (NCSCM) together with Society of Integrated Coastal Management (SICOM) shall carry out the annual monitoring once in a four year. This survey was conducted in year 2018 and recently in 2022, it includes air and noise quality assessment, meteorological observations, analysis of the physicochemical parameters and Petroleum Hydrocarbon (PHC), assessment of plankton ecology and characterization of sediments in AKPL area including the coast. In addition, mangrove diversity and green cover of the AKPL were also studied and existing oceanographic conditions were documented. Copy of latest NCSCM report is enclosed herewith for your ready reference. 4. AKPL is in process of engaging the SDMRI for Preparation of "Biodiversity Management Plan on marine, brackish water and fresh water ecology and



Condition No	Condition	Compliance Status
		biodiversity for Marine & Terrestrial for Krishnapatnam Port". This report will also include comprehensive monitoring mechanism for effective implementation. This study will be carried out in compliance with other conditions given in Phase-III expansion of EC & CRZ Clearance i.e., EC & CRZ clearance: Special Condition-(v & viii), Part B: VII. Marine Ecology (ii & iii).

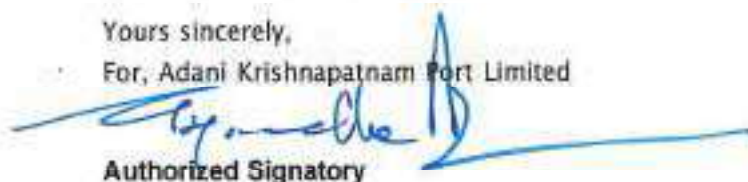
Further to comply with the above said condition, AKPL had contacted NIO and shared details on specific condition-viii as mentioned above to validate the monitoring reports as generated by accredited/reputed agencies and do necessary validation for monthly submission to APPCB.

In this regard, NIO refused to accept the data generated by any third party and proposed to generate data on their own for submission to APPCB as part of compliance. This is resulting into duplication of work and unnecessary cost to company. As explained above the monitoring is already being carried out by NABL & MoEF & CC accredited agency or reputed institutes such as NCSCM etc. and therefore validation of the data generated by such agency may not be required.

Hence, we understand that the above stated specific condition is being fully complied in letter and spirit and our above submission is in line with the requirements and therefore considered as fully complied.

Thanking you,

Yours sincerely,
For, Adani Krishnapatnam Port Limited


Authorized Signatory



ANDHRA PRADESH POLLUTION CONTROL BOARD
D.No. 33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamalavari Street, Kasturibaipet, Vijayawada – 520010.

Website: www.pcb.ap.gov.in

CONSENT ORDER FOR ESTABLISHMENT

Order No: 633/APPCB/CFE/RO-NLR/HO/2010

Dt. 25.02.2021

Sub: **APPCB – CFE - M/s. Krishnapatnam Port Co. Ltd., Krishnapatnam (V), Muthukur (M), SPSR Nellore District – Consent for Establishment (CFE) 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. CFE order No.633/PCB/CFE/RO-NLR/HO/2010, dt.08.05.2010.
 2. CFE amendment order dt. 22.02.2018 for change of Cargo mix without change in overall cargo handling capacity
 3. EC & CRZ clearance order dt.11.01.2021 accorded for Port development by the MoEF & CC, GOI, under Phase-III.
 4. CFE application received on 27.01.2021 through APOCMS.
 5. R.O's inspection report dt. 12.02.2021.
 6. CFE Committee meetings held on 18.02.2021 & 23.02.2021.
 7. Proponent Ir dt.19.02.2021

1. In the reference 4th cited, an application was submitted to the Board seeking Consent for Establishment (CFE) expansion (Phase-III) of the Port for Cargo handling, as mentioned below, with an additional investment of Rs.9070 Cores.

S. No.	Type of Cargo	As per CFE amendment order dt.22.02.2018	As per CFO order dt.29.07.2018 & Amendment order dt.10.02.2020	Proposed expansion under Phase-III	Total after expansion
1.	Coal	51 Million TPA	51 Million TPA	88 Million TPA	139 Million TPA
2.	Iron Ore	8 Million TPA	8 Million TPA	-	8 Million TPA
3.	General Cargo (Fertilizers, granites, Edible Oil and Lube oils, others)	9 Million TPA	9 Million TPA	10.5 Million TPA	19.5 Million TPA
4	Liquid Cargo (POL, LNG, LPG, Chemical products)	4.3 Million TPA (dropped due to expiry of EC validity period)	--	51.7 Million TPA	51.7 Million TPA
5.	Container Cargo	3.3 Million TEUs/ Annum (dropped due to expiry of EC validity period)	2.0 Million TEUs/ Annum	1.1 Million TEUs/ Annum	3.1 MTEUs/ Annum

	Total	72.3 Million TPA + 3.3 Million TEUs/Annum	68.0 Million TPA Non-container cargo + 2.0 Million TEUs/A container cargo	150.2 Million TPA Non-container cargo + 1.1 Million TEUs/Annum Container cargo	218.2 Million TPA Non-container cargo + 3.1 Million TEUs/Annum Container cargo
6.	No. of Berths	17 Berths	12 Berths	16 Berths (including 3 Nos. of handling Liquid cargo) + 3 Single Buoy Moorings (SBM)	28 Berths (including 3 Nos. of handling Liquid cargo) + 3 Single Buoy Moorings (SBM)

The proposed berth requirement of 16 Nos. under Phase –III to handle the envisaged traffic is placed below:-

Type of Cargo	No. of Berths to be developed	Location	Berth * Numbers
Coal	7	North Dock	N9, N10, N11, N13, N14, N15 and N16
General Cargo	4	North West dock	NW4, NW5
		South Quay	S1
		North Dock	N12
Container Cargo	2	West Dock	W1 and W2
Liquid Cargo (LNG / LPG/ POL/ Chemicals)	3	--	L2, L3 & L4
Total excluding SBMs (Liquid Cargos)	16		
Three Single Buoy Moorings SBMs for Liquid Cargos, POL & other products		Geo-Coordinates 1) 14 ⁰ 14' 00" N 80 ⁰ 18' 12" E 2) 14 ⁰ 12' 54" N 80 ⁰ 19' 06" E 3) 14 ⁰ 17' 00" N 80 ⁰ 17' 48" E	

* The berth numbers shall be indicated on the berths.

- As per the application, the above activity is to be located in the existing premises of **Krishnapatnam (V), Muthukur (M), SPSR Nellore District** in an area of 1094Ha.
- The above site was inspected by Environmental Engineer (FAC) and Asst. Environmental Engineer, Regional Office: Nellore, A.P Pollution Control Board on 02.02.2021 and found that the site is in the Krishnapatnam Port.
- 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.

Nambada
Venkata
Bhaskara Rao

Digitally signed by Nambada Venkata Bhaskara Rao
DN: c=IN, o=Personal, title=6948, pseudonym=68b93d9669e19334217defc1a9ad1550f1f8180c, 2.5.4.20=b1924c79dadafa662cbdd8f5e867fbd84d89cb55e3528c612408ebfc1a150c6f, postalCode=530007, st=Andhra Pradesh, serialNumber=bddd3ae851a34cd26cc18bd7d0a7376274445a2a026108270d9825704dbdece9, cn=Nambada Venkata Bhaskara Rao
Date: 2021.02.25 16:57:05 +05'30'

JOINT CHIEF ENVIRONMENTAL ENGINEER (UH-1) (FAC)

To
M/s. Krishnapatnam Port Co. Ltd.,(expn)(Phase-III),
Krishnapatnam (V), Muthukur (M),
SPSR Nellore District.
environment.akpl@adani.com

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

ANNEXURE

1. The proponent 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 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 is Muthukur Reservoir of 1000 KLD and 4 MLD of water from Nakkala kalava irrigation drain. The maximum permitted water consumption after proposed expansion is as following:

S. No.	Purpose	Qty as per CFO (Phase-1 & 2) (KLD)	Proposed in Expansion under Phase-III (KLD)	Total after expansion (KLD)
1.	Dust suppressions & other utilities	1600.0	1700	3300
2.	Gardening	300.0	200	500
3.	Domestic	600.0	600.0	1200.0
	Total:	2500.0 KLD	2500.0 KLD	5000.0 KLD

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 purposes, Washing and servicing, development of greenery.

5. Waste water generation:

S. No.	Purpose	Qty as per CFO (Phase-1 & 2) (KLD)	Proposed in Expansion under Phase-III (KLD)	Total after expansion (KLD)
1.	Other Utilities	-	240.0	240.0
2.	Domestic	300.0	450.0	750.0
	Total	300.0 KLD	690.0 KLD	990.0 KLD

Treatment & Disposal (As per EC order):

Source of effluent	Treatment	Mode of final disposal
Domestic	Sewage Treatment Plant of capacity of 700 KLD consisting of Sewage collection Sump, Fluidized Bed Bio Reactor, Secondary clarifier, Clarifier Water Tank, Dual Media Filter, Treated water tank, Sludge drying beds etc.	Treated domestic effluents shall be utilized for Green belt development and dust suppression

Utilities	Effluent Treatment Plant of 300 KLD capacity consisting of Neutralization tank, Equalization tank, Oil Grease trap, flash mixing tank, clariflocculator, aeration tank, secondary clarifier, holding tank, pressure sand filter, activated carbon filter, sludge drying beds etc. for treating effluents	Treated effluent shall be reused for green belt and for dust suppression.

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:

The Air pollution Control equipment shall be installed along with the commissioning of the activity and shall comply with the following for controlling air pollution:

S. No.	Details of stack	Stack 01
a)	Attached to	D.G. Sets
b)	Capacity of D.G. set	5 x 2000 KVA, 1 x 1000 KVA, 2 x 750 KVA, 5 x 500 KVA, 3 x 320 KVA, 3 x 250 KVA, 3 x 160 KVA, 10 x 125 KVA, 10 x 82.5 KVA, 3 x 380 KVA
c)	Fuel	Diesel
d)	Stack height above the ground	Individual stacks of height 15 m each proposed
e)	Details of air pollution control equipment	Acoustic enclosures with silencers

7. The proponent shall ensure compliance of the National Ambient Air quality standards notified by MoE & F, Gol vide notification No. GSR 826(E), dated. 16.11.2009 during construction and regular operational phase of the project.
8. The proponent 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.
9. 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.

10. Hazardous / Solid Waste details:

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

S.No.	Name of Waste	Quantity	Mode of disposal
1	Solid waste (degradable)	1800 kg/day	To reuse as manure for green belt
2	Solid waste (Non-degradable)	200 kg/day	To authorized recyclers
3	STP sludge	120 kg/day	To be used as manure
4	ETP sludge	50 kg/day	To TSDF for secured land fill
5	Oil containing cargo residue washing water and sludge	250 KLPA	To authorized recyclers/ reprocessors/ TSDF
6	Chemical containing cargo residue and sludge	100 KLPA	
7	Sludge and filters contaminated with oil	200 TPA	
8	Ballast water containing oil from ships	250 KLPA	
9	Used/ Spent Oil	350 KLPA	
10	Wastes / residues containing oil	100 KLPA	
11	Sludge from treatment of waste water arising out of cleaning/ disposal of barrels/ containers	100 TPA	
12	Discarded containers/ barrels/ liners contaminated with Haz. Waste/ chemicals	100 TPA	To authorized recyclers/ reprocessors / TSDF
13	Flue gas cleaning residue	10 TPA	
14	Chemical sludge from waste water treatment	100 TPA	
15	Oil and grease skimming residues	20 PA	

11. 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.

Other Conditions:

12. The Port shall comply with the following conditions as committed during the CFE Committee meeting held on 23.02.2021:
- M/s. KPCL shall implement Mechanized MDSS systems for effective dust control. Water meters and energy meters shall be installed to record the quantity of water consumed and electricity consumed for MDSS systems.
 - M/s. KPCL shall conduct performance evaluation of MDSS systems.
 - M/s. KPCL shall explore the possibility of usage of Chemical suppressants such as Sodium / Potassium Aluminates, for effectively mitigating the dust emissions during coal / dusty cargo handling.
 - M/s. KPCL shall restrict the coal stack height to 10 m only. In future, APPCB will examine the increase in stack height of dusting cargo from 10 m to 12 m depending up on the justification submitted by the port.
 - M/s. KPCL shall install desalination plants to treat the sea water and use in the port area. This will minimize the fresh water consumption.
 - M/s. KPCL shall allow the effluents / leachate generated from dust suppression / coal handling etc., into sea under any circumstances. The garland drains, settling tanks shall be de-silted regularly for free flow.
 - Greenbelt of width 100 m shall be developed along the boundary of the port as committed in the public hearing (para no. 5 of EC order dt.11.01.2021) and as stipulated in the CFE order dt.08.05.2010. The greenbelt shall be developed in an area not less than 120 Ha along the Port boundary and around the coal storage areas with native species, as stipulated in EC order dt.11.01.2021. Saline water resistant saplings shall be planted as Bay-of-Bengal is located in the vicinity.
 - The liquid cargo / chemicals shall be stored in the port area complying with OISD norms. All precautions shall be taken to prevent any chemical accidents. The chemicals stored in the port premises and their capacities shall be informed to the EE, RO: Nellore from time to time.
 - As per the power point presentation given by the port officials, the values of PM₁₀ in the month of March, 2020 are ranging from 77.6 to 96.6 µg/m³ inside the port premises. These values are representing the pollution levels in the Ambient Air due to present handling capacity of cargo in the port. These values are higher than the AAQ standards stipulated by CPCB i.e., 60 µg/m³. Hence, the port shall immediately upgrade existing MDSS to suppress dust effectively so as to achieve the standards stipulated by the CPCB.
 - It is observed from the EE,RO: Nellore report that Tamminapatnam, Continuous Ambient Air Quality Monitoring Station (CAAQMS) is not working. It is to be repaired and made functional immediately.
 - The Coal stock yard shall be enclosed suitably to have three layers of green belt of varying height on all the sides.
 - Dusty cargos shall be handled through mechanized handling equipment for loading & unloading operations.

- Closed conveyor belt with water sprinkling arrangement shall be provided for conveying dusty cargos like coal& iron ore.
 - The ship un-loader for unloading and transfer of material shall be provided with in-situ water sprinkling system to avoid dust nuisance.
 - Mechanical stackers cum reclaimers for staking transfer and reclamation and conveyors for transfer of materials without manual handling.
 - Dry fogging system shall be provided at transfer points.
 - Automatic water sprinkling shall be provided at all dusty cargo stock yards. There shall be interlocking between the CAAQM station values for particulate matter and MDSS.
 - The facility shall maintain standby centrifugal pump with drive motor for uninterrupted dust suppression of the cargo.
 - The coal & iron ore shall be transported by rail from the stacking area as far as possible. The residual cargo if any shall be transported by road through covered trucks duly complying with the following measures:
 - i. Traffic congestion shall be avoided.
 - ii. Automated mechanical water sprinkling shall be provided on roads and at dusty cargo storage areas, for suppression of dust.
 - iii. All the vehicles involved in transportation of cargo during the break downs shall be covered with tarpaulin and also ensure to manage vehicles
 - iv. The truck movement shall be through a dedicated road meant for truck movement located and avoid movement of trucks closer to residential areas.
 - v. The trucks shall be fully covered with tarpaulin while plying with cargo on the roads.
 - vi. All cargo vehicles moving out from the port shall be passed through vehicle wheel wash area.
 - The port shall provide oil spill containment facilities around the SBM.
 - The port shall take necessary environmental protection measures for the dump yard of the grudged material.
13. **The industry shall comply with all the conditions stipulated in the EC order dt.11.01.2021 issued by MoEF & CC, GoI, New Delhi under Phase-III.**
 14. Fire detection and fire fighting facilities with adequate water storage facility shall be provided in fire prone area in consultation with competent authorities.
 15. 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.
 16. **The Port Authorities 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.**

17. **The Port Authorities shall submit a copy of the NOC issued by the Andhra Pradesh State Disaster Response and Fire Service Dept., (APSDRFSD) at concerned Regional Office, APPCB.**
18. **The Port Authorities shall submit risk assessment report covering worst scenario clearly describing impact within the industry premises and outside the industry premises and emergency response system.**
19. The Port Authorities shall obtain prior permission from MoEF & CC, Gol 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. **The industry shall submit compliance to the conditions stipulated in the EC and CFE orders to the concerned Regional Officer of APPCB every six months and shall upload the same at APPCB website viz., https://pcb.ap.gov.in/UI/Submission_Combpliance_of_EC_CFE_CFO_Direction.aspx.**
22. 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.
23. 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.
24. 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.

**Nambada
Venkata
Bhaskara Rao**

Digitally signed by Nambada Venkata Bhaskara Rao
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Date: 2021.02.25 16:57:53 +05'30'

JOINT CHIEF ENVIRONMENTAL ENGINEER (UH-1)(FAC)

To

**M/s. Krishnapatnam Port Co. Ltd.,
Krishnapatnam (V), Muthukur (M),
SPSR Nellore District.
environment.akpl@adani.com**

Lr.No.AKPL/2021, dt. 03.02.2021.

To

The Collector & District Magistrate,
SPS Nellore Dist.,

Respected Sir,

Sub: Development of Krishnapatnam Port – Expansion of KP Port (Phase – III) at SPSR Nellore District., Andhra Pradesh by M/s Adani Krishnapatnam Port Ltd., - Environmental and CRZ Clearance – Reg.,

Ref: File No. 10-18/2016 – 1A.III proposal No. 1A/AP/MIS/566/2009, dt. 11.01.2021 from the Ministry of Environment, Forest and Climate Change (Impact Assessment Division), New Delhi.

* * *

With reference to the subject cited, we bring to your kind notice that we have received Environmental and CRZ Clearance vide reference cited for expansion of Krishnapatnam Port (Phase – III) at SPSR Nellore Dist., Andhra Pradesh, from the Ministry of Environment, Forest and Climate Change (Impact Assessment Division), New Delhi.

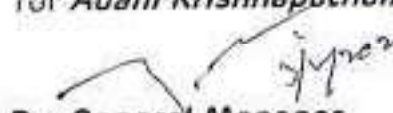
This is submitted for favour of kind information, please.

Encl: Above reference.

With kind regards,

Yours sincerely,

for **Adani Krishnapatnam Port Ltd.,**


Dy. General Manager,
Corporate Affairs.

03/02/2021.
తదాం సహాయకులు
జిల్లా కలెక్టరు వారి కార్యాలయము
శ్రీ పోస్ట్ ప్రభుత్వం నెల్లూరు జిల్లా.

Adani Krishnapatnam Port Ltd
(Formerly Krishnapatnam Port Company Ltd)
PO Bag No 1
Muthukur Mandal
SPSR Nellore 524 344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

Tel +91 861 237 7999
Fax +91 861 237 7046
info@adani.com
www.adaniports.com

Registered Office: 1st Floor, 4B-9-17, Dwarakanagar, Visakhapatnam 530 016, Andhra Pradesh, India

లేఖ నెం. కెసి సీఎల్/2021, తే.01.02.2021.ది

To

1. ది పంచాయతి సెక్రటరీ, గ్రామ పంచాయతి కార్యాలయము, ముత్తుకూరు.
2. ది పంచాయతి సెక్రటరీ, గ్రామ పంచాయతి కార్యాలయము, కృష్ణపట్నం.
3. ది పంచాయతి సెక్రటరీ, గ్రామ పంచాయతి కార్యాలయము, నారికేళ్ళపల్లి.
4. ది పంచాయతి సెక్రటరీ, గ్రామ పంచాయతి కార్యాలయము, పంటపాళెం.
5. ది పంచాయతి సెక్రటరీ, గ్రామ పంచాయతి కార్యాలయము, తమ్మనపట్నం.

అయ్యా!

విషయము : కృష్ణపట్నం పోర్టు, వేజ్-III, శ్రీ పాట్టి శ్రీరాములు నెల్లూరు జిల్లా, ఆంధ్రప్రదేశ్ - పర్యావరణ మరియు సి.ఆర్.జెడ్ క్లియరెన్స్ గురించి తెలియజేయుట.

సూచిక : నెం.10-18/2016 - I ఎ, 3, ప్రపోజర్ నెం.1ఎ/పి.పి/ఎం.ఎస్/566/2009, తే.11.01.2021.ది మినిస్ట్రీ ఆఫ్ పర్యావరణ మార్పు, (ఇంప్యాక్ట్ అసిస్సెంట్ రివైజను), న్యూఢిల్లీ.

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ఇందుమూలముగా తెలియజేయడమేమనగా, పై సూచిక ద్వారా, కృష్ణపట్నం పోర్టు, వేజ్-III, శ్రీ పాట్టి శ్రీరాములు నెల్లూరు జిల్లా, ఆంధ్రప్రదేశ్ వారికి పర్యావరణ మరియు సి.ఆర్.జెడ్ క్లియరెన్స్ వచ్చినదని తెలియజేయడమైనది. ఇందువంట పై సూచిక జతపరచడమైనది.

[Signature]
Panchayati Secretary
Gramapanchayati
Pantapalem, Muthukur Mandal,
SPSR Nellore Dist

[Signature]
Panchayati Secretary
GRAMAPANCHAYATI
Narikellapalli, Muthukur Mandal,
SPSR Nellore Dist.

Adani Krishnapatnam Gramapanchayat
(Formerly Krishnapatnam)
PO Bag No 1
Muthukur Mandal
SPSR Nellore 524 344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

[Signature]
Panchayati Secretary
Thaminnapatnam Gram Panchayath
Chilakur Mandal, SPSR Nellore Dist.

ఇట్లు

భవదీయులు

[Signature]
Panchayati Secretary
Gramapanchayat, Muthukur
Muthukur Md., SPSR Nellore Dist

KRISHNAPATNAM PORT COMPANY LTD.



Ref.No.KP/MOEF/113

Dated: 29th August, 2012

To
The Director (IA-III)
Ministry of Environment and Forests
(I.A. Division)
Paryavaran Bhavan
CGO Complex, Lodi Road
New Delhi - 110 003

Kind Attn: Shri Lalit Kapur

Sub: **Environmental and CRZ Clearance for the development of Krishnapatnam Port in Phase-II at Krishnapatnam, Sri Potti Sriramulu Nellore District, Andhra Pradesh by M/s. Krishnapatnam Port Company Limited - modification to Specific Condition 5 (vii) - Request - Reg.**

Ref: Your Letter F.No.11-62/2009-IA.III dated 13.11.2009

Dear Sir,

- (1). We invite your kind attention to Specific Condition No.5.(vii) of the CRZ & Environmental Clearance Order No.11-62/2009-IA.III dated 13.11.2009 of the MoEF above cited.
- (2). You may recall that during the public hearing held on the 20th February, 2009 at Krishnapatnam, Nellore District, Andhra Pradesh for Phase-II Development of Krishnapatnam Port, a request was made by one of the public (Jana Vignana Vedika) that a greenbelt of 100 m width may be provided **around the port** in lieu of the proposed 50 m width. KPCL clarified during the public hearing that as per the Phase-II development plan, a minimum of 50m wide Greenbelt would be developed all along port boundary and 20m along the stockyards. With these provisions the likely impact on the air quality was predicted using ISCST3 model and the results are within the standards stipulated by CPCB/MoEF. Our response on the Minutes of the Public Hearing was incorporated in the Final EIA report submitted to the MoEF vide KPCL's Letter dated 06.05.2009 (copy of relevant extract D-3 enclosed for ready reference as **Annexure-I**). In this context we submit that the MoEF in their CRZ & EC stated that "The greenbelt of 100 m width shall be developed **around the coal stack yard** as per the request in the public hearing", while the actual request made during the public hearing relates to "greenbelt of 100 m width **around the port**".

d/c



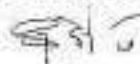
- (3). We further submit that the APPCB in its CFE for Phase-II development vide Order No.633/PCB/CFE/RO-NLR/HO/2010/390 dated 08.05.2010 (copy of relevant extract enclosed as **Annexure-II**) directed at Condition 24 that "Green Belt of width 100m shall be developed **along the boundary** of the industry as committed by the proponent". Accordingly a greenbelt of 100 m width is being developed along the boundary of the port and a 20 m wide Green belt around the iron ore and coal stack yards. The status of compliance was submitted to the Regional Office, MoEF, Bangalore in the first half-yearly compliance report dated 11.06.2010 (copy of relevant extract enclosed as **Annexure-III**). For ready reference, we are enclosing herewith (**Annexure-IV**) a pictorial presentation of the actual field Ambient Air Quality data from the monitoring stations along Port boundary for the period 2010, 2011 and 2012 (upto July) which confirms the findings of the model incorporated in the EIA Report and comply with the AAQ Standards.
- (4). During the recent visit of the Senior Officers of the MoEF, Southern Region, Bangalore to Krishnapatnam Port on 24.07.2012, we brought the above anomaly to their notice and they have advised that the MoEF may be addressed to modify the Specific Conditions 5 (vii) of the above cited EC to reflect the actual request made by the public during the hearing held on 20th February, 2009.

We accordingly request you to kindly issue an early order modifying the provision under Specific Condition 5 (vii) of the Environmental Clearance Order cited above as under:-

Existing	Requested
"The greenbelt of 100 m width shall be developed around the coal stack yard as per the request in the public hearing".	"The Greenbelt of 100m width shall be developed along the port boundary as per the request in the public hearing".

Thanking you,

Yours faithfully,
for **KRISHNAPATNAM PORT CO. LTD.,**


(S.B. PURI)
Director

Encl: As above

Copy to: The Director, MoEF, Southern Region, Bangalore.

Encl: As Above

copy to: CEO, KPCL, Nellore along with enclosures

F. No. 11-62/2009-IA.III
Government of India
Ministry of Environment & Forests
(IA.III Division)

Room No. 534,
Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi-110003.

Dated: 2 March 2010

CORRIGENDUM

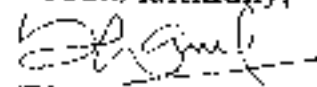
Subject: Environmental and CRZ clearance for Phase II Development of Krishnapatnam Port at Krishnapatnam, Sri Potti Sriramulu Nellore District, Andhra Pradesh by M/s. Krishnapatnam Port Company Ltd - Reg.

Sir,

This has reference to your letter No. KP/MoEF/PH-II/12 dated 19.01.2010 regarding change of the conditions. In this context, attention is invited to this Ministry's letter of even no. dt. 13.11.2009. The condition No [xxii] be deleted and in condition [xxiii], the reference VOC be deleted.

The all other terms and conditions clearance letter of even no. dated 13.11.2009 remain unchanged.

Yours faithfully,


(Bharat Bhushan)
Director (IA)

Copy to:

1. The Principal Secretary, Director (Environment), Forests & Environment Department, Government of Gujarat, Block No. 14, 8th floor, Sachivalaya, Gandhinagar - 382 010.
2. The Chairman, CPCB, Parivesh Bhawan, CBD cum Office Complex, East Arjun Nagar, Delhi - 32.
3. The Chairman, Andhra Pradesh State Coastal Zone management Authority & Additional Secretary, Government of Andhra Pradesh, Environment and Forests Science and Technology Department, Secretariat, Hyderabad - 500 022.
4. The Member Secretary, Andhra Pradesh Pollution Control Board, Hyderabad.
5. The Chief Conservator of Forests, Ministry of Environment and Forests, Regional Office, Western Region, Kendriya Paryavaran Bhawan, Link Road No. 3, Ravishankar Nagar, Bhopal - 462016 (M.P.).
6. Guard File.
7. Monitoring Cell.

/

(Bharat Bhushan)
Director (IA)

EMP matrix during Construction Phase

S. No	Project Activity	Potential Risks and Impacts	Recommended Mitigation Measures	Frequency of Measurement/ Monitoring	Responsibility of Mitigation Measures	Mitigation Measures Implementation Period	Any other
<u>Land Environment</u>							
1	Excavation for civil structures such as operational buildings and storage areas	Disposal of excavated soil	Excavated soil will be used for back- filling the excavated pits after completion of concreting and the balance quantity will be used for filling low lying areas within Port Premises	After construction works complete	Main/ Contractor Sub-	During Excavation Period	Physical Supervision
<u>Air Environment</u>							
2	Excavation and Civil Foundation Works	Dust emission and Air Pollution	Ambient Air Quality Monitoring near project site	Once in a month and random sampling will be done- 3 locations	AKPL/Main Contractor	Construction Period	Ambient Air Quality Monitoring conducted through NABL Accredited Laboratory
S. No	Project Activity	Potential Risks and Impacts	Recommended Mitigation Measures	Frequency of Measurement/ Monitoring	Responsibility of Mitigation Measures	Mitigation Measures Implementation Period	Any other

3	Vehicle Exhaust	Gaseous Emission and Air Pollution	BS IV/VI Emission Norms complied Vehicle to be deployed. Pollution Under Control (PUC) Certificate shall be furnished to Main Contractor for vehicles deployed for project related works	Once in a year- Parking areas	Main Contractor/Sub Contractor	Construction Period	PUC certificate shall be obtained from Agency authorized by State Transport Authority, Government of Andhra Pradesh
<u>Noise Environment</u>							
4	Vehicle Movement	Nuisance and Noise Pollution	Proper maintained vehicles will be deployed for project related activities	Once in a month- 3 locations- Junctions of Port road and public roads	Main Contractor	Construction Period	Noise Monitoring shall be monitored by Contractor using hand held noise meter
5	DG Set, Compressor, Construction Equipment Operation	Noise Pollution and Affects Hearing Loss to Workers	Acoustic Enclosure for DG Sets, Barriers for Compressor, Construction Equipment Isolation during works	Continuous 24 hrs monitoring - Once in a month- 3 locations. Instantaneous monitoring daily at the construction site.	Main/Sub Contractor	Construction Period	Contractor shall procure and train the person to monitor the noise level during construction period on daily basis.
<u>Groundwater Quality</u>							

[illegible]

9	Drilling of piles for construction of berths	Increase of turbidity, TSS and heavy metal concentration	Sheet Piling around the drilling locations	Turbidity, Marine water quality and sediment quality - Weekly-4 locations	Main Contractor	Entire Construction Period	NABL accredited Lab shall be engaged for Monitoring

S. No	Project Activity	Potential Risks and Impacts	Recommended Mitigation Measures	Frequency of Measurement/ Monitoring	Responsibility of Mitigation Measures	Mitigation Measures Implementation Period	Any other
							Sea water quality
10	Capital Dredging of 60 Million m ³	TSS and Turbidity of Marine Water Quality	Silt Curtain and Boom shall be deployed	Pre Dredging, Capital Dredging Period and Post dredging - 4 locations	AKPL	At the time of Dredging Schedule	NABL accredited Lab shall be engaged for Monitoring Sea water quality
11	Oil Spill from Construction Equipment during Construction activities in marine environment	Oil spill on the shore and seawater	Spill absorbing material shall be made available at project site. Oil spill collection tray shall be provided at potential oil leak source if any Oil storage area shall be provided away from the marine waters.	Daily	Main Contractor	Entire Construction Period	Log Book maintained for Oil Spill if any

Marine Ecological Environment

12	Capital Dredging of 60 Million m ³	Migration of marine species and loss of Benthic species	Silt Curtains/containment bunds for reclamation areas and Boom Dispersion Equipment		AKPL	Construction Period	NABL accredited Lab shall be engaged for Monitoring Sea water quality
S. No	Project Activity	Potential Risks and Impacts	Recommended Mitigation Measures	Frequency of Measurement/ Monitoring	Responsibility of Mitigation Measures	Mitigation Measures Implementation Period	Any other
13	Offshore disposal of dredge spoil	Increase in turbidity, change in bed contour and shoreline	Adequate interval shall be maintained for one cycle of disposal to other.	Pre dredging and Post dredging monitoring at the disposal site for 3 locations and 1 location at clear water for comparison.	AKPL	Construction Period	NABL accredited Lab shall be engaged

EMP matrix during Operation Phase

S. No	Project Activity	Potential Risks and Impacts	Recommended Mitigation Measures	Frequency of Measurement/ Monitoring	Responsibility of Mitigation Measures	Mitigation Measures Implementation Period	Any other
<u>Air Environment</u>							
1	Cargo Handling	Fugitive Dust Emissions – Affects Air Quality	Mechanization of Material Handling System from Berths to Coal Stock Piles. Dust Suppression and Dust Containment Systems shall be installed at critical locations such as Unloading and Coal Stock Piles area and Truck loading points	Twice a Week as per NAAQ Standards of CPCB- 7 locations	AKPL	Operation Period	NABL Accredited Lab shall be engaged
2	Vehicular Movement within Port Premises	Gaseous Emission – Affect Air Quality	Emission norms prescribed by Transport Authority of State Government	Twice a Week as per NAAQ Standards of CPCB- 7 locations	AKPL	Operation Period	NABL Accredited Lab shall be engaged

<u>Noise Environment</u>							
3	Vehicular Movement KMPH within Port Premises	Ambient Nuisance	Speed Limit Noise Monthly- 7 shall be locations Vehicle prescribed	of 30 Governor on AKPL Operation shall	Period		
							be installed
<u>Waste Management</u>							

S. No	Project Activity	Potential Risks and Impacts	Recommended Mitigation Measures	Frequency of Measurement/ Monitoring	Responsibility of Mitigation Measures	Mitigation Measures Implementation Period	Any other
4	Operational buildings, Administrative Offices, Canteens	Solid Waste Generation	Biodegradable and Non-biodegradable wastes are collected, segregated and composted. Compost will be used as manure for Greenbelt	Once in a Year	AKPL	Maintenance	As per SWM Rules, 2016 all records shall be maintained.
5	Hazardous Waste – Used/Waste Oil	Hazardous Waste	Authorized Recyclers shall be identified for Reuse/Recycle	Once in a Year	AKPL	Maintenance	As per HWM Rules, 2016 all records shall be maintained.

<u>Storm Water Management</u>	

6	Storm Water Run-off from Coal Stock Piles	Affect Seawater Quality	Catch Pit, OilWater Separator and primary settling treatment facility shall be installed. Treated water will be reused for dust suppression system and greenbelt development	Once in Year	AKPL	Monsoon Period	Catch Pit, Oil Water Separator shall be cleaned before Monsoon. Discharge of wastewater in to storm water drain is not allowed
<u>Green Belt Development</u>							
S. No	Project Activity	Potential Risks and Impacts	Recommended Mitigation Measures	Frequency of Measurement/ Monitoring	Responsibility of Mitigation Measures	Mitigation Measures Implementation Period	Any other
7	Green Belt Development	Positive Impact to control Dust and Noise Pollution	Greenbelt of width 20 m is proposed around coal stockpiles and 50 m width along the port boundary		AKPL	Operation Period	Forests and Environment officers shall be consulted
<u>Mangrove Management</u>							
8	Monitoring/conservation of Existing mangroves	Positive impact on surrounding ecology	The mangroves shall be monitored for growth and survival	Bi-yearly- Random sampling by quadrat survey	AKPL	Operation Period	Forests and MSSRF shall be consulted.
<u>Marine Ecological Monitoring</u>							

9	Cargo Handling at Berth – Dust Deposition of Seawater Surface	Affects the primary productivity (Plantain and Algae)	Closed Conveyor and Hopper at Feeding point	Weekly- 3 locations within the port and 1 location in the approach channel	AKPL	Operation Period	NABL accredited Lab shall be engaged
<u>Marine Water Environment</u>							
10	Cargo Handling at Berth – Dust Deposition of Seawater Surface	Affect the water quality	Closed Conveyor and Hopper at Feeding point	Weekly- 3 locations within the port and 1 location in the approach channel	AKPL	Operation Period	NABL accredited Lab shall be engaged
11	Maintenance Dredging	Affect the water quality and sediment quality	Disposal of dredged material at the identified location in an even spread.	Monthly - at the disposal site for 4 locations and 1 location at clear water for comparison.	AKPL	Operation Period	NABL accredited Lab shall be engaged

Letter. No. AKPL/EC/EHS/032

Date: 03.07.2024

To

The Superintendent Engineer
Roads & Buildings Department,
Sujathamma Colony, Dargamitta
SPSR Nellore, 524002.

Dear Sir,

Sub:- AKPL – Complying with the MoEF & CC Conditions –Traffic Management and Traffic Decongestion Plan – Submitted – Validation & Certification – Requested - Reg.

Ref:- EC & CRZ Clearance Order No.10-08/2016-IA-III dated 11.01.2021 accorded to AKPL by the Ministry of Environment, Forests & Climate Changes, New Delhi.

We submit that Adani Krishnapatnam Port Limited (AKPL) is an operational port located at Krishnapatnam (P), Muthukur (M), SPSR Nellore District.

The Ministry of Environment, Forests & Climate Changes, New Delhi has accorded Environmental & CRZ Clearance to AKPL vide reference cited above for the development of Port under Phase – III. (Copy of the EC & CRZ Clearance is attached herewith for your kind reference).

As per the EC & CRZ Condition No. vii, under Air Quality Monitoring and Preservation stipulates that:

"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."

Complying with the above condition, a study on Traffic Management and Traffic Decongestion Plan was prepared through M/s. FP Project Management (formerly Frischemann Prabhu (India) Private Limited).

Adani Krishnapatnam Port Ltd
(Formerly: Krishnapatnam Port Company Ltd)
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLD023529

Tel: +91 861 2379999
Fax: +91 861 237 7046
info@adani.com
www.adaniports.com

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



As per the MoEF & CC EC & CRZ Clearance, the Traffic Management and Traffic Decongestion Plan to be validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation.

We therefore, submitting herewith the study report for validation & certification and request your good self to validate & certify the study.

Thanking You,

Yours sincerely,

For Adani Krishnapatnam Port Limited.,


Dr.D. Jyothi
Vice President - Environment

Encl: a/a

Copy submitted to the Environmental Engineer, A.P. Pollution Control Board, Regional Office, SPSR Nellore for kind information.

Letter. No. AKPL/EC/EHS/032

Date: 03.07.2024

To

The Nellore Urban Development Authority (NUDA),
Municipal Corporation Office,
SPSR Nellore, 524002.

Dear Sir,

Sub:- AKPL – Complying with the MoEF & CC Conditions –Traffic Management and Traffic Decongestion Plan – Submitted – Validation & Certification – Requested - Reg.

Ref:- EC & CRZ Clearance Order No.10-08/2016-IA-III dated 11.01.2021 accorded to AKPL by the Ministry of Environment, Forests & Climate Changes, New Delhi.

We submit that Adani Krishnapatnam Port Limited (AKPL) is an operational port located at Krishnapatnam (P), Muthukur (M), SPSR Nellore District.

The Ministry of Environment, Forests & Climate Changes, New Delhi has accorded Environmental & CRZ Clearance to AKPL vide reference cited above for the development of Port under Phase – III. (Copy of the EC & CRZ Clearance is attached herewith for your kind reference).

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(Formerly Krishnapatnam Port Company Ltd)
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
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Tel: +91 861 2377999
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Thanking You,

Yours sincerely,

For Adani Krishnapatnam Port Limited.,


Dr. D. Jyothi
Vice President - Environment

Encl: a/a

Copy submitted to the Environmental Engineer, A.P. Pollution Control Board, Regional Office, SPSR Nellore for kind information.

Adani Krishnapatnam Port Ltd
(Formerly: Krishnapatnam Port Company Ltd)
PO Bag No 1, Matthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLDC23529

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Fax: +91 861 237 7046
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Registered Office: Adani Corporate House, Shendigram, Nr. Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad - 382421, Gujarat, India



Ports and
Logistics

Quality, Environment, Health & Safety and Energy Policy

- APSEZ is committed to Quality, Energy, Occupational Health & Safety and Environment in port business. We consider IMS responsibilities are integral part of our business. To meet this commitment, APSEZ will abide by the following principles:
 - Satisfy our customers by maintaining a standard of service that consistently meets the agreed requirements
 - Focus on occupational health & safety of employees, pollution prevention, preservation & protection of environment at all times and in all circumstances
 - Identify and analyze the HSE risks arising from our activities to reduce them to the lowest possible levels
 - Eliminate or reduce the potential and severity of injuries, occupational diseases and impact on environment & community arising out of our operations
 - Fulfill applicable legislations, regulations and other requirements on IMS and take additional measures considered necessary
 - Committed to ensure the availability of information and necessary resources to achieve objectives and energy targets
 - Shall Strive to achieve the IMS goals and performance objectives, using effective Integrated Management System; and reviewed to improve performance
 - Ensure consultation and participation of workers and their representatives
 - Develop, conduct and promote education and training to improve IMS performance
 - Continually improve IMS management system by monitoring, evaluating and reviewing through the definition of operational standards, assessments and audits
 - Communicate our policies and standards to employees, suppliers, business partners and where necessary work with them to raise their standards
 - Support design activities that consider energy performance improvement
 - Reduce consumption of energy
 - Use of renewable energy
 - Procure energy efficient equipment's, products and services
 - Design for energy performance improvement
 - Provide necessary information and resources to achieve objectives and targets to all employees comply with applicable legal requirements and other requirements to which organization subscribes relates related to its energy use consumption and efficiency
 - Policy will be communicate at all level to enhanced Energy performance and involve our employees and partners for continual improvement in efficiency usage of all variable effecting energy consumption. Commitment to continual improvement in energy performance.

Subrat Tripathy
Chief Executive Officer (CEO) – Ports

Date: 28/02/2024

Rev: 05

adaniPorts and
Logistics

Lr. No. AKPL/ENVIRONMENT/APPGB/023/2025-26

Date: 29.04.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
SPSR Nellore.

Sir,

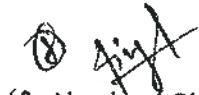
Sub:- Adani Krishnapatnam Port Limited - Annual Returns on Disposal of Used
batters in Form - VIII - Submitted - Reg.Ref:- 1. CTO & HWA Order No. APPGB/VJA/NLR/11344/CFO/HO/2019 dated
11.11.2022 valid up to 31.08.2027

@@@

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- VIII as per the Batteries (Management & Handling) Rules, 2010 and amendments thereof.

Kindly acknowledge receipt of the same.

Yours sincerely,



(Authorized Signatory)

Encl: a/a

Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529Tel: +91 861 237 7999
Fax +91 861 237 7046
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FORM VIII

[see rule 10 (2) (ii)]

FORM FOR FILING RETURNS FOR BULK CONSUMER 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	Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore
2.	Name of the Authorized person and full address with telephone and fax number	Mr. Kaushal Singh Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore, +91 9099002568 kaushal.singh@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 – 321 (ii) Approximate weight – 11.2 MT (in Metric Tonnes) *Lead acid batteries and dry batteries
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. Jayvel Enterprises, Plot No.26 A, KIADB Malur Industrial Area, Malur, Kolar – 563130 Karnataka

**11.2 MT of Battery waste is sent to registered recycler

(5.66 MT Acid battery scrap + 5.54 MT without acid battery scrap)

- Enclose list of manufacture/dealer/importer/registered recyclers/or any other agency to whom the used batteries scrap was sent.

Place: Krishnapatnam Village, Muthukur Mandal, 524344.

Date: 29.04.2025



(Authorized Signatory)

Lr. No. AKPL/ENVIRONMENT/APPCCB/025/2025-26

Date: 29.04.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
SPSR Nellore.

Sir,

Sub:- Adani Krishnapatnam Port Limited – Bio Medical Waste Annual Returns –
Form – IV – Submitted – Reg.

Ref:- 1. Authorization No. GN-19/APPCCB/RO/NLR/BMWM/2024-521.

@@@

In compliance with the conditions stipulated in Bio Medical Authorization order vide reference cited above we are herewith submitting the Annual Returns of Generation, Storage & Disposal of biomedical Waste for the period of January-24 to December-24 in Form- IV as per the Bio-Medical Waste Management Rules, 2016.

Kindly acknowledge receipt of the same.

Yours sincerely,

Adani Krishnapatnam Port Limited.



(Authorized Signatory)

Encl: a/a



FORM - IV

(See rule 13)

ANNUAL REPORT

[To be submitted to the prescribed authority on or before 30th June every year for the period from January to December of the preceding year, by the occupier of health care facility (HCF) or common bio-medical waste treatment facility (CBWTF)]

Sl. No.	Particulars		
1.	Particulars of the Occupier	:	Health Care Facility
	(i) Name of the authorized person (occupier or operator of facility)	:	Mr. Kaushal Singh Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore, +91 9099002568 kaushal.singh@adani.com
	(ii) Name of HCF or CBMWTF	:	Occupational Health and Dental facility
	(iii) Address for Correspondence	:	Adani Krishnapatnam Port Limited
	(iv) Address of Facility	:	PO Bag. No.1, Krishnapatnam Village, Muthukur Mandal.
	(v) Tel. No, Fax. No	:	-
	(vi) E-mail ID	:	Kaushal.singh@adani.com
	(vii) URL of Website	:	-
	(viii) GPS coordinates of HCF or CBMWTF	:	HCF - 14.274547 N 80.10066 E
	(ix) Ownership of HCF or CBMWTF	:	Private
	(x) Status of Authorization under the Bio-Medical Waste (Management and Handling) Rules	:	Authorization No : GN-19/APPCB/RO/NLR/BMWM/2024-521 Issued on 29.08.2024 valid up to : 30.04.2025
	(xi) Status of Consents under Water Act and Air Act	:	CTO & HWA Order No. APPCB/VJA/NLR/11344/CFO/HO/2019 dated 11.11.2022 valid up to 31.08.2027
2.	Type of Health Care Facility	:	OHC & Dental Care
	(i) Bedded Hospital	:	No. of Beds: 11

	(ii) Non-bedded hospital (Clinic or Blood Bank or Clinical Laboratory or Research Institute or Veterinary Hospital or any other)	:	NA			
	(iii) License number and its date of expiry	:	APPCB/VJA/NLR/11344/CFO/HO/2019 dated 11.11.2022 Expiry date : 30.04.2025			
3.	Details of CBMWTF	:	M/S SS BIO CARE, Attivaram (v), Ozili (M), Tirupati District.			
	(i) Number healthcare facilities covered by CBMWTF	:	01			
	(ii) No of beds covered by CBMWTF	:	11			
	(iii) Installed treatment and disposal capacity of CBMWTF:	:	NA			
	(iv) Quantity of biomedical waste treated or disposed by CBMWTF	:	NA			
4.	Quantity of waste generated or disposed of in Kg per (on monthly average basis) (August -24 to December-24)	:	Month	Red (Kg) Category	Yellow(Kg) Category	Blue (Kg) Category
		:	August-24	20.37	12.5	4.6
		:	September -24	27.5	23	9
		:	October-24	11	16.85	10
		:	November-24	23.6	19.7	11.3
		:	December-24	23.1	19.8	7.65
5.	Details of the Storage, treatment, transportation, processing and Disposal Facility	:	M/S SS BIO CARE, Attivaram (v), Ozili (M), Tirupati District.			
	(i) Details of the on-site storage facility	:	Size : NA			
		:	Capacity: NA			
		:	Provision of on-site storage: (cold storage or any other provision)			

	disposal facilities	:	Type of treatment equipment	No of units	Capacity Kg/ day	Quantity treated or disposed in kg per annum
			Incinerators	NA	NA	NA
			Plasma Pyrolysis	NA	NA	NA
			Autoclaves	NA	NA	NA
			Microwave	NA	NA	NA
			Hydroclave	NA	NA	NA
			Shredder	NA	NA	NA
			Needle tip cutter or destroyer	NA	NA	NA
			Sharps encapsulation or concrete pit	NA	NA	NA
			Deep burial pits:	NA	NA	NA
			Chemical disinfection:	NA	NA	NA
			Any other treatment equipment:	NA	NA	NA
	(iii) Quantity of recyclable waste sold to authorized recyclers after treatment in kg per annum.	:	Red Category (like plastic, glass etc.) NA			
	(iv) No of vehicles used for collection and transportation of biomedical waste		01			
	(v) Details of incineration ash and ETP sludge generated and disposed during the treatment of wastes in Kg per annum	:	Incineration Ash ETP Sludge	Quantity generated	Where disposed	

	(vi) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of		M/S SS BIO CARE, Attivaram (v), Ozili (M), Tirupati District.
	(vii) List of members HCF not handed over bio-medical waste.		NA
6.	Do you have a bio-medical waste management committee? If yes, attach minutes of the meetings held during the reporting period		No
7.	Details training conducted on BMW		Yes
	(i) Number of trainings conducted on BMW Management.		03
	(ii) number of personnel trained		04
	(iii) number of personnel trained at the time of induction		04
	(iv) number of personnel not undergone any training so far		Nil
	(v) whether standard manual for training is available?		Yes
	(vi) any other information)		Nil
8.	Details of the accident occurred during the year		Nil
	(i) Number of Accidents occurred		Nil
	(ii) Number of the persons affected		Nil
	(iii) Remedial Action taken (Please attach details if any)		Nil
	(iv) Any Fatality occurred, details.		Nil

9.	Are you meeting the standards of air Pollution from the incinerator? How many times in last year could not met the standards?		NA
	Details of Continuous online emission monitoring systems installed		NA
10.	Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?		NA
11.	Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?		NA
12.	Any other relevant information	:	(Air Pollution Control Devices attached with the Incinerator) NA

Certified that the above Bio Medical waste details report is for the period from 1st January 2024 to 31st December 2024.



Name & Authorized Signatory

Institution Date:
Place : Krishnapatnam Village,
SPSR Nellore, 524344

Adani Krishnapatnam Port Limited
Compliance Report on Bio Medical Waste Authorization conditions stipulated
in the Consent Order of APPCB Dt. 29.08.2024

S.No	Consent conditions	Compliance Status
Schedule – A		
1.	The applicant shall make an application for renewal of authorization under Biomedical Waste Management Rules, 2016 at least 60 days before the date of expiry of this order, along with prescribed fee	Noted the Condition
2.	The authorized person shall comply with the rules of Biomedical Waste Management Rules, 2016 and the amendment made there from time to time.	Being complied
3.	The authorized person should handle waste without any adverse effects to human health and the environment.	Being complied
4.	The Bio - Medical Waste shall not be mixed with other wastes.	Noted and being complied
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.	Being complied, waste segregation is being done with proper labelling the category of Waste.
6.	If a container is transported from the premises where Biomedical 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.	Being complied
7.	Not with standing anything contained in the Motor Vehicles Act, 1988 or Rules there under, untreated Biomedical Waste shall be transported only in such vehicle as may be authorized for the purpose by the competent authority as specified by the Government.	Condition Noted
8.	The person authorized under these rules shall not lease, sell, transfer or otherwise transport the Biomedical Wastes without obtaining prior permission of the Member Secretary, A. P. Pollution Control Board.	Condition Noted
9.	Every occupier/ operator shall submit an annual report to the Member Secretary, A.P. Pollution Control Board in Form IV by 30th June every year, containing information about the categories and quantities of Biomedical Wastes handled during the prescribed year.	Noted for compliance.

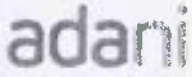
10.	Every HCF shall maintain a daily record of waste generation quantity either in volume or by weight in Kg/day as fallow: a) Human anatomical waste/ animal anatomical/ solid waste/ expired and discarded medicines / chemical liquid etc. (Yellow bag) b) Contaminated waste (Recyclable) (Red bag) c) Sharps including metals etc. (puncture proof White container) d) Glass Items, metallic body implants (Blue bag)	Daily Waste generation record is being maintained
11.	Every authorized personnel shall maintain records related to the generation, collection, reception, storage, transportation, treatment, disposal and / or any form of handling of Biomedical Waste in accordance with these rules and add any guidelines issued.	All the records for generation and disposal are being maintained.
12.	All records shall be subject to inspection and verification by the Member Secretary, A. P. Pollution Control Board or authorized officer of A. P. Pollution Control Board at any time.	Being complied
13.	When any accident occurs at any institution or facility or any other site where Biomedical Waste is handled or during transportation of such waste, the authorized person shall report the accident in Form – I to the prescribed authority forthwith.	Condition noted
14.	The applicant shall exhibit the authorization of the Board in the premises at a prominent place for the information of inspecting officer of different departments.	Being complied
15.	The applicant shall inform the prescribed authority, the name and designation of the concerned person in-charge of Biomedical Waste Management in the Health Care Establishment. This person shall be held responsible for the implementation of Bio Medical Waste Management Rules, 2016.	Condition being complied

Schedule – B

1.	Segregation of the waste as given in accordance with Schedule – I of the Bio-Medical Waste Management Rules, 2016 should be carried out at source only.	Condition noted
2.	All syringes and needles should be mutilated before discarding.	Being complied
3.	Mutilation / Shredding must be such so as to prevent unauthorized reuse.	Noted and being complied
4.	Chemical treatment should be carried out using at least 1% Hypochlorite solution or any other	Being complied

	equivalent chemical reagent. It must be ensured that chemical treatment ensures disinfection.	
5.	No untreated Biomedical Waste shall be kept stored beyond a period of 48 hours	Being complied
6.	The Bio Medical Waste shall be disposed for treatment after disinfection and segregation to the following Common Bio Medical Waste Treatment Facility, M/s. S S Bio Care, Attivaram (V), Ozili (M), Tirupati District. Ph No: 9652921133/44/55/66	Being complied Generated Bio Medical Waste being disposed to CBMWTF (SS Bio Care) Treatment facility only.
7.	No Health Care Facility shall install or operate an incinerator without specific authorization of prescribed authority.	Condition Noted
8.	Under no circumstances shall Incinerable waste of the Schedule I of the Rules of 2016 of any kind be openly burnt anywhere.	Condition Noted
9.	The Mercury spillage / losses due to breakage of thermometers, pressure and other measuring equipment in Health Care Facility shall be collected, stored and sent back to manufacturers.	Condition Noted
10.	The occupier of the HCF shall take all necessary measures to ensure that the spilled mercury does not become part of Biomedical or other solid waste generated from the HCF.	Condition Noted
11.	The occupier of the HCF shall dispose any waste containing equal to or more than 50 mg/Kg. of Mercury, as per the provisions of Hazardous and other Wastes (Management & Transboundary Movement) Rules, 2016 and amendment thereof.	Condition Noted
12.	The authorization shall comply with the provisions of the Environment (Protection) Act, 1986 and the Rules made there under.	Condition Noted
13.	The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the prescribed authority.	Condition Noted
14.	The person authorized shall not rent, lend, sell, transfer or otherwise transport the biomedical wastes without obtaining prior permission of the prescribed authority.	Condition Noted.
15.	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.	Condition Noted
16.	It is the duty of the authorized person to take prior permission of the prescribed authority to close the facility and such other terms and conditions may be stipulated by the prescribed authority.	Condition Noted

17.	The HCF shall not use chlorinated bags for collection of Bio Medical Waste as per Bio Medical Wastes Management Rules, 2016 and its subsequent amendment.	Condition Noted
18.	The HCF shall use bar coding system during the handling of Bio Medical Waste as per Bio Medical Wastes Management Rules, 2016 and its subsequent amendment.	Condition Noted



Ports and
Logistics

Lr. No.AKPL/ENVIRONMENT/APPCB/022/2025-26

Date: 29.04.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
SPSR Nellore.

Sir,

Sub:- Adani Krishnapatnam Port Limited – Details of E – Waste generated &
Disposed in Form – III - Submitted – Reg.

Ref:- 1. CTO & HWA Order No. APPCB/VJA/NLR/11344/CFO/HO/2019 dated
11.11.2022 valid up to 31.08.2027.

@@@

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- III** as per the E-Waste (Management) Rules, 2016 and amendments thereof.

Kindly acknowledge receipt of the same.

Yours sincerely,

(Authorized Signatory)

Encl: a/a



Adani Krishnapatnam Port Ltd
PO Bag No 1, Muthukur Mandal,
SPSR Nellore District 524344
Andhra Pradesh, India
CIN: U45203AP1996PLC023529

Tel +91 861 237 7999
Fax +91 861 237 7046
info@adani.com
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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 or manufacturer or refurbisher or 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	Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore		
2	Name of the authorized person and complete address with telephone and fax numbers and e-mail address	Mr. Kaushal Singh Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore, +91 9099002568 kaushal.singh@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	2.2 MT (Annexure -A attached)		
	Details of the above	TYPE	QUANTITY	No.
3(A)*	BULK CONSUMERS: Quantity of e- waste	Information technology and telecommunication Equipment's and electrical items	2.2 MT	List attached as Annexure -A
3(B)*	REFURBISHERS: Quantity of e-waste:	X	X	X
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	X	X	X

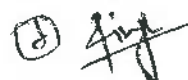
Facility.			

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.	X	X	X
4	Name and full address of the destination with respect to 3(A)-3(D) above			
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 have been sent for recycling.

Place: 29.04.2024

Date: SPSR Nellore



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 - A
List of E - Waste sent to Authorized Collection Centre/ Dismantler

S.No	Name of E waste	Category Name of E waste	Category of E waste (as per Schedule-I)	Quantity of E-waste (MT)
1	Cartridge ribbon (small + Big)		ITEW6	2.2 MT
2	Keyboards		ITEW3	
3	Mouses			
4	Plastic		NA	
5	Cables		NA	

Lr. No. AKPL/ENVIRONMENT/APPGB/021/2025-26

Date: 29.04.2025

To

The Environmental Engineer,
A.P. Pollution Control Board,
Regional Office,
SPSR Nellore.

Sir,

Sub:- Adani Krishnapatnam Port Limited – Hazardous Waste Annual Returns –
Form – IV – Submitted – Reg.

Ref:- 1. CTO & HWA Order No. APPGB/VJA/NLR/11344/CFO/HO/2019 dated
11.11.2022 valid up to 31.08.2027.

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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- IV 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.

Yours sincerely,
Adani Krishnapatnam Port Limited.

③ 
(Authorized Signatory)

Encl: a/a



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	:	Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore
2.	Authorization No. and Date of Issue	:	CTO & HWA Order No. APPCB/VJA/NLR/11344/CFO/HO/2019 11.11.2022
3.	Name of the authorized person and full Address with telephone, fax number and e-mail	:	Mr. Kaushal Singh Adani Krishnapatnam Port Limited, Krishnapatnam Village, Muthukur Mandal, 524344 SPSR Nellore, +91 9099002568 kaushal.singh@adani.com
4.	Production during the year	:	Cargo Handled April 2024 to March 2025 Cargo handled 54.65 MMT+0.02 MTEUs is (Coal, Iron ore, General Cargo, and Container cargo)
Part A. To be filled by hazardous waste generators			
1.	Total quantity of waste generated Category wise	:	Please refer below table
	S.No	Category of Waste	Quantity Generated
	1	Oil Containing cargo residue washing water	1340.75 MT
	2	Waste Oil from DG sets	119.145 MT
	3	Waste oil from Ships	50.84 MT
	4	Sludge and filters contaminated with oil	1.9 MT
2.	Quantity dispatched	:	1512.635 MT
	Waste Oil /Used Oil (Port equipment generated)	:	118.10 MT
	i. To disposal facility	:	N.A.
	ii. To recycler or co-processors or pre-processor	:	118.10 MT

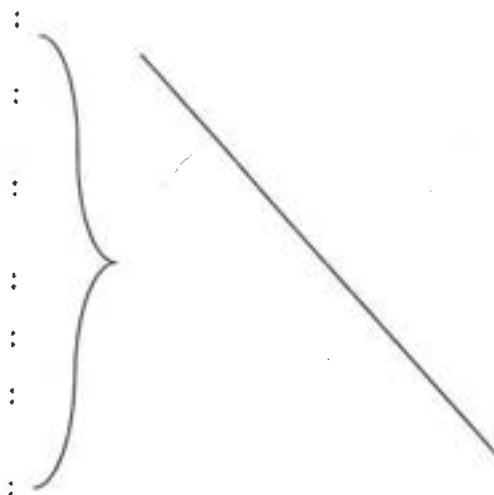
	Waste / Used Oil sludge generated in ships	:	1391.59 MT
	I. To disposal facility	:	N.A
	II. To recycler or co-processors or pre-processor	:	1391.59 MT
3	Sludge and filters contaminated with oil	:	1.9 MT
	To disposal facility	:	N.A
	To recycler or co-processors or pre-processor	:	1.9 MT
4	Quantity utilized in-house, if any-	:	1.045 MT
5	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)

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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: 29.04.2025
Place: SPSR Nellore


Signature of the Occupier or
Operator of the Disposal facility

Manifest Initiated & Processed List													
Manifest S.no	Manifest No	Receiver Name	Vehicle No	Type of Waste	Waste Name	Quantity Sent by Industry	No. of Physical Con. Form	Special Handling Instructions	Senders Certificate Date	Transporter Acknowledgem ent Date	Facility Received Date	Status	
1	195239	26-03-2025	Sri Balaji Petrochem	TN05828285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.48 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	26-03-2025	28-03-2025	Manifest Close
2	194545	24-03-2025	Sri Balaji Petrochem	TN23A84604	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18.74 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	24-03-2025	26-03-2025	Manifest Close
3	193836	21-03-2025	INDO PETRO PRODUCTS	AP07TC00566	HW - Recyclable	Waste oil/Used oil from D.G Sets, Vehicles, dredgers and other machinery	21.58 Tonnes	104	Oil	Use PPE while loading, unloading & Transi	21-03-2025	21-03-2025	Manifest Close
4	188588	28-02-2025	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	5.74 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	28-02-2025	01-03-2025	Manifest Close
5	188510	28-02-2025	Indian Tar Coal Company	AP29W2365	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	8.85 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	28-02-2025	05-03-2025	Manifest Close
6	188448	28-02-2025	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.84 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	28-02-2025	01-03-2025	Manifest Close
7	188442	28-02-2025	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	13.66 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	28-02-2025	28-02-2025	Manifest Close
8	183517	05-02-2025	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	23.1 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	05-02-2025	07-02-2025	Manifest Close
9	183542	05-02-2025	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	12.96 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	05-02-2025	07-02-2025	Manifest Close
10	182753	01-02-2025	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	01-02-2025	05-02-2025	Manifest Close
11	182279	30-01-2025	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	21.46 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	30-01-2025	01-02-2025	Manifest Close
12	182273	30-01-2025	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.34 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	30-01-2025	01-02-2025	Manifest Close
13	180918	24-01-2025	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	7.2 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	24-01-2025	29-01-2025	Manifest Close
14	180609	23-01-2025	Jyothi Lubricants	AP16T12619	HW - Recyclable	Waste oil/Used oil from D.G Sets, Vehicles, dredgers and other machinery	9.9 Tonnes	48	Oil	Use PPE while loading, unloading & Transi	23-01-2025	25-01-2025	Manifest Close
15	180581	23-01-2025	Sri Balaji Petrochem	TN05AD0538	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.22 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	23-01-2025	25-01-2025	Manifest Close
16	179483	18-01-2025	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	15.88 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	18-01-2025	20-01-2025	Manifest Close
17	176740	04-01-2025	Sri Balaji Petrochem	TN23AB4604	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.06 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	04-01-2025	06-01-2025	Manifest Close
18	176738	04-01-2025	Sri Balaji Petrochem	TN04AI1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	16.02 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	04-01-2025	06-01-2025	Manifest Close
19	174821	26-12-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.36 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	26-12-2024	28-12-2024	Manifest Close
20	174283	23-12-2024	Sri Balaji Petrochem	TN23AB4604	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	5.8 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	23-12-2024	25-12-2024	Manifest Close
21	173425	19-12-2024	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18.88 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	19-12-2024	20-12-2024	Manifest Close
22	173422	19-12-2024	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	20.34 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	19-12-2024	20-12-2024	Manifest Close
23	171882	12-12-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	12.06 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	12-12-2024	13-12-2024	Manifest Close
24	171272	10-12-2024	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.26 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	10-12-2024	11-12-2024	Manifest Close
25	167691	22-11-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18.96 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	22-11-2024	23-11-2024	Manifest Close
26	166160	15-11-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	18.64 Tonnes	1	Sludge	Use PPE while loading, unloading & Transi	15-11-2024	16-11-2024	Manifest Close

27	165255 11-11-2024	Sri Balaji Petrochem	TN05AR2126	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	34.86 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-11-2024	14-11-2024	Manifest Close
28	165244 11-11-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	20.6 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-11-2024	15-11-2024	Manifest Close
29	165164 11-11-2024	Sri Balaji Petrochem	TN05AR2126	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	27.2 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-11-2024	20-11-2024	Manifest Close
30	164403 06-11-2024	INDO PETRO PRODUCTS	AP39W9304	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	8.42 Tonnes	40 Oily	Use PPE while loading, unloading & Transf	06-11-2024	07-11-2024	Manifest Close
31	164401 06-11-2024	INDO PETRO PRODUCTS	AP39W8228	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	2.12 Tonnes	10 Oily	Use PPE while loading, unloading & Transf	06-11-2024	07-11-2024	Manifest Close
32	164193 05-11-2024	Sri Balaji Petrochem	TN23A84604	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.1 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	05-11-2024	07-11-2024	Manifest Close
33	163569 02-11-2024	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.66 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	02-11-2024	04-11-2024	Manifest Close
34	163568 02-11-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.32 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	02-11-2024	04-11-2024	Manifest Close
35	163192 30-10-2024	Sri Balaji Petrochem	TN04AJ1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.12 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	30-10-2024	01-11-2024	Manifest Close
36	161299 21-10-2024	Supreme Petro Products (Wast	TN45BE6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	23.02 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	21-10-2024	22-10-2024	Manifest Close
37	159691 11-10-2024	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	13.04 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-10-2024	16-10-2024	Manifest Close
38	159687 11-10-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.34 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-10-2024	18-10-2024	Manifest Close
39	159653 11-10-2024	Sri Balaji Petrochem	TN05BE8285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	33.36 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	11-10-2024	15-10-2024	Manifest Close
40	159422 10-10-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Sludge and filters contaminated with oil	5.48 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	10-10-2024	15-10-2024	Manifest Close
41	158012 03-10-2024	Coastal Waste Management P	AP39TK9054	HW - Incinerable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	1.91 Tonnes	1 Semi Solid	Use PPE while loading, unloading & Transf	03-10-2024	04-10-2024	Manifest Close
42	157462 30-09-2024	INDO PETRO PRODUCTS	AP39W8228	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	2.97 Tonnes	14 Oily	Use PPE while loading, unloading & Transf	30-09-2024	01-10-2024	Manifest Close
43	157448 30-09-2024	INDO PETRO PRODUCTS	AP39W9304	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10 Tonnes	48 Oily	Use PPE while loading, unloading & Transf	30-09-2024	01-10-2024	Manifest Close
44	155669 21-09-2024	Sri Balaji Petrochem	TN05AR2126	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	9 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	21-09-2024	25-09-2024	Manifest Close
45	155651 21-09-2024	Hyothi lubricants	AP16TI2619	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	2.52 Tonnes	12 Oily	Use PPE while loading, unloading & Transf	21-09-2024	23-09-2024	Manifest Close
46	154316 14-09-2024	INDO PETRO PRODUCTS	AP39W8228	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	2.9 Tonnes	14 Oily	Use PPE while loading, unloading & Transf	14-09-2024	15-09-2024	Manifest Close
47	154312 14-09-2024	INDO PETRO PRODUCTS	AP39W9304	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	9.94 Tonnes	48 Oily	Use PPE while loading, unloading & Transf	14-09-2024	15-09-2024	Manifest Close
48	152764 06-09-2024	Hyothi lubricants	AP16TI2619	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.96 Tonnes	47 Oily	Use PPE while loading, unloading & Transf	06-09-2024	08-09-2024	Manifest Close
49	152457 04-09-2024	Sri Balaji Petrochem	TN05BE8285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	15.76 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	04-09-2024	06-09-2024	Manifest Close
50	152455 04-09-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	14.06 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	04-09-2024	06-09-2024	Manifest Close
51	151613 30-08-2024	Sri Balaji Petrochem	TN05AD5538	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	7.42 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	30-08-2024	04-09-2024	Manifest Close
52	151596 30-08-2024	Supreme Petro Products (Wast	TN28BK3417	HW - Recyclable	Waste oil/Used oil from D/G Sets, Vehicles, dredgers and other machinery	29.78 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	30-08-2024	31-08-2024	Manifest Close
53	151292 29-08-2024	Hyothi lubricants	AP16TI2619	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.92 Tonnes	48 Oily	Use PPE while loading, unloading & Transf	29-08-2024	30-08-2024	Manifest Close
54	150870 27-08-2024	Sri Balaji Petrochem	TN04AJ1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	13.38 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-08-2024	02-09-2024	Manifest Close
55	150868 27-08-2024	Sri Balaji Petrochem	TN05AR1670	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.96 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-08-2024	02-09-2024	Manifest Close

56	150861	27-08-2024	Manohar Lubricants	AP39UJ1696	HW - Recyclable	Waste oil/Used oil from D.G. Sets, Vehicles, dredgers and other machinery	13.92 Tonnes	67 Qty	Use PPE while loading, unloading & Transf	27-08-2024	28-08-2024	Manifest Close
57	150003	22-08-2024	Manohar Lubricants	AP39UJ1696	HW - Recyclable	Waste oil/Used oil from D.G. Sets, Vehicles, dredgers and other machinery	14.02 Tonnes	67 Qty	Use PPE while loading, unloading & Transf	22-08-2024	23-08-2024	Manifest Close
58	149714	21-08-2024	Supreme Petro Products (Wasi TN03JSS59	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	15.22 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	21-08-2024	21-08-2024	Manifest Close	
59	147321	08-08-2024	Supreme Petro Products (Wasi TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	14.74 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	08-08-2024	09-08-2024	Manifest Close	
60	146415	03-08-2024	Sri Balaji Petrochem	TN04AL1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	16.36 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	03-08-2024	07-08-2024	Manifest Close
61	146414	03-08-2024	Sri Balaji Petrochem	TN05B28285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	32.94 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	03-08-2024	07-08-2024	Manifest Close
62	145992	31-07-2024	Supreme Petro Products (Wasi TN28BK3417	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	29.16 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	31-07-2024	03-08-2024	Manifest Close	
63	145296	26-07-2024	Supreme Petro Products (Wasi TN45B6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	24.04 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-07-2024	31-07-2024	Manifest Close	
64	145131	25-07-2024	Supreme Petro Products (Wasi TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.22 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	25-07-2024	27-07-2024	Manifest Close	
65	145128	25-07-2024	Supreme Petro Products (Wasi TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.44 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	25-07-2024	31-07-2024	Manifest Close	
66	144411	20-07-2024	Sri Balaji Petrochem	TN05AR1670	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	13.16 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	20-07-2024	23-07-2024	Manifest Close
67	143070	10-07-2024	Sri Balaji Petrochem	TN05B28285	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	21.5 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	10-07-2024	15-07-2024	Manifest Close
68	142063	04-07-2024	Supreme Petro Products (Wasi TN52A8417	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	21.46 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	04-07-2024	04-07-2024	Manifest Close	
69	140933	27-06-2024	Supreme Petro Products (Wasi TN28BK3417	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	27.12 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-06-2024	27-06-2024	Manifest Close	
70	140929	27-06-2024	Supreme Petro Products (Wasi TN03K3378	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.84 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-06-2024	27-06-2024	Manifest Close	
71	140864	27-06-2024	Sri Balaji Petrochem	TN20AK3399	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.32 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	27-06-2024	28-06-2024	Manifest Close
72	140726	26-06-2024	Sri Balaji Petrochem	TN18C9589	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	8.88 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-06-2024	28-06-2024	Manifest Close
73	140691	26-06-2024	Supreme Petro Products (Wasi TN88C1799	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.26 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-06-2024	26-06-2024	Manifest Close	
74	140683	26-06-2024	Supreme Petro Products (Wasi TN45B6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.86 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-06-2024	26-06-2024	Manifest Close	
75	140686	26-06-2024	Supreme Petro Products (Wasi TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.62 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	26-06-2024	26-06-2024	Manifest Close	
76	139873	21-06-2024	Sri Balaji Petrochem	TN04AL1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	16.98 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	21-06-2024	24-06-2024	Manifest Close
77	139588	20-06-2024	Sri Balaji Petrochem	TN05AR1670	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.8 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	20-06-2024	21-06-2024	Manifest Close
78	138658	14-06-2024	Supreme Petro Products (Wasi TN20AW4257	HW - Recyclable	Waste oil from Ships	17.74 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	14-06-2024	16-06-2024	Manifest Close	
79	138640	14-06-2024	Sri Balaji Petrochem	TN05AD5538	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.28 Tonnes	1 Qty	Use PPE while loading, unloading & Transf	14-06-2024	18-06-2024	Manifest Close
80	137445	08-06-2024	Supreme Petro Products (Wasi TN18BE2599	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	26.12 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	08-06-2024	10-06-2024	Manifest Close	
81	137037	06-06-2024	Supreme Petro Products (Wasi TN03K3378	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	8.64 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	06-06-2024	07-06-2024	Manifest Close	
82	137035	06-06-2024	Supreme Petro Products (Wasi TN45B6517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	17.68 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	06-06-2024	07-06-2024	Manifest Close	
83	137027	06-06-2024	Supreme Petro Products (Wasi TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	12.48 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	06-06-2024	07-06-2024	Manifest Close	
84	137030	06-06-2024	Supreme Petro Products (Wasi TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	14.66 Tonnes	1 Sludge	Use PPE while loading, unloading & Transf	06-06-2024	07-06-2024	Manifest Close	

85	134351	22-05-2024	Supreme Petro Products (Wast	TN45806617	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.96 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	22-05-2024	22-05-2024	Manifest Close
86	134349	22-05-2024	Supreme Petro Products (Wast	TN03K3378	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.82 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	22-05-2024	22-05-2024	Manifest Close
87	132058	09-05-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	20.14 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	09-05-2024	09-05-2024	Manifest Close
88	130676	01-05-2024	Supreme Petro Products (Wast	TN45866517	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	22.2 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	01-05-2024	01-05-2024	Manifest Close
89	130629	01-05-2024	Supreme Petro Products (Wast	TN04A1199	HW - Recyclable	Waste oil from Ships	7.38 Tonnes	1 Oil	Use PPE while loading, unloading & Transit	01-05-2024	01-05-2024	Manifest Close
90	130618	01-05-2024	Supreme Petro Products (Wast	TN05B28285	HW - Recyclable	Waste oil from Ships	26.18 Tonnes	1 Oil	Use PPE while loading, unloading & Transit	01-05-2024	01-05-2024	Manifest Close
91	129538	25-04-2024	Supreme Petro Products (Wast	TN20AW4257	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	9.28 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	25-04-2024	25-04-2024	Manifest Close
92	129402	24-04-2024	Supreme Petro Products (Wast	TN04A1199	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	10.9 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	24-04-2024	24-04-2024	Manifest Close
93	128269	17-04-2024	Supreme Petro Products (Wast	TN20AW4455	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	19.44 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	17-04-2024	17-04-2024	Manifest Close
94	126977	11-04-2024	Supreme Petro Products (Wast	TN28BK3417	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	33 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	11-04-2024	11-04-2024	Manifest Close
95	126806	10-04-2024	Supreme Petro Products (Wast	TN88C1859	HW - Recyclable	Oil containing cargo residue washing water and sludge from ships	27.46 Tonnes	1 Sludge	Use PPE while loading, unloading & Transit	10-04-2024	10-04-2024	Manifest Close



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CALIBRATION CERTIFICATE

Certificate No. : SEPL/AAQMS/2024-25/366

Date of Issue : 08.08.2025

Customer : M/s. Krishnapatnam Port, Muthukur Mandal, SPSR Nellore, Andhra Pradesh.

Location : AAQMS-3 (Krishnapatnam Village)

Instrument Details:

Instrument : PM 10 Analyzer

Make : Met One Instruments, Inc, USA.

Model : BAM-1020

Serial No : X10170

Date of Calibration : 04.08.2025

Due Date : 03.02.2026

Calibration Film Details:

Details	Serial No.	Calibration Film Value
Calibration Film	X10170	0.813mg/cm ²

Calibration Details:

Parameter	Span Calibration		
	Standard Value	Measured Value	% Of Deviation
Film Value	0.813 mg/cm ²	0.818 mg/cm ²	0.61 %

Accepted Tolerance: $\pm 2\%$

Result: The Calibration of above instrument is performed and it meets the acceptance criteria.

Calibrated By:

Sk. Mohammad Rafi
Service-Engineer



Reviewed By:

V. Pradeep
Manager- Service



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CALIBRATION CERTIFICATE

Certificate No. : SEPL/AAQMS/2024-25/367

Date of Issue : 08.08.2025

Customer : M/s. Krishnapatnam Port, Muthukur Mandal, SPSR Nellore, Andhra Pradesh.

Location : AAQMS-3 (Krishnapatnam Village)

Instrument Details:

Instrument : PM -2.5 Analyzer

Date of Calibration : 04.08.2025

Make : Met One Instruments, Inc, USA.

Due Date : 03.02.2026

Model : BAM-1020

Serial No : X10168

Calibration Film Details:

Details	Serial No.	Calibration Film Value
Calibration Film	X10168	0.811mg/cm ²

Calibration Details:

Parameter	Span Calibration		
	Standard Value	Measured Value	% Of Deviation
Film Value	0.811 mg/cm ²	0.819 mg/cm ²	0.98%

Accepted Tolerance: $\pm 2\%$

Result: The Calibration of above instrument is performed and it meets the acceptance criteria.

Calibrated By:

Sk. Mohammad Rafi
Service-Engineer



Reviewed By:

V. Pradeep
Manager- Service

AAQMS Analyzers Calibration Report

Calibration date: 07-10-2025

AAQMS- 1 (CVR Building)

Site Address: Adani Krishnapatnam Port, Muthukur Mandal, SPSR Nellore, Andhra Pradesh

Thermo Scientific Analyzer	Parameter			Analyzer Measured Value		error	Acceptable error in full scale 1000 ppb(SO ₂ & NO _x) and 5ppm (CO)
	Standard	Concentration	Unit of Measurement	Before	After		
NO_x SNo. CM23087130	Zero	0.0	PPB	0.9	00	0.9	±1%
	NO _x Span	500	PPB	498	500	2	±1.5%
	Cylinder NO – DO14065(44/9 PPM) Expiry date: 28-11-2025						
NH₃ SNo. CM23087130	Zero	0.0	PPB	2	00	2	±1%
	NH ₃ Span	500	PPB	490	500	10	±1.5%
	Cylinder NO – DO11640 (102 PPM) Expiry date: : 28-11-2025						
SO₂ SNo. CM23087076	Zero	0.0	PPB	2.1	00	2.1	±1%
	SO ₂ Span	400	PPB	393	400	7	±1.5%
	Cylinder No – DO14131 (42 PPM) Expiry date: 28-11-2025						
CO SNo. CM22467086	Zero	0.0	PPM	0.10	00	0.10	±1%
	CO Span	4	PPM	3.93	4	0.7	±1.5%
	Cylinder No – DO14186(93 PPM) Expiry date: 28-11-2025						
PM10 5028i CM22488001	Zero Foil	0	µg	Auto zero active			±20µg
	Span Foil	1288	µg	1280	1288	8	±20µg
PM2.5 50128i CM22488001	Zero Foil	0	µg	Auto zero active			±20µg
	Span Foil	1288	µg	1283	1288	5	±20µg

1. Above analyzers are purged with zero air before performing the calibration.
2. Thermo Scientific make 146i Dynamic Gas Calibrator used for diluting span gases.
3. All the SPAN Gas Cylinders are the balance of N₂.

M/S. Thermo Fisher Scientific



M/s. Adani Krishnapatnam Port Ltd

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U73100MH2000PTC126872 CIN number

AAQMS Analyzers Calibration Report

Calibration date: 09-10-2025

AAQMS- 2 (Tamminapatnam)

Site Address: Adani Krishnapatnam Port, Muthukur Mandal, SPSR Nellore, Andhra Pradesh

Thermo Scientific Analyzer	Parameter			Analyzer Measured Value		error	Acceptable error in full scale 1000 ppb(SO ₂ & NO _x) and 5ppm (CO)
	Standard	Concentration	Unit of Measurement	Before	After		
NO_x SNo. CM22297063	Zero	0.0	PPB	0.3	00	0.3	±1%
	NO _x Span	500	PPB	495	500	5	±1.5%
	Cylinder NO – DO13954 (36/7 PPM) Expiry date: : 28-11-2025						
NH₃ SNo. CM22297063	Zero	0.0	PPB	3	00	3	±1%
	NH ₃ Span	500	PPB	490	500	10	±1.5%
	Cylinder NO – DO11640 (108 PPM) Expiry date: : 28-11-2025						
SO₂ SNo. CM22427072	Zero	0.0	PPB	1.7	00	1.7	±1%
	SO ₂ Span	400	PPB	397	400	3	±1.5%
	Cylinder No – DO14147 (49 PPM) Expiry date: 28-11-2025						
CO SNo. CM23077102	Zero	0.0	PPM	2	00	2	±1%
	CO Span	4	PPM	3.91	4	0.9	±1.5%
	Cylinder No – DO14054 (96 PPM) Expiry date: : 28-11-2025						
PM10 5028i CM22488002	Zero Foil	0	µg	Auto zero active			±20µg
	Span Foil	1288	µg	1279	1288	9	±20µg
PM2.5 50128i CM22488002	Zero Foil	0	µg	Auto zero active			±20µg
	Span Foil	1288	µg	1286	1288	2	±20µg

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AAQMS Analyzers Calibration Report

Calibration date: 10-10-2025

AAQMS- 3 (Krishnapatnam Village)

Site Address: Adani Krishnapatnam Port, Muthukur Mandal, SPSR Nellore, Andhra Pradesh

Thermo Scientific Analyzer	Parameter			Analyzer Measured Value		error	Acceptable error in full scale 1000 ppb(SO ₂ & NO _x) and 5ppm (CO)
	Standard	Concentration	Unit of Measurement	Before	After		
NO_x SNo. CM23087129	Zero	0.0	PPB	1.6	00	1.6	±1%
	NO _x Span	500	PPB	502	500	2	±1.5%
	Cylinder NO – DO14065(44/9 PPM) Expiry date: : 28-11-2025						
NH₃ SNo. CM23087129	Zero	0.0	PPB	2	00	2	±1%
	NH ₃ Span	500	PPB	496	500	4	±1.5%
	Cylinder NO – DO11640 (102 PPM) Expiry date: : 28-11-2025						
SO₂ SNo. CM23067073	Zero	0.0	PPB	2	00	2	±1%
	SO ₂ Span	400	PPB	393	400	7	±1.5%
	Cylinder No – DO14131 (42 PPM) Expiry date: : 28-11-2025						
CO SNo. CM23067091	Zero	0.0	PPM	1	0.0	1	±1%
	CO Span	4	PPM	3.92	4	0.8	±1.5%
	Cylinder No – DO14186(93 PPM) Expiry date: 20-11-2025						

1. Above analyzers are purged with zero air before performing the calibration.
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AAQMS Analyzers Calibration Report

Calibration date: 08-10-2025

AAQMS- 4 (Zero point)

Site Address: Adani Krishnapatnam Port, Muthukur Mandal, SPSR Nellore, Andhra Pradesh

Thermo Scientific Analyzer	Parameter			Analyzer Measured Value		error	Acceptable error in full scale 1000 ppb(SO ₂ & NO _x) and 5ppm (CO)
	Standard	Concentration	Unit of Measurement	Before	After		
NO_x SNo. CM	Zero	0.0	PPB	0.7	00	0.7	±1%
	NO _x Span	500	PPB	499	500	1	±1.5%
	Cylinder NO – DO620696 (42/8 PPM) Expiry date: : 28-11-2025						
NH₃ SNo. CM	Zero	0.0	PPB	4	00	4	±1%
	NH ₃ Span	500	PPB	490	500	10	±1.5%
	Cylinder NO – DO9194 (99 PPM) Expiry date: : 28-11-2025						
SO₂ SNo. CM	Zero	0.0	PPB	3.1	00	3.1	±1%
	SO ₂ Span	400	PPB	394	400	6	±1.5%
	Cylinder No – DO620842 (45 PPM) Expiry date: : 28-11-2025						
CO SNo. CM	Zero	0.0	PPM	1.1	00	1.1	±1%
	CO Span	4	PPM	3.00	4	1.0	±1.5%
	Cylinder No – DO620685(195 PPM) Expiry date: : 28-11-2025						
PM10 5028i CM	Zero Foil	0	µg	Auto zero active			±20µg
	Span Foil	1288	µg	1275	1288	13	±20µg
PM2.5 50128i CM	Zero Foil	0	µg	Auto zero active			±20µg
	Span Foil	1288	µg	1277	1288	11	±20µg

1. Above analyzers are purged with zero air before performing the calibration.
2. Thermo Scientific make 146i Dynamic Gas Calibrator used for diluting span gases.
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AAQMS Analyzers Calibration Report

Calibration date: 08-10-2025

AAQMS- 5

Site Address: Adani Krishnapatnam Port, Muthukur Mandal, SPSR Nellore, Andhra Pradesh

Thermo Scientific Analyzer	Parameter			Analyzer Measured Value		error	Acceptable error in full scale 1000 ppb(SO ₂ & NO _x) and 5ppm (CO)
	Standard	Concentration	Unit of Measurement	Before	After		
NO_x SNo. CM	Zero	0.0	PPB	0.6	00	0.6	±1%
	NO _x Span	500	PPB	497	500	3	±1.5%
	Cylinder NO – DO620759 (42/8 PPM) Expiry date: 28-11-2025						
NH₃ SNo. CM	Zero	0.0	PPB	3	00	3	±1%
	NH ₃ Span	500	PPB	491	500	9	±1.5%
	Cylinder NO – DO9185 (103 PPM) Expiry date: : 28-11-2025						
SO₂ SNo. CM	Zero	0.0	PPB	2	00	2	±1%
	SO ₂ Span	400	PPB	392	400	8	±1.5%
	Cylinder No – DO620719 (45 PPM) Expiry date: : 28-11-2025						
CO SNo. CM	Zero	0.0	PPM	0.27	00	0.27	±1%
	CO Span	4	PPM	3.98	4	0.2	±1.5%
	Cylinder No – DO620590 (183 PPM) Expiry date: : 28-11-2025						
PM₁₀ 5028i CM	Zero Foil	0	µg	Auto zero active			±20µg
	Span Foil	1288	µg	1284	1288	4	±20µg
PM_{2.5} 50128i CM	Zero Foil	0	µg	Auto zero active			±20µg
	Span Foil	1288	µg	1281	1288	7	±20µg

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