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Half yearly Compliance report of Environment and CRZ Clearance for Phase III of Adani Pet

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Om Prakash Yadav

Wed 11/25/2020 2:22 PM

To: rowz.bpl-mef@nic.in

Cc: bharuchgpcb@yahoo.com; westzonepcb@yahoo.com; chairman-gpcb@gujarat.gov.in; gpcb-bha@gujarat.gov.in; me

EC & CRZ Compliance Report...

7 MB

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Letter No.: APPPL-EHS/MOEF RO/EC Comp (III)

Date: 25.11.2020

To

The Deputy Director General of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (WZ),
E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3,
Ravishankar Nagar, Bhopal - 462016 (M.P.)
Email: rowz.bpl-mef@nic.in

Dear Sir,

Sub.:- Six Monthly Compliance Report of Environment and CRZ Clearance for the period from **April, 2020 to September, 2020**

Ref.:- 1) Environmental and CRZ Clearances granted to M/s. Adani Petronet (Dahej) Port Pvt Ltd for **Phase-III** vide letter dated 14/11/2016 bearing F. No.: 11-37/2007-IA-III.
2) CRZ Clearance / Recommendation issued by Department of Environment & Forest, GoG for **Phase-III** vide letter dated 14/03/2016 bearing No.: ENV-10-2015-171-E.

Please find enclosed herewith point wise compliance report of conditions stipulated in the above referred letters.

Thanking you,

Yours Faithfully,

For M/s Adani Petronet (Dahej) Port Pvt. Ltd.

(Authorized Signatory)

Copy to:

1. The Director (Monitoring-IA Division), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003.
2. The Director, Forest and Environment Department, Block-14, 8th Floor, Sachivalaya, Gandhinagar, Gujarat-382 010.
3. The Zonal Officer, Central Pollution Control Board, Zonal Office Vadodra, Parivesh Bhawan, Opposite VMC Ward office No. 10, Subhanpura, Vadodra-390 023.
4. The Chairman, Gujarat Pollution Control Board, Parvayaran Bhawan, Sector-10A, Gandhinagar-382010 (Gujarat).
5. Integrated Regional Office, Gandhinagar, Gujarat
6. The Regional Officer, Gujarat Pollution Control Board, Bharuch (Gujarat)

एकीकृत क्षेत्रीय कार्यालय
Integrated Regional Office
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
Ministry of Environment, Forest & Climate Change,
भारत सरकार, भोपाल Govt of India, Bhopal.

Adani Petronet (Dahej) Port Pvt. Ltd
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26-11-20



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Logistics

Letter No.: APPPL-EHS/MOEF RO/EC Comp (III)

Date: 25.11.2020

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5. Integrated Regional Office, Gandhinagar, Gujarat
6. The Regional Officer, Gujarat Pollution Control Board, Bharuch (Gujarat).

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	Adani Petronet (Dahej) Port Private Limited	From: April, 2020 To : Sept., 2020
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**SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT & CRZ
CLEARANCE PHASE – III**

FOR

DEVELOPMENT OF SOLID CARGO PORT TERMINAL

AT

DAHEJ, DISTRICT: BHARUCH, GUJARAT

(FOR THE PERIOD: APRIL, 2020 TO SEPTEMBER, 2020)

BY

M/s. Adani Petronet (Dahej) Port Private Limited

Village Lakhigam, Taluk Vagra, Bharuch District,

Pin Code 392130, Gujarat

	Adani Petronet (Dahej) Port Private Limited	From: April, 2020 To : Sept., 2020
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LIST OF APPENDIXES

S. No	Details
1	Environmental and CRZ Clearances for Phase-III issue by MOEF&CC vide letter dated 14/10/2016 bearing F. No.: 11-37/2007-IA-III
2	CRZ Clearance / Recommendation issued by Department of Environment & Forest, GoG for Phase-III vide letter dated 14/03/2016 bearing No.: ENV-10-2015-171-E

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
(i)	'Consent for Establish' 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. Consent for establish was obtained from Gujarat Pollution Control Board vide no 71696 dated 08.09.2015, valid up to 07.07.2020. Copy of Consent to Establish was submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III), dated 28.11.2017. Application for Validity extension of Consent to establish has been submitted to GPCB, application No. 183932 same is under process at present.
(ii)	Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.	Complied. <ul style="list-style-type: none"> All the construction activities are being carried out as per the provisions of CRZ notification 2011 and EIA notification 2006. No construction work other than those permitted in Coastal Regulation Zone Notification has been carried out in Coastal Regulation Zone area.
(iii)	The Project proponent shall ensure that there shall be no damage to the existing mangroves patches near site and also ensure the free flow of water to avoid damage to the mangroves.	Being Complied There is no damage to Mangrove due to project activity. Free flow to the mangroves near the project area is maintained.
(iv)	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	Complied. No creeks are blocked due to project activity.
(v)	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.	Complying with. <ul style="list-style-type: none"> Reclamation of the area is being done as per the approval received. There is no dumping of any material outside the project area towards the shore. National Institute of Ocean Technology, Chennai has carried out study on shoreline changes in the vicinity of Dahej Port. The results of shoreline change analysis using high resolution satellite images since 2011 deposition along the northern sector, erosion along southern sector and almost stable along the southeastern sector. The seasonal and yearly shoreline changes

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
		<p>indicates the dynamic nature of the coastline.</p> <ul style="list-style-type: none"> Report of shoreline change analysis was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 23.11.2019. No marine construction activities are carried out on marine front after September, 2019.
(vi)	The commitments made during the Public Hearing and recorded in the Minutes shall be complied with letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.	<p>Complied.</p> <p>All the commitments made during the public hearing have been complied with. An action taken report is enclosed as Annexure 1.</p>
(vii)	All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster management Plan shall be strictly complied with.	<p>Being Complied</p> <ul style="list-style-type: none"> All conditions stipulated in the EC and CRZ clearances are being complied with. A separate six monthly compliance report is being submitted to MoEF&CC and other authorities. All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 4. APDPPL has a well-defined DMP and regular mock drills are being conducted. DMP is also reviewed at regular interval. Last Mock drill was conducted on 29.09.2020. Last revision in the DMP was done on 01.05.2020.
(viii)	The material for reclamation shall be sourced only through Government approved quarry. The quarried material shall be free from all kinds of contamination and high organic carbon contents. The same should be tested prior to reclamation.	<p>Being Complied</p> <p>All the material for reclamation is procured through approved agency. It has been ensured that Material used for reclamation is free from high organic carbon contents.</p>
(ix)	The coal shall be stored only in designated stock yard with dust control measures viz. wind screen of height at least 2 m above the coal stock, made of fabric/HDPE, water sprinkler arrangement, green belt of at least three layers of suitable trees and	<p>Being Complied</p> <p>Coal being stored at designated stock yard with dust control measures viz. wind screen made of steel of height at least 2 m above the coal stock, water sprinkler arrangement, green belt of suitable trees and scrubs.</p>

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
	scrubs.	
(x)	The coal from the ships shall be conveyed through closed conveyor to the coal stock yard. The conveyor shall be seamless without joints/transfer points.	Noted for Compliance. Mechanization of South Berth is yet to be implemented. After project completion coal will be transported through closed conveyor to the coal stock yard. The alignment of the conveyer will be based on the engineering requirement to meet the objectives.
(xi)	The dust from the roads shall be periodically cleaned and dust suppression by water spray be carried out.	Being Complied Regular cleaning of roads is being carried out with the help of two high vacuum road sweeping machine. Regular water sprinkling is carried out by two mobile water tankers.
(xii)	The mangrove plantation of 50 ha shall be under taken in consultation with Gujarat Ecology Commission / State Forest Department.	Complied. The mangrove plantation of 50 ha has been completed at Village Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise Limited (SAVE). Report of 50 ha Mangrove Plantation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 29/05/2019.
(xiii)	Cargo shall be unloaded directly into hopper from the ship and transported to the stack yards through closed conveyor system only. Inbuilt dust suppression systems shall be provided at hoppers and all the transfer points / storage yards. Cargo shall not be unloaded directly onto the berth. Water meters shall be provided at different locations to record the consumption of water used for dust suppression and daily log shall be maintained.	Being Complied <ul style="list-style-type: none"> At mechanized berth of APDPPL, cargo is handled through conveyor system. Material handling system is equipped with Dry Fog Dust Suppression System. Coal storage yard is equipped with dust suppression system. After mechanization of south berth, desired pollution control measures shall made as a part of material handling system.
(xiv)	Disposal sites for excavated material should be so designed that the revised land use after dumping and changes in the land use pattern do not interfere with the natural drainage	Being Complied All the construction activities are as per the approval received under CRZ notification 2011 and EIA notification 2006. During Project (Phase III) implementation, it will be ensured that there shall not be any interference with the natural drainage of the area.
(xv)	The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.	Complied. Ground water is not tapped in CRZ area for the project. Water requirement is being met through GIDC water supply.
(xvi)	Necessary arrangements for the treatment	Complied.

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
	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.	<ul style="list-style-type: none"> Domestic effluent is being treated in STPs. The treated water conforming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from April, 2020 to September, 2020 are enclosed as Annexure –3F. APDPPL regularly submits report to State Pollution Control Board.
(xvii)	All the operational areas will be connected with the network of liquid waste collection corridor comprising of storm water, oily waste and sewage collection pipelines.	<p>Complied.</p> <p>There is no liquid effluent generation during construction and operation of project. Separate storm water drain network have been provided. Domestic effluent is being transported from generation point to STP in close type Gully Men vehicle. Dedicated Hazardous waste storage area has provided for collection and storage of Hazardous waste.</p>
(xviii)	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 as part of the management plan.	<p>Complied.</p> <p>Marine ecology is being monitored through NABL accredited & MoEF&CC recognized laboratory M/s Pollucon Laboratories, Surat. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of April, 2020 to September, 2020 are enclosed as Annexure 3C and 3D.</p>
(xix)	The marine ecology management plan being drawn up with regards to the environmental impacts of natural disasters, oil spills and other wastes, dredging and dumping on marine ecology (all micro, macro and mega biotic components) shall be scrupulously implemented. It shall be ensured that the marine ecology in the area of influence is not adversely affected.	<p>Being Complied</p> <ul style="list-style-type: none"> No waste or dredged material is dumped so as to disturb the marine ecology Marine ecology is being monitored through NABL accredited & MoEF&CC recognized laboratory M/s Pollucon Laboratories, Surat. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of April, 2020 to September, 2020 are enclosed as Annexure 3C and 3D.
(xx)	Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.	<p>Complied.</p> <p>Marine ecology is being monitored through M/s Pollucon Laboratories, a NABL accredited and MoEF&CC recognised laboratory. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of April, 2020 to September, 2020 are enclosed as Annexure 3C and 3D.</p>

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
(xxi)	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.	Complied. <ul style="list-style-type: none"> APDPPL is having well established Oil Spill Contingency Plan. There is no Oil spill reported during the period of April, 2020 to September, 2020 Periodic Mock drills are conducted. Latest mock drill was conducted on 29.09.2020.
(xxii)	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.	Being Complied All the recommendations and suggestions given by NIO, M/s Cholanmandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 4 .
(xxiii)	Ships/barges/vessels shall not be allowed to release any oily bilge waste or ballast water in the sea. Any effluents from the Jetty which have leachable characteristics shall be segregated and recycled/ disposed as per SPCB guidelines. Ships/vessels calling at the jetty shall not dump waste/bilge water during the berthing period.	Being Complied There is no discharge of oily bilge waste or ballast water in the sea within port limit. APDPPL is not accepting any kind of Hazardous Waste from ships/vessels.
(xxiv)	Location of DG sets and other emission generating equipment shall be decided keeping in view the predominant wind direction so that emissions do not effect nearby residential areas. Installation and operation of DG sets shall comply with the guidelines of CPCB.	Complied. <ul style="list-style-type: none"> DG sets are installed as per the approval. Periodic Monitoring of DG set Stack emission & noise is being carried out M/s Pollucon Laboratories, a NABL accredited and MoEF&CC recognised laboratory. Test reports of emission from DG sets are enclosed as Annexure 3H.
(xxv)	All the mechanized handling systems and other associated equipment's such as hoppers, belt conveyors, stacker cum reclaimers shall have integrated dust suppression systems. Dust suppression systems shall be provided at all transfer point.	Being Complied <ul style="list-style-type: none"> At APDPPL, on mechanize berth cargo is handled through conveyor system. Material handling system is equipped with Dry Fog Dust Suppression System. Coal storage yard is equipped with dust suppression system. After mechanization of south berth, desired pollution control measures shall be made as a part of material handling system.
(xxvi)	No product other than permitted under the CRZ Notification, 2011 shall be stored in the CRZ area.	Complied. APDPPL is handling dry cargo mainly coal and other bulk cargos at designated storage areas

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
		as per approval & CRZ notification 2011.
(xxvii)	The quality of treated effluents, solid wastes, emissions and noise levels and the like, from the project area must 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.	<p>Complied.</p> <p>The quality of treated effluents, solid wastes, emissions and noise levels is being monitored through M/s Pollucon Laboratories, a NABL accredited and MoEF recognised laboratory.</p> <p>Monitoring Reports for the period of April, 2020 to September, 2020 is enclosed as Annexure 3.</p> <p>Disruption in monthly environment monitoring due to COVID-19 in month of April, 2020 to May, 2020. Same was informed to MoEF&CC vide letter No. APDPPL dated 23.04.2020. Copy of Intimation mail attached as Annexure-11</p>
(xxviii)	All the mitigation measures suggested in the EIA report and the marine environment study of CWPRS, Pune shall be implemented. The compliance for each of these measures shall be submitted to concerned SPCB and R.O. of this Ministry along with six monthly compliance reports.	<p>Being Complied</p> <ul style="list-style-type: none"> All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 4
(xxix)	It shall be ensured by the Project Proponent that the activities does not cause disturbance to the fishing activity, movements of fishing boats and destruction to mangroves during the construction and operation phase.	<p>Complied.</p> <p>There is no commercial fishing in the area. Free access to the "Pagadiya" fishermen is available. There is no impact on fishermen livelihood due to project activity.</p>
(xxx)	The Project Proponent shall take up and earmark adequate fund for socio-economic development and welfare measures as proposed under the CSR Programme. This shall be taken up on priority.	<p>Complied.</p> <p>The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same for the period of April, 2020 to September, 2020 is attached as Annexure – 2.</p>
(xxxi)	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.	<p>Complied.</p> <p>APDPPL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as Annexure – 7.</p>
(xxxii)	The funds earmarked for environment	Complied.

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
	management plan shall be included in the budget and this shall not be diverted for any other purposes.	Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), Closed Conveyor System Maintenance etc. The allocation of budget for the FY 2020-21 was approx. Rs. 365.24lacs. Details of the environmental budget and expenditure during compliance period from April, 2020 to September, 2020 is enclosed as Annexure – 6.
(xxxiii)	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.	Being Complied All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure – 4.
(xxxiv)	Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system, measures to be taken for protection. One set of environmental manual shall be made available at the project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.	Complied <ul style="list-style-type: none"> APDPPL has prepared operating manual for all activities and is certified for ISO 14001: 2015, ISO 9001: 2015 and ISO 45001:2018. Copy of certificate of ISO is enclosed as Annexure-9 Complete set of operating manual is available at site. Regular awareness sessions are organized for each level of employee as per the training need identification (TNI) done by HR department. All the schedules and results of environmental monitoring are available at EHS department at project site.
(xxxv)	Corporate Social Responsibility: <ol style="list-style-type: none"> The Company shall have a well laid down Environment Policy approved by the Board of Directors. The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/ deviation/violation of the environmental or forest norms/ conditions. The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the 	Being Complied <ul style="list-style-type: none"> Company has an Environment Policy. All the requirements mention in the condition are being met through Environment Management System (ISO 14001:2015). The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions (Environment Cell Organogram) is enclosed as Annexure – 7. APDPPL has form a management review

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
	<p>environmental clearance conditions shall be furnished.</p> <p>d. To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.</p>	<p>committee-comprising of various heads of departments and chaired by site head. This review committee meets once in six month to review and monitor EHS performance of the site. All action items are being recorded and implemented.</p>
B. General Conditions.		
i	<p>Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.</p>	<p>Being Complied</p> <p>No digging activities carried out during the compliance period. Digging activities were done only for piling and foundation works of structures. Appropriate measures are being taken during such activities. Two Piezometers have been installed at different locations inside port. Regular monitoring of ground water level & quality is being done through M/s Pollucon Laboratories, a NABL accredited and MoEF&CC recognised laboratory. Copies of reports are enclosed as Annexure 3B.</p> <p>Disruption in monthly environment monitoring due to COVID-19 in month of April, 2020 to May, 2020. Same was informed to MoEF&CC vide letter No. APDPPL dated 23.04.2020. Copy of Intimation mail attached as Annexure-11</p>
ii	<p>Full support shall be extended to the officers of this Ministry/ Regional Office at Bhopal by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.</p>	<p>Being Complied</p> <ul style="list-style-type: none"> APDPPL is regularly submitting six monthly compliance reports which comprises of Compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports etc. Whenever any authorities such as MoEF&CC, GPCB and GMB etc. visit the APDPPL full support is extended and APDPPL provides all additional information seek by them during the inspection. Latest visit of Gujarat Pollution Control Board was on 08.10.2020.
iii	<p>A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at</p>	<p>Noted and Complied.</p> <p>APDPPL is regularly submitting six monthly</p>

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Status/Action taken
	Bhopal regarding the implementation of the stipulated conditions.	compliance reports which comprises of compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports and EMP Status etc. and Last submission was on done vide letter No. APPPL-EHS/MOEF RO/EC Comp (III) dated 20.05.2020.
iv	Ministry of Environment, Forest and Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with	Noted and Agreed.
v	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	Noted & Agreed.
vi	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest and Climate Change.	Complied There is no change in the implementation of project profile/agency.
vii	The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	Complied <ul style="list-style-type: none"> Financial closure date for the project is 29/10/2014. Consent to Establish from Gujarat Pollution Control Board is obtained on 08/09/2015, valid up to 07.07.2020. Applied for Validity extension of Consent to establish application No. 183932 under process. Start of land development (23 Ha. reclamation) work 17.10.2017.
viii	A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.	Complied Copy of the clearance letter is submitted to concern Panchayat/ local NGO by hand and by register speed post. Copy of the acknowledgement and receipt of speed post were submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III), dated 28.11.2017.
ix	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution	Complied This condition does not belong the project proponent, however, APDPPL has submitted

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
	Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days	request letter along with a copy of environment clearance letter for display to Gujarat Pollution Control Board, District Industries Centre and Collector's Office vide letter dated 27.10.2016.
11	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 & Agreed
12	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Complied <ul style="list-style-type: none"> For storage of HSD approval has been taken from PESO vide letter no P/WC/GJ/14/3668(P221616) and valid up to 31.12.2022. Copy of HSD license enclosed as Annexure-10 Forest clearance has been taken for 38 ha of land (Phase II) vide letter no A-1006(10-9)SF-76-K dated 1st July 2008 from DOEF. Clarence from MOEF was obtained vide letter no 6-GJC060/2006-BHO/1508 dated 16th June 2008. Fire NOC: Not Applicable. Civil Aviation: Not Applicable. Permission under Wildlife (Protection) Act, 1972: Not Applicable.
13	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 and CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at http://www.envfor.nic.in . 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 Regional office	Complied <ul style="list-style-type: none"> Environment clearance letter is publish in "Indian Express" and "Gujarat Guardian" newspapers on dated 25th October 2016 which is within 7 days of from the date of the receipt of clearance letter. Copy of advertisement has been submitted to Regional Office MOEF on 28th October 2016 vide letter no APDPPL/MOEF-RO/01/2016. Copy of the same was submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III), dated 28.11.2017.

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
	of this Ministry at Bhopal.	
14	This 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.
15	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	Complied. The status of environment clearance conditions is available on company website that i.e. www.adaniports.com/ports-downloads
16	Any appeal against this Clearance shall lie with the National 18 Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of The National Green Tribunal, Act, 2010.	Noted.
17	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 <ul style="list-style-type: none"> Copy of the clearance letter is submitted to concerned Panchayat, Zila Parishad, local body and the local NGO by hand and registers speed post. Copy of the acknowledgement and receipt of speed post was submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) , dated 28.11.2017. Copy of environment clearance is also available on company website i.e. www.adaniports.com/ports-downloads
18	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 MoEFCC, the respective Zonal Office of CPCB and the SPCB.	Complied <ul style="list-style-type: none"> Compliance reports along with monitored data are available on company website i.e. www.adaniports.com/ports-downloads Same is being regularly submitted to concerned authorities. Last submission was on 20.05.2020
19	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the	Complied <ul style="list-style-type: none"> Environment statement regularly being submitted to Gujarat Pollution Control Board. Last report was submitted dated 26.05.2020. Copy of report is also available on company website i.e. www.adaniports.com/ports-downloads Same has been sent by email to RO, GPCB,

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Status/Action taken
	company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEFCC by email.	Bharuch, MS, GPCB(Gandhinagar) Regional office, Bhopal, MoEF & CC on 20.05.2020.

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III

Sr. no.	Conditions	Status/Action taken
1	The provisions of the CRZ Notification of 2011 shall be strictly adhered to by M/s APDPPL. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by M/s APDPPL	Complied. <ul style="list-style-type: none"> All the construction activities are being carried out as per the provisions of CRZ notification 2011 and EIA notification 2006. No activity or work other than those permitted in Coastal Regulation Zone Notification has been carried out in Coastal Regulation Zone area.
2	The APDPPL shall ensure that there shall not be any blockage of creek and free flow of water is maintained	Complied. No creeks are blocked due to project activity.
3	The APDPPL shall have to comply with the agreement made by them with GACL regarding re-routing of the pipeline of GACL and M/s APDPPL shall have to borne the cost as per agreement.	Complied. Re-routing of the pipeline of GACL has been completed and all expenditure has been borne by APDPPL.
4	The APDPPL shall not construct any storage facilities for material/chemicals in the CRZ area except for those permissible as per Annexure – II of the CRZ Notification -2011. Also for other Hazardous chemical, outside CRZ areas, the APDPPL shall have to consult SDMA for Disaster Management Plan.	Being Complied <ul style="list-style-type: none"> APDPPL is handling dry cargo mainly coal and other bulk cargos at designated storage areas as per approval & CRZ notification 2011. APDPPL has a well-defined DMP and regular mock drills are being conducted. DMP is also reviewed at regular interval Last Mock drill was conducted on 23.04.2020. Last revision in the DMP was done on 01.05.2020.
5	All necessary permission from different Government Departments / agencies shall be obtained by M/s APDPPL before commencing the activities.	Complied <ul style="list-style-type: none"> Consent to establish has already been obtained vide GPCB/BRCH-B/CCA-06(6)/ID 31664/326835 dated 08/09/2015.valid up to 07.07.2020. Applied for Validity extension of Consent to establish application No. 183932 under process. For storage of HSD approval has been taken from PESO vide letter no P/WC/GJ/14/3668(P221616) and valid up to 31.12.2022. Clarence from MOEF was obtained vide letter no 6-GJC060/2006-BHO/1508 dated 16th June 2008.
6	The APDPPL shall ensure that there shall be no damage to the existing mangrove patches near the site and also ensure the free flow of water to avoid damage to the mangrove.	Complied There is no damage to Mangrove due to project activity. Free flow to the mangroves near the jetty approach is maintained.

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Status/Action taken
7	All the recommendation and suggestions given by Cholamanadalam MS Risk Services Limited, Chennai in their Environment Impact Assessment reports for conservation / protection and betterment of environment shall be implemented strictly by M/s APDPPL.	Being Compiled <ul style="list-style-type: none"> All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 4.
8	The construction and operational shall be carried out in such a way that there is no negative impact on mangroves, if any, and other important coastal/ marine habitats. The construction activities shall be carried out only under the guidance / supervision of the reputed institute/ organization.	Being Complied <ul style="list-style-type: none"> Construction and operation activities are being done in such a way that there is no impact on the mangroves. Free access to the "Pagadiya" fishermen is available. There is no impact on fishermen livelihood due to project activity. Gujarat Marine Board is regularly monitoring the project progress.
9	The construction debris and/or any other type of waste shall not be disposed of into the sea, creek or in the CRZ areas. The debris shall be removed from the construction site immediately after the construction is over.	Complied <ul style="list-style-type: none"> No debris or other construction waste is being disposed into the sea, creek or in CRZ areas. Reclamation of the area is being done as per the approval received.
10	The construction camps shall be located outside the CRZ area and the construction labour shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labours.	Complied No labour camps are located in Coastal Regulation Zone area. Labours are managed through contractors and they are from surrounding villages and have been provided residential facilities in the surrounding villages.
11	M/s APDPPL shall prepare and regularly update the local oil spill contingency and Disaster Management Plan in consonance with the National Oil Spill and Disaster Contingency plan and shall submit the same to this Department after having it vetted through the Indian Coast Guard.	Complied <ul style="list-style-type: none"> Oil Spill Contingency Plan is submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012. APDPPL has a well-defined DMP and regular mock drills are being conducted. DMP is also reviewed at regular interval Last Mock drill was conducted on 26.10.2020. Last revision in the DMP was done on 01.05.2020.
12	M/s APDPPL shall bear the cost of the external agency that may be appointed by this Department for supervision /monitoring of proposed activities and the impact of the proposed activities.	Noted and shall be complied.
13	The jetty and most of the approach would be supported on piles allowing adequate flow of	Complied. Jetty approach is already operational. No new

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Status/Action taken
	water without significant obstruction	jetty is proposed under the phase III development except the widening of rubble bund.
14	The ground water shall not be tapped within the CRZ areas by the APDPPL to meet the water requirement in any case.	Complied. Ground water is not tapped in CRZ area for the project. Water requirement is been met through GIDC water supply.
15	M/s APDPPL shall take up massive greenbelt development activities in consultation with Forest Department / GEER Foundation / Gujarat Ecology commission. A comprehensive plan for this purpose has to be submitted to the Forests and Environment Department.	Complying with. Green belt is being developed in an area of 19.40 ha including periphery of the project boundary. Detailed plan of the green belt development plan is enclosed as Annexure - 5 .
16	Mangrove plantation in 50 Ha. Shall be carried out in consultation with the Gujarat Ecology Commission/ Forest Department by M/s APDPPL within a period of two years from the date of issuance of the CRZ clearance by the MoEF&CC, GOI and an action plan in this regard shall be submitted to this Department along with satellite images and GPS readings with Latitudes and Longitudes.	Complied. The mangrove plantation of 50 ha has completed at Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise Limited (SAVE). Report of 50 ha Mangrove Plantation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 29/05/2019.
17	The APDPPL shall have to take up bio-shielding development programme in consultation with the Forests Department/ PCCF and an action plan in this regard shall have to be submitted to the MoEF&CC – GOI and this department.	Being Complied <ul style="list-style-type: none"> Area identification for Bio shield project is done at Malpur and Isanpur village, Jambusar Taluka, Bharuch district is completed. M/s. Saline Area Vitalization Enterprise Limited (SAVE) is carrying out Bio Shield development programme in collaboration with local villagers. <p>Some highlights of project are as below;</p> <ul style="list-style-type: none"> Area to be developed: 20ha Width: 200 – 300 mt. Length: 1,000 mt. (01 Km) Plants: Mangroves, Pilu (Salvadora, Unt Morad and local grass species Completion Period: 36 Months A mangrove nursery having 35150 saplings has been developed by SAVE in association with village women, these women will be executing the process of Bio shield right from plantation to gap filling and maintenance.

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Status/Action taken
		<ul style="list-style-type: none"> In the period from December- January, the sapling counting of the Nursery was done and it was found that 27110 Plants are living, which is around 77% survival In the period from June – July, 2020 mangrove plants counting work done and it was found that 7430 plants are living Nursery formation completed and Pilu/Untmorad plantation work under process during compliance period. Final report will be submitted along with compliance on completion of Bio Shield development Programme.
18	M/s APDPPL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in consultation with the Forests and Environment Department and the District Collector / District Development Officer.	Complied. The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same for the period of April, 2020 to September, 2020 is attached as Annexure – 2.
19	A separate budget shall be earmarked for environmental management and socio-economic activities including the green belt /mangrove plantation and details thereof shall be furnished to this department as well as the MoEF&CC, GOI. The details with respect to the expenditure from this budget head shall also be furnished alongwith the compliance report.	Complied. Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), Closed Conveyor System Maintenance and etc. The allocation of revenue budget for Environment Cell for the FY 2020-21 was approx. Rs. 365.24lacs. Details of the environmental budget and expenditure during compliance period from April, 2020 to September, 2020 is enclosed as Annexure – 6.
20	A separate Environment Management Cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project	Complied. APDPPL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as Annexure – 7.
21	Environmental Audit report indicating the changes, if any, with respect to the baseline environment quality in the coastal and marine environment shall be submitted every year by M/s APDPPL to this Department as well as to the MoEF&CC, GOI.	Being Complied <ul style="list-style-type: none"> The quality of ambient air, treated wastewater from STP, sea water and sediment, ground water and noise levels is being monitored through M/s Pollucon Laboratories, a NABL accredited agency. Monitoring Reports for the period of April, 2020 to September, 2020 is enclosed

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Status/Action taken
		<p>as Annexure 3.</p> <ul style="list-style-type: none"> • Report confirms that there is no significant change in the quality in comparison to base line (wherever available)
22	A six monthly report on compliance of the conditions mentioned in this letter shall have to be furnished by M/s APDPPL on a regular basis to this Department as well as to the Ministry of Environment, Forest and Climate Change, Government of India.	<p>Complying with.</p> <ul style="list-style-type: none"> • APDPPL is regularly submitting six monthly compliance reports which comprises of compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports, status of EMP etc. • Last submission was done on vide letter No. APPPL-EHS/MOEF RO/EC Comp (III) Dated 20.05.2020.
23	Any other condition that may be stipulated by this Department / Ministry of Environment, Forest and Climate Change, Government of India from time to time for environmental protection / management purpose shall also have to be complied with by M/s APDPPL.	<p>Noted and agreed to comply with</p> <p>Any other condition that may be stipulated by this Department / Ministry of Environment, Forest and Climate Change, Government of India from time to time for environmental protection.</p>

Annexure – 1
Action taken on PH commitments

Status of the action item of public consultation points

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
1.	Shri Manaharbbhai Gohil, President Jilla Panchayat Village: Lakhigam, Taluka: Vagra, District: Bharuch	<ul style="list-style-type: none"> Participating the public hearing he said that, he has studied the EIA report which is misleading. Five notices have been issued to the unit by GPCB but the data presented in the presentation are really shocking. There is increase in noise pollution due to company. All the improvements made by the unit are only during last three months. Tyre washing of Vehicle is not carried out. Equipment's purchased for maintaining cleanliness is not used regularly and there is no proper implementation of instructions given by GPCB through the notices. Further he made following observations /suggestions: <ol style="list-style-type: none"> Company has not taken permission from village panchayat for installation of conveyor belt passing thorough the road. Transportation of coal through trucks should be stopped. Precautions should be taken to avoid fire in coal storage area. "Court Commission" should be appointed for evaluation of current 		After completing his representation, he immediately left the venue.	Reply sent on 18 th March 2015 as he immediately left the venue. No further action is required. Copy already submitted to MoEF as a part of EIA Annexure -16.

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<p>environmental condition of the company.</p> <ul style="list-style-type: none"> Finally, he told that he does not agree with the report of the company and raised strong objection against the expansion project of the company. He also pointed out that in the past three people already died due cargo vehicles of the company. 			
2.	Shri Pushkarsinh Rana, Village Dahej	<ul style="list-style-type: none"> He raised objection for selection of location for conducting Public Hearing and asked GPCB why Public Hearing is organized in Luvara village instead of Project site or Lakhigam itself and requested to appraise the site criteria for Public Hearing He asked that how many pages are used in EIA report and in comparison how many pages are used in Executive summary. He told that Executive Summary is of only 25 pages and that are very less as compared to pages of EIA report and it shows that company has hidden many 	<ul style="list-style-type: none"> Project Proponent informed that the decision rights for selection of location for the Public Hearing are with GPCB and normally PH location is decided based on the Notification of EC of MoEF. Representative of Project Proponent replied that EIA report is in three parts. EIA report included 268 pages, Annexures include 378 pages and appendix includes 264 pages making total report of 858 pages. Executive summary includes 25 pages. Executive Summary is prepared as per the guidelines under EIA Notification. The more pages are due to various annexures. 	<p>Regional Officer, GPCB clarified that w.r.t. selection of location for public hearing, the words used in the EIA notification are "at the project site or in close proximity" with this consideration as well as the availability of large ground area suitable for parking and accommodating as many people as possible, the Luvara village is selected as preferred location for public hearing as the same is 2 km away from the project site.</p> <p>Dist. Collector has informed to Project Proponent to communicate the changes</p>	<p>No further action required.</p> <p>No further action required.</p> <p>After obtaining CRZ recommendations from GCZMA vide their letter</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<p>information which is not acceptable to us. He also informed that this is a draft report only but the proponent never informing us whether clarifications are included in final EIA report or not?</p> <ul style="list-style-type: none"> • He asked the clarification whether project location is on land or in sea. Whether the land is allotted or not and who is owner of land? • What is meaning of MOEF? • As per Sr. No.6 table no.1.1 of Executive habitation in the villages or big town in expansion area. What is the location of Summary there is no expansion project 	<ul style="list-style-type: none"> • Project proponent informed that our port is functional and we have shown different components of the project in map. Two jetties in sea a trestle, rubble bund and back up area are already developed. Also, there is a railway yard for transportation of cargo. • The expansion proposed for carrying out reclamation is falling in intertidal area and therefore that land do not have any survey number. We have asked for permission and reclamation will be carried out after permission from MOEF. • The Project Proponent replied that MOEF stands for Ministry of Forest and Environment, Government of India • The project proponent replied that there is no habitation in the inter tidal land, proposed for reclamation 	<p>made in the draft EIA while finalizing the EIA to the concern representative.</p>	<p>14th March 2016, we have informed the concerned person about final EIA report for the proposed project and the source of availability on the MoEF website vide letter dated 17.03.2016 . No further action is required.</p> <p>No further action required</p> <p>No further action required.</p> <p>It is verified. No changes done.</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<ul style="list-style-type: none"> As per Sr. No.14 of table no.1.2 of Executive Summary, it is shown that Birla Copper is located at a distance of two km in North direction and Hindalco is located at a distance of 5.1 km in the North East direction. So two different locations are shown which is one location only He pointed out that in your report Sabarmati pond is shown and asked where it is located and from where this information you have gathered? He further aggressively clarified that people are living in these villages since many years and there is no Sabarmati Pond in existence in this area. Executive Summary includes widening of the Road and he asked which roads are to be widened. The proposed expansion is for the increase of capacity from 11.7 MMTP against the current actual handling which is less than 11.7 MMTP. So how pollution will be controlled for this expansion of capacity? 	<ul style="list-style-type: none"> The project proponent replied that verification will be done for Hindalco and Birla Copper and necessary changes will be made if, any. The Project Proponent has shown Map prepared and published by Survey of India in 2007 which shows Sabarmati pond. As per the instruction of Dist. Collector same is shown to Shri Pushkarsinh Rana The project proponent replied that proposal includes widening of the existing rubble bund which is inside the port. The project proponent replied that proposed expansion is for increasing the handling capacity from 11.7 MMTPA to 23 MMTPA and by doing this there will be reduction in pollution. We are having two jetties one in North direction and another in South direction. North Jetty is mechanized 	<p>Dist. Collector informed the villagers to make to the point representation and also drew their attention that if, they make proper representation then and then only their concern will reach to the appropriate authorities and we are here for the same purpose.</p>	<p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<ul style="list-style-type: none"> The road starting from port up to Reliance is full of coal dust. Cleaning is going on since last 5 days only. High level of pollution is created in this area. This matter should come in writing. Equipment for cleaning of dust on the road is not used regularly. It is requested to show the details of equipment used in cleaning. The same is also informed to GIDC and GPCB but complaints have remained on papers only. Is there any role of GIDC in this matter? To whom we should approach when GIDC is allotting land to industries. This is the only platform where we can make the representation. Will there be any increase of capacity of railway loading silo and related infrastructure? 	<p>whereas In South jetty transportation of coal up to storage yard is being carried out through trucks. The proposed expansion includes mechanization of south jetty and transportation of coal through conveyor. Therefore, minimal transportation will be done through tucks. Therefore, there will be overall reduction in pollution due to 75% reduction of truck movement.</p> <ul style="list-style-type: none"> The Project Proponent informed that equipment for cleaning of road is used since last 1.5 years. In addition the company has purchased second equipment and same is also functional. The Project Proponent replied that Belt conveyor capacity is adequate and silo will be developed at the same place 	Regarding the role of GIDC and GPCB, Dist. Collector clarified that Govt. is working for the people only.	<p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>No further</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<ul style="list-style-type: none"> No employment is given to land looser of railway yard. Company should give Assurance for employment to land losers. The responsible officers of GIDC should also be required to remain present during Public Hearing. I am unable to understand data shown in 3.1 w.r.t. ambient air quality therefore, I request to explain He pointed out that as per Executive 	<p>where one silo already exists. There is no requirement of new land for this purpose.</p> <ul style="list-style-type: none"> Shri. Amish Trivedi, Representative of the project proponent replied that GIDC has allotted land on ROU basis and land for S&S yard given on lease basis. The Land acquisition is done as per agreement between land owner and GIDC. Company representative Mr. P. N. Roy chowdhury replied that there is no employment policy for land looser of ROU land. Only GIDC can answer on this issue. The project proponent replied that in India, norms of ambient air quality are already decided and parameters like PM10, PM2.5, SO₂NO_x etc are measured to decide the quality of ambient air. These parameters are decided by CPCB. If, these parameters are below the standards then they are acceptable. The results found during the study are within the acceptable limit, during study. The project proponent replied that as 		<p>action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<p>Summary 3.7.1 there is no fisheries and requested to inform the reason behind it. Fisherman have no option left and they have become unemployed for which companies are only responsible and therefore companies should provide employment to fishermen also.</p> <ul style="list-style-type: none"> As per Executive summary it is mentioned that tyre washing of vehicles is done but same is not being carried out. Company is doing transportation of coal through rail and truck. Dahej – IPCL road used for transportation of coal is passing 	<p>per the data of Gujarat, fisheries contribution of Bharuch is only 1% which is very less. Kutch is contributing 17%. Fisheries are of two types (i) Fisheries in sea and (ii) Fisheries of Jinga and other types in inland water. Adani company is not responsible for reduction in fisheries which is also evident from the following data (Gujarat State) Presence of Adani Company is since 2011. In 2004 when Adani was not presence the fisheries production was 7489 MT, in 2005-06 it was 8743 MT, in 2009-10 it was 14810 MT and in 2011-12 It was 12914 MT.</p> <ul style="list-style-type: none"> Project proponent replied that in proposed expansion project, for air pollution control, dust suppression system will be installed during construction activities, regular water sprinkling will be carried out on roads, tyre washing facilities to be provided to avoid carry forward of dust through tyres. The tyre washing facility will become functional from 1st June, 2015. Project proponent replied that we welcome your suggestions. Necessary survey will be done and appropriate steps will be taken. 		<p>Tyre washing facility is in place and other measures will be taken during construction and operation phase.</p> <p>No change in the route is required.</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<p>through Vadia village which is residential area and hotels are also located on that road. Instead of this, it is requested to use bypass road passing near GACL for the same.</p> <ul style="list-style-type: none"> I wish good luck to company with hope to do better work for environment. 	<ul style="list-style-type: none"> Project proponent conveyed thanks for his encouraging words. 		No further action required.
3.	Shri Jayatibhai Ahir Village - Luvara	<ul style="list-style-type: none"> I am Sarpanch of Luvara village. All companies are conducting public hearing and concerns of villages are considered. Our representations during public hearing of ONGC on the issues of storm water management of village are also to be considered. ONGC has helped villages in providing disposal system of rain water from village. Adani company has also helped for renovation of houses of Adivasis. Fishing nets are provided to fishermen. Adani company has 	<ul style="list-style-type: none"> The project proponent has expressed thanks for appreciation. 		No further action required.

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		sanctioned to build 55 houses out of which 11 houses are already constructed. There is reduction in air pollution after installation of belt conveyor belt by Adani company. It is also true that regular cleaning of roads are carried out by company.			
4.	Dahyabhai Ghanabhai Patel Village – Jageshwar	<ul style="list-style-type: none"> I do agree representation made by Manhabhai and Pushkarsinh. Conveyor belt should not be allowed through Jageshwar village. I hereby submit by representation in writing. 	<ul style="list-style-type: none"> The project proponent replied that they have already replied earlier to similar question. 	Written representation made by Shri Dahya bhai is accepted.	No further action required.
5.	Mayurdhvajsinh Village - Dahej	<ul style="list-style-type: none"> Officers of Adani Company are fooling villagers. 			
6.	Shri Nareshbhai Village - Lakhigam	<ul style="list-style-type: none"> This is expansion proposal for phase III. I request all to stay in Lakhigam and decide about pollution control. There is high level of pollution exists. What is the reason for 46 deaths in last 4-6 months? As shown in the report, monitoring is done at which locations in the village. 	<ul style="list-style-type: none"> Project proponent replied that with respect to ambient air parameters same are as shown in the table no. 3.1 of Executive summary. Monitoring equipment were placed at the (1) residence of Shri Dilipbhai in Luvara village, (2) residence of Shri Chhotubhai in Jageshwar village, (3) Residence of Shri Ganpatgiri in Ambetha village, (4) P J Chheda High School in Dahej and (5) 		

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<ul style="list-style-type: none"> Pollution reaches to our houses and dust can be seen on the utensils for drinking water. Adani has manipulated with official record. There are issues for land losers and they do not get employment. We have to protest. All these expenses are also on the head on farmers. It is requested that company should provide employment to us on their own. Company should think about high pollution levels. 	<p>Primary School in Lakhigam.</p> <ul style="list-style-type: none"> This is false allegation and not acceptable to us. In existing project, out of 20 land losers 10 have been already given employment and for remaining 10 we have requested the families to give their nomination which we have not received from their side. The project proponent replied that they have already replied earlier to similar question. 		<p>No further action required.</p> <p>At present no action is pending</p> <p>No further action required.</p>
7	Shri Kalidas Rayjibhai Patel Sarpanch, Village - Jageshwar	<ul style="list-style-type: none"> In this region people are speaking wrong things. I would like to inform Dist. collector that poor people are exploited. Since 35 years people of Navinagari were not able to sleep peacefully and there was no repairing work was done for their houses but Adani foundation helped in renovation of 120 houses and also supported for food arrangement to masons while constructing houses. Nobody came for help from Taluka and District level. The plaster was falling in primary school classes, which was repaired by Adani Company. Camera system is also installed in High School 	<ul style="list-style-type: none"> The project proponent has expressed thanks for appreciation. The project proponent has expressed thanks for appreciation. 		<p>No further action required.</p> <p>No further action required.</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<ul style="list-style-type: none"> Training programs for beauty parlor were organized by Adani. So in general we are getting good support from the company. Pollution is of many types and local people are aware about that. It is requested to Dist. Collector to pay attention for pressured being created on local people by sarpanch for the work which is not done by them. Adani has provided fishing nets to fishermen. Adivasi's are cutting trees for their survival needs so they should be given some work. 	<ul style="list-style-type: none"> The project proponent has expressed thanks for appreciation. 		No further action required.
8	Shri Bhagwanbhai Gohil, Village Paniyadara	<ul style="list-style-type: none"> At which locations EIA reports should be made available EIA report is published on GPCB website is in English. Why it is not published in Gujarati. It should be also given in villages. What will happen If, concentration of PM10 in ambient air will increase from its limit of 100 mg/cum? Who will be responsible if, health of people will deteriorate. How much pollution will increase if, handling capacity increase from 11.7 MMTA to 23 MMTA. 	<ul style="list-style-type: none"> The project proponent replied that as per guidelines EIA report is prepared in English and executive summary is prepared in English as well as in Gujarati. The project proponent replied that they have already replied earlier to similar question. The project proponent replied that they have already replied earlier to similar question. 	<p>Regional officer of GPCB replied that EIA report is made available at following offices</p> <ol style="list-style-type: none"> District collector office, Bharuch District Development office, Bharuch District Industries Centre, Bharuch Taluka Development office, Tal. VagraDist.Bharuch Chief Conservator of Forest, Bhopal Regional officer, GPCB, Bharuch 	<p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>APDPPL is committed to give priority to</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<ul style="list-style-type: none"> It is shown in the presentation that employment will be given to 1000-1300 people. We request that 85% of employment should be given to locals. As per page No.53 of EIA report it is mentioned that there is no tourism place in this area. Whereas, Lakhabava temple is already exist than why it is not shown in report? It is requested to announce that problem of coal dust in Lakhabava temple should be controlled As per Sr.10 page No.53 of EIA report, it is mentioned that there are 50 fishermen 	<ul style="list-style-type: none"> The project proponent replied that any project includes various phases like construction, transportation of goods etc. during construction phase employment will be given to 1000-1300 people. As per data of earlier two phase of development as of date 2/3 people are employed for transportation of goods are from Gujarat. Suitable action will be initiated on receipt of order for 85% employment of locals. The project proponent replied that EIA report included tourism places as per records of Gujarat Govt. Lakhabava temple is not a declared tourism place as per published list of places hence not included. However, we respect the religious importance of the place. The project proponent replied that we are having sympathy with your feelings. We have already taken maximum measures for Lakhabava temple as well as carried plantations of trees and cleaning activities in that area. We accept your suggestion. The project proponent replied that we have collected these data from fisheries department. 		<p>locals.</p> <p>No further action required.</p> <p>All the suggested measures are already taken and frequent cleaning will be done as and when needed. No further action required.</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		are in Jageshwar village but fishermen are exist in all villages. Govt. records are false and it is their negligence which is misused. Companies are getting information five days in advance regarding visit of GPCB.			
9	Shri Ramanbhai Patel, Village: Luvara	<ul style="list-style-type: none"> Whose development is this? Only companies are growing. It is told to youth that they are locals. Even educated people are not getting employment. 50 students of Luvara village has completed course of ITI under GOLS in 2010-11 organized by GIDC but this certificate is not accepted to companies in Dahej region. It is requested to close this GOLS ITI program because it is not recognized. 	<ul style="list-style-type: none"> The project proponent replied that they have already replied earlier to similar question. 	Dist. Collector noted the matter and informed that he will take up the matter at right level.	No action required from company.
10	Shri Dipakbhai Patel Village: Jageshwar	<ul style="list-style-type: none"> I am working in a company where candidates with ITI course completed thru GIDC are not eligible for Apprenticeship. Youth of village is not having employment. 		Dist. Collector noted the matter and informed that he will take up the matter at right level.	No action required from company.
11	Shri Niteshbhai Patel Village: Luvara	<ul style="list-style-type: none"> There are issues related to employment to land losers in this area and representation was made to previous collector madam but till date we have not received proper response. 		Dist. Collector has informed that he has come across this issue but as this is not related to this public hearing and It will be taken separately. Even instructions have also come from CMO in this regard. Regarding bogus ITI necessary actions will be taken from Dist. Collectrate Office.	No action required from company.

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
12	Shri Sanjaybhai Gohil Village: Lakhigam	<ul style="list-style-type: none"> Officers of various companies provides medical van if, they have expansion project (i.e. when such public hearing to be faced) but if, anybody died near their gate they do not provide any ambulance. Companies are working like Britishers. There are incidences of two deaths on account of brain haemorrhage. Who will be responsible for ill health of children of villages 			No action required from company.
13	Shri Yogeshbhai Patel Village: Lakhigam	<ul style="list-style-type: none"> Can an arrangement for measurement of noise pollution in presence of village people be made? Conveyor belt is located near school which may impact due to high level of noise. 	<ul style="list-style-type: none"> Standards are defined for Noise pollution and measurements are also within the limits, GPCB may also do necessary inquiry. 	Collector has informed that GPCB will arrange for measurement of noise in presence of village people	No action required from company.
14	Shri Shankarbhai Rathod Village: Lakhigam NaviNagri	<ul style="list-style-type: none"> Adani foundation has provided support for raising the level of our houses and also constructed anganwadi Due to construction of jetty approach rock bund waters by Adani Company and Birla there is difference observed in currents of Sea which is impacting fishing activities. What will be the impact on fish due to proposed project. 	<ul style="list-style-type: none"> The project proponent has expressed thanks for appreciation. There will not be any impact on fish due to this proposed expansion 		<p>No further action required</p> <p>No further action required</p>
15	Shri Kishorbhai Rana Village: Dahej	<ul style="list-style-type: none"> Fishermen of this area are uneducated. It does not make any difference to them that who is running central government. They are in need of the survival of livelihood. I have uploaded the video on you tube for pollution created by Adani Company which you can see. Within the premises of Birla Copper around 100000 	<ul style="list-style-type: none"> Project proponent replied that your representation is right but Ports are necessary for the development of country. We have not created any hindrances or restricted access for fishing. They can continue the fishing activities. 		There is no commercial fishing in the area. Free access to the "Pagadiya" fishermen is available. There

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<p>Neem tries are planted where foot prints of coal dust is being observed while going to temple.</p> <ul style="list-style-type: none"> GIDC maps are getting revised as per the needs of the companies and village people are getting answer that again maps cannot be revised. It is requested to GPCB to provide contact numbers of the concern officer who can remain present at Dahej and may inspect the site on request through phone call while accident occur. 			<p>is no impact on fishermen livelihood due to project activity.</p> <p>No action required from company.</p>
16	Shri Pradeepbhai Thaker Member of Noise Pollution Environment Committee	<ul style="list-style-type: none"> I do agree the points raised by Shri Manhar Gohil and Shri Pushkar Rana. Company is not able to control the pollution in the present handling capacity than how permission can be given for increase in capacity, Company should be instructed for the improvement in six month and thereafter public hearing should be organized Company is carrying out the transportation of coal by over loading of the rail rack. There are no established rules and regulations for this. Dusting problem in Bharuch district is due to transportation of railway rack. If GPCB and MoEF ask than company says that this is the problem of railway. Medical check-up should be conducted in this area to know how many children are malnourished as well as how much 	<ul style="list-style-type: none"> The project proponent replied that issue is pertaining to Railway authority and the importer client. You may make representation before railway authority. 		No further action required

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<p>impact is occurring to their health.</p> <ul style="list-style-type: none"> Previously during the time of flood even after the request from Collector to provide support for "Chuno" no company has given any help so how their CSR activities can be considered. How much plantation is done? Source of Water and Power is not shown. Nobody had taken care for sprinkling of water during the incident of major fire occurred before two years. As per our suggestions, problems of ambient air quality have been reduced in one of the company in Ankleshwar. We are with the project but being Gujarati businessman you should take care of Gujarat The path for Narmada Parikrama is one km away from here and many people are coming from different regions. No officers from Dahej Industries Association is present in today's public hearing File of project for producing pure water from sea water is lying on table of officer of GIDC since last two years for which even grant is approved by Government 			

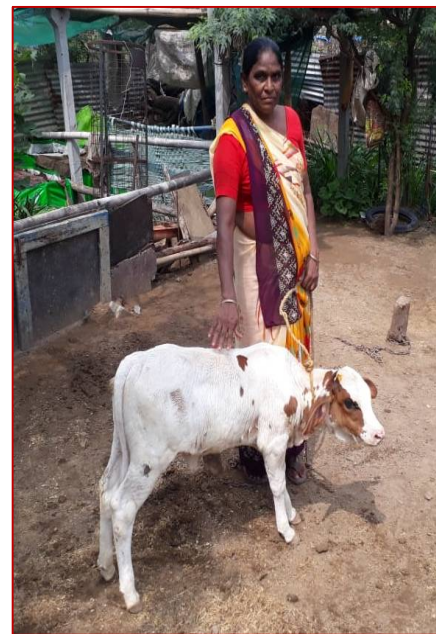
Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
		<ul style="list-style-type: none"> • Since, the time of IPCL request for the development of Hospital is made but till date it is on the paper • No additional quantity of drinking water is given to village people by GIDC but at the same time industries are provided more water • There is opposing of administration done by GIDC. The file has been put up to carry out plantation at local level but till date there is no clearance in this regard 	<ul style="list-style-type: none"> • The project proponent requested the representative to mention the village to which he belongs. 	Regional Officer of GPCB informed that Mr. Pradip Thaker is from Ankleshwar area but without clarifying his location in beginning he started representation.	No actions required from company.
17	Shri Dimpalben Varmora Moverix Culture and Codes foundation Village: Luvara, Dahej, Lakhigam	<ul style="list-style-type: none"> • We are running sports projects with support of Adani foundation. Using this sports platform we have done many good activities and some of the children have been taken to national level for sports competition. People have also expected same level of support from Adani Group. 	<ul style="list-style-type: none"> • The project proponent expressed thanks for her appreciation 		Adani foundation is continuing CSR activities in the region. Details are being regularly submitted to MoEF with compliance report and also

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
					are part of the presentation given to EAC during the meeting.
18	Shri Rakesh Gohil Village: Lahigam	<ul style="list-style-type: none"> Who has prepared the EIA report and who has certified it No physical survey is carried out and during visit permission from Sarpanch should be taken How the mistake like mentioning the name of companies Hindalco and Birla Copper? I am not aware about their visit for physical survey With the issue of passing of Conveyor belt and w.r.t. the issue of land loser the company representative Mr. Trivedi always replies that we are making communication with GIDC but do not provide clarity. 	<ul style="list-style-type: none"> The project proponent replied that EIA report is prepared by M S Cholamandalam, Chennai which is QCI and NABET accredited agency. They have valid certificates. Base line survey, marine quality, government records and permissions as well as environment management plan are studied, reviewed and accordingly report is prepared There is adequate information covered in the report and survey is done as per the required procedure. The project proponent replied that they have already replied earlier to similar question. The project proponent replied that they have already replied earlier to similar question. 	Collector replied that for the issue of 200 land losers we will meet separately to resolve the issue.	No further action required

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30/09/2020
19	Shri Rekhaben Village: Jageshwar	<ul style="list-style-type: none"> We are thankful to Adani Company for providing us the training on beauty parlour. 	<ul style="list-style-type: none"> The project proponent expressed thanks for appreciation 		No further action required

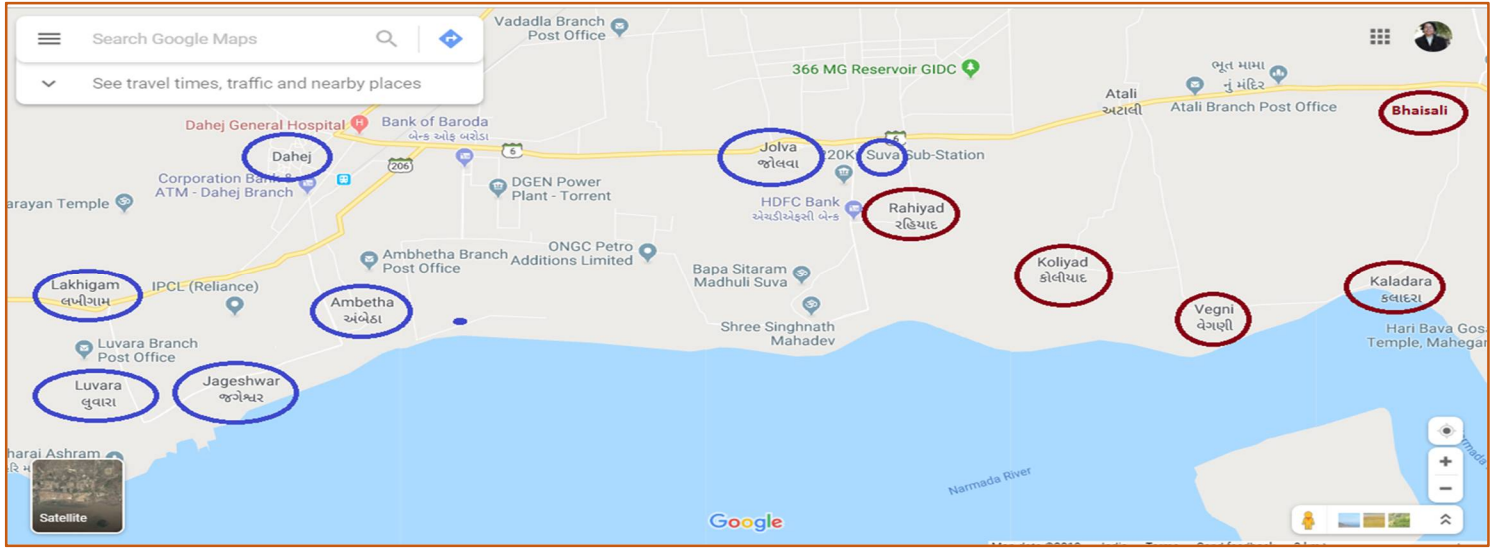
Corporate Social Responsibility Report

(FOR THE PERIOD: APRIL, 2020 TO SEPTEMBER, 2020)



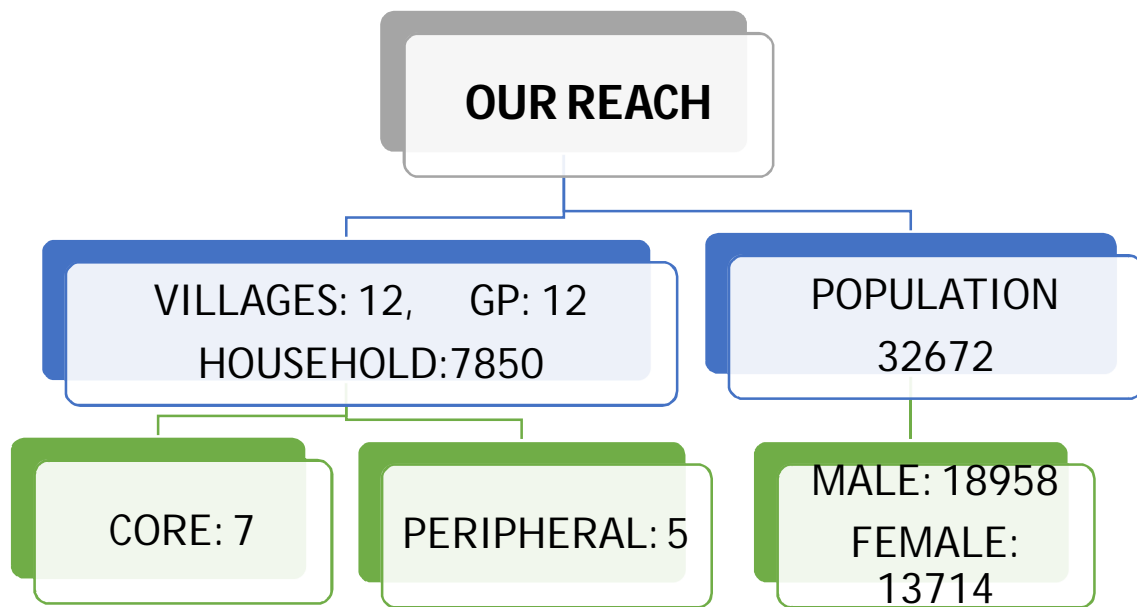
ADANI FOUNDATION, DAHEJ

OUR REACH



CORE VILLAGES					
S.N	Village	Household	Population	Male	Female
1	Lakhigam	1217	4938	3144	1794
2	Luvara	385	1663	873	790
3	Suva	413	1920	973	947
4	Jageshwar	383	1571	818	753
5	Dahej	3426	13495	8345	5150
6	Jolwa	338	1442	807	635
7	Ambheta	347	1552	807	745
	Total	6509	26581	15767	10814

PERIPHERAL VILLAGES					
S.N	Village	Household	Population	Male	Female
1	Rahiyad	355	1694	862	832
2	Kaladara	393	1663	934	729
3	Vengani	202	908	462	446
4	Koliyad	152	676	321	355
5	Atali	239	1150	612	538
	Total	1341	6091	3191	2900



Thematic Areas

1. Education

2. Community Health

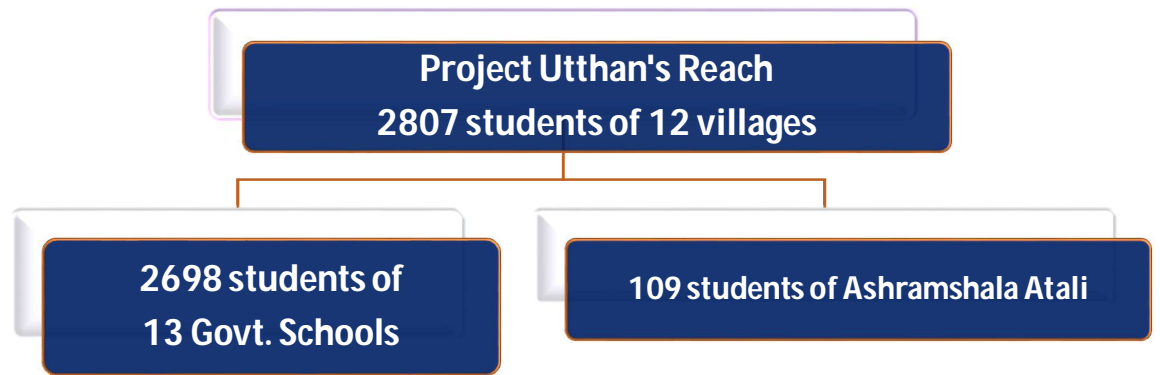
3. Sustainable Livelihood Development

4. Community Infrastructure Development



EDUCATION

PROJECT UTTHAN



An MOU signed with District Education, Bharuch for implementation of Project Utthan in 13 Govt. Schools of project villages and the other MOU signed with Ashramshala Atali. Total 2807 students of 12 villages would get benefitted with this education initiative.



MOU with District Education Department



MOU with Ashramshala Atali

Project Utthan's School Details

S. No	Village	Name of the School	Standard	No. of Students
1	Lakhigam	Primary School	Std: 1 to 8	476
2	Luvara	Primary School	Std: 1 to 8	232
3	Jageshwar	Primary School	Std: 1 to 8	115
4	Dahej	Primary School Nava Vadia	Std: 1 to 5	37
5		Primary School Kanyashala	Std: 1 to 8	364
6		Primary School Kumarshala	Std: 1 to 8	390
7	Ambheta	Primary School	Std: 1 to 8	155
8	Jolva	Primary School	Std: 1 to 8	134
9	Suva	Primary School	Std: 1 to 8	217
10	Vengni	Primary School	Std: 1 to 8	112
11	Rahiyad	Primary School	Std: 1 to 8	222
12	Koliyad	Primary School	Std: 1 to 7	71
13	Kaladra	Primary School	Std: 1 to 8	173
14	Ashramshala Atali	Primary School	Std: 1 to 8	109
Total Strength:				2807



COMMUNITY HEALTH

Activities	Highlights	Up to September 2020
Awareness Drive	On 16 th July, 2020 AF team, Multi-Purpose Health Worker Abhesang Bhal and ASHA Vandanaben conducted door to door COVID – 19 awareness program at Rathod Faliya of Ambheta village. People were asked to wear masks, handwashing for 20 seconds and keep social distancing. IEC materials were also distributed among the people.	13 beneficiaries
Meeting with Govt. officials	A meeting with Taluka Health Officer, Vagra; Medical Officer, Dahej Primary Health Centre was held for AF's new initiative support in screening of hypertension & diabetic patients turn at Dahej PHC.	Equipment installation in progress



Project SuPoshan

S.N	Month	Village	Event	Participation
1	May	Dahej	Menstrual hygiene	Adolescent girls & RPA women Total: 27
2	May	Jolva	Health & hygiene	RPA Women Total-15
3	May	Jolva	No Tobacco Day celebration	RPA women Total-12
8	August	Lakhigam	Breast feeding week	RPA women Total-4
9	August	Lakhigam & Luvara	Breast feeding week	Pregnant women & Lactating Mothers Total-25
10	August	Lakhigam, Suva & Jolva	National De-worming Day	Children -143, Adolescent Girls- 40 Total-183
11	September	Lakhigam, Luvara & Jolva	National Nutrition Month	Adolescent girls - 49, RPA-women & Pregnant women & Lactating Mothers – 43 TOTAL: 92
12	September		Webinar with support of Krishi Vigyan Kendra, Chasvad	Total: 17



Sanginis: 6
Children
(0 -5 yrs):
1001
Adolescents
: 996
Women:
2676





SUSTAINABLE LIVELIHOOD DEVELOPMENT

PASHUDHAN PROGRAM: This program is implemented in 12 villages with support of BAIF since 2017. 1st phase is completed on 31st March 2020. For 2nd phase an MOU is signed with BAIF for a period of 3 years.

Cattle Survey

Cattle survey is going on in project villages. Status of the survey is given table

		Year 2017				Year 2020			
S.N	Village name	Animal Holding Family	Cow	Buffalo	Total	Animal Holding Family	Cow	Buffalo	Total
1	Lakhigam	37	25	53	78	36	28	80	108
2	Luvara	41	40	81	121	54	75	319	394
3	Jageshwar	27	34	38	72	32	6	79	85
4	Dahej	31	41	258	299	25	82	199	281
5	Koliyad	29	5	113	118	23	40	102	142
	Total	165	145	543	688	170	231	779	1010

Animal vaccination

Animal vaccination is going on with support of Govt.'s animal husbandry department. Till July 2020, 600 animals covered so far.

S.N	Village Name	Beneficiaries	Vaccination Status Cow	Vaccination Status Buffalo	Total Vaccination
1	Lakhigam	22	46	105	151
2	Luvara	54	75	319	394
3	Jageshwar	4	8	47	55
	Total	80	129	471	600

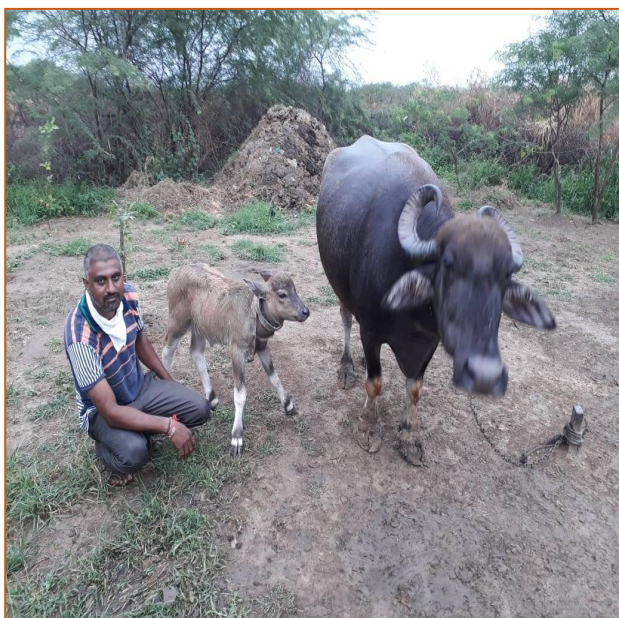


AI & PD Details April - August 2020

S.N		AI			Pregnancy Examination			Pregnant			Calving		
1	Village	Cow	Buffalo	Total	Cow	Buffalo	Total	Cow	Buffalo	Total	Cow	Buffalo	Total
2	Lakhigam	2	4	6	8	25	33	7	16	23	1	5	6
3	Luvara	13	8	21	5	16	21	2	5	7	7	4	11
4	Jageshwar	2	4	6	0	10	10	0	6	6	0	0	0
5	Ambheta	0	0	0	0	1	1	0	1	1	0	0	0
6	Dahej	13	8	21	19	34	53	16	22	38	8	9	17
7	Jolva	0	0	0	0	0	0	0	0	0	0	0	0
8	Suva	0	0	0	0	0	0	0	0	0	0	1	1
9	Rahiyad	0	0	0	0	4	4	0	4	4	0	0	0
10	Koliyad	5	1	6	5	17	22	4	13	17	4	8	12
11	Atali	4	0	4	0	1	1	0	1	1	5	0	5
12	Vengni	34	0	34	45	5	50	16	4	20	20	1	21
13	Kaladra	3	7	10	2	6	8	2	5	7	17	8	25
	Total	76	32	108	84	119	203	47	77	124	62	36	98

SEX SORTED SEMEN DETAILS APRIL – AUGUST 2020

S.N	Month	Target	Cow AI	Buffalo AI	Total AI	Cow Exam	Buffalo Exam	Total Exam	Cow PD	Buffalo PD	Total PD	No. of Beneficiaries
1	April	0	0	0	0	0	0	0	0	0	0	0
2	May	04	2	2	4	1	4	5	2	0	2	4
3	June	04	5	0	5	2	6	8	0	1	1	5
4	July	04	2	0	2	2	3	5	4	1	5	2
5	August	04	1	0	1	2	2	4	2	0	2	1
Total		16	10	02	12	07	15	22	08	02	10	12



Ahir Dineshbhai Bhavanbhai
Village: Dahej
Female calf: Murrah



Yogendrasinh Anopsinh Chauhan
Village: Atali
Female calf: Gir

INFERTILITY CAMP & GENERAL HEALTH CAMP REPORT

Infertility Camp and General Health Camp on 7th September 2020 in Luvara village. In this camp 36 animals of 24 beneficiaries were treated. Camps were held at 2 locations of village: Ahir Phalia and near Mahadev Mandir. Animals were treated by Dr. Amol Vagh of BAIF Institute Sustainable Livelihood Developments.

TREATMENT SUMMARY

S.N	Animal	Anoestrus	Repeat Breeding syndrome	Lameness	Mastitis	Diarrhoea	Total
1	Cow	1	2	2	1	2	8
2	Buffalo	3	5	8	4	6	26
3	Goat	0	0	02	0	0	2
	Total	4	7	12	5	8	36

An interactive session was held with beneficiaries and following points were observed.

- During rainy season grass is the main feed of animals that affects digestive
- system of animals and causes diarrhoea.
- Due to poor post calved management Mastitis happens in new calved buffalos

- In cases of Goat there is problem of Lameness which happens due to poor bed arrangement at backyard side.
- Problem of abortion at advance stage of pregnancy happens due to fight in herd during grazing so advised to keep such animals at backyard only
- Overall Health condition of animals presented for treatment was good.
- Heifers having avg. age of 6 to 8 years are having problem of undeveloped uterine organs which is due to deficiency of Trace minerals.
- The buffalos have problem of anestrus. This might be two factors: lack of knowledge on minerals feed and heat detection in buffalos.
- Cattle dwellers were educated about silent heat and heat sign particularly in buffalos
- Due to unavailability of veterinary aids animals are not able to get proper treatment at initial stage of disease.



Early Pregnancy Diagnostic (EPD) kit was introduced in the session by Mr. Shambhu Bhai Desai, District Coordinator – BAIF. He explained about EPD kit in simple way. Beneficiaries' said 'it is good in taking care of pregnant animals.'

Mr. Raisunghai Rathod, Sarpanch, Luvara Gram Panchayat was also present in the camp. He highly appreciated Adani Foundation's Pashudhan Program.



GREEN FODDER CULTIVATION GETTING MOMENTUM

Green fodder availability in project villages is a big challenge. Most of the beneficiaries purchase green fodder from Bharuch. To get acquainted with fodder cultivation farmers went on an exposure visit to Krishi Vigyan Kendra, Chasvad and BAIF's Adivasi Taleem Kendra, Lachhakadi, Netrang. Fodder stumps were distributed among the beneficiaries but very few of them cultivated in their land. AF team's continuous interaction and monitoring brought a hope among them. 3 beneficiaries – Jitubhai, Hamirsinh and Vinod Madhavsinh shared their experiences with AF team. They said they cultivated fodder stumps in available land and now they are getting good yield. Their fodder expenses are plunging.

Green fodder is an alternate source of income for beneficiaries. 2 beneficiaries Jitubhai and Rakshaben is earning continuously through green fodder. They cultivated green fodder in available land with them. Their efforts motivate others for plantation of fodder stump. Hamirsinh of Luvara village also get inspired and he earned an income of Rs.12000/- first time from green fodder.

Savings on green fodder is given in below table. **Total savings: Rs.85800/**

S.N	Name	Village	Land in sq, m	Quantity (ton)	Amount (in Rs.)
1	Jitubhai Rajibhai Gohil	Lakhigam	101.2	2	22800
2	Rakshaben V.Patel	Jageshwar	505.9	2	40200
3	Hamirsinh K.Parmar	Luvara	303.5	0.8	16800
4	Gema Badharbhai	Lakhigam	101.2	1	6000
		Total		5.8	85800



CASE STUDY

Pashudhan Program gave us a new life in Lockdown

Cattleman: Sudhirbhai Patel

Age: 47 years

Family members: 5 (husband, wife, 1 daughter, 1 son & mother)

Resident: Village – Luvara, Taluka – Vagra, District: Bharuch

Profession: contractual worker with Shreeji Enterprises Private Limited, SEZ, Dahej

Livestock owned: 2 cows, 5 buffalos & 9 calves

Sudhirbhai is a progressive cattleman of Luvara. Although he is a contractual worker in a nearby company Shreeji Enterprises Private Limited but animal care is in their blood. **As Sudhirbhai says 'before Adani Foundation's project we moved distant places for animals' treatment. We lost many animals due to lack of services on time. Now we are getting Taleem & Services at our doorsteps. Our Pashudhan graph is in upward direction and so the income graph.**

Adani Foundation has given one chaff cutter machine on group basis. Sudhirbhai is using this machine happily. Now use of chaff cutter has reduced his fodder expenses by 30 per cent and chopped forage increase the utilization and digestion of animals.

Sudhirbhai shared his experiences of lock down due to COVID-19. He said "In normal days I earn Rs. 10,500/ per month from my job but in lock down it became zero. Milk selling was the only source of our bread and butter. I am very much thankful to Adani Foundation for this Animal Husbandry project. It is an alternate source of our livelihood. Now I understand the importance of cow dung too. I could never have thought that cow dung can enhance our income. My family members engage themselves not only in vermi compost production but its use in our small kitchen garden also. This project keeps me so much involved that I hardly get time to mingle with those people who have the habit of alcohol. In short, I can say Animal Husbandry Project keeps you informed, healthy and wealthy."

Sudhirbhai's family is enjoying a good socio-economic status in the village. He has his own house, motorcycle and his two children are studying in Govt. schools. His daughter is in 9th Standard and son in 7th standard.



SELF HELP GROUPS

SHIV SHAKTI SAKHI MANDAL, JAGESHWAR

Activities:

- **Mask stitching:** Shiv Sakti Sakhi Mandal earned Rs. **1,39,580/-** from masks stitching. Sakhi Mandal got an order of 20000 masks from LNG Petronet Ltd, Dahej. SHG members completed this assignment by following the guidelines given by LNG Petronet Ltd – from clothe cutting to packaging. These masks were distributed among the villagers. Mask stitching is now in their regular practice. They sell masks at local level.

S.N	Particular	Unit	Required Qty.	Rate (in Rs.)	Price (in Rs.)	Total (in Rs.)
1	Cloth	Meter	667	25	16675	
2	Thread	Reel	85	3	255	
3	Elastic	Meter	1250	1.5	1875	
4	Logo print	No's	5000	2.5	12500	
5	Wash	No's	5000	0.1	500	
6	Packaging	No's	5000	0.1	500	
7	Freight charge	No's	5000	1	5000	
8	Electricity Charge	No	5000	1	5000	
9	Machine maintenance				50	
10	Labour Charges	No	5000	4	20000	80,000
11	Other(Sample)				250	
A	Mask Cost Price	No	5000		62605	250,420
B	Selling price	No	5000		77500	310,000
A-B	Net Profit				14895	59,580
	SHG earning					139,580

Skill Development Training

Adani Foundation has organized a skill development training program for Shiv Shakti Shakti Mandal (SHG), Jageshwar. This skill upgradation training is of 1 month. Objective of this training is to prepare SHG as per the market needs in terms of quality, products delivery on time and record keeping.

Shiv Shakti Sakhi Mandal is formed in 2018 with support of Adani Foundation. They have chosen bag making as their income generation activity. Before this training SHG members were engaged mainly in bag making particularly school bags from synthetic materials and daily utility bags from clothes and jute. Enthusiastic members of the SHG searched different designs of bags on internet and tried to copy the products themselves but they were not satisfied with the finished products. They self-realized a different set of skill is required for quality products. Then SHG members requested Adani Foundation to organize an advanced level training for them. On their request, Adani Foundation chosen Deepak Bhai of Bharuch as the resource person. He himself runs a bag making unit named URVI BAG in Bharuch.

Deepak Bhai started training from the basics: identification of bag's different parts e.g. buckles, locks, runners, hooks & identification of materials - denim, cord, matte, water proof synthetic materials. Till date SHG women have stitched school bags, office bags, laptop bags, travel bags, ladies' purses, pouches and different types of masks also. They are also learning machine maintenance and repair. Simultaneously, women have started selling bags in their village.



Mahadev Mahila Sakhi Mandal, Luvara: This SHG formed in February 2020. Since their inception all 11 members unanimously chosen Vermi Compost production as their income generation activity. Before production all members underwent capacity building training by BAIF professionals at field level. They also visited BAIF's Lachhakadi centre of Netrang District for SHGs basic training. District Livelihood Mission (DLM), Bhaurch also organized a training on Accounting & book keeping for this SHG at Luvara. Mission provided them all essential stationaries for maintaining the records. DLM highly appreciated the efforts of Sakhi Mandal and announced that this SHG is the only SHG of Bharuch District who has chosen vermi compost production as their income generation activity. Till September 2020, members sold 4.052 ton vermi compost and earned Rs.24314.

Adani Foundation is providing all kinds of support to Sakhi Mandal – capacity building training, vermi beds and hand holding support in selling of vermi compost. At present they are selling vermi compost to ONGC Petro Additions Limited, Dahej.

Sadhdada Mahila Sakhi Mandal, Lakhigam: This SHG is also formed in February 2020. Till date they are doing monthly meetings and monthly savings. 4 members of this SHG underwent training of District Livelihood Mission, Bharuch.



WORLD ENVIRONMENT DAY

World Environment Day is celebrated on 5th June 2020 to raise global awareness and to take positive environmental action to protect nature and the planet Earth. 110 saplings planted in Adani Dahej Port. Details of saplings: Guava: 30, Been: 50 and Yellow Gulmohar: 30

Horticulture Department has taken plantation as a mission in barren areas of the port. This year one part is chosen. At community level Sanginis at Dahej, Suva and Jolva planted 15 saplings of aloe vera, tulsi and mango



World Yoga Day

celebrated on 21st June 2020 at community level in 2 project villages Lakhigam and Jageshwar whereas Sanginis of Suva and Jolva participated through virtual platform. At Lakhigam 25 women, adolescents and children did YOGASAN. Members of Shiv Shakti Sakhi Mandal, Jageshwar observed Yoga Day in their workshop.





COMMUNITY INFRASTRUCTURE DEVELOPMENT

Under Community Infrastructure Development some works assigned in FY 2019-20 were completed in FY 2020-21



Shed construction at Navinagri, Lakhigam



Pond front development, Dahej



Community Hall, Ambheta

Direct Benefit	Direct Beneficiaries	Indirect Beneficiaries	Access Beneficiaries
Ambheta Community Hall: People of all religions of the village & Narmada Parikramavasi would use this hall	1330	12000	
Navinagri Shed Construction: people of Navinagri would utilize this shed for socio-religious purpose and during flood like situation.	1000		
Increase in storage capacity of pond	1000	13495	

Support in Fight Against COVID – 19

S.N	Activities	Distribution	
1.	No. of ration kits distributed	1575 kits	Lakhigam: 350 District Administration: 400 Fisherman Community, Bharuch: 100 MLA, Vagra: 500 Dahej: 100, Suva: 50, Ambheta: 50, Taluka Panchayat: 25
2.	Grocery support	In Jolva village	Rice: 375 kg, Pulse: 95 kg and Oil: 30 litres
3.	No. of masks distributed	3200	Suva: 2000, Lakhigam: 400, Jageshwar: 100, District Administration: 400, Marine Police, Dahej: 300
4.	No. of soaps distributed	1500	Distributed in Suva village
5.	Door to door Awareness campaigns with Health Department	43	Jolva: 15, Suva: 15, Ambheta: 13,
6.	Immunity booster distribution with Health Department	440	Jolva: 405, Suva: 35





Environment Monitoring Report for the period from April-2020 to September-2020

3A. AMBIENT AIR QUALITY MONITORING: -

Table No.: 1.1 - Ambient Air Quality Monitoring Results At Near Marine Building

Sr. No.	Date of Sampling	Location-1: Near Marine Building											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	19/05/2020	86.33	45.32	ND*	ND*	ND*	ND*	0.66	ND*	30.28	16.60	29.49	23.45
2	22/05/2020	92.31	52.40	0.72	ND*	2.46	10.64	0.71	ND*	34.56	22.50	34.52	25.38
3	26/05/2020	79.65	40.68	ND*	ND*	ND*	ND*	0.60	ND*	18.60	18.26	38.42	21.44
4	29/05/2020	88.49	48.38	0.66	ND*	2.64	10.48	0.55	ND*	26.47	24.52	31.58	28.23
5	02/06/2020	92.65	51.38	ND*	ND*	ND*	ND*	0.71	ND*	37.35	17.40	35.64	21.28
6	05/06/2020	79.67	30.51	ND*	ND*	ND*	ND*	0.85	ND*	30.26	22.48	42.42	23.53
7	09/06/2020	91.29	48.34	0.64	ND*	2.56	10.60	0.68	ND*	40.26	25.69	37.51	25.47
8	12/06/2020	74.33	31.28	ND*	ND*	ND*	ND*	0.77	ND*	27.33	18.69	29.44	19.79
9	16/06/2020	93.49	53.44	0.86	ND*	2.42	10.46	0.98	ND*	46.25	23.40	39.58	28.24
10	19/06/2020	82.66	37.20	ND*	ND*	ND*	ND*	0.52	ND*	23.41	20.32	36.70	22.35
11	23/06/2020	90.37	49.32	ND*	ND*	ND*	ND*	0.42	ND*	32.32	16.80	40.26	26.20
12	26/06/2020	87.60	46.22	ND*	ND*	ND*	ND*	0.74	ND*	35.39	21.27	34.33	24.38
13	30/06/2020	72.77	29.44	ND*	ND*	ND*	ND*	0.39	ND*	39.48	15.63	30.48	27.56
14	03/07/2020	86.25	47.23	ND*	ND*	ND*	ND*	0.57	ND*	24.29	23.47	29.39	18.64
15	07/07/2020	64.39	24.30	ND*	ND*	ND*	ND*	0.54	ND*	43.67	16.55	35.37	28.37
16	10/07/2020	75.31	38.45	ND*	ND*	ND*	ND*	0.89	ND*	37.57	19.45	38.47	23.37
17	14/07/2020	94.28	53.44	0.78	ND*	2.40	10.84	0.98	ND*	40.25	25.22	42.67	14.37
18	17/07/2020	76.33	48.20	ND*	ND*	ND*	ND*	0.71	ND*	29.64	14.16	34.57	25.66
19	21/07/2020	87.29	39.68	ND*	ND*	ND*	10.34	0.87	ND*	36.37	22.47	37.31	21.51
20	24/07/2020	68.28	31.22	ND*	ND*	ND*	ND*	0.68	ND*	26.59	17.65	30.69	27.84
21	28/07/2020	90.26	49.26	0.84	ND*	2.64	ND*	0.38	ND*	42.31	20.07	46.19	22.59
22	31/07/2020	79.41	40.23	ND*	ND*	ND*	ND*	0.73	ND*	35.38	18.76	26.49	24.36
23	04/08/2020	88.31	46.29	0.83	ND*	2.42	10.44	0.92	ND*	41.22	12.52	34.32	25.27



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24	07/08/2020	75.69	43.54	ND*	ND*	ND*	ND*	0.66	ND*	24.27	14.52	29.31	22.31
25	11/08/2020	60.39	34.25	ND*	ND*	ND*	ND*	0.50	ND*	28.39	21.24	22.45	28.19
26	14/08/2020	78.35	37.58	ND*	ND*	ND*	ND*	0.81	ND*	31.53	17.88	32.85	24.32
27	18/08/2020	69.27	32.66	ND*	ND*	ND*	ND*	0.87	ND*	34.54	22.44	36.40	21.34
28	21/08/2020	89.34	47.23	0.68	ND*	2.56	10.34	0.73	ND*	38.41	24.52	40.29	26.27
29	25/08/2020	67.52	30.42	ND*	ND*	ND*	ND*	0.57	ND*	43.52	19.31	33.59	15.66
30	28/08/2020	85.62	42.33	ND*	ND*	ND*	ND*	0.82	ND*	36.28	16.61	37.38	27.25
31	01/09/2020	81.25	40.26	ND*	ND*	ND*	ND*	0.86	ND*	26.39	16.31	27.58	19.86
32	04/09/2020	94.39	55.29	0.62	ND*	2.46	ND*	0.73	ND*	34.34	23.23	32.45	27.56
33	08/09/2020	89.22	44.51	ND*	ND*	ND*	ND*	0.79	ND*	39.21	20.26	40.25	24.84
34	11/09/2020	76.59	41.61	ND*	ND*	ND*	ND*	0.66	ND*	36.24	12.62	24.34	28.44
35	15/09/2020	80.65	35.74	ND*	ND*	ND*	ND*	0.53	ND*	40.16	17.35	35.46	26.25
36	18/09/2020	92.42	53.56	0.76	ND*	2.62	ND*	0.56	ND*	25.24	21.32	30.14	23.51
37	22/09/2020	70.21	33.45	ND*	ND*	ND*	ND*	0.70	ND*	28.46	15.29	37.54	20.17
38	25/09/2020	82.61	39.32	ND*	ND*	ND*	ND*	0.92	ND*	41.24	24.28	34.23	25.88
39	29/09/2020	90.24	47.20	ND*	ND*	ND*	ND*	0.85	ND*	31.24	19.33	39.27	22.41

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/90/PCI-I Dt: 18/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 8 hourly or 1 hourly monitored values

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 $\mu\text{g}/\text{m}^3$, Carbon Monoxide as CO: 0.1 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020


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**Table No.: 1.2 - Ambient Air Quality Monitoring Results At Near PMC Building**

Sr. No.	Date of Sampling	Location-2: Near PMC Building											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	19/05/2020	56.31	25.64	ND*	ND*	ND*	ND*	0.48	ND*	16.44	19.19	36.20	10.48
2	22/05/2020	78.62	40.22	0.56	ND*	ND*	ND*	0.30	ND*	13.66	10.65	21.51	13.44
3	26/05/2020	67.62	35.49	ND*	ND*	ND*	ND*	0.44	ND*	32.48	13.51	31.23	15.27
4	29/05/2020	60.21	28.66	ND*	ND*	ND*	ND*	0.37	ND*	23.30	18.48	26.49	11.30
5	02/06/2020	84.53	44.43	ND*	ND*	ND*	ND*	0.63	ND*	22.67	13.61	26.24	10.61
6	05/06/2020	58.35	23.32	ND*	ND*	ND*	ND*	0.55	ND*	27.57	18.64	36.54	17.21
7	09/06/2020	72.63	37.81	ND*	ND*	ND*	ND*	0.56	ND*	32.48	16.36	23.45	20.24
8	12/06/2020	48.88	19.26	ND*	ND*	ND*	ND*	0.64	ND*	21.58	12.33	21.50	15.22
9	16/06/2020	88.68	48.34	0.65	ND*	ND*	ND*	0.87	ND*	31.26	19.27	24.58	24.22
10	19/06/2020	68.56	32.64	ND*	ND*	ND*	ND*	0.19	ND*	14.54	17.27	28.23	12.59
11	23/06/2020	80.30	45.56	ND*	ND*	ND*	ND*	0.46	ND*	24.63	14.20	31.61	18.25
12	26/06/2020	73.69	36.39	ND*	ND*	ND*	ND*	0.34	ND*	20.68	10.85	20.78	16.84
13	30/06/2020	67.34	24.37	ND*	ND*	ND*	ND*	0.54	ND*	17.69	6.21	27.84	23.71
14	03/07/2020	70.23	34.27	ND*	ND*	ND*	ND*	0.48	ND*	19.63	19.20	39.33	14.57
15	07/07/2020	69.20	18.29	ND*	ND*	ND*	ND*	0.40	ND*	37.31	14.25	32.54	12.25
16	10/07/2020	58.22	21.85	ND*	ND*	ND*	ND*	0.69	ND*	41.23	12.61	29.60	16.48
17	14/07/2020	72.67	46.22	ND*	ND*	ND*	ND*	0.49	ND*	23.64	20.25	37.51	11.28
18	17/07/2020	62.66	36.52	ND*	ND*	ND*	ND*	0.34	ND*	26.37	11.22	30.50	22.70
19	21/07/2020	76.26	30.56	ND*	ND*	ND*	ND*	0.81	ND*	22.47	15.68	19.53	13.67
20	24/07/2020	57.61	24.56	ND*	ND*	ND*	ND*	0.61	ND*	18.21	22.66	27.85	21.69
21	28/07/2020	78.32	43.63	ND*	ND*	ND*	ND*	0.29	ND*	35.43	17.88	38.30	20.48
22	31/07/2020	65.31	27.22	ND*	ND*	ND*	ND*	0.23	ND*	27.50	13.52	18.45	17.89
23	04/08/2020	69.31	33.43	ND*	ND*	ND*	ND*	0.54	ND*	20.83	16.39	29.58	12.33
24	07/08/2020	57.66	19.37	ND*	ND*	ND*	ND*	0.31	ND*	30.37	9.68	21.65	10.48
25	11/08/2020	66.25	25.37	ND*	ND*	ND*	ND*	0.22	ND*	15.39	18.25	25.64	19.54
26	14/08/2020	51.29	21.30	ND*	ND*	ND*	ND*	0.32	ND*	33.52	11.36	28.66	22.20
27	18/08/2020	49.31	20.22	ND*	ND*	ND*	ND*	0.71	ND*	23.55	14.65	23.56	18.68

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28	21/08/2020	67.21	34.53	ND*	ND*	ND*	ND*	0.47	ND*	17.60	20.26	20.17	16.24
29	25/08/2020	58.61	26.71	ND*	ND*	ND*	ND*	0.36	ND*	25.60	13.58	30.43	13.20
30	28/08/2020	65.37	28.39	ND*	ND*	ND*	ND*	0.64	ND*	31.29	7.20	17.69	23.26
31	01/09/2020	50.30	25.67	ND*	ND*	ND*	ND*	0.71	ND*	13.25	11.54	21.51	15.21
32	04/09/2020	79.59	46.20	ND*	ND*	ND*	ND*	0.24	ND*	25.47	8.80	17.57	17.21
33	08/09/2020	59.24	28.55	ND*	ND*	ND*	ND*	0.33	ND*	30.43	16.17	35.38	23.44
34	11/09/2020	69.33	38.36	ND*	ND*	ND*	ND*	0.57	ND*	19.25	18.31	30.40	20.29
35	15/09/2020	75.24	33.22	ND*	ND*	ND*	ND*	0.42	ND*	12.56	12.63	22.62	14.65
36	18/09/2020	68.26	35.66	ND*	ND*	ND*	ND*	0.30	ND*	16.39	19.49	27.31	21.81
37	22/09/2020	53.55	29.43	ND*	ND*	ND*	ND*	0.58	ND*	14.58	10.30	31.54	18.36
38	25/09/2020	70.24	30.55	ND*	ND*	ND*	ND*	0.74	ND*	27.51	15.72	29.47	22.22
39	29/09/2020	76.31	37.51	ND*	ND*	ND*	ND*	0.37	ND*	24.11	17.15	23.61	25.39

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/90/PCI-I Dt: 18/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 8 hourly or 1 hourly monitored values

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m³, Arsenic as As: 2 ng/m³, Nickel as Ni: 5 ng/m³

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

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**Table No.: 1.3 - Ambient Air Quality Monitoring Results At Sub-Station-7B Building**

Sr. No.	Date of Sampling	Location-3: Sub-Station-7B Building											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	19/05/2020	63.54	30.26	ND*	ND*	ND*	ND*	0.54	ND*	26.59	10.23	16.51	12.64
2	22/05/2020	71.53	34.49	ND*	ND*	ND*	ND*	0.21	ND*	21.55	6.82	19.29	18.51
3	26/05/2020	51.51	19.69	ND*	ND*	ND*	ND*	0.34	ND*	15.23	9.59	29.21	10.81
4	29/05/2020	74.53	40.58	ND*	ND*	ND*	ND*	0.29	ND*	12.88	12.61	23.67	15.53
5	02/06/2020	76.54	40.59	ND*	ND*	ND*	ND*	0.36	ND*	18.68	8.60	15.69	17.54
6	05/06/2020	64.52	33.38	ND*	ND*	ND*	ND*	0.32	ND*	15.61	20.44	27.50	13.50
7	09/06/2020	59.26	41.30	ND*	ND*	ND*	ND*	0.50	ND*	24.36	18.46	20.68	11.64
8	12/06/2020	63.43	26.88	ND*	ND*	ND*	ND*	0.41	ND*	13.51	6.54	14.21	18.58
9	16/06/2020	70.28	39.61	ND*	ND*	ND*	ND*	0.61	ND*	35.63	14.19	17.55	21.63
10	19/06/2020	52.61	23.49	ND*	ND*	ND*	ND*	0.44	ND*	10.22	13.40	21.49	10.77
11	23/06/2020	65.63	38.43	ND*	ND*	ND*	ND*	0.30	ND*	17.55	11.65	35.19	12.61
12	26/06/2020	58.40	30.69	ND*	ND*	ND*	ND*	0.47	ND*	26.33	7.57	16.14	14.55
13	30/06/2020	62.93	21.59	ND*	ND*	ND*	ND*	0.66	ND*	20.54	10.31	22.24	16.60
14	03/07/2020	65.36	23.64	ND*	ND*	ND*	ND*	0.22	ND*	23.42	16.24	26.25	20.60
15	07/07/2020	46.52	15.65	ND*	ND*	ND*	ND*	0.25	ND*	10.31	12.40	20.29	18.47
16	10/07/2020	53.49	26.50	ND*	ND*	ND*	ND*	0.66	ND*	32.82	7.51	17.57	10.58
17	14/07/2020	62.64	31.55	ND*	ND*	ND*	ND*	0.39	ND*	27.84	15.19	24.61	21.23
18	17/07/2020	54.52	33.36	ND*	ND*	ND*	ND*	0.32	ND*	14.25	8.48	14.65	12.51
19	21/07/2020	70.27	37.23	ND*	ND*	ND*	ND*	0.64	ND*	33.57	11.71	25.49	19.67
20	24/07/2020	63.40	27.56	ND*	ND*	ND*	ND*	0.45	ND*	29.45	14.20	21.34	13.49
21	28/07/2020	71.55	39.27	ND*	ND*	ND*	ND*	0.18	ND*	38.21	10.61	27.65	16.56
22	31/07/2020	52.79	22.60	ND*	ND*	ND*	ND*	0.13	ND*	22.78	6.69	15.28	11.83
23	04/08/2020	50.68	20.40	ND*	ND*	ND*	ND*	0.14	ND*	28.66	6.27	14.27	19.37
24	07/08/2020	63.58	25.25	ND*	ND*	ND*	ND*	0.55	ND*	11.27	13.32	24.39	16.59
25	11/08/2020	40.31	22.31	ND*	ND*	ND*	ND*	0.42	ND*	21.26	11.12	18.52	13.45
26	14/08/2020	59.33	27.21	ND*	ND*	ND*	ND*	0.21	ND*	17.52	9.25	20.58	20.38
27	18/08/2020	44.20	15.25	ND*	ND*	ND*	ND*	0.17	ND*	20.56	17.64	33.64	14.16

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schedule II auditor

● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.****Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com**



28	21/08/2020	61.32	26.24	ND*	ND*	ND*	ND*	0.34	ND*	26.25	15.33	28.37	12.40
29	25/08/2020	42.62	17.52	ND*	ND*	ND*	ND*	0.27	ND*	13.54	10.44	22.74	17.68
30	28/08/2020	57.34	35.67	ND*	ND*	ND*	ND*	0.77	ND*	10.51	12.23	30.23	21.66
31	01/09/2020	71.51	31.58	ND*	ND*	ND*	ND*	0.64	ND*	17.51	9.39	24.59	10.22
32	04/09/2020	66.15	36.35	ND*	ND*	ND*	ND*	0.41	ND*	13.12	7.37	18.33	15.49
33	08/09/2020	82.56	39.26	ND*	ND*	ND*	ND*	0.17	ND*	26.42	12.39	28.62	11.20
34	11/09/2020	56.24	30.45	ND*	ND*	ND*	ND*	0.52	ND*	23.41	8.56	15.29	14.80
35	15/09/2020	70.25	27.26	ND*	ND*	ND*	ND*	0.22	ND*	19.32	10.18	25.45	21.30
36	18/09/2020	62.47	33.77	ND*	ND*	ND*	ND*	0.47	ND*	14.66	16.44	19.68	16.25
37	22/09/2020	57.39	23.49	ND*	ND*	ND*	ND*	0.63	ND*	20.25	11.29	17.80	12.54
38	25/09/2020	65.45	26.40	ND*	ND*	ND*	ND*	0.36	ND*	24.25	13.34	23.20	20.42
39	29/09/2020	60.35	34.57	ND*	ND*	ND*	ND*	0.27	ND*	15.23	6.57	14.23	17.62

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/90/PCI-I Dt: 18/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 8 hourly or 1 hourly monitored values

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 $\mu\text{g}/\text{m}^3$, Carbon Monoxide as CO: 0.1 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

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**Table No.: 1.4 - Ambient Air Quality Monitoring Results At GCPTL Gate**

Sr. No.	Date of Sampling	Location-4: GCPTL Gate											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	19/05/2020	68.31	39.45	ND*	ND*	ND*	ND*	0.41	ND*	20.64	8.55	20.30	16.27
2	22/05/2020	57.60	22.60	ND*	ND*	ND*	ND*	0.32	ND*	29.32	14.24	16.45	22.34
3	26/05/2020	63.42	26.26	ND*	ND*	ND*	ND*	0.18	ND*	12.40	6.43	23.55	19.31
4	29/05/2020	52.62	29.44	ND*	ND*	ND*	ND*	0.36	ND*	18.46	9.50	15.85	13.21
5	02/06/2020	59.66	34.39	ND*	ND*	ND*	ND*	0.14	ND*	11.26	15.28	33.51	12.34
6	05/06/2020	68.66	26.81	ND*	ND*	ND*	ND*	0.37	ND*	25.32	12.19	39.26	15.50
7	09/06/2020	78.62	33.57	ND*	ND*	ND*	ND*	0.29	ND*	20.23	8.73	16.31	18.63
8	12/06/2020	44.30	16.37	ND*	ND*	ND*	ND*	0.22	ND*	10.34	10.44	19.40	10.23
9	16/06/2020	62.52	28.29	ND*	ND*	ND*	ND*	0.26	ND*	22.39	18.30	27.52	16.79
10	19/06/2020	48.38	20.56	ND*	ND*	ND*	ND*	0.25	ND*	19.32	11.15	32.47	21.73
11	23/06/2020	54.27	25.73	ND*	ND*	ND*	ND*	0.16	ND*	12.63	9.44	22.42	17.09
12	26/06/2020	64.66	23.58	ND*	ND*	ND*	ND*	0.21	ND*	16.16	13.24	25.65	20.36
13	30/06/2020	51.68	18.50	ND*	ND*	ND*	ND*	0.57	ND*	13.45	7.24	18.27	25.25
14	03/07/2020	75.37	17.65	ND*	ND*	ND*	ND*	0.44	ND*	15.67	11.52	14.58	22.49
15	07/07/2020	52.63	22.45	ND*	ND*	ND*	ND*	0.52	ND*	34.22	8.66	13.50	24.62
16	10/07/2020	48.34	19.35	ND*	ND*	ND*	ND*	0.63	ND*	29.30	14.32	24.33	19.29
17	14/07/2020	68.67	26.25	ND*	ND*	ND*	ND*	0.78	ND*	31.27	18.24	20.28	16.64
18	17/07/2020	46.23	16.19	ND*	ND*	ND*	ND*	0.17	ND*	19.34	6.33	28.25	17.97
19	21/07/2020	61.22	25.39	ND*	ND*	ND*	ND*	0.30	ND*	27.32	13.44	23.45	14.22
20	24/07/2020	45.26	18.40	ND*	ND*	ND*	ND*	0.24	ND*	21.39	10.31	19.65	11.41
21	28/07/2020	66.76	35.47	ND*	ND*	ND*	ND*	0.33	ND*	25.23	7.24	22.68	13.24
22	31/07/2020	42.65	15.87	ND*	ND*	ND*	ND*	0.27	ND*	33.25	12.71	25.81	10.32
23	04/08/2020	77.54	38.30	ND*	ND*	ND*	ND*	0.37	ND*	25.34	10.20	17.87	21.26
24	07/08/2020	53.69	32.42	ND*	ND*	ND*	ND*	0.40	ND*	13.52	7.49	15.27	11.20
25	11/08/2020	46.37	18.57	ND*	ND*	ND*	ND*	0.33	ND*	11.32	9.59	27.26	16.36
26	14/08/2020	40.22	15.10	ND*	ND*	ND*	ND*	0.15	ND*	23.65	14.24	16.26	19.04
27	18/08/2020	63.35	35.62	ND*	ND*	ND*	ND*	0.63	ND*	17.38	12.16	20.32	10.26

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28	21/08/2020	56.24	22.42	ND*	ND*	ND*	ND*	0.44	ND*	14.30	8.29	30.11	15.26
29	25/08/2020	48.62	19.85	ND*	ND*	ND*	ND*	0.61	ND*	35.36	18.33	25.65	20.13
30	28/08/2020	49.20	31.24	ND*	ND*	ND*	ND*	0.41	ND*	22.34	11.56	19.49	17.25
31	01/09/2020	64.53	28.43	ND*	ND*	ND*	ND*	0.19	ND*	20.71	7.67	16.24	18.21
32	04/09/2020	51.26	25.37	ND*	ND*	ND*	ND*	0.21	ND*	30.39	11.20	25.19	10.82
33	08/09/2020	47.57	21.58	ND*	ND*	ND*	ND*	0.13	ND*	13.45	6.26	20.22	13.49
34	11/09/2020	62.54	35.47	ND*	ND*	ND*	ND*	0.32	ND*	19.54	16.69	27.48	15.36
35	15/09/2020	54.25	22.46	ND*	ND*	ND*	ND*	0.48	ND*	16.40	19.25	30.38	23.27
36	18/09/2020	81.69	48.47	ND*	ND*	ND*	ND*	0.23	ND*	10.55	10.39	26.44	12.59
37	22/09/2020	49.60	20.34	ND*	ND*	ND*	ND*	0.54	ND*	22.57	14.58	28.32	17.42
38	25/09/2020	58.49	23.28	ND*	ND*	ND*	ND*	0.29	ND*	18.46	17.61	31.25	11.39
39	29/09/2020	52.40	27.51	ND*	ND*	ND*	ND*	0.61	ND*	11.60	8.23	19.58	14.30

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/90/PCI-I Dt: 18/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 8 hourly or 1 hourly monitored values

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 $\mu\text{g}/\text{m}^3$, Carbon Monoxide as CO: 0.1 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

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● GPCB approved schedule II auditor

● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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**Table No.: 1.5 - Ambient Air Quality Monitoring Results At Near Silo Porta Cabin**

Sr. No.	Date of Sampling	Location-5: Near Silo Porta Cabin											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	19/05/2020	74.86	33.90	ND*	ND*	ND*	ND*	0.17	ND*	18.22	12.30	23.48	14.27
2	22/05/2020	64.54	28.33	ND*	ND*	ND*	ND*	0.26	ND*	15.30	8.24	26.21	11.68
3	26/05/2020	56.31	23.44	ND*	ND*	ND*	ND*	0.22	ND*	26.35	15.51	18.46	16.41
4	29/05/2020	65.40	36.42	ND*	ND*	ND*	ND*	0.13	ND*	31.27	13.34	20.80	19.28
5	02/06/2020	67.84	37.72	ND*	ND*	ND*	ND*	0.27	ND*	14.30	10.26	20.31	14.24
6	05/06/2020	53.67	20.44	ND*	ND*	ND*	ND*	0.18	ND*	21.21	16.21	23.51	19.20
7	09/06/2020	65.67	28.63	ND*	ND*	ND*	ND*	0.38	ND*	27.67	12.58	19.56	16.19
8	12/06/2020	52.74	22.46	ND*	ND*	ND*	ND*	0.45	ND*	19.67	8.89	16.81	12.19
9	16/06/2020	79.34	35.39	ND*	ND*	ND*	ND*	0.17	ND*	25.48	11.27	21.28	22.14
10	19/06/2020	63.26	26.32	ND*	ND*	ND*	ND*	0.62	ND*	12.50	18.56	17.29	13.24
11	23/06/2020	59.21	33.26	ND*	ND*	ND*	ND*	0.40	ND*	20.35	6.39	28.42	20.47
12	26/06/2020	69.45	27.66	ND*	ND*	ND*	ND*	0.33	ND*	29.38	19.42	31.78	11.59
13	30/06/2020	46.54	15.30	ND*	ND*	ND*	ND*	0.49	ND*	33.21	17.48	25.33	18.16
14	03/07/2020	50.22	28.35	ND*	ND*	ND*	ND*	0.16	ND*	27.64	12.71	18.20	16.31
15	07/07/2020	40.22	27.63	ND*	ND*	ND*	ND*	0.21	ND*	23.55	6.33	26.84	11.57
16	10/07/2020	64.28	24.20	ND*	ND*	ND*	ND*	0.50	ND*	19.55	9.25	31.59	13.55
17	14/07/2020	55.40	21.66	ND*	ND*	ND*	ND*	0.62	ND*	16.82	13.68	17.24	10.61
18	17/07/2020	66.26	39.37	ND*	ND*	ND*	ND*	0.26	ND*	22.65	17.54	22.41	14.62
19	21/07/2020	54.22	23.29	ND*	ND*	ND*	ND*	0.53	ND*	17.51	10.71	21.21	12.63
20	24/07/2020	41.21	15.35	ND*	ND*	ND*	ND*	0.19	ND*	12.65	7.66	25.33	17.65
21	28/07/2020	60.35	32.43	ND*	ND*	ND*	ND*	0.14	ND*	31.66	11.33	30.39	15.21
22	31/07/2020	59.23	25.33	ND*	ND*	ND*	ND*	0.36	ND*	18.32	8.30	13.27	20.61
23	04/08/2020	61.64	27.16	ND*	ND*	ND*	ND*	0.58	ND*	12.69	8.65	21.40	11.34
24	07/08/2020	46.28	21.60	ND*	ND*	ND*	ND*	0.52	ND*	16.20	11.26	17.21	13.51
25	11/08/2020	56.35	29.23	ND*	ND*	ND*	ND*	0.19	ND*	17.20	13.14	14.20	22.45
26	14/08/2020	47.63	18.26	ND*	ND*	ND*	ND*	0.16	ND*	26.36	16.24	23.44	15.13
27	18/08/2020	54.34	24.31	ND*	ND*	ND*	ND*	0.48	ND*	14.20	10.31	28.43	20.43

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28	21/08/2020	49.52	19.30	ND*	ND*	ND*	ND*	0.29	ND*	23.46	12.62	15.30	19.47
29	25/08/2020	53.59	22.35	ND*	ND*	ND*	ND*	0.56	ND*	21.54	9.54	19.22	10.65
30	28/08/2020	44.28	25.68	ND*	ND*	ND*	ND*	0.49	ND*	27.58	6.33	26.10	18.27
31	01/09/2020	55.67	37.20	ND*	ND*	ND*	ND*	0.34	ND*	10.34	13.52	19.49	12.36
32	04/09/2020	60.39	33.62	ND*	ND*	ND*	ND*	0.14	ND*	15.65	16.22	22.31	20.25
33	08/09/2020	53.40	25.55	ND*	ND*	ND*	ND*	0.38	ND*	20.58	7.24	26.24	15.89
34	11/09/2020	48.64	15.88	ND*	ND*	ND*	ND*	0.44	ND*	28.27	14.24	21.32	18.61
35	15/09/2020	56.59	23.45	ND*	ND*	ND*	ND*	0.31	ND*	33.52	8.35	18.49	16.39
36	18/09/2020	76.20	39.14	ND*	ND*	ND*	ND*	0.15	ND*	19.40	15.24	23.41	25.25
37	22/09/2020	44.52	16.28	ND*	ND*	ND*	ND*	0.40	ND*	24.50	6.65	15.27	13.29
38	25/09/2020	52.45	29.31	ND*	ND*	ND*	ND*	0.25	ND*	13.78	12.12	20.31	19.21
39	29/09/2020	47.58	24.25	ND*	ND*	ND*	ND*	0.49	ND*	18.31	10.39	17.28	10.38

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/90/PCI-I Dt: 18/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 8 hourly or 1 hourly monitored values

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 $\mu\text{g}/\text{m}^3$, Carbon Monoxide as CO: 0.1 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

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**Table No.: 1.6 - Ambient Air Quality Monitoring Results At JS – 2 Junction**

Sr. No.	Date of Sampling	Location-6: JS – 2 Junction											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	19/05/2020	79.34	42.39	ND*	ND*	ND*	ND*	0.46	ND*	23.44	14.55	25.39	18.25
2	22/05/2020	86.35	47.32	0.62	ND*	2.20	10.50	0.63	ND*	26.23	18.67	30.27	20.29
3	26/05/2020	73.27	30.85	ND*	ND*	ND*	ND*	0.74	ND*	35.59	20.56	33.61	24.21
4	29/05/2020	80.32	44.52	0.56	ND*	2.36	10.38	0.42	ND*	15.67	22.33	28.41	26.50
5	02/06/2020	88.34	48.64	ND*	ND*	ND*	ND*	0.31	ND*	28.62	20.09	38.65	25.53
6	05/06/2020	73.29	37.61	ND*	ND*	ND*	ND*	0.80	ND*	33.48	14.64	24.62	28.49
7	09/06/2020	86.20	45.24	0.58	ND*	2.34	10.55	0.60	ND*	38.47	23.63	35.45	23.49
8	12/06/2020	68.69	34.28	ND*	ND*	ND*	ND*	0.82	ND*	16.85	16.51	26.59	17.90
9	16/06/2020	84.28	45.61	0.72	ND*	2.62	10.21	0.72	ND*	39.24	21.59	34.63	14.68
10	19/06/2020	76.37	29.60	ND*	ND*	ND*	ND*	0.78	ND*	26.22	15.16	39.67	19.34
11	23/06/2020	85.66	41.50	ND*	ND*	ND*	ND*	0.53	ND*	35.77	17.87	36.28	24.83
12	26/06/2020	78.63	38.32	ND*	ND*	ND*	ND*	0.58	ND*	40.17	22.41	42.73	27.35
13	30/06/2020	58.63	27.34	ND*	ND*	ND*	ND*	0.84	ND*	36.54	19.68	33.48	21.35
14	03/07/2020	80.38	44.28	ND*	ND*	ND*	ND*	0.41	ND*	13.83	21.88	32.48	23.50
15	07/07/2020	57.55	30.39	ND*	ND*	ND*	ND*	0.42	ND*	26.73	10.36	28.66	26.56
16	10/07/2020	70.28	33.43	ND*	ND*	ND*	ND*	0.58	ND*	24.63	16.47	33.70	21.88
17	14/07/2020	81.61	49.31	0.64	ND*	2.20	10.63	0.94	ND*	34.65	23.59	39.26	25.33
18	17/07/2020	71.20	42.65	ND*	ND*	ND*	ND*	0.65	ND*	40.30	13.59	25.65	27.21
19	21/07/2020	82.40	35.62	ND*	ND*	ND*	10.29	0.37	ND*	30.31	18.56	30.74	17.21
20	24/07/2020	52.61	21.23	ND*	ND*	ND*	ND*	0.31	ND*	33.62	20.29	38.57	19.18
21	28/07/2020	85.39	47.53	0.76	ND*	2.54	ND*	0.46	ND*	22.87	15.21	34.27	28.26
22	31/07/2020	73.61	29.49	ND*	ND*	ND*	ND*	0.55	ND*	42.26	17.22	29.44	22.34
23	04/08/2020	82.60	42.48	0.66	ND*	2.16	10.34	0.86	ND*	35.67	14.36	31.57	14.20
24	07/08/2020	68.34	39.25	ND*	ND*	ND*	ND*	0.78	ND*	19.58	17.32	26.30	19.23
25	11/08/2020	51.22	31.55	ND*	ND*	ND*	ND*	0.72	ND*	25.79	15.43	34.29	24.53
26	14/08/2020	63.52	33.14	ND*	ND*	ND*	ND*	0.53	ND*	37.21	21.66	38.22	26.31
27	18/08/2020	59.22	27.60	ND*	ND*	ND*	ND*	0.45	ND*	28.23	19.21	30.35	23.41

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28	21/08/2020	78.62	40.30	0.52	ND*	2.28	10.23	0.80	ND*	33.37	22.41	25.18	21.57
29	25/08/2020	62.65	28.47	ND*	ND*	ND*	ND*	0.69	ND*	39.38	16.53	29.10	27.59
30	28/08/2020	80.36	37.62	ND*	ND*	ND*	ND*	0.88	ND*	20.60	20.08	33.47	25.62
31	01/09/2020	76.27	34.31	ND*	ND*	ND*	ND*	0.60	ND*	22.45	18.28	30.21	22.54
32	04/09/2020	83.60	42.55	0.79	ND*	2.35	ND*	0.39	ND*	17.39	20.07	38.41	21.43
33	08/09/2020	69.50	32.53	ND*	ND*	ND*	ND*	0.45	ND*	36.39	17.44	32.54	19.38
34	11/09/2020	52.44	29.28	ND*	ND*	ND*	ND*	0.62	ND*	30.56	11.00	35.26	17.75
35	15/09/2020	68.38	30.19	ND*	ND*	ND*	ND*	0.72	ND*	26.53	14.29	28.17	28.17
36	18/09/2020	86.34	43.85	0.65	ND*	2.46	ND*	0.26	ND*	23.53	12.32	33.46	25.67
37	22/09/2020	63.48	26.23	ND*	ND*	ND*	ND*	0.50	ND*	32.43	19.51	19.32	16.41
38	25/09/2020	75.67	35.33	ND*	ND*	ND*	ND*	0.78	ND*	37.55	21.19	37.80	27.65
39	29/09/2020	82.47	44.61	ND*	ND*	ND*	ND*	0.68	ND*	27.31	13.70	21.61	20.84

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/90/PCI-I Dt: 18/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 8 hourly or 1 hourly monitored values

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m³, Arsenic as As: 2 ng/m³, Nickel as Ni: 5 ng/m³

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

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3B. GROUND WATER LEVEL & QUALITY ANALYSIS (PIEZOMETERS) MONITORING: -

Table- 1: Ground Water Level & Quality Analysis (Pizometer) Results for the period: April-2020 to September-2020

3B.1 Near Sub Station-7B

SR. NO.	TEST PARAMETER	UNIT	OBSERVATION				
			May-20	June-20	July-20	Aug-20	Sep-20
			26/05/20	15/06/20	22/07/20	22/08/20	25/09/20
1	Temperature	°C	31.9	31.8	31.1	30.4	30.6
2	pH	--	8.03	8.20	8.40	8.25	8.48
3	Total Dissolved Solids	mg/L	1212	1316	1564	1612	1570
4	Salinity	ppt	0.39	0.40	0.44	0.47	0.44
5	Chloride as Cl	mg/L	219	224	249	264	246
6	Depth of Water Level from Ground Level	meter	1.4	1.0	1.0	1.5	1.5
7	Status of Tide	--	High Tide	High Tide	High Tide	Low Tide	High Tide

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

3B.2 Near QHSE Office

SR. NO.	TEST PARAMETER	UNIT	OBSERVATION				
			May-20	June-20	July-20	Aug-20	Sep-20
			26/05/20	15/06/20	22/07/20	22/08/20	25/09/20
1	Temperature	°C	32.0	31.8	31.3	30.7	30.5
2	pH	--	8.15	8.09	8.31	8.19	8.66
3	Total Dissolved Solids	mg/L	1188	1074	1260	1349	1134
4	Salinity	ppt	0.36	0.35	0.39	0.27	0.41
5	Chloride as Cl	mg/L	184	196	219	249	230
6	Depth of Water Level from Ground Level	meter	2.4	1.5	1.5	1.0	1.0
7	Status of Tide	--	High Tide	High Tide	High Tide	Low Tide	High Tide

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020



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3C. SEA WATER (SURFACE & BOTTOM) QUALITY ANALYSIS MONITORING:-

Table No.: 3C.1 - Sea Water (Surface & Bottom) Quality Analysis Results of sea water south side for the period: April 2020 to September 2020:-

Sr. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE									
			MAY-20		JUNE-20		JULY-20		AUG-20		SEP-20	
			26/05/2020		15/06/2020		22/07/2020		22/08/2020		25/09/2020	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.18	8.05	8.30	8.15	8.24	8.19	8.27	8.21	8.21	8.17
2	Temperature	°C	30.5	30.2	30.7	30.5	31.4	31.1	31.5	31.3	30.7	30.5
3	Total Suspended Solids	mg/L	298	347	308	323	329	350	374	326	316	301
4	BOD (3 Days @ 27 °C)	mg/L	3.0	Not Detected	3.9	Not Detected	4.2	Not Detected	3.1	Not Detected	2.5	Not Detected
5	Dissolved Oxygen	mg/L	5.8	5.5	5.9	5.7	5.8	5.7	5.9	5.7	5.9	5.6
6	Salinity	ppt	30.8	31.0	31.7	31.3	31.9	32.1	32.1	31.8	30.6	30.2
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	μmol/L	2.4	1.95	3.44	3.20	4.53	4.28	4.28	3.92	2.87	2.61
9	Nitrite as NO ₂	μmol/L	0.98	0.80	0.58	0.83	0.89	0.62	0.72	0.56	0.43	0.36
10	Ammonical Nitrogen as NH ₃	μmol/L	2.56	2.44	2.41	2.36	2.23	2.11	2.51	2.32	2.60	2.47
11	Phosphates as PO ₄	μmol/L	2.72	2.30	1.28	1.16	1.74	1.63	1.35	1.17	1.39	1.18
12	Total Nitrogen	μmol/L	5.94	5.19	6.43	6.39	7.65	7.01	7.51	6.80	5.90	5.44
13	Petroleum Hydrocarbon	μg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14	Total Dissolved Solids	mg/L	33011	33412	33560	32978	33712	33928	34160	33746	32014	31635
15	COD	mg/L	10	6	25	Not Detected	26.7	Not Detected	24.2	Not Detected	21.3	Not Detected
A Phytoplankton												
16.1	Chlorophyll	mg/m ³	3.41	2.95	3.31	2.83	3.57	2.67	3.20	2.72	2.88	2.56
16.2	Phaeophytin	mg/m ³	1.30	1.84	2.74	2.10	2.70	2.38	1.62	2.32	1.60	2.22
16.3	Cell Count	Unit x 10 ³ /L	184	78	160	110	152	92	178	106	148	90
16.4	Name of Group Number and name of group species of each group	--	Navicula sp. Asterionella sp. Coscinodiscus sp. Nitzschia sp.	Nitzschia sp. Synedra sp. Cosmarium sp. --	Nitzschia sp. Thalassiosira sp. Biddulphia sp. Coscinodiscus sp.	Navicula sp. Synedra sp. Pleurosigma sp.	Nitzschia sp. Coscinodiscus sp. Biddulphia sp. Pleurosigma sp.	Navicula sp. Synedra sp. Thalassiosira sp. --	Scenedesmus Thalassiosira sp. Thalassiosira sp. Asterionella	Navicula sp. Nitzschia sp. Synedra sp. --	Nitzschia sp. Biddulphia sp. Coscinodiscus sp. Cymbella sp.	Navicula sp. Synedra sp. Fragillaria sp. --

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Sr. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE				
			MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
			26/05/2020	15/06/2020	22/07/2020	22/08/2020	25/09/2020
			South Side	South Side	South Side	South Side	South Side
B	Zooplanktons						
17.1	Abundance (Population)	noX10 ³ /100m ³	42	24	21	25	23
17.2	Name of Group Number and name of group species of each group	--	Polychaetes Nauplius larvae Ostracods	Nauplius larvae Bivalves Gastropods	Nauplius larvae Polychaetes Gastropods	Polychaetes Ostracods Bivalves	Polychaetes Gastropods Decapods Mysids
17.3	Total Biomass	ml/100 m ³	1.6	3.5	3.1	3.0	2.1
C	Microbiological Parameters						
18.1	Total Bacterial Count	CFU/ml	1920	1980	2140	2140	1980
18.2	Total Coliform	/ml	Absent	Absent	Absent	Absent	Absent
18.3	E.coli	/ml	Absent	Absent	Absent	Absent	Absent
18.4	Enterococcus species	/ml	Absent	Absent	Absent	Absent	Absent
18.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent
18.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent
18.7	Vibrio species	/ml	Absent	Absent	Absent	Absent	Absent

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

Observation: From the above results it is concluded that there is No Significant Changes in the Quality of Sea Water.

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Table No.: 3C.2 - Sea Water (Surface & Bottom) Quality Analysis Results of Sea Water North Side for the period: April 2020 to September 2020:-

SR. NO..	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE									
			MAY-20		JUNE-20		JULY-20		AUG-20		SEP-20	
			26/05/2020		15/06/2020		22/07/2020		22/08/2020		25/09/2020	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.20	8.07	8.24	8.09	8.21	8.17	8.26	8.20	8.17	8.13
2	Temperature	°C	30.6	30.3	30.8	30.3	31.2	31.0	31.6	31.4	30.6	30.4
3	Total Suspended Solids	mg/L	356	390	319	361	348	376	369	337	302	290
4	BOD (3 Days @ 27 °C)	mg/L	4.0	Not Detected	3.5	Not Detected	4.1	Not Detected	3.5	Not Detected	2.4	Not Detected
5	Dissolved Oxygen	mg/L	6.0	5.5	6.0	5.8	5.8	5.6	5.9	5.6	6.0	5.8
6	Salinity	ppt	30.7	30.9	31.3	30.9	31.7	32.0	32.3	31.9	30.5	30.1
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	µmol/L	3.10	2.90	3.68	3.46	4.6	4.31	4.11	3.92	2.94	2.58
9	Nitrite as NO ₂	µmol/L	1.60	1.40	0.35	1.20	0.76	0.52	0.38	0.41	0.20	0.15
10	Ammonical Nitrogen as NH ₃	µmol/L	2.66	2.50	2.39	2.12	3.11	3.00	2.70	2.53	1.69	1.43
11	Phosphates as PO ₄	µmol/L	2.65	2.50	1.6	1.75	1.93	1.78	1.52	1.40	0.92	0.89
12	Total Nitrogen	µmol/L	7.36	6.80	6.42	6.78	8.47	7.83	7.49	6.86	4.83	4.16
13	Petroleum Hydrocarbon	µg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14	Total Dissolved Solids	mg/L	32912	33117	33484	33219	33616	33876	34290	33806	31918	31540
15	COD	mg/L	15.0	14.0	19.0	Not Detected	25.4	Not Detected	22.8	Not Detected	19.6	Not Detected
A Phytoplankton												
16.1	Chlorophyll	mg/m ³	3.36	2.83	3.58	2.78	2.88	2.62	3.15	2.83	2.78	2.67
16.2	Phaeophytin	mg/m ³	2.05	2.41	1.47	2.23	2.16	2.5	2.16	2.03	1.56	2.26
16.3	Cell Count	Unit x 10 ³ /L	180	86	150	106	144	98	174	112	152	96
16.4	Name of Group Number and name of group species of each group	--	Nitzschia sp. Asterionella sp. Coscinodiscus sp. cosmarium sp.	Navicula sp. Spirulina sp. Nitzschia sp. --	Coscinodiscus sp. Scenedesmus sp. Rhizosolenia sp. Pleurosigma sp.	Nitzschia sp. Navicula sp. Synedra sp.	Nitzschia sp. Coscinodiscus sp. Rhizosolenia sp. Cyclotella sp.	Navicula sp. Synedra sp. Fragillaria sp. --	Navicula sp. Coscinodiscus sp. Asterionella sp. Thalassionema sp.	Nitzschia sp. Synedra sp. Melosira sp. --	Nitzschia sp. Biddulphia sp. Coscinodiscus sp. Pleurosigma sp.	Navicula sp. Synedra sp. Thalassiosira sp. --

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Sr. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE				
			MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
			26/05/2020	15/06/2020	22/07/2020	22/08/2020	25/09/2020
			North Side	North Side	North Side	North Side	North Side
B	Zooplanktons						
17.1	Abundance (Population)	noX10 ³ / 100m ³	47	22	26	21	24
17.2	Name of Group Number and name of group species of each group	--	Decapods Copepods Polychaetes	Nauplius larvae Ostracods Polychaetes	Polychaetes Gastropods	Polychaetes Nauplius larvae Mysids Cyclops	Polychaetes Crustaceans Bivalves Copepods
17.3	Total Biomass	ml/100 m ³	3.60	3.25	3.40	2.90	2.90
C	Microbiological Parameters						
18.1	Total Bacterial Count	CFU/ml	1890	2120	1950	2180	2240
18.2	Total Coliform	/ml	Absent	Absent	Absent	Absent	Absent
18.3	E.coli	/ml	Absent	Absent	Absent	Absent	Absent
18.4	Enterococcus species	/ml	Absent	Absent	Absent	Absent	Absent
18.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent
18.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent
18.7	Vibrio species	/ml	Absent	Absent	Absent	Absent	Absent

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

Observation: From the above results it is concluded that there is No Significant Changes in the Quality of Sea Water.

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3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis (South Side) Results for the period: April 2020 to September 2020

Sr. No	PARAMETERS	UNIT	MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
			26/05/2020	15/06/2020	22/07/2020	22/08/2020	25/09/2020
1	Organic Matter	%	0.75	0.58	0.46	0.63	0.38
2	Phosphorus as P	µg/g	698	610	693	719	570
3	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy
4	Petroleum Hydrocarbon	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Heavy Metals						
5.1	Aluminum as Al	%	4.84	4.56	4.86	4.78	4.58
5.2	Total Chromium as Cr ⁺³	µg/g	180	133	210	210	170
5.3	Manganese as Mn	µg/g	997	890	928	894	736
5.4	Iron as Fe	%	5.05	5.18	4.90	4.73	4.61
5.5	Nickel as Ni	µg/g	44.7	30.2	43.6	58.0	43.0
5.6	Copper as Cu	µg/g	41.2	53.4	65.0	42.0	38.0
5.7	Zinc as Zn	µg/g	198	216	196	176	159
5.8	Lead as Pb	µg/g	1.35	2.98	2.34	2.34	1.70
5.9	Mercury as Hg	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms						
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	-	Copepods Mysids Polychate worms Bivalves	Polychaetes Molluscs Crustaceans --	Polychaetes Bivalves Copepods	Polychaetes Echinoderms Bivalves	Amphipods Echinoderms Oligochaetes
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Foraminiferans	--	--	Nematodes	Nematodes
6.3	Population	no/m ²	750	441	294	353	324

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

Observation: From the above results it is concluded that there is No Significant Changes in the Quality of Sea Sediment.



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3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis Results (North Side) for the period: April-2020 to September-2020:-

Sr. No..	PARAMETERS	UNIT	MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
			26/05/2020	15/06/2020	22/07/2020	22/08/2020	25/09/2020
1	Organic Matter	%	0.82	0.56	0.50	0.65	0.35
2	Phosphorus as P	mg/kg	702	592	643	734	580
3	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy
4	Petroleum Hydrocarbon	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Heavy Metals						
5.1	Aluminum as Al	%	4.95	4.80	4.92	4.70	4.63
5.2	Total Chromium as Cr ⁺³	mg/kg	175	149	230	209	189
5.3	Manganese as Mn	mg/kg	1024	850	940	872	754
5.4	Iron as Fe	%	5.15	5.20	41.83	4.60	4.52
5.5	Nickel as Ni	mg/kg	36.4	49.8	41.9	49.0	37.0
5.6	Copper as Cu	mg/kg	40.1	56.3	63.0	38.0	31.0
5.7	Zinc as Zn	mg/kg	204	230	206	183	168
5.8	Lead as Pb	mg/kg	1.25	2.56	2.19	2.26	1.53
5.9	Mercury as Hg	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms						
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	--	Polychaetes Crustaceans --	Polychaetes Decapods Crustaceans	Polychaetes Crustaceans Bivalves	Polychaetes Echinoderms Crustaceans	Polychaetes Oligochaetes Crustaceans
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Nematodes	--	--	--	--
6.3	Population	no/m ²	805	412	324	382	353

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

Observation: From the above results it is concluded that there is No Significant Changes in the Quality of Sea Sediment.



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3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -

Table - Dump Pond Water Quality Analysis Results for the period: April-2020 to September-2020

Date			May-20	Aug-20
			26/05/2020	22/08/2020
Sr. No.	Test Parameters	Unit	Dump Pond Discharge - J3	Dump Pond Discharge - J3
1.	pH	--	8.07	8.15
2.	Total Dissolved Solids	mg/L	1578	1627
3.	Total Suspended Solids	mg/L	31.4	24.0
4.	Turbidity	NTU	3.14	2.90
5.	BOD (3 Days @ 27 °C)	mg/L	20.0	18.4
6.	Dissolved Oxygen	mg/L	6.4	6.1
7.	COD	mg/L	72	86
8.	Salinity	ppt	0.27	0.249
9.	Oil & Grease	mg/L	Not Detected	Not Detected
10.	Total Hardness as CaCO ₃	mg/L	614	640
11.	Fluoride as F	mg/L	0.35	0.32
12.	Chloride as Cl	mg/L	149	138
13.	Zinc as Zn	mg/L	0.12	0.16
14.	Cadmium as Cd	mg/L	Not Detected	Not Detected
15.	Lead as Pb	mg/L	Not Detected	Not Detected
16.	Mercury as Hg	mg/L	Not Detected	Not Detected

Observation: From the above results it is concluded that there is No Significant Changes in the Quality of Dump Pond Discharge Water.



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3F. STP TREATED WATER QUALITY ANALYSIS MONITORING: -

TABLE - STP TREATED WATER QUALITY ANALYSIS RESULTS FOR THE PERIOD: APRIL-2020 TO SEPTEMBER-2020

SR. NO.	TEST PARAMETERS	UNIT	STP Treated Water Quality Analysis Results					STP Treated Water Limits
			May-20	June-20	July-20	Aug-20	Sep-20	
			26/05/20	15/06/20	22/07/20	22/08/20	25/09/20	
1.	pH	--	7.25	7.17	7.44	7.35	7.82	6.5-8.5
2.	Total Suspended Solids	mg/L	17	21	28	24	4.0	30
3.	BOD (3 Days @ 27 °C)	mg/L	12	15	18	15	12	20
4.	Residual Free Chlorine	mg/L	0.6	0.8	0.6	0.8	0.5	0.5 Min.
5.	Oil & Grease	mg/L	2.8	3.0	5.2	7.4	5.8	Not Specified

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

Observation: From the above results it is concluded that there is No Significant Changes in the Quality of STP Treated Water.



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3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 1 - Behind QHSE Office Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	1 - Behind QHSE Office				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	19/05/2020	02/06/2020	03/07/2020	04/08/2020	01/09/2020
6:00-7:00	47.2	57.6	48.3	40.9	45.8
7:00-8:00	61.1	60.2	44.9	47.8	58.1
8:00-9:00	50.7	46.5	53.9	50.0	47.5
9:00-10:00	48.1	58.5	46.8	68.1	51.2
10:00-11:00	51.5	48.4	50.2	44.2	55.0
11:00-12:00	50.2	40.6	57.6	47.9	45.8
12:00-13:00	47.3	50.2	48.5	50.7	50.1
13:00-14:00	58.2	44.8	51.0	59.9	44.9
14:00-15:00	55.6	60.1	45.5	44.8	52.2
15:00-16:00	45.8	40.3	56.3	51.1	62.1
16:00-17:00	44.7	52.1	58.6	55.8	69.1
17:00-18:00	59.1	55.7	60.2	52.9	42.9
18:00-19:00	44.8	49.5	54.2	53.9	54.1
19:00-20:00	48.5	53.3	58.5	45.9	45.9
20:00-21:00	50.4	47.8	47.3	55.6	49.8
21:00-22:00	45.6	51.1	60.8	46.6	50.3

Sampling Location	1 - Behind QHSE Office				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	19/05/2020 & 20/05/2020	02/06/2020 & 03/06/2020	03/07/2020 & 04/07/2020	04/08/2020 & 05/08/2020	01/09/2020 & 02/09/2020
22:00-23:00	51.3	61.1	47.5	47.8	45.9
23:00-00:00	60.3	55.8	55.7	45.9	50.0
00:00-01:00	47.1	60.3	48.3	61.1	47.8
01:00-02:00	50.1	45.5	58.3	51.8	51.1
02:00-03:00	47.5	50.3	50.3	50.6	45.4
03:00-04:00	49.8	58.0	54.8	52.4	42.8
04:00-05:00	42.5	56.7	45.8	49.1	53.2
05:00-06:00	57.8	54.5	40.9	51.5	51.1

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables -2 - PMC Office Back Side Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	2 - PMC Office Back Side				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	20/05/2020	03/06/2020	04/07/2020	05/08/2020	02/09/2020
6:00-7:00	53.2	48.3	48.6	58.1	55.6
7:00-8:00	42.5	58.1	45.7	41.9	45.8
8:00-9:00	55.3	55.4	58.4	44.8	50.6
9:00-10:00	57.3	52.6	50.8	51.3	47.8
10:00-11:00	61.5	42.9	60.3	60.1	55.3
11:00-12:00	48.4	47.5	47.6	50.6	44.8
12:00-13:00	49.5	60.4	51.4	55.6	51.1
13:00-14:00	50.6	46.6	58.7	50.1	46.9
14:00-15:00	53.1	61.0	42.6	58.9	57.4
15:00-16:00	44.3	50.3	56.4	50.0	47.8
16:00-17:00	51.7	44.7	47.2	42.9	50.1
17:00-18:00	53.6	60.5	56.1	48.1	49.8
18:00-19:00	56.1	60.9	55.4	56.4	54.2
19:00-20:00	57.4	40.8	45.4	59.4	42.8
20:00-21:00	52.9	52.5	61.0	59.8	46.9
21:00-22:00	42.6	55.6	55.2	54.8	50.4

Sampling Location	2 - PMC Office Back Side				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	20/05/2020 & 21/05/2020	03/06/2020 & 04/06/2020	04/07/2020 & 05/07/2020	05/08/2020 & 06/08/2020	02/09/2020 & 03/09/2020
22:00-23:00	52.2	42.7	52.1	55.4	53.2
23:00-00:00	61.1	50.8	50.3	54.2	46.4
00:00-01:00	41.9	47.8	47.4	57.8	42.8
01:00-02:00	58.7	58.2	55.8	51.8	49.4
02:00-03:00	48.9	45.3	51.8	55.1	55.8
03:00-04:00	45.4	45.7	40.5	43.6	50.0
04:00-05:00	50.3	52.3	54.9	52.9	44.9
05:00-06:00	58.0	56.9	60.5	47.4	56.1

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 3 - Sub Station - 6 Back Side Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	3 - Sub Station - 6 Back Side				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	21/05/2020	04/06/2020	06/07/2020	06/08/2020	03/09/2020
6:00-7:00	68.1	49.4	65.4	42.8	69.1
7:00-8:00	44.4	53.2	58.3	65.1	51.5
8:00-9:00	47.5	44.6	50.4	55.8	47.8
9:00-10:00	57.2	42.7	49.9	48.6	55.3
10:00-11:00	49.8	47.9	56.5	42.9	45.8
11:00-12:00	50.3	53.1	57.1	48.1	51.6
12:00-13:00	47.8	42.6	58.0	46.4	55.1
13:00-14:00	57.6	47.7	47.8	56.4	59.2
14:00-15:00	50.8	61.2	43.2	43.9	53.4
15:00-16:00	54.3	50.4	53.1	44.9	58.1
16:00-17:00	46.9	44.9	68.5	52.1	48.4
17:00-18:00	47.7	40.7	48.2	57.8	54.1
18:00-19:00	53.4	51.3	58.9	52.2	47.2
19:00-20:00	54.2	48.8	60.4	50.0	54.0
20:00-21:00	60.2	49.9	43.9	52.3	40.8
21:00-22:00	48.9	47.4	56.7	45.6	53.2

Sampling Location	3 - Sub Station - 6 Back Side				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	21/05/2020 & 22/05/2020	04/06/2020 & 05/06/2020	06/07/2020 & 07/07/2020	06/08/2020 & 07/08/2020	03/09/2020 & 04/09/2020
22:00-23:00	50.6	55.9	47.1	42.9	45.2
23:00-00:00	49.5	50.5	68.2	45.4	50.1
00:00-01:00	58.4	45.0	58.2	48.9	58.8
01:00-02:00	46.4	49.3	56.2	51.1	49.4
02:00-03:00	44.2	42.5	55.2	59.9	57.8
03:00-04:00	50.4	45.4	42.6	48.1	51.1
04:00-05:00	52.4	54.3	55.0	48.9	53.9
05:00-06:00	56.8	57.2	49.8	58.7	43.4

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 4 -Sub Station - 8 (Marine Building) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	4 -Sub Station - 8 (Marine Building)				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	22/05/2020	05/06/2020	07/07/2020	07/08/2020	04/09/2020
6:00-7:00	48.2	59.1	51.8	50.9	56.1
7:00-8:00	50.0	42.1	58.2	44.2	45.9
8:00-9:00	51.3	52.9	60.7	61.1	50.6
9:00-10:00	58.6	48.9	47.4	50.5	45.8
10:00-11:00	42.4	50.5	45.3	51.8	50.1
11:00-12:00	52.3	67.7	55.6	47.9	54.2
12:00-13:00	42.8	51.4	50.3	61.1	51.4
13:00-14:00	47.1	61.1	56.0	50.0	55.2
14:00-15:00	54.8	45.9	57.2	45.8	53.1
15:00-16:00	60.6	60.0	42.9	54.0	43.9
16:00-17:00	47.6	42.2	49.5	57.1	46.7
17:00-18:00	51.8	40.9	54.8	55.1	56.2
18:00-19:00	55.5	52.3	56.9	52.2	47.8
19:00-20:00	52.4	53.4	45.8	56.4	51.2
20:00-21:00	55.4	56.2	41.3	49.2	59.1
21:00-22:00	50.5	47.3	65.3	46.4	58.1

Sampling Location	4 -Sub Station - 8 (Marine Building)				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	22/05/2020 & 23/05/2020	05/06/2020 & 06/06/2020	07/07/2020 & 08/07/2020	07/08/2020 & 08/08/2020	04/09/2020 & 05/09/2020
22:00-23:00	47.8	44.7	61.2	50.6	57.8
23:00-00:00	58.5	57.3	56.4	44.4	45.8
00:00-01:00	50.8	55.6	57.6	59.3	55.1
01:00-02:00	44.1	59.2	60.2	55.1	44.8
02:00-03:00	48.7	44.4	47.6	46.4	55.8
03:00-04:00	42.2	46.7	50.5	50.3	43.8
04:00-05:00	44.5	51.2	47.3	54.6	48.9
05:00-06:00	54.2	42.6	40.3	60.1	44.6

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 5 - Near Sub Station-7B Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	5 - Near Sub Station-7B				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	23/05/2020	06/06/2020	08/07/2020	08/08/2020	05/09/2020
6:00-7:00	58.1	68.1	48.9	42.6	42.8
7:00-8:00	51.4	48.2	45.6	53.4	47.6
8:00-9:00	55.1	50.0	57.5	50.9	51.1
9:00-10:00	47.9	51.2	56.2	58.4	54.2
10:00-11:00	44.6	58.6	68.1	47.9	47.8
11:00-12:00	55.8	42.5	50.0	60.2	50.9
12:00-13:00	52.6	52.2	57.9	50.0	43.2
13:00-14:00	48.7	42.8	44.5	45.4	59.1
14:00-15:00	42.9	47.2	47.9	51.8	53.1
15:00-16:00	45.9	54.8	51.2	52.9	50.2
16:00-17:00	47.4	60.6	55.7	49.4	52.0
17:00-18:00	60.0	47.6	58.1	51.5	49.3
18:00-19:00	50.1	51.8	42.7	47.8	44.9
19:00-20:00	48.8	55.1	49.8	48.1	51.0
20:00-21:00	44.2	52.4	52.8	55.1	53.2
21:00-22:00	51.2	50.1	54.1	50.0	58.1

Sampling Location	5 - Near Sub Station-7B				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	23/05/2020 & 24/05/2020	06/06/2020 & 07/06/2020	08/07/2020 & 09/07/2020	08/08/2020 & 09/08/2020	05/09/2020 & 06/09/2020
22:00-23:00	56.4	59.0	55.9	69.1	59.3
23:00-00:00	48.3	47.4	57.1	50.6	47.8
00:00-01:00	46.6	50.9	61.6	55.1	55.8
01:00-02:00	51.8	46.5	47.2	50.2	50.1
02:00-03:00	50.2	54.6	42.3	59.4	52.4
03:00-04:00	57.3	49.8	56.9	53.3	47.9
04:00-05:00	46.5	42.8	42.8	50.2	49.2
05:00-06:00	42.6	56.1	50.1	41.5	50.1

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables -6 - JS - 1 (Nr. Lakhigam) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	6 - JS - 1 (Nr. Lakhigam)				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	23/05/2020	08/06/2020	09/07/2020	10/08/2020	07/09/2020
6:00-7:00	54.1	47.1	58.9	69.1	51.1
7:00-8:00	61.2	61.1	47.6	45.8	47.2
8:00-9:00	42.7	50.7	44.8	44.6	51.2
9:00-10:00	68.2	48.1	58.5	47.6	49.8
10:00-11:00	46.7	51.6	47.5	60.1	45.9
11:00-12:00	52.3	50.2	55.9	55.1	57.8
12:00-13:00	56.4	58.1	58.4	44.4	52.8
13:00-14:00	67.2	55.5	65.6	45.9	44.9
14:00-15:00	43.4	45.8	44.3	50.6	45.8
15:00-16:00	47.6	44.8	49.9	52.9	50.1
16:00-17:00	44.2	59.1	50.3	49.4	51.0
17:00-18:00	53.8	42.1	53.4	51.5	53.9
18:00-19:00	46.6	48.7	57.3	59.9	42.6
19:00-20:00	40.5	50.3	46.3	47.2	59.1
20:00-21:00	61.4	45.7	51.1	51.2	46.9
21:00-22:00	50.0	46.6	57.6	59.9	42.8

Sampling Location	6 - JS - 1 (Nr. Lakhigam)				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	23/05/2020 & 24/05/2020	08/06/2020 & 09/06/2020	09/07/2020 & 10/07/2020	10/08/2020 & 11/08/2020	07/09/2020 & 08/09/2020
22:00-23:00	46.9	55.2	57.2	51.1	54.2
23:00-00:00	44.8	48.1	61.1	45.8	57.8
00:00-01:00	57.1	50.7	49.1	44.6	59.1
01:00-02:00	55.6	57.5	42.9	53.1	46.8
02:00-03:00	67.5	45.9	54.3	57.8	47.8
03:00-04:00	44.3	51.4	50.2	59.3	52.1
04:00-05:00	45.3	58.1	60.3	46.3	49.8
05:00-06:00	40.2	56.3	45.5	45.4	51.1

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables -7 - Behind S.S. - 11 (Silo) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	7 - Behind S.S. - 11 (Silo)				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	25/05/2020	09/06/2020	10/07/2020	11/08/2020	08/09/2020
6:00-7:00	56.8	48.3	50.8	55.6	59.1
7:00-8:00	41.5	50.0	58.7	56.4	52.2
8:00-9:00	51.5	51.2	61.3	58.9	56.4
9:00-10:00	47.3	58.6	62.1	44.4	44.9
10:00-11:00	61.5	42.7	68.2	50.9	45.8
11:00-12:00	48.9	52.5	55.2	46.2	48.9
12:00-13:00	51.8	42.8	47.7	45.9	50.7
13:00-14:00	66.1	47.6	48.9	51.2	52.1
14:00-15:00	47.2	54.8	57.4	56.4	53.4
15:00-16:00	45.8	60.6	55.6	55.2	58.1
16:00-17:00	50.2	47.7	46.6	50.6	50.1
17:00-18:00	44.1	51.8	48.8	48.2	56.3
18:00-19:00	45.7	55.1	68.1	52.4	55.0
19:00-20:00	58.1	52.1	51.6	50.9	52.1
20:00-21:00	60.0	55.4	54.1	50.1	59.8
21:00-22:00	44.3	50.4	57.2	55.2	51.6

Sampling Location	7 - Behind S.S. - 11 (Silo)				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	25/05/2020 & 26/05/2020	09/06/2020 & 10/06/2020	10/07/2020 & 11/07/2020	11/08/2020 & 12/08/2020	08/09/2020 & 09/09/2020
22:00-23:00	59.9	61.4	61.8	57.8	51.1
23:00-00:00	47.4	59.7	55.5	48.2	49.4
00:00-01:00	50.9	42.9	56.1	47.2	47.1
01:00-02:00	46.8	44.9	55.3	59.8	55.8
02:00-03:00	57.2	45.8	50.0	68.1	47.9
03:00-04:00	54.6	50.1	48.5	51.8	51.3
04:00-05:00	49.6	51.6	51.0	47.5	44.9
05:00-06:00	41.3	49.2	43.7	46.8	42.8

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 8 –Nr. S&S Entry Gate (Dahej Road) & Silo Loading Point Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	8 - Silo Loading Point				
	During Day Time - dB(A) Leq [#]				
Date of Monitoring	25/05/2020	10/06/2020	11/07/2020	12/08/2020	09/09/2020
6:00-7:00	48.6	56.8	61.9	52.9	57.1
7:00-8:00	55.8	40.8	47.2	50.0	45.8
8:00-9:00	51.3	51.5	45.5	48.9	50.8
9:00-10:00	45.5	47.3	55.8	52.1	44.9
10:00-11:00	64.3	61.0	48.7	50.2	59.1
11:00-12:00	54.2	48.9	56.9	59.4	57.1
12:00-13:00	47.5	51.3	49.8	50.7	47.9
13:00-14:00	57.1	66.1	53.1	44.8	46.8
14:00-15:00	46.9	47.2	58.8	51.8	50.1
15:00-16:00	45.6	46.0	46.8	46.4	51.2
16:00-17:00	48.0	50.5	47.0	54.6	58.1
17:00-18:00	50.4	44.1	50.9	51.1	59.9
18:00-19:00	51.1	45.2	53.8	48.9	42.8
19:00-20:00	49.2	60.0	47.4	45.4	47.4
20:00-21:00	47.9	44.6	51.7	42.1	51.2
21:00-22:00	48.5	40.6	55.0	40.6	50.8

Sampling Location	8 - Silo Loading Point				
	During Night Time - dB(A) Leq [#]				
Date of Monitoring	25/05/2020 & 26/05/2020	10/06/2020 & 11/06/2020	11/07/2020 & 12/07/2020	12/08/2020 & 13/08/2020	09/09/2020 & 10/09/2020
22:00-23:00	55.1	56.2	60.7	49.8	50.0
23:00-00:00	48.1	48.3	52.3	44.6	51.1
00:00-01:00	50.7	46.6	50.8	48.4	48.4
01:00-02:00	63.2	51.8	48.2	59.1	42.9
02:00-03:00	44.7	50.2	51.9	50.7	49.1
03:00-04:00	51.4	57.4	42.4	67.8	52.2
04:00-05:00	57.5	46.2	58.4	53.1	59.2
05:00-06:00	56.2	47.9	60.1	41.1	47.8

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables -9 - GCPTL Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	9 - GCPTL Gate				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	26/05/2020	11/06/2020	13/07/2020	13/08/2020	10/09/2020
6:00-7:00	52.2	52.2	51.5	40.6	60.0
7:00-8:00	55.3	55.3	58.6	45.2	50.1
8:00-9:00	47.8	47.8	45.7	61.1	54.8
9:00-10:00	48.4	48.4	48.5	66.2	51.2
10:00-11:00	50.7	50.6	60.8	67.8	44.9
11:00-12:00	51.4	51.1	50.4	50.6	59.1
12:00-13:00	48.2	48.5	44.9	47.8	46.2
13:00-14:00	49.8	49.8	54.8	50.1	56.1
14:00-15:00	68.1	68.0	47.8	57.9	54.2
15:00-16:00	58.3	58.4	58.3	45.8	51.1
16:00-17:00	45.4	46.1	53.2	46.9	47.9
17:00-18:00	44.9	44.9	69.3	43.1	57.2
18:00-19:00	47.1	48.0	61.0	44.9	48.9
19:00-20:00	46.5	46.8	42.8	42.4	45.9
20:00-21:00	47.0	55.7	52.4	69.8	56.4
21:00-22:00	46.8	52.3	57.1	67.1	57.8

Sampling Location	9 - GCPTL Gate				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	26/05/2020 & 27/05/2020	11/06/2020 & 12/06/2020	13/07/2020 & 14/07/2020	13/08/2020 & 14/08/2020	10/09/2020 & 11/09/2020
22:00-23:00	61.4	46.9	59.5	45.8	50.6
23:00-00:00	65.3	44.8	67.2	50.8	47.9
00:00-01:00	42.9	57.1	51.2	68.9	49.8
01:00-02:00	44.6	55.7	48.9	54.8	51.4
02:00-03:00	45.8	59.1	64.1	42.9	48.1
03:00-04:00	58.1	44.3	68.1	51.2	55.2
04:00-05:00	50.0	46.8	55.4	52.3	50.4
05:00-06:00	51.6	51.1	40.8	44.9	54.1

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 10 - Lakhi Village (Primary School) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	10 - Lakhi Village (Primary School)				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	26/05/2020	12/06/2020	14/07/2020	14/08/2020	11/09/2020
6:00-7:00	45.9	45.9	56.1	60.1	46.8
7:00-8:00	51.2	61.3	57.9	47.2	54.2
8:00-9:00	54.3	50.1	55.5	55.8	59.1
9:00-10:00	50.1	46.3	60.2	56.4	50.1
10:00-11:00	44.5	53.4	57.5	62.2	48.9
11:00-12:00	44.6	59.6	54.3	47.8	46.8
12:00-13:00	54.8	56.2	47.9	48.1	50.0
13:00-14:00	69.2	53.5	44.2	56.4	57.9
14:00-15:00	46.3	49.4	51.9	50.2	57.8
15:00-16:00	46.4	48.8	45.8	49.1	58.2
16:00-17:00	59.6	53.2	61.2	55.8	52.4
17:00-18:00	53.1	48.2	65.9	58.4	44.9
18:00-19:00	56.2	68.1	43.7	55.6	49.2
19:00-20:00	48.7	58.3	48.3	46.9	56.9
20:00-21:00	49.4	55.6	50.1	47.2	53.1
21:00-22:00	53.4	40.9	58.2	60.9	54.6

Sampling Location	10 - Lakhi Village (Primary School)				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	26/05/2020 & 27/05/2020	12/06/2020 & 13/06/2020	14/07/2020 & 15/07/2020	14/08/2020 & 15/08/2020	11/09/2020 & 12/09/2020
22:00-23:00	49.2	50.6	41.9	45.9	58.1
23:00-00:00	49.1	49.4	58.1	60.0	56.2
00:00-01:00	43.4	55.1	55.1	48.4	47.5
01:00-02:00	47.9	49.9	49.5	42.9	41.9
02:00-03:00	52.3	45.6	59.2	50.8	46.8
03:00-04:00	54.4	50.0	54.2	45.8	57.2
04:00-05:00	59.2	52.4	43.8	54.3	55.1
05:00-06:00	48.8	56.8	65.1	48.3	50.6

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables -11 - ERMS Workshop Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	11 - ERMS Workshop				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	27/05/2020	13/06/2020	15/07/2020	15/08/2020	12/09/2020
6:00-7:00	58.1	40.9	67.1	58.1	59.1
7:00-8:00	40.7	47.7	49.8	40.9	48.9
8:00-9:00	55.5	50.8	54.5	44.8	50.0
9:00-10:00	47.4	68.1	51.5	51.3	58.1
10:00-11:00	50.2	44.2	47.8	60.1	44.9
11:00-12:00	61.4	47.9	61.1	50.6	54.2
12:00-13:00	50.9	50.2	55.8	55.6	60.1
13:00-14:00	41.9	59.9	50.7	56.1	65.2
14:00-15:00	50.0	44.7	44.2	58.9	42.9
15:00-16:00	47.6	51.3	50.1	42.9	68.1
16:00-17:00	68.2	55.9	47.5	48.1	54.2
17:00-18:00	49.4	52.8	60.8	56.4	57.1
18:00-19:00	44.7	53.9	44.5	59.8	47.9
19:00-20:00	47.9	45.9	51.4	54.8	65.1
20:00-21:00	50.7	55.4	54.6	56.4	49.2
21:00-22:00	51.7	46.6	59.4	42.9	53.2

Sampling Location	11 - ERMS Workshop				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	27/05/2020 & 28/05/2020	13/06/2020 & 14/06/2020	15/07/2020 & 16/07/2020	15/08/2020 & 16/08/2020	12/09/2020 & 13/09/2020
22:00-23:00	40.6	45.3	49.5	50.6	56.2
23:00-00:00	44.3	52.3	52.8	49.6	47.9
00:00-01:00	60.2	54.1	53.4	58.1	48.8
01:00-02:00	55.2	48.5	45.2	46.8	50.3
02:00-03:00	54.7	50.5	59.6	45.6	51.2
03:00-04:00	42.6	42.8	58.4	50.0	61.1
04:00-05:00	45.3	50.8	42.9	52.4	49.4
05:00-06:00	46.5	45.7	45.7	56.8	56.0

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 12 - Behind Pump House Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	12 - Behind Pump House				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	27/05/2020	15/06/2020	16/07/2020	17/08/2020	14/09/2020
6:00-7:00	51.4	60.2	46.5	45.9	48.9
7:00-8:00	67.1	47.3	48.9	51.3	50.4
8:00-9:00	55.7	55.5	51.9	50.1	57.2
9:00-10:00	52.9	58.7	60.5	40.3	49.4
10:00-11:00	44.8	62.2	56.4	50.2	60.1
11:00-12:00	51.3	47.8	60.2	51.1	67.2
12:00-13:00	60.4	50.4	48.6	48.2	44.9
13:00-14:00	48.5	56.6	52.8	49.8	50.3
14:00-15:00	55.3	49.2	48.3	68.1	58.2
15:00-16:00	60.5	55.8	56.5	58.3	59.1
16:00-17:00	53.4	58.4	50.9	45.9	49.4
17:00-18:00	47.5	55.7	48.7	44.9	65.1
18:00-19:00	49.5	46.7	65.9	47.9	42.9
19:00-20:00	53.2	47.2	55.2	46.8	61.3
20:00-21:00	44.5	60.1	51.8	55.6	47.8
21:00-22:00	59.4	50.3	46.7	52.3	42.9

Sampling Location	12 - Behind Pump House				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	27/05/2020 & 28/05/2020	15/06/2020 & 16/06/2020	16/07/2020 & 17/07/2020	17/08/2020 & 18/08/2020	14/09/2020 & 15/09/2020
22:00-23:00	45.7	45.6	48.5	46.9	68.1
23:00-00:00	60.0	60.6	55.6	44.8	50.3
00:00-01:00	54.2	69.2	44.2	57.1	49.4
01:00-02:00	48.7	54.8	52.6	55.6	42.9
02:00-03:00	65.1	42.7	51.5	59.1	58.1
03:00-04:00	42.9	51.2	60.3	44.3	56.0
04:00-05:00	47.3	51.3	46.2	46.8	54.2
05:00-06:00	51.0	44.9	48.4	51.1	44.8

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 13 - Rock Bond Approach (Jetty) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	13 - Rock Bond Approach (Jetty)				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	28/05/2020	16/06/2020	17/07/2020	18/08/2020	15/09/2020
6:00-7:00	61.2	40.5	58.4	56.8	60.2
7:00-8:00	51.6	45.6	52.2	40.8	48.9
8:00-9:00	42.8	61.1	51.6	51.5	50.3
9:00-10:00	47.3	66.2	46.9	47.3	55.4
10:00-11:00	53.8	67.8	60.9	61.1	59.2
11:00-12:00	44.3	50.6	48.5	48.9	49.4
12:00-13:00	65.1	57.8	51.7	51.1	51.0
13:00-14:00	55.8	50.1	50.3	66.1	57.3
14:00-15:00	48.6	57.4	46.2	47.2	65.1
15:00-16:00	42.9	45.7	47.6	45.9	44.9
16:00-17:00	61.3	46.5	57.6	50.1	48.8
17:00-18:00	66.2	43.9	65.4	44.1	53.9
18:00-19:00	50.5	44.5	56.2	45.9	58.1
19:00-20:00	46.8	42.4	49.5	60.6	64.2
20:00-21:00	55.6	69.1	52.5	40.9	59.1
21:00-22:00	45.4	69.6	50.0	44.8	54.9

Sampling Location	13 - Rock Bond Approach (Jetty)				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	28/05/2020 & 29/05/2020	16/06/2020 & 17/06/2020	17/07/2020 & 18/07/2020	18/08/2020 & 19/08/2020	15/09/2020 & 16/09/2020
22:00-23:00	52.3	46.9	52.7	56.2	51.2
23:00-00:00	64.5	44.7	48.8	48.3	55.3
00:00-01:00	54.8	48.4	47.5	51.8	61.1
01:00-02:00	47.2	44.5	54.2	50.2	49.2
02:00-03:00	50.8	67.7	60.5	57.1	42.9
03:00-04:00	42.5	50.2	48.7	46.8	56.2
04:00-05:00	51.2	55.3	44.3	47.9	50.1
05:00-06:00	59.9	53.2	50.6	48.3	68.1

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables -14 - New Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	14 - New Gate				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	28/05/2020	17/06/2020	18/07/2020	19/08/2020	16/09/2020
6:00-7:00	54.1	52.9	49.9	48.2	57.1
7:00-8:00	44.2	51.0	51.3	50.0	60.2
8:00-9:00	48.2	48.8	55.4	51.2	55.3
9:00-10:00	61.1	52.1	68.9	58.6	59.2
10:00-11:00	55.4	50.0	49.7	42.8	48.9
11:00-12:00	47.8	59.4	50.8	52.3	50.4
12:00-13:00	53.1	50.7	52.6	42.3	48.5
13:00-14:00	50.6	44.8	48.4	47.6	68.1
14:00-15:00	51.8	51.8	51.2	56.8	49.4
15:00-16:00	45.9	46.4	60.3	60.6	57.2
16:00-17:00	42.5	54.6	44.7	47.6	53.1
17:00-18:00	67.8	51.5	53.1	51.8	59.1
18:00-19:00	49.1	48.9	47.2	55.1	70.1
19:00-20:00	51.2	45.4	46.4	52.4	44.9
20:00-21:00	46.6	42.1	56.1	55.4	54.0
21:00-22:00	52.2	40.6	42.8	50.1	42.8

Sampling Location	14 - New Gate				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	28/05/2020 & 29/05/2020	17/06/2020 & 18/06/2020	18/07/2020 & 19/07/2020	19/08/2020 & 20/08/2020	16/09/2020 & 17/09/2020
22:00-23:00	46.7	69.0	51.4	61.4	67.1
23:00-00:00	51.4	58.7	45.4	69.2	55.2
00:00-01:00	64.6	53.5	62.8	42.9	47.9
01:00-02:00	57.2	57.2	45.8	44.9	45.8
02:00-03:00	54.3	59.8	55.9	45.5	61.1
03:00-04:00	41.9	69.3	44.8	50.0	58.1
04:00-05:00	45.6	51.4	45.3	51.6	53.1
05:00-06:00	48.5	47.6	48.3	49.2	50.4

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 15 - Security Barrier Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	15 - Security Barrier Gate				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	29/05/2020	18/06/2020	20/07/2020	20/08/2020	17/09/2020
6:00-7:00	60.1	55.1	65.1	47.2	61.1
7:00-8:00	47.2	56.4	44.3	61.3	58.2
8:00-9:00	48.4	58.9	55.3	50.7	54.3
9:00-10:00	57.2	44.9	60.1	48.1	59.2
10:00-11:00	68.1	50.5	49.2	51.5	60.1
11:00-12:00	48.7	46.9	50.2	50.1	48.8
12:00-13:00	50.1	45.8	52.3	58.1	55.3
13:00-14:00	51.5	51.1	44.4	55.6	47.4
14:00-15:00	57.4	55.6	48.2	45.6	50.3
15:00-16:00	46.5	55.2	55.1	44.9	57.4
16:00-17:00	50.8	51.2	42.6	59.1	44.9
17:00-18:00	44.9	48.4	46.8	42.1	58.3
18:00-19:00	58.9	52.4	57.2	48.8	48.9
19:00-20:00	45.7	50.9	61.3	50.0	62.3
20:00-21:00	56.4	51.6	45.6	45.9	56.2
21:00-22:00	49.2	55.3	53.2	46.6	47.9

Sampling Location	15 - Security Barrier Gate				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	29/05/2020 & 30/05/2020	18/06/2020 & 19/06/2020	20/07/2020 & 21/07/2020	20/08/2020 & 21/08/2020	17/09/2020 & 18/09/2020
22:00-23:00	45.8	51.6	47.4	55.1	48.2
23:00-00:00	44.6	45.8	53.8	48.1	51.2
00:00-01:00	61.9	44.6	64.5	50.7	60.2
01:00-02:00	59.8	53.3	52.1	67.1	58.8
02:00-03:00	44.2	57.9	50.8	45.9	46.9
03:00-04:00	46.9	59.2	56.8	51.4	48.9
04:00-05:00	59.4	46.4	41.9	58.1	60.1
05:00-06:00	58.1	45.2	49.1	56.2	54.1

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 16 - JS-2 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	16 - JS-2				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	29/05/2020	19/06/2020	21/07/2020	21/08/2020	18/09/2020
6:00-7:00	51.2	69.1	48.4	68.1	55.1
7:00-8:00	55.8	45.4	51.8	48.2	61.2
8:00-9:00	41.3	44.6	62.6	50.0	47.9
9:00-10:00	60.8	47.6	44.5	51.2	58.4
10:00-11:00	67.5	60.3	53.6	58.6	60.1
11:00-12:00	50.2	55.9	49.8	42.8	44.9
12:00-13:00	57.4	44.4	45.2	52.2	57.1
13:00-14:00	46.5	45.9	48.7	42.8	68.0
14:00-15:00	43.4	50.7	51.5	47.6	54.2
15:00-16:00	50.8	52.8	48.6	54.8	47.8
16:00-17:00	53.2	49.9	54.2	60.6	59.1
17:00-18:00	48.5	51.9	46.5	47.6	50.3
18:00-19:00	50.3	59.9	54.0	51.8	51.4
19:00-20:00	42.9	47.2	44.6	55.1	46.9
20:00-21:00	46.4	51.2	49.7	52.4	42.8
21:00-22:00	48.7	59.6	53.4	50.1	54.1

Sampling Location	16 - JS-2				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	29/05/2020 & 30/05/2020	19/06/2020 & 20/06/2020	21/07/2020 & 22/07/2020	21/08/2020 & 22/08/2020	18/09/2020 & 19/09/2020
22:00-23:00	50.5	69.1	60.9	59.6	53.1
23:00-00:00	48.4	50.4	59.1	47.4	49.2
00:00-01:00	67.1	55.4	44.1	50.9	48.3
01:00-02:00	49.8	50.7	50.3	46.8	55.1
02:00-03:00	40.9	59.4	58.2	54.6	58.9
03:00-04:00	52.1	53.1	48.9	49.8	60.1
04:00-05:00	53.1	50.3	50.1	42.8	44.9
05:00-06:00	58.9	47.3	53.2	56.2	49.4

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 17 - Railway Dead End Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	17 - Railway Dead End				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	30/05/2020	20/06/2020	22/07/2020	22/08/2020	19/09/2020
6:00-7:00	59.2	42.6	51.9	59.1	52.1
7:00-8:00	58.3	53.4	55.3	42.1	47.9
8:00-9:00	51.9	50.1	47.5	52.9	61.1
9:00-10:00	62.2	58.4	50.4	48.9	59.2
10:00-11:00	60.5	47.9	48.1	50.1	58.1
11:00-12:00	48.3	60.2	61.2	67.7	44.9
12:00-13:00	59.3	50.5	52.4	51.2	50.1
13:00-14:00	51.1	48.4	58.3	61.1	53.4
14:00-15:00	58.4	51.7	60.2	45.9	47.9
15:00-16:00	44.3	52.9	54.1	60.0	60.0
16:00-17:00	45.3	49.4	45.6	42.8	42.9
17:00-18:00	50.4	51.5	49.2	40.9	48.9
18:00-19:00	68.4	47.8	43.8	52.3	51.2
19:00-20:00	48.1	48.2	45.3	53.4	50.1
20:00-21:00	43.9	55.3	56.3	56.2	49.9
21:00-22:00	56.4	50.6	68.6	47.9	50.0

Sampling Location	17 - Railway Dead End				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	30/05/2020 & 31/05/2020	20/06/2020 & 21/06/2020	22/07/2020 & 23/07/2020	22/08/2020 & 23/08/2020	19/09/2020 & 20/09/2020
22:00-23:00	67.5	50.9	50.2	44.8	56.1
23:00-00:00	43.2	44.4	40.9	57.1	47.4
00:00-01:00	55.4	59.3	65.4	55.6	58.1
01:00-02:00	50.7	55.2	42.8	69.1	56.2
02:00-03:00	44.8	46.4	60.8	44.3	49.2
03:00-04:00	64.2	50.4	45.9	46.8	45.0
04:00-05:00	57.8	54.6	54.8	51.1	54.0
05:00-06:00	42.8	60.1	44.0	42.8	69.1

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables -18 - S and S Yard (South) and Open Storage Yard – 1 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A) Leq for the period of April 2020 to September 2020

Sampling Location	18 – Open Storage Yard – 1				
	During Day Time - dB(A) Leq [#]				
Date of Monitoring	30/05/2020	22/06/2020	23/07/2020	24/08/2020	21/09/2020
6:00-7:00	46.2	50.9	51.4	49.4	51.5
7:00-8:00	56.1	44.2	48.2	53.4	58.1
8:00-9:00	51.3	61.3	50.1	44.9	46.9
9:00-10:00	46.9	58.5	45.1	42.8	58.5
10:00-11:00	50.5	51.8	52.3	41.9	48.8
11:00-12:00	51.4	44.5	42.6	52.4	51.0
12:00-13:00	55.5	61.1	47.3	42.8	47.9
13:00-14:00	58.8	50.2	53.2	47.9	65.1
14:00-15:00	45.5	45.8	52.8	61.1	61.2
15:00-16:00	47.4	54.4	56.8	50.0	50.0
16:00-17:00	44.8	57.2	51.6	44.9	55.1
17:00-18:00	69.9	55.1	47.2	40.9	50.0
18:00-19:00	46.8	52.2	46.9	51.3	44.9
19:00-20:00	48.6	56.6	44.3	48.9	59.1
20:00-21:00	44.9	49.2	42.8	49.9	48.9
21:00-22:00	54.8	46.7	45.7	47.6	42.8

Sampling Location	18 – Open Storage Yard – 1				
	During Night Time - dB(A) Leq [#]				
Date of Monitoring	30/05/2020 & 31/05/2020	22/06/2020 & 23/06/2020	23/07/2020 & 24/07/2020	24/08/2020 & 25/08/2020	21/09/2020 & 22/09/2020
22:00-23:00	51.1	42.9	52.9	61.8	61.1
23:00-00:00	47.6	45.4	48.1	50.7	58.2
00:00-01:00	60.4	48.9	51.8	44.8	47.4
01:00-02:00	59.3	51.1	47.6	49.2	50.1
02:00-03:00	51.6	59.9	50.4	42.9	45.9
03:00-04:00	42.1	48.1	52.2	45.4	54.4
04:00-05:00	50.3	58.1	54.3	54.6	65.2
05:00-06:00	54.6	58.9	42.4	57.1	57.1

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables -19 -S & S Yard (North) Boundary Wall Loco Shed Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	19 – Loco Shed				
	During Day Time - dB(A) Leq [#]				
Date of Monitoring	31/05/2020	23/06/2020	24/07/2020	25/08/2020	22/09/2020
6:00-7:00	56.2	40.8	50.6	48.2	59.2
7:00-8:00	47.6	65.1	50.8	58.1	54.1
8:00-9:00	60.4	55.8	60.9	55.4	69.1
9:00-10:00	48.2	48.6	68.1	52.6	46.9
10:00-11:00	55.4	42.8	45.9	42.9	52.8
11:00-12:00	50.7	48.3	56.5	47.9	44.9
12:00-13:00	54.3	46.4	40.6	60.0	58.1
13:00-14:00	53.9	56.5	55.2	46.6	62.1
14:00-15:00	57.3	43.9	46.8	62.1	50.1
15:00-16:00	60.2	44.9	50.0	50.0	50.0
16:00-17:00	54.9	57.4	54.6	44.9	55.6
17:00-18:00	47.5	57.1	58.4	60.0	48.8
18:00-19:00	68.1	52.1	47.8	40.9	54.2
19:00-20:00	45.4	50.3	52.6	40.9	60.0
20:00-21:00	57.5	52.3	44.4	52.3	52.8
21:00-22:00	52.9	45.6	56.9	55.6	45.9

Sampling Location	19 – Loco Shed				
	During Night Time - dB(A) Leq [#]				
Date of Monitoring	31/05/2020 & 01/06/2020	23/06/2020 & 24/06/2020	24/07/2020 & 25/07/2020	25/08/2020 & 26/08/2020	22/09/2020 & 23/09/2020
22:00-23:00	47.8	55.9	56.1	45.4	52.1
23:00-00:00	48.1	54.2	48.6	42.9	47.9
00:00-01:00	61.1	57.8	44.6	50.7	58.2
01:00-02:00	55.1	51.7	60.1	47.8	42.9
02:00-03:00	43.6	55.1	62.3	58.1	68.1
03:00-04:00	50.6	43.6	45.6	45.6	57.1
04:00-05:00	47.4	52.9	40.2	45.7	44.9
05:00-06:00	60.1	47.4	63.1	52.4	52.8

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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Tables - 20 - Lakhi Village (Below Conveyer Belt) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April 2020 to September 2020

Sampling Location	20 - Lakhi Village (Below Conveyer Belt)				
	During Day Time - dB(A)Leq [#]				
Date of Monitoring	31/05/2020	24/06/2020	25/07/2020	26/08/2020	23/09/2020
6:00-7:00	50.1	58.1	50.2	52.6	46.5
7:00-8:00	47.9	40.9	45.5	60.0	54.8
8:00-9:00	50.9	44.8	58.2	46.6	58.1
9:00-10:00	52.8	51.3	47.6	58.5	42.9
10:00-11:00	59.4	60.1	60.1	48.4	55.2
11:00-12:00	52.3	50.8	55.1	40.6	49.3
12:00-13:00	53.4	55.6	45.8	50.0	59.1
13:00-14:00	45.6	50.4	47.4	44.9	53.9
14:00-15:00	47.8	58.9	66.1	60.0	60.1
15:00-16:00	50.0	50.0	65.1	40.9	40.9
16:00-17:00	55.6	42.9	42.9	52.3	49.1
17:00-18:00	57.2	48.1	56.7	55.6	56.1
18:00-19:00	44.2	56.8	44.8	49.4	47.9
19:00-20:00	47.2	59.8	58.1	53.4	57.1
20:00-21:00	48.4	54.8	50.3	47.9	48.9
21:00-22:00	57.1	56.4	41.8	51.1	50.4

Sampling Location	20 - Lakhi Village (Below Conveyer Belt)				
	During Night Time - dB(A)Leq [#]				
Date of Monitoring	31/05/2020 & 01/06/2020	24/06/2020 & 25/06/2020	25/07/2020 & 26/07/2020	26/08/2020 & 27/08/2020	23/09/2020 & 24/09/2020
22:00-23:00	45.9	47.8	47.8	51.3	49.2
23:00-00:00	48.3	45.9	51.2	61.1	58.3
00:00-01:00	51.8	58.2	40.8	45.0	45.4
01:00-02:00	55.3	51.8	52.3	62.1	55.3
02:00-03:00	42.4	50.6	60.2	45.6	42.9
03:00-04:00	52.9	52.4	49.2	50.3	53.9
04:00-05:00	49.4	49.3	51.3	58.3	45.9
05:00-06:00	51.5	51.5	56.2	56.8	50.4

Note: Monitoring was not done due to COVID-19 from 28th March 2020 to 18th May 2020

[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

Observation: Above given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.



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3H. DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -

Table No.: 3H.1 – DG Sets Stack Emission Monitoring Results for the period: April-2020 to September-2020

Sr. No.	Parameters	Unit	DG Set # 1 MRSS (SS5)		DG Set # 2 (SS7B)		DG Set # 3 Marine (SS8)		DG Set # 4 Silo (SS11)	
			26/05/2020	22/08/2020	26/05/2020	22/08/2020	26/05/2020	22/08/2020	26/05/2020	22/08/2020
1	Particulate Matter	mg/Nm ³	24.37	20.44	16.84	12.51	26.74	23.42	19.42	16.64
2	Sulphur Dioxide	ppm	4.53	5.49	6.96	4.81	8.70	6.21	5.28	4.37
3	Oxide of Nitrogen	ppm	26.42	31.23	29.36	26.60	33.73	30.45	35.81	28.37
4	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Carbon Monoxide (CO)	mg/m ³	5.82	8.59	8.29	6.25	6.13	8.44	9.32	6.36

Table No.: 3H.2 - DG Sets Noise Level Monitoring Results for the period: April-2020 to September-2020

Sr. No.	DG Set Average Noise Level In Leq. dB(A)		
	Sampling Location		At 1 m from the enclose outside
	Sampling Date		
		26/05/2020	22/08/2020
1.	DG Set # 1MRSS (SS5)	73.6	72.9
2.	DG Set # 2 SS7B	72.5	73.5
3.	DG Set # 3Marine (SS8)	71.8	72.6
4.	DG Set # 4Silo (SS11)	72.6	71.8



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Annexure-4: Compliance Status of EMP as mentioned in the EIA study For Phase-III Expansion of Adani Petronet (Dahej) Port Pvt. Ltd., September' 2020

S. No.	EMP Conditions	Compliance Status
A.	ENVIRONMENTAL MANAGEMENT PLAN (CONSTRUCTION PHASE)	
1.1	Air Quality Management Plan	
	Dust suppression systems will be installed for fugitive dust emission control while undertaking civil works.	Complying with. Water sprinkler and mist canon is being used to suppress the fugitive dust during construction activity.
	Regular wetting of roads will be undertaken on the paved and unpaved artillery roads.	Complying with. Regular wetting of roads is undertaken on the paved and unpaved arterial roads.
	Vehicle tyre washing facilities will be provided at the entrance to prevent spillover of dust sticking on tyre outside the facility.	Complied Vehicle tyre washing system has been provided.
	Construction materials kept in open area will be provided with barrier in order to prevent wind carryover of dust.	Complying with. Construction material is being kept in a secure area.
	Construction materials transportation in and outside the port will be appropriately covered to prevent fugitive dust emissions.	Complying with. Material transportation is being done through trucks covered with tarpaulin.
	Civil and Mechanical fabrication works will be carried out within the port facility at an appropriate location to avoid impact on the local air quality at project construction site.	Complying with. Civil and Mechanical fabrication is being done within the port premises.
	All construction equipment's at site will be subjected to regular maintenance to minimize the vehicle exhaust.	Complying with. All vehicles are being regularly maintained to minimize the vehicle exhaust.
	All trucks deployed at site will be a provided with fitness and pollution under control certificate.	Complying with. All vehicles are being checked for PUC.
	DG set with appropriate stack height as per CPCB guidelines for effective dispersion of pollutants shall be provided.	Complying with. All DG sets (standby source) are provided with stack height in compliance to the CPCB standards.
1.2	Noise Quality Management Plan	
	DG set with acoustic enclosure will be installed for power supply to construction activities.	Complying with. All DG sets (standby source) are provided with acoustic enclosures.
	All high decibel noise generating equipment's should be repaired to meet the compliance noise level.	Complying with. Noise generating equipment's are provided with acoustic enclosures.
	No activity involving with high intensity and magnitude of operation should be deployed. Silencers will be provided in Vehicle exhaust.	Complying with. <ul style="list-style-type: none"> All construction and operation activities are in compliance with the Noise level Norms. Monitoring of noise level is being done by M/s Pollucon Laboratories, NABL accredited and MoEF&CC recognized laboratory. Monitoring reports are presented in the Annexure 3G.

S. No.	EMP Conditions	Compliance Status
	Onsite fabrication activities will be undertaken at a designated location, which should be located away from the office buildings and any other working areas.	Complying with. Separate designated fabrication yard has been provided.
	In case noise emissions from the fabrication activities exceed a level of 85 dB(A) at the fence-line of the fabrication yard, temporary noise barrier will be installed.	Complying with. <ul style="list-style-type: none"> There is no occasion till date for exceeding the noise level at the port boundary. Persons working in the fabrication yard are provided with PPEs.
	Portable diesel engine generators and diesel engine driven compressors, if any, will be covered with acoustic enclosures.	Complying with. All noise generating equipment's are provided with acoustic enclosures.
1.3	Sewage Management Plan	
	Sewage generated from the construction site will be treated in existing STP of 27 m ³ capacity.	Complying with. Domestic effluent is being treated in STPs. The treated water confirming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from April' 2020 to September' 2020 are enclosed as Annexure –3F .
	Treated water will be used for green belt development / landscaping after achieving GPCB prescribed standards.	
1.4	Solid and Hazardous Waste Management Plan	
	Solid waste generated will be segregated at source for biodegradable and non-biodegradable with an option of reuse or recycle before disposal	Complying with. <ul style="list-style-type: none"> All solid waste is being segregated for biodegradable and non-biodegradable. Biodegradable waste is being decomposed in Bioneer and other waste is being disposed in compliance to the Solid Waste Management Rules - 2016.
	All hazardous waste generated will be categorized as per Hazardous Waste Management Rules, 2008.	Complying with. Hazardous waste is being managed in compliance to the Hazardous Waste Management Rules 2016.
	Recycle/Reuse waste will be sold to authorized recyclers	Complying with. Recyclable waste such as used oil, Discarded dram etc. is being sold to authorize recyclers only.
1.5	Construction Phase Storm Water Runoff	
	Existing storm water drainage network will be further strengthened and developed near the project site to prevent surface runoff to the sea.	Complying with. Storm water drainage system has been provided and regular maintenance is being done.
B.	ENVIRONMENTAL MANAGEMENT PLAN (OPERATION PHASE)	
2.1	Air Quality Management Plan - Coal Handling and Stock Yard Area:	
	Appropriate stack height will be provided to DG sets to disperse the gases into the atmosphere as per the guidelines suggested by Central Pollution Control Board.	Complying with. All DG sets (standby source) are provided with stack height in compliance to the CPCB standards.
	Existing Port has installed robust dry fog dust suppression system (DFDS) at the Jetty, conveyor belt, transfer tower, and discharge point at coal stack yard area. Various types of water spray nozzles have been installed and the	Complying with. All dust control systems are maintained and operating well.

S. No.	EMP Conditions	Compliance Status
	water spray is carried out through atomized water spray over the sources using compressors thereby controlling the fugitive dust effectively. Total number of nozzles installed in the port is 350 nos. It is recommended to maintain the same systems for the proposed project activities	
	At coal stack yard, 100 sprinklers have been installed to control fugitive coal dust emissions. At a time 4 sprinklers will be operated and consumes water around 3600 LPM. Similarly, for the proposed expansion of port from 11.7 to 23 MMTPA such a robust DFDS and Sprinklers will be installed and maintained with maximum efficiency.	Complying with. <ul style="list-style-type: none"> At coal stack yard, 130 sprinklers are maintained and operating well. Pavement of the additional storage area is completed. Installation of water sprinklers and other DSS measures will be complete before storage of coal.
	To prevent wind carryover of dust from coal stack yard, wind barrier have been erected around the coal stock pile area at a height of 14m from the ground level. The wind barrier is of galvanized sheet with perforated holes to withstand high velocity wind has been fitted in the structural beams and erected in solid foundation thereby effectively control the wind carryover of dust from the stock piles.	Shall be complied. Wind breaker of the same specification shall be provided in the additional storage area once completed.
	Road sweeping of dust is being undertaken using mobile van thereby preventing settled dust gets airborne due to movement of vehicles and high wind velocity and the same is recommended	Complying with. Two dust sweeping machines (mobile van) & one tractor weeping machine are working at site.
	High capacity vacuum cleaning machine installed at mobile truck is deployed for removal of dust settled on roads and the same practices will be implemented in the proposed project.	
	Regular wetting of the roads is undertaken through dedicated truck mounted spray arrangement with least water consumption. The same will be implemented in the proposed activities.	Complying with. Sprinkling of water is being done on the roads to control the dust.
2.2	Noise Control Management Plan	
	High speed rotating equipments such as gantry cranes motors, hydraulic systems will be installed within-built acoustic systems to maintain the noise decibel as per the manufacturer specifications	Shall be complied. Mechanization of the south jetty is yet to be done.
	DG sets installed in open area will be provided with acoustic enclosure	Complying with. DG sets installed in open area will be provided with acoustic enclosure
	Compressors and Diesel generators and pump house will be installed in separate building provided with noise absorbing materials on the walls	Complying with. Compressor and DG sets & Pump house are installed in separate building and provided with acoustic enclosures.
	Movement of vehicles within the port will be restricted with speed control measures	Complying with. <ul style="list-style-type: none"> Speed is limited within the port premises.

S. No.	EMP Conditions	Compliance Status
		<ul style="list-style-type: none"> Proper signage also provided within the premises.
	Using silent exhaustion pipes for major diesel engine vehicles and heavy trucks operated inside the port	Complying with. All major diesel engine vehicles and heavy trucks operated inside the port are with silent exhaust.
	Planting trees which acts as barrier to arrest dispersion of noise levels along the internal roads and port boundary	Complying with. Green belt is being developed in an area of 19.40 ha including periphery of the project boundary.
	Using electricity powered equipment inside the port instead of diesel powered ones will be explored to the extent possible	Complying with. Liebherr & Gottwald Crane, Stacking & Reclaiming Conveyor, BWSR equipment are using electricity powered instead of diesel powered inside the port.
	Change management process will be implemented to modify operation to address noise pollution if occurs	Complying with. APDPPL is certified with the ISO 14001:2015. A proper change management process in place for any kind of deviation. However, there is no occurrence of noise level exceeding norms.
2.3	Storm Water Management Plan	
	<p>Following areas will be provided with storm water drainage systems to prevent any surface run-off in to the sea.</p> <ul style="list-style-type: none"> Reclamation of 23 Ha back up area Coal stock pile development of 7.7 Ha area Railway siding area 	Complying with. Coal stock pile and Railway siding area are provided with storm water drainage. Reclamation of 23 Ha area is being done.
	<ul style="list-style-type: none"> The drainage water will be channeled through a series of sediment traps to remove the majority of the coal sediment before discharging into the natural drains. 	Complied with. Runoff from the coal storage is being routed through dump pond where all the particles settled down.
2.4	Solid & Hazardous Waste Management Plan	
	Port operator will prepare the robust waste management plan for the entire operations, process carried out during operation. As part of the plan, a scavenging boat will be anchored for collection of waste due to windblown in to the sea.	Complying with. A waste management plan is in place and a boat is provided to collect the waste blown due to high wind into the sea.
	In addition to the plan, the wastes that are expected to be generated will be disposed accordingly. The hazardous waste generated from the port operation will be disposed as per the HWM Rules 2008.	Complying with. All the wastes are being managed in compliance to the respective waste management rules as amended in 2016.
	Solid Waste generated during port operations will be disposed as per Solid Waste (Management & Handling) Rules 2000. Wherever possible the recycle and reuse will be explored for possibilities of recovery of any useful material. Option for recycle/reuse if not economical, then the waste will be disposed as per the SWM Rules, 2000.	
2.5	Green Belt Development Plan:	

S. No.	EMP Conditions	Compliance Status
	It is proposed to develop nearly 6 ha. of green cover all along the boundary of the port. Green Buffer Zone is being implemented at Eastern project site along the boundary. Saplings of Casuarina and Pedilanthus are planted along the coal stacking yards and periphery of port area.	Complying with. Three tier Green belt is being developed in an area of 19.40 ha including periphery of the project boundary.
	It is proposed to develop further three tier greenbelt to increase efficiency of dust control.	
2.6	Community Development Plan	
	<p>The proposed CSR programs are based on the needs felt and socioeconomic indicators of the study. The proposed CSR programs can be initially implemented in the five villages of the study area that is Lakhigam, Luvara, Jageshwar, Ambetha and Dahej. Based on the outcome of the CSR programs, it can be expanded to the other villages apart from the study area. The proposed CSR Programs can be grouped into the following subheadings.</p> <p>Health Promotions Programs</p> <ul style="list-style-type: none"> ✓ Health Camps and Health Awareness programs on Institutional Births and Immunization programs ✓ Mobile Clinic 	Complied. The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same are enclosed as Annexure – 2.
	<p>Education Promotion Programs</p> <ul style="list-style-type: none"> ✓ Providing sustenance funds for maintaining School Infrastructure like Drinking water Facilities, Sanitation facilities and providing supplies etc ✓ Providing scholarship programs ✓ Sport Coaching centre 	
	<p>Economic Development Programs</p> <ul style="list-style-type: none"> ✓ Knowledge centre regarding various government schemes and latest technology ✓ Skill Development Training Programs 	
	<p>Women Empowerment</p> <ul style="list-style-type: none"> ✓ Sanitation Promotion Programs ✓ Construction and Maintenance of Sanitation complex ✓ Awareness Programs 	
	<p>Infrastructure development Programs</p> <ul style="list-style-type: none"> ✓ Developing internal roads of villages ✓ Developing drainage systems ✓ Solar Street Lights ✓ Construction / Maintenance of Community Halls ✓ Social Forestry 	
2.7	Village Specific Infrastructure Development Programs:	

S. No.	EMP Conditions			Compliance Status
	S. No.	Village	Programs	
	1.	Luvara	Developing proper drainage system in the village.	
	2.	Dahej	Providing Safe Drinking water Facilities in the schools	
	3.	Dahej	Developing medical facilities in the PHC such as facilities for storage of perishable medicines,	
	4.	Jageshwar	Developing Drainage System	
	5.	Lakhigam	Developing Drainage System	
	6.	Lakhigam Luvara Jageshwar	Developing Solar Street Light and Internal Village Roads	
	7.	Ambetha	Developing Drainage System	
	8.	Study Area Villages	Mobile Clinic providing medical facilities in the villages of the study area by having periodic visits and health camps.	
	9.	Study Area Villages	Developing Safe Drinking facilities at Schools in the study area.	
	10.	Jageshwar	Providing training programs on latest technology of fishing, free fishing equipments and providing vocational training programme for alternate income source.	
2.8	Environmental Management Cell			
	APPPL has already established and maintained an Environmental Management Cell (EMC) with Head of Department (EHS), supported by field level executives and horticulturist for implementation of the compliance conditions as per Environmental Clearance obtained and GPCB Consent Conditions. Periodical monitoring activities are being undertaken by MoEF recognized and NABL accredited environmental laboratories. Environmental compliance reports are regularly submitted to MoEF regional office, Vadodara and New Delhi.			Complied. APDPPL has a well structured Environment Management Cell with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as Annexure – 7 .
	EMC will be further strengthened in view of the proposed expansion by augmenting resources such as manpower and field equipments, for effective compliance of environmental clearance conditions. Environmental monitoring program			

S. No.	EMP Conditions	Compliance Status
	will be undertaken by MoEF recognized and NABL accredited environmental laboratories as part of compliance report preparation and its submission to GPCB, MoEF Regional Office, Vadodara and New Delhi.	
2.9	Cost Estimates for Environmental Management Plan:	
	The estimated total cost of the proposed project is Rs.464.32 Crores. Under the project, about Rs.173.35 Crores is allocated towards pollution control equipment, implementation of environmental pollution control measures and environmental management programs.	<p>Complied.</p> <p>Separate budget is allocated for Environmental Management and Socio Economic activities.</p> <ul style="list-style-type: none"> • Key components of environment budget are environmental Monitoring, STP's (O&M), Closed Conveyor System Maintenance etc. The allocation of revenue budget for Environment Cell for the FY 2020-21 was approx. Rs. 365.24lacs. Details of the environmental budget and expenditure for the period April, 2020 to September, 2020 is enclosed as Annexure – 6.

**Annexure-II Adani Petronet (Dahej) Port Pvt. Ltd.
Green Zone**

Sr.no.	Location	Area in (Hect.)	Tree (No.)	Tree Spp.	Shrubs (Sq. Mt.)	Green Carpet (Sq.Mt.)	Palm	Remarks	FY
1	PMC office area Landscape / old pump house /Road side	0.45	500	Delonix regia/ Pelttoforum /casurina (3 x3 m)	1000	1500	25	Implemented	2010-11
		0.23	250	Cassia semia/peltoforum/conocarpus (3 x3 m)					
		0.20	450	Coconut spp./ fruit trees / Dragon fruit /boganvallia (1.5 x 3 m)					
	Back side lakhibaba temple &Boundry site plantation (phase -1)	0.39	1300	Casurina Equisitifolia (1.5x 2 m)	0	0		Implemented	2011-12
	Back side lakhibaba temple &Boundry site plantation (phase -1 a)	0.27	600	Casurina Equisitifolia (1.5x 3 m)	0	0	0		
	Total	1.54	3100		1000	1500	25	Implemented	
2	Gcptcl boudry wall site plantation (phase	1.35	6000	Casurina Equisitifolia (1.5x 1.5 m)				Implemented	2011-12
	APPPL office area (SS-7)	0.32	400	Delonix regia /peltoforum/conocarpus/neem (2x4 m)	800	8000	200		
	Gcptcl boudry wall site plantation (phase	0.11	500	eucalyptus/ conocarpus (1.5x 1.5 m)	0	0	0	Implemented	2012-2013
	Total	1.78	6900		800	8000	200		
3	LNG Site Boundry wall site plantation	0.90	4000	Casurina Equisitifolia /conocarpus(1.5x 1.5 m)	0		500	Implemented	2012-2013
4	Stack yard	0.68	3000	Casurina Equisitifolia/Eucalyptus /conocarpus(1.5x 1.5 m)	0	0	0		
	Total	1.58	7000		0	0	500		
5	Road site Avenue tree plantation	0.68	1500	Casurina Equisitifolia/Conocarpus (1.5x 3 m)	3000	200	200	Implimented	2013-2014
		1.44	1600	Conocarpus (3x3 m)					
		0.90	1500	Conocarpus (2x3m)					
	Total	3.02	4600.00		3000	200	200		
6	Main gate Area Perifery /EHS/Road side	0.24	525.00	Casurina Equisitifolia (1.5x 3 m)	3450	2500		Implemented	2014-15 2015-16
		0.35	220.00	Conocarpus (4x4 m)				Implemented	
		0.23	500.00	Golden Bamboo (1.5x 3 m)				Implemented	
		0.60	500	Azardirecta indica /peltoforum/ Casurina (3x 4 m)				Implemented	
		0.256	320	Conocarpus /Casurina/forest trees (2x4 m)				Implemented	
		0.324	810	Conocarpus /Casurina (2x 2 m)				Implemented	
	Total	2.0	2875.0		3450	2500	0		
7	Coal yard area /Railaway yard	0.15	255	Conocarpus /Casurina (2x 3 m)	0	0		Implemented	2016-17 2017-18
		1.13	5000	Casurina Equisitifolia/conocarpus (1.5x1.5 m)	0	0	2000		
		1.13	5000	Casurina Equisitifolia/conocarpus (1.5x 1.5m)		0			
	Total	2.40	10255.00		0	0			
	Permenant Godown area	0.36	1380	Shrubs and forest tree plantation	1500	2100	100	Implemented	2018-19
	Coal Yard Area	1.14	2861	Conocarpus /Casurina (2x 2 m)	1200	0	0	Implemented	
	Perifery road side	0.68	3000	eucalyptus /conocarpus(1.5x 1.5 m)	0	0		Implemented	

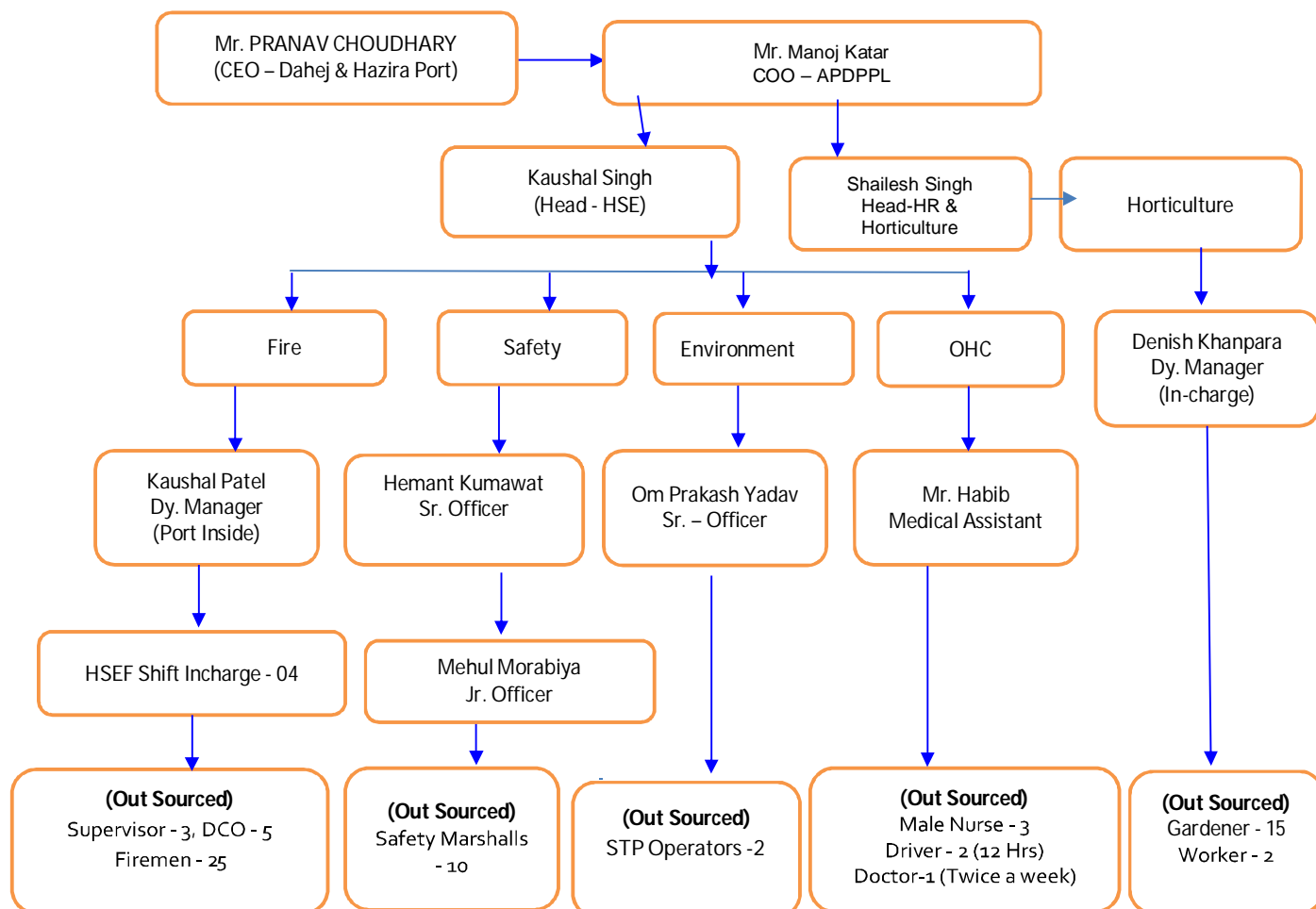
	Total	2.18	7241.00		2700.00	2100.00	2000.00		
8	Near J10 Junction	0.05	120	Conocarpus /Casurina (1 x 1 m)					2019-20
	Sea side New Development	0.27	1480	eucalyptus /conocarpu/ Bouganvallia/ shrubs (1x 1 m)	500				
	Marine Police Station	0.17	250	Azardirecta indica /peltoforum/ Casurina (3x 4 m)	200				
	Old pump house /silo area	0.11	480	Azardirecta indica /peltoforum/ Casurina (1.5x 1.5 m)					
	Port Yard Area	0.12	400	eucalyptus /conocarpus(0.80x 0.80m)					
	Ramji Temple Area / Lakhigam school	0.49	820	Azardirecta indica /peltoforum/ Casurina/conocarpus					
	Near ODC Gate	0.02	30	Psidium guajava (Guava) (1.5 x 1.5m)					
	Workshop area		50	azadirachta indica (1.5 x 1.5m)					
	Workshop area		30	peltophorum pterocarpum (1.5 x 1.5m)					
	Total	1.23	3660						
Trees Total Green Zone Area (Ha)		15.714450	45631.00		10950.00	14300.00	2925.00		
hrub/carpet /palm Total Green Zone Area (Ha)		3.695			1.095	1.43	1.17		
	Total Green Zone Area (Ha)	19.40945							

Annexure – 6: Environment Budget and Expenditure for the FY: 2020-21

S. NO.	ACTIVITY/ CATEGORY	BUDGET (IN LAC)	EXPENDITURE (IN LAC)
1.	EHS Manpower	7.0	3.43
2.	Legal & Statutory Expenses	5.0	4.0
3.	Environmental Monitoring Services	21.0	7.94
4.	Cost for Water Consumption and use dust suppression	104.7	31.56
5.	Hazardous Waste Management & Disposal	2.0	2.15
6.	Greenbelt Development and Plantation	43.64	17.0
7.	O&M of Sewage Treatment Plant	6.70	2.97
8.	Environment Day Celebration	0.10	0.10
9.	Treatment and Disposal of Bio-Medical Waste	2.0	0.96
10.	Operation and Maintenance of Road Cleaning equipment and manpower	56.72	27.31
11.	Operation and Maintenance of Fire staff engage in water sprinkling activity	79.38	20.30
14.	Environmental Study / Audit and Consultancy	5.0	3.07
15.	Bio Shield Project at village Malpur & Jambusar, Bharuch 1000m x 200m(1.0km)	7.0	6.78
16.	EHS Display Board	5.0	0.0
TOTAL AMOUNT (IN LACS)		345.24	127.39

CAPITAL EXPENDITURE			
S. NO.	ACTIVITY/ CATEGORY	BUDGET (IN LAC)	EXPENDITURE (IN LAC)
1.	Roof top rain water harvesting project	20.0	0.0
TOTAL AMOUNT (IN LACS)		20.0	0.0

TOTAL AMOUNT (IN LACS)	365.24	127.39
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Annexure - 7: Organogram of APDPPL - Environment Management Cell**ADANI PETRONET (DAHEJ) PORT PVT. LTD.****Department: QHSE Management Cell**

Details of Environment Cell				
S. No.	Name	Designation	Qualification	Work Experience
1.	Kaushal Singh	Dy. Manager -HSE	Dip-Mech, PGDFS, NEBOSH	13.5 Years
2.	Denish Khanpara	Dy. Manager (Horticulture)	B.Sc. Horticulture, Post Diploma In Environment Technology (PDIEMT)	13.5 Years
3.	Kaushal Patel	Dy. Manager (Fire)	B.Sc. Fire, Post Diploma In Environment Technology (PDIEMT)	15.5 Years
4.	Hemant Kumawat	Sr. Officer (Safety)	Dip – Mech, Dip. In Fire & Safety, NEBOSH	11 Years
5.	Om Prakash Yadav	Sr. Officer (Environment)	M.Sc. Environment Science	6.5 Years
6.	Mehul Morabiya	Jr. Officer	B.Sc. Fire & Safety, Advance Diploma in Industrial Safety, NEBOSH	10.5Years



GPCB

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)

CCA NO: AWH- 109820

NO: GPCB/BRCH-B/CCA-06(7)/ID-31664/

DT: _

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and control of pollution)-1981 and Authorization under rule 3(c) & 5(5) of the Hazardous waste (Management and Handling & Trans boundary movement) rules, 2008 framed under the Environmental (Protection) Act- 1986. This Board is empowered to Grant CC&A.

And whereas Board has received consolidated consent application letter No. 177366 dated 30.06.2020 for the Consolidated Consent and Authorization (CC & A) of this board under the provisions/ rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

CONSENTS AND AUTHORISATION

(Under the provisions/rules of the aforesaid environmental acts)

To,

M/s ADANI PETRONET (DAHEJ) PORT PVT LTD

AT & PO LAKHIGAM-392130

TAL- VAGRA,

DIST- BHARUCH.

- 1. Consent Order No. AWH- 109820 date of issue 19.10.2020**
- 2. The consents shall be valid up to 16/07/2025 for use of outlet for the discharge of trade effluent and emission due to operation of Port/ Jetty having facilities for storage and Distribution of Solid Cargo handling facility of 0.99 MMTPM at Adani Petronet (Dahej) Port Pvt. Ltd. Village: - Lakhigam - 392130, Tal: - Vagra, District: - Bharuch.**
- 3. SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS: -**
 - 3.1 The applicant shall comply with the Environment Protection Act- 1986, Hazardous Waste (Management, Handling & Transboundary Movement) Rule-2008, Forest (Conservation) Act - 1980 and Rule - 1981. The Petroleum and Minerals Pipeline (Acquisition of Right of User land) Act 1962**
 - 3.2 Necessary Clearance for the adequacy of safety measures shall be obtained from concerned authorities.**
 - 3.3 The applicant shall obtain necessary permission for acquisition of land for infrastructure Corridors (Rail & Road) from the concerned authorities.**
 - 3.4 On site - off site emergency plan & disaster management plan shall be prepared.**

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- 3.5 Application shall provide all required / adequate measures for controlling water pollution, air pollution and noise pollution resulting during construction phase & operation phase.
- 3.6 The applicant shall have to comply with the Manufacture, Storage and Import of Hazardous Chemicals Rule, 1989 framed under the Environment (Protection) Act-1986.
- 3.7 Adequate provisions infrastructure facilities such as water supply, road, sanitations etc. should ensure to avoid environmental degradation in the surrounding areas. These facilities should be brought into existence during the construction phase/ and will remain in existence therefore as per of the infrastructure built up in the area for local development purpose.
- 3.8 Adequate culverts should be provided in civil structures in the intertidal area to allow for freeflow of water.
- 3.9 All details regarding the mangrove belt and other forestation work must be worked out in consultation with the state forest department and details sent to GPCB.
- 3.10 Ground water extraction will not be allowed at any stage.
- 3.11 Adequate noise control measures should be ensured in various projects activities and due to increase in traffic, which is take place during construction and operation phase.
- 3.12 An organization structure should with latest R&D facilities and suitable equipment for environmental and forestry management activities through creation of environment management cell. Adequate funds should be earmarked for this cell.
- 3.13 To prevent discharge of bilge wastes sewage and other liquid wastes from the oil tankers/ships into marine environment, adequate system for collection treatment and disposal of waste must be provided as per provisions of MARPOL convention.
- 3.14 Solid waste shall be disposed of at approved landfill site.
- 3.15 All measures for control of environmental pollution shall be provided before putting the port terminal & storage facilities into operation and the responsibility for adhering to all norms of environment & pollution control shall rest with the project developer.
- 3.16 All design, contraction & operation philosophy as specified in the comprehensive marine environmental impact assessment will be adhered to.
- 3.17 A specific Oil Spill Response Plan shall be prepared before commissioning of the Project.

4. CONDITIONS UNDER THE WATER ACT: -

- 4.1 The quantity of total water consumption shall not exceed 4500 KL/day
- 4.2 The generation and disposal of the industrial effluent from the manufacturing process and other ancillary industrial operations shall be NIL.
- 4.3 The quantity of Sewage effluent from the factory shall not exceed 80KL/Day
- 4.4 The applicant shall provide adequate sewage treatment facilities in order to achieve the quality of the treated effluent.
- 4.5 Sewage shall be treated separately to conform to the following standards and utilized on land for irrigation / plantation.



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- 4.6 80 KL/Day domestic sewage shall be treated separately in sewage Treatment Plant (STP) to conform the following standards and treated sewage shall be utilized on land for irrigation/Plantation.

BOD (5 Days at 20°C)	Less than 20 mg/l
Total Suspended Solids (TSS)	Less than 30 mg/l
Residual Chlorine	Minimum 0.5 ppm

All efforts shall be made to remove colour & unpleasant odour as far as practicable.

- 4.7 The final treated effluent conforming to the above standards shall be discharged on land for irrigation plantation purpose within the premises only.

5 CONDITIONS UNDER THE AIR ACT: -

- 5.1 The following shall be used as fuel in D.G. Sets.

Sr. No.	Fuel	Quantity
1.	Diesel	12500 lit/day

- 5.2 The flue gas emission through stack attached to D.G. sets shall conform to the following standards.

Sr. No.	Stack attached to	Stack height (m)	APCM	Parameter	Permissible limit
1	DG set* 3000 KVA 4 nos. in phases	11m (for each DG)	--	PM	150 mg/NM3
2	DG set* 380 KVA 1 nos. in phases			SO2	100 ppm
3	DG set* 40 KVA 1 nos. in phases			NOX	50 ppm
4	DG set* 125 KVA 4 nos. in phases				

*It will be used only in case of failure of power supply.

- 5.3 There shall be no process emission from operation of Jetty having facilities for Storage and Distribution of Cargo handling.
- 5.4 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.

Sr. No.	Parameters	Permissible Limit (microgram /m ³)	
		Annual	24 Hours Average
1.	Particulate Matter (PM ₁₀)	60	100
2.	Particulate Matter (PM _{2.5})	40	60
3.	Oxides of Sulphur (SO _x)	50	80
4.	Oxides of Nitrogen (NO _x)	40	80

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- **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 08 hourly or 01 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.**

- 5.5 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.
- 5.6 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.
- 5.7 Unit shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 5.8 Unit shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

6 AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See role 3 (c) & 5 (5))

Form for grant of authorization for occupier or operator handling hazardous waste

6.1 Number of authorization: - AWH-109820.

- 6.2 M/s. Adani Petronet (Dahej) Port Pvt Ltd is hereby granted an authorization to operate facility for Following hazardous wastes on the premises situated at AT & PO- LAKHIGAM-392130, TAL- VAGRA, DIST-BHARUCH.

Sr. No.	Type of Waste	Quantity	Category	Mode of disposal
1.	Sludge and filters contaminated with oil	10 MT/Year	I-3.3	Collection, storage, Transportation and Disposal by sent to approved CHWIF/ co-processing facility
2.	Used /Spent Oil	20 MT/Year	5.1	Collection, storage, transportation and disposal by utilized for lubrications of machine s & remaining selling to register refiners/re-processors

Outward No: 571845, 01/11/2020



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3.	Wastes or residues containing Oil	10 MT/Year	I-5.2	Collection, storage, Transportation and Disposal by sent to approved CHWIF/co-processing facility
4.	Process wastes, residues & sludge(paint)	10 MT/Year	I-21.1	Collection, storage, Transportation and Disposal by sent to approved CHWIF/co-processing facility
5.	Empty barrels/containers/liners /contaminated with hazardous chemical/waste	10 MT/Year	I-33.1	Collection, Storage, Decontamination Transportation & disposal by selling to approved recyclers
6.	Contaminated cotton rags or other cleaning materials	10 MT/Year	I-33.2	Collection, storage, Transportation and Disposal by sent to approved CHWIF/co-processing facility

- 6.3 The authorization is granted to operate a facility for collection, storage, within the factory premises, transportation and ultimate disposal of Hazardous wastes as per mode of disposal mention in table above.
- 6.4 The authorization shall be in force for a period up to date **16/07/2025**.
- 6.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

7 TERMS AND CONDITIONS OF AUTHORISATION:


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

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- 7.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 7.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 7.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 7.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.
- 7.12 An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016.
- 7.13 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.
- 7.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 7.15 Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.
- 7.16 Unit shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.
- 7.17 Unit shall have to manage used or spent oil; empty or discarded barrels / containers / liners contaminated with hazardous chemicals / wastes, process waste as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986 and shall apply Authorization for all applicable waste.

**For and on behalf of
GUJARAT POLLUTION CONTROL BOARD**



(P.B. Patel)

Dy. ENVIRONMENT ENGINEER

Outward No:571845, 01/11/2020

CERTIFICATE OF APPROVAL

Issued by Indian Register Quality Systems
(A Division of IRCLASS Systems and Solutions Private Limited)

This is to certify that the Quality Management Systems of

Organisation: Adani Petronet (Dahej) Port Pvt. Ltd.

Address: At Post Lakhigam,
Near Dahej,
Taluka-Vagra,
Dist. Bharuch - 392 130,
Gujarat, India

has been assessed and found conforming to the following requirement

Standard: ISO 9001:2015

Scope: Providing Port Facilities for Receipt,
Storage and Handling of Solid Cargo

Certificate No.: IRQS/200100184

Original Certification Date : 07/03/2017

Current Date of Granting : 12/02/2020

Expiry Date : 05/03/2023



Indian Register Quality Systems



Shashi Nath Mishra

Head IRQS

This approval is subject to continued satisfactory maintenance of the Quality Management Systems of the organization to the above standard, which will be monitored by IRQS. The use of the Accreditation Mark indicates accreditation with respect to activities covered by the certificate with accreditation no. Ca71. Condition Overleaf

COA/IRQS/RQA/QMS/Rev 00

Head Office: 52A, Adi Shankaracharya Marg, Opp. Powai Lake, Powai, Mumbai - 400 072, India.

CERTIFICATE OF APPROVAL

Issued by Indian Register Quality Systems
(A Division of IRCLASS Systems and Solutions Private Limited)

This is to certify that the Environmental Management Systems of

Organisation: Adani Petronet (Dahej) Port Pvt. Ltd.

Address: At Post Lakhigam,
Near Dahej,
Taluka-Vagra,
Dist. Bharuch - 392 130,
Gujarat, India

has been assessed and found conforming to the following requirement

Standard: ISO 14001:2015

Scope: Providing Port Facilities for Receipt,
Storage and Handling of Solid Cargo

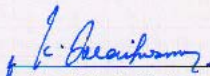
Certificate No.: IRQS/200300185

Original Certification Date : 07/03/2017

Current Date of Granting : 12/02/2020

Expiry Date : 05/03/2023





Shashi Nath Mishra

Head IRQS

This approval is subject to continued satisfactory maintenance of the Environmental Management Systems of the organization to the above standard, which will be monitored by IRQS. The use of the Accreditation Mark indicates accreditation with respect to activities covered by the certificate with accreditation no. CD71. Condition Overleaf

CCA/IRQS/200300185/001

Head Office: 52A, Ad Shankaracharya Marg, Opp. Powai Lake, Powai, Mumbai - 400 072, India.

CERTIFICATE OF APPROVAL

Issued by Indian Register Quality Systems
(A Division of IRCLASS Systems and Solutions Private Limited)

This is to certify that the Occupational Health & Safety Management Systems of

Organisation: Adani Petronet (Dahej) Port Pvt. Ltd.

Address: At Post Lakhigam,
Near Dahej,
Taluka-Vagra,
Dist. Bharuch - 392 130,
Gujarat, India

has been assessed and found conforming to the following requirement

Standard: ISO 45001:2018

Scope: Providing Port Facilities for Receipt,
Storage and Handling of Solid Cargo

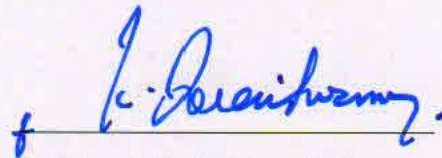
Certificate No.: IRQS/200400186

Original Certification Date : 07/03/2017
(Unaccredited)

Current Date of Granting : 12/02/2020

Expiry Date : 05/03/2023



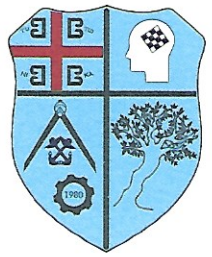

Shashi Nath Mishra
Head IRQS

This approval is subject to continued satisfactory maintenance of the Occupational Health and Safety Management Systems of the Organization to the above standard, which will be monitored by IRQS. The use of the Accreditation Mark indicates accreditation with respect to activities covered by the certificate with accreditation no. OHSMS 007. Condition Overleaf COA/IRQS/NABCB/OHSMS/Rev 00

Head Office: 52A, Adi Shankaracharya Marg, Opp. Powai Lake, Powai, Mumbai - 400 072, India.

Certificate

LIBEROASSURANCE



This is to certify that the
Energy Management System of:

Adani Petronet (Dahej) Port Private Limited

adani

Ports and
Logistics

At Post Lakhigam, Near Dahej, Taluka-Vagra, District – Bharuch – 392130, Gujarat, India

Has been assessed and registered under the certification and inspection scheme of
LiberoAssurance for the following international standards:

ISO 50001:2018

The management system is applicable to:

Providing Port Facilities for Receipt, Storage and Handling of Solid Cargo

Issued 21/11/2019 at PIRAEUS, GREECE
(Date of issue) (Place of issue of certificate)

Expiry 03/11/2022
(Expiration date)

For the Issuing Organisation
Efthimios Liberopoulos

This certificate is valid subject to satisfactory
completion of annual audits.

Certificate ID: **IN0517300919501-3**

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भारत सरकार
Government of India
वाणिज्य और उद्योग मंत्रालय
Ministry of Commerce & Industry
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)
Petroleum & Explosives Safety Organisation (PESO)
आंठवी मंजिल, यश कमल बिल्डिंग, सयाजी गंज
वडोदरा - 390020
8th Floor, Yash Kamal Building, Sayajigunj,
Vadodara - 390020

E-mail : dyccebaroda@explosives.gov.in

Phone/Fax No : 0265 - 2225159

संख्या /No. : **P/WC/GJ/14/3668 (P221616)**

दिनांक /Dated : **05/02/2020**

सेवा में
/To,

M/s. M/S ADANI PETRONET (DAHEJ) PORT PVT LTD,
B-8, GREEN PARK SOCIETY,
BEHIND POLYTECHNIC COLLEGE,
Bharuch,
District: BHARUCH,
State: Gujarat
PIN: 392130

विषय **Plot No, SURVEY NO.580, NA, AT-LAKHIGAM, TAL-VAGRA, Taluka: Vagra, District: BHARUCH, State:**
 /Sub : **Gujarat, PIN: 999999** में स्थित विद्यमान पेट्रोलियम वर्ग B Consumer Pump की अनुज्ञप्ति संख्या **P/WC/GJ/14/3668 (P221616)** - नवीकरण के संदर्भ में ।
 Existing Petroleum Class B Consumer Pump at **Plot No, SURVEY NO.580, NA, AT-LAKHIGAM, TAL-VAGRA, Taluka: Vagra, District: BHARUCH, State: Gujarat, PIN: 999999** - Licence No. **P/WC/GJ/14/3668 (P221616)** - Reg Renewal of Licence.

महोदय
/Sir(s),

कृपया आपके उपर्युक्त विषय से संबंधित पत्र संख्या - दिनांक **25/11/2019** का संदर्भ ग्रहण करें ।
 Please refer to your letter No. - dated **25/11/2019** on the subject.

अनुज्ञप्ति सं **P/WC/GJ/14/3668 (P221616)** दिनांक **04/08/2017** दिनांक **31/12/2022** तक नवीनीकृत कर लौटाई जा रही हैं ।
 Licence No. **P/WC/GJ/14/3668 (P221616)** dated **04/08/2017** is returned herewith duly renewed upto **31/12/2022**.

कृपया पेट्रोलियम नियम, 2002 के अधीन बनाए गए नियम 148 में दी गई प्रक्रिया का कड़ाई से पालन करें । अनुज्ञप्ति के नवीकरण हेतु समस्त दस्तावेजों को दिनांक **31/12/2022** या उससे पहले इस कार्यालय में प्रस्तुत करें ।

Please follow the procedure strictly as laid down in rule 148 of the Petroleum Rules, 2002 and submit complete documents for the Renewal of the licence so as to reach this office on or before **31/12/2022**.

कृपया पावती दें । Please acknowledge the receipt.

भवदीय /Yours faithfully,

()
 (Mohanlal Jana)

Dy. Controller of Explosives
कृते उप मुख्य विस्फोटक नियंत्रक
For Dy. Chief Controller of Explosives
वडोदरा/Vadodara

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)
(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

Note:-This is system generated document does not require signature.

Disclaimer : This page gives the latest action taken by this organization on your application. This page is made available for the information of concerned applicant/licensee only. For documentary purposes, only the original documents issued under the seal and signature of the respective offices of Petroleum & Explosives Safety Organization shall be valid. All efforts have been made to secure this information. However, PESO will not be responsible for any misuse of the information by unauthorized persons including the hackers.

Om Prakash Yadav

From: Om Prakash Yadav
Sent: Thursday, April 23, 2020 5:00 PM
To: rowz.bpl-mef@nic.in
Cc: Kaushal Singh; Harsh Yadav; bharuchgpcb@yahoo.com; brnaidu.cpcb@nic.in; chairman-gpcb@gujarat.gov.in; gpcb-bha@gujarat.gov.in; mefcc.ia3@gmail.com; monitoring-ec@nic.in; Manoj Katar; Shalin Shah
Subject: Letter regarding intimation of disruption of environment monitoring by NABL and MoEFCC approved agency due to COVID-19 Pandemic
Attachments: RO_MoEFCC Letter- COVID-19.pdf

Dear Sir,

With reference to the above subject matter, we hereby inform that the monitoring of various environment attributes such as Ambient Air Quality, Ambient Noise level, Groundwater, DG stack emission, sea sediment and marine water etc. Through a NABL accredited monitoring agency got disrupted due to the pandemic situation of COVID 19 from 27rd March, 2020. The engaged agency is not able to continue the service of environment monitoring due to declaration of lock down by Government Authorities.

The environment monitoring will be resumed once the situation improves and in line to Government directives. Please find attached herewith a letter for the same

Thanks with regards

Om Prakash Yadav
Executive – EHS| Adani Petronet (Dahej) Port Pvt Ltd
Mob +91 6357160022| Off Ext. - 51085 | omprakash.yadav@adani.com | www.adaniports.com
At & PO Lakhigam, Taluka Vagra, Via Dahej, Bharuch 392 130, Gujarat, India