



Ports and
Logistics

Letter No.: APDPL-EHS/MOEF RO/EC Comp (III)/2024/01

Date: 27.05.2024

To,
Inspector general of Forest/Scientist C
Integrated Regional office
Ministry of Environment Forest and Climate Change
Aranya Bhavan, A Wing, Room Number 409,
Near CH-3 Circle Sector 10A
Gandhinagar – 382007
Gujarat

Sub.: - Six Monthly Compliance Report of Environment and CRZ Clearance for the period **October 2023 to March 2024**

Ref.: - 1) Environmental and CRZ clearances granted to M/s. Adani Petronet (Dahej) Port Pvt. Ltd. for **Phase-III** 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**, dated 14.03.2016 bearing No.: ENV-10-2015-171-E.

Dear Sir,

Please find enclosed herewith point wise compliance report of conditions stipulated in the above referred letter for the period October 2023 to March 2024.

Thanking you,
Yours Faithfully,
For M/s Adani Petronet (Dahej) Port 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 Vadodara, 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. The Regional Officer, Gujarat Pollution Control Board, Bharuch (Gujarat).

Adani Petronet (Dahej) Port Limited
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ADANI PETRONET (DAHEJ) PORT LTD.

From: October 2023

To : March, 2024

**SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT &
CRZ CLEARANCE PHASE – III**

FOR

DEVELOPMENT OF MULTI CARGO PORT TERMINAL

AT

DAHEJ, DISTRICT: BHARUCH, GUJARAT

(FOR THE PERIOD: OCTOBER 2023 TO MARCH 2024)

BY

ADANI PETRONET (DAHEJ) PORT LTD.

VILLAGE: LAKHIGAM, TALUKA: VAGRA,

DISTRICT: BHARUCH, GUJARAT- 392130

**ADANI PETRONET (DAHEJ) PORT LTD.****From: October 2023****To : March 2024****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
5	Status of project component for Phase III developed so far and yet to be developed is given below.

FACILITIES/ PROJECT COMPONENTS DEVELOPED AND TO BE DEVELOPED WITHIN
ADANI PETROENT DAHEJ PORT LIMITED, Dahej

Facilities / Project Components approved as per EC&CRZ Clearance and CTE	Capacity	Facilities / Project Components developed / In Operation As per CC&A	Remaining facilities / Project Components to be developed as approved in EC & CTE
Expansion of cargo handling capacity from 11.7 MMTPA to 23 MMTPA.	23 MMTPA	APDPL has been granted Consent to Operate (CC&A) from State Pollution Control Board for cargo handling capacity @ 1.34 MMT/Month (16 MMTPA). APDPL is handling cargo within consented limit only.	Expansion of remaining cargo handling will be constructed/developed as per the business requirement.
Reclamation to the tune of 23 Ha Contiguous lands to the existing back-up area to store and handle multipurpose cargo.	23 Ha.	Out of approved 23 Ha., 16.0 Ha. Area was reclaimed and developed.	Remaining 7 Ha. will be reclaimed and developed as per the business requirement.
Optimal utilization of existing back-up area for coal storage and handling of other designated cargo. Additional coal stockpile to be developed for storage of 1.1 million Tonnes.	--	Entire area is developed and additional coal stockpile has been developed for storage of 1.1 million Tonnes.	None.
Widening of existing 15 m wide rubble bund to 60 m wide to handle project cargo (i.e. ODC).	--	Widening of existing 15 m wide rubble bund to 60 m wide has been done to handle project cargo.	None.
Existing Ramp being used for port crafts and tugs will be strengthened to handle project / cargo.	--	Existing Ramp used for port crafts and has been strengthened to handle project / cargo.	None.
Mechanization of south jetty to handle coal cargo.	--	None.	Mechanization of south jetty to handle coal cargo will be done as per requirement in future.
Rail loading silo and other supporting infrastructure facilities.	--	Rail loading silo and other supporting infrastructure facilities has been developed.	None.

List of Annexure

- Annexure 1** : CTE Copy.
- Annexure 2** : Action taken report on PH points.
- Annexure 3** : Environment Monitoring Report
- Annexure 4** : Photographs of Air pollution Control measures
- Annexure 5** : Compliance Status of EMP As Per EIA Report.
- Annexure 6** : CSR Report from October 2023 to March 2024.
- Annexure 7** : Environment Management Cell.
- Annexure 8** : Environmental Budget & Expenditure for FY 2023-2024.
- Annexure 9** : Green Belt development plan FY 23-24.
- Annexure 10** : Bioshield Project Report.
- Annexure 11** : Acknowledge copy of Environment Statement for FY 23-24.

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase - III		
Sr. no.	Conditions	Compliance Status as on 31.03.2024
(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 to Establish was obtained from Gujarat Pollution Control Board vide no CTE amendment 71696 dated 08/09/2015 & its amendment CTE 129384 dated 15.03.2024, valid up to 13.10.2027. Attached in Annexure 1.
(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.	Noted.
(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.
(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.
(v)	Shoreline should not be disturbed due to dumping. Periodical study on shoreline changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six-monthly monitoring reports.	Complying with. <ul style="list-style-type: none"> • No marine construction activities are carried out on marine front after September 2019. • 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. • As per the report on 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 is observed. The seasonal and yearly shoreline changes indicate the dynamic nature of the coastline. • 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. • As per the report no additional mitigation measure is

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Compliance Status as on 31.03.2024
		required for shoreline protection.
(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.	Complied. All the commitments made during the public hearing have been complied with. An action taken report is enclosed as Annexure 2 .
(vii)	All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster management Plan shall be strictly complied with.	Being Complied <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. • APDPL 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 29.03.2024. Last revision in the DMP was done on 01.07.2023.
(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.	Being Complied 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.
(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 scrubs.	Being Complied 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. Dust control measures details: - <ul style="list-style-type: none"> • APDPL has installed wind breaking wall for dust pollution control in the open coal yard. The wind breaker wall is a porous perforated barrier. At the back of the wall, a low-velocity zone is formed. It effectively reduces the average wind speed, thereby prevents dust from moving, and achieves the purpose of dust suppression. The benefits include. <ul style="list-style-type: none"> ➤ Reduction of coal losses in open yard ➤ Saves water for dust suppression ➤ Improves the living conditions of local residents. ➤ Improves the working conditions of the on-site staff Wind break walls have been erected around the coal stockpile area at a height of 14 m from the ground level. The length, width and thickness of each galvanized sheet

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

Sr. no.	Conditions	Compliance Status as on 31.03.2024
		<p>based wind break metal shield are about 2950 mm, 1250 mm and 0.7 mm respectively. The aperture is round shaped, and diameter of each aperture is about 3.5 to 4 mm. The aperture occupies 30 - 40% of a wind break sheet. Several wind break metal sheets are connected and have been fitted in structural beams to control the wind carryover of the dust from the stockpiles. An amount of 58 crore is spent by APDPL in erecting and marinating the wind breaking wall around the coal yard.</p> <ul style="list-style-type: none"> • APDPL has constructed 10 KM long fully mechanized closed conveyor belt with water sprinkling facility for transfer of coal from North Jetty to coal yard and also from coal yard to the rail wagon loading area at a cost of 150 crore. This closed conveyor system reduces the coal dust generation significantly. • APDPL has installed a truck tyre washing system within the port premises, which washes the tyre of trucks exiting the port area. • Green belt is being developed in an area of 25.27 Ha. including periphery of the project boundary. The green belt has been developed with plantation of native species and species which helps in creating a barrier for coal dust movement.
(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.	<p>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 from south berth also. The alignment of the conveyor will be based on the engineering requirement to meet the objectives.</p>
(xi)	The dust from the roads shall be periodically cleaned and dust suppression by water spray be carried out.	<p>Being Complied Regular road cleaning both inside and outside the port premises is a continuous activity carried out by below two methods. The road sweeping by both methods is carried out till 3 Km from the port main gate on the main road leading to Dahej by APDPL.</p> <p>Road cleaning by sweeping machine: APDPL, have 02 nos. of road sweeping machine and one tractor sweeping machine. Truck mounted Industrial Vacuum Cleaning Machines have road cleaning capacity substantially as the storage capacity of the chassis mounted vacuum machine are 04 tone/ hour each which allow rapid collection of spillage, dust and subsequent disposal. Regular water sprinkling is carried out by two mobile water tankers. Photographs of Air pollution Control measures is attached as Annexure 4.</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	Compliance Status as on 31.03.2024
(xii)	The mangrove plantation of 50 ha shall be undertaken in consultation with Gujarat Ecology Commission / State Forest Department.	<p>Complied.</p> <p>Mangrove afforestation has been carried out in an area of 400 Ha. Phase I & II (200 Ha for both). And additional 50 Ha. for Phase –III. Details of the same are given below.</p> <ol style="list-style-type: none"> 100 Ha. near village Dandi, Dist. Surat– 2011 50 Ha. near village Jakhau, Dist. Kutch – 2011 50 Ha. near Padri bit, Dist. Bhavnagar – 2011 200 Ha. near Malpur, Ta. Jambusar – 2013-14 (Done as compliance to Phase –I & II EC &CRZ clearance) 50 Ha. Devjagan/Nada, Ta. Jambusar – 2017 – 18 (Done as compliance to Phase –III EC &CRZ clearance) <p>Reports of 400 Ha. Mangrove afforestation (Developed in Phase I & II Project) were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017.</p> <p>The mangrove plantation (Phase –III) 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.</p>
(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.	<p>Being Complied</p> <ul style="list-style-type: none"> At mechanized berth of APDPL, 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	<p>Being Complied</p> <p>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.</p>
(xv)	The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.	<p>Complied.</p> <p>Ground water is not tapped in CRZ area for the project. Water requirement is being met through GIDC water supply only.</p>
(xvi)	Necessary arrangements for the treatment of the effluents and	<p>Complied.</p> <p>Sewage generated from port is being treated in</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	Compliance Status as on 31.03.2024																															
	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.	<p>designated STP of 80KL/Day Capacity. Treated water is used for horticultural purposes. Quality of treated water confirm to the standard laid down by Gujarat Pollution Control Board.</p> <table border="1"> <thead> <tr> <th>Capacity</th> <th>Quantity of Wastewater (Avg. from October 23 to March 2024)</th> <th>Type of STP</th> </tr> </thead> <tbody> <tr> <td>80KLD</td> <td>19.44 KLD</td> <td>MBR</td> </tr> </tbody> </table> <p>The treated water from STP is being utilized on land for horticulture purpose within port premises after achieving permissible norms prescribed in CCA order. Summary of STP treated water analysis results during compliance period from October 2023 to March 2024 as mentioned below.</p> <table border="1"> <thead> <tr> <th>Parameters</th> <th>Unit</th> <th>Min</th> <th>Max</th> <th>Perm. Limit</th> </tr> </thead> <tbody> <tr> <td>PH</td> <td>-</td> <td>6.44</td> <td>7.63</td> <td>6.5- 8.5</td> </tr> <tr> <td>TSS</td> <td>mg/L</td> <td>9.00</td> <td>23.00</td> <td>30</td> </tr> <tr> <td>BOD (3 Days @ 27 °C</td> <td>mg/L</td> <td>4.00</td> <td>15.00</td> <td>20</td> </tr> <tr> <td>Residual Free Chlorine</td> <td>mg/L</td> <td>0.62</td> <td>2.66</td> <td>0.5(Min)</td> </tr> </tbody> </table> <p>The cost for Environment Monitoring for FY 23-24 is 13.10 lacs.</p>	Capacity	Quantity of Wastewater (Avg. from October 23 to March 2024)	Type of STP	80KLD	19.44 KLD	MBR	Parameters	Unit	Min	Max	Perm. Limit	PH	-	6.44	7.63	6.5- 8.5	TSS	mg/L	9.00	23.00	30	BOD (3 Days @ 27 °C	mg/L	4.00	15.00	20	Residual Free Chlorine	mg/L	0.62	2.66	0.5(Min)
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(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 has been provided. Domestic effluent is being transported from generation point to STP in close type Gully Men vehicle. Dedicated Hazardous waste storage area has been provided for collection and storage of Hazardous waste. Dump Pond is constructed to collect the coal wash water from yards & reuse it for washing.</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. Kadam Environment Consultant. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of October 23 to March 2024 are enclosed as Annexure 3C and 3D.</p>																															
(xix)	The marine ecology management plan being drawn up with regards to the	<p>Being Complied</p> <ul style="list-style-type: none"> No waste or dredged material is dumped so as to disturb the marine ecology. 																															

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

Sr. no.	Conditions	Compliance Status as on 31.03.2024
	<p>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>	<ul style="list-style-type: none"> Marine ecology is being monitored through NABL accredited & MoEF&CC recognized laboratory M/s. Kadam environment Consultant. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of October 2023 to March 2024 are enclosed as Annexure 3C and 3D.
(xx)	<p>Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.</p>	<p>Complied. Marine ecology is being monitored through M/s. Kadam Environment Consultant, 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 October 2023 to March 2024 are enclosed as Annexure 3C and 3D.</p>
(xxi)	<p>Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.</p>	<p>Complied.</p> <ul style="list-style-type: none"> Oil Spill Contingency plan is prepared and resubmitted Tier 1 OSR Facility Dahej port Terminals on dated 15.09.2022. Request letter for approval of Oil Spill Contingency plan submitted to the chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi & Coast Guard, Gandhinagar vide letter dated 16/09/2020. Oil Spill Contingency plan is prepared and resubmitted to The chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi & Coast Guard, Gandhinagar for verification vide letter dated 27.07.2018. Oil Spill Contingency Plan is submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012. APDPL has a well-defined DMP and regular mock drills are being conducted. Mock drill is being conducted as per plan. Last Mock drill was conducted on 29.03.2024. Last revision in the DMP was done on 01.07.2023.

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Compliance Status as on 31.03.2024
(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 Cholamandalam in the EIA are being complied.
(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. APDPL 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"> The D.G set are only used in case of power failure DG sets are installed as per the approval. Monitoring of DG set Stack emission & noise is being carried out by M/s. Kadam Environment Consultant, 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"> APDPL has constructed 10 KM long fully mechanized closed conveyor belt with water sprinkling facility for transfer of coal from North Jetty to coal yard and also from coal yard to the rail wagon loading area at a cost of 150 crore. This closed conveyor system reduces the coal dust generation significantly. 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. <ul style="list-style-type: none"> APDPL is handling Multi cargo mainly coal, other bulk cargos & project cargo at designated storage areas 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	Complied. <ul style="list-style-type: none"> Details regarding STP are given in point number- XVI (Refer above point). Monitoring Reports for the period of October 2023 to March 2024 is enclosed as Annexure 3F.

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Compliance Status as on 31.03.2024
	laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.	
(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 5.
(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 by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same for the period of October 2023 to March 2024 is attached as Annexure – 6.</p>
(xxxii)	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>APDPL 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>
(xxxiii)	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	<p>Complied.</p> <ul style="list-style-type: none"> Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of budget for Environment Cell for the FY 2023-24 was approx. Rs. 599.98 lacs out of which Rs. 559.61 lacs is used. Details of the environmental budget and expenditure for the past 3 years is enclosed as Annexure –8.
(xxxiii)	The proponent shall abide by all the commitments and recommendations made in the	<p>Being Complied</p> <p>All the recommendations and suggestions given by NIO; M/s Cholamandalam in the EIA are being complied. Copy</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	Compliance Status as on 31.03.2024
	EIA/EMP report so also during their presentation to the EAC.	of the status of EMP recommendations is enclosed as Annexure – 5.
(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.	<p>Complied</p> <ul style="list-style-type: none"> • APDPL has prepared operating manual for all activities and is certified for ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018, ISO 50001:2018, ISO 28000:2007 & ISO 27001:2013. • 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)	<p>Corporate Social Responsibility:</p> <p>a. The Company shall have a well laid down Environment Policy approved by the Board of Directors.</p> <p>b. 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.</p> <p>c. The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the 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>Being Complied</p> <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. • APDPL has form a management review committee-comprising of various heads of departments and chaired by site head. This review committee meets once in six months to review and monitor EHS performance of the site. All action items are being recorded and implemented.
B. General Conditions.		
i	Appropriate measures must be	Being 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	Compliance Status as on 31.03.2024																					
	taken while undertaking digging activities to avoid any likely degradation of water quality.	No digging activities carried out during the compliance period. Two Piezometers have been installed at different locations inside port. Regular monitoring of ground water level & quality is being done through M/s. Kadam Environment Consultants, a NABL accredited and MoEF&CC recognised laboratory. Copies of reports are enclosed as Annexure 3B .																					
ii	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>Being Complied</p> <ul style="list-style-type: none"> APDPL 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 APDPL full support is extended and APDPL provides all additional information seek by them during the inspection. No officer of MoEF&CC, regional office Bhopal and CPCB visited the site during the compliance period. Latest visit of Gujarat Pollution Control Board during the compliance period was on 07.02.2024 and its compliance report submitted dated 11.03.2024. 																					
iii	A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bhopal regarding the implementation of the stipulated conditions.	<p>Noted and complied.</p> <p>APDPL is regularly submitting six monthly compliance reports, which comprises of compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports and EMP Status etc.</p> <ul style="list-style-type: none"> Last compliance report was submitted vide letter no. APDPL-EHS/MOEF RO/EC Comp (III)/2023/01 dated 18.05.2023 in soft copy via mail dated 18.05.2023. It is also uploaded in MOEF&CC (Parivesh portal) & our website: www.adaniports.com Please refer below for the details regarding past 6 compliance submissions. <table border="1"> <thead> <tr> <th>S. No</th> <th>Compliance Period</th> <th>Date of Submission</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Oct' 20 to Mar' 21</td> <td>25.05.2021</td> </tr> <tr> <td>2</td> <td>April '21 to Sep. '21</td> <td>29.11.2021</td> </tr> <tr> <td>3</td> <td>Oct'21 to Mar'22</td> <td>27.05.2022</td> </tr> <tr> <td>4</td> <td>April '22 to Sep. '22</td> <td>01.12.2022</td> </tr> <tr> <td>5</td> <td>Oct '22 to Mar. '23</td> <td>18.05.2023</td> </tr> <tr> <td>6</td> <td>April '23 to Sep. '23</td> <td>29.11.2023</td> </tr> </tbody> </table>	S. No	Compliance Period	Date of Submission	1	Oct' 20 to Mar' 21	25.05.2021	2	April '21 to Sep. '21	29.11.2021	3	Oct'21 to Mar'22	27.05.2022	4	April '22 to Sep. '22	01.12.2022	5	Oct '22 to Mar. '23	18.05.2023	6	April '23 to Sep. '23	29.11.2023
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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	Noted & Agreed.																					

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Compliance Status as on 31.03.2024
	complied with the satisfaction of the Ministry.	
vi	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, 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"> Consent to Establish was obtained from Gujarat Pollution Control Board vide no CTE amendment 71696 dated 08/09/2015 & its amendment CTE 129384 dated 29.09.2023, valid up to 13.10.2027. Attached in Annexure 1. Start of land development (23 Ha. reclamation) work 17.10.2017. Out of 23 Ha., 16 Ha. is already reclaimed and remaining 7 Ha. to be reclaimed 7 developed as per business requirement.
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 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	Complied This condition does not belong the project proponent, however, APDPL has submitted 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	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

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

Sr. no.	Conditions	Compliance Status as on 31.03.2024
	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.	valid up to 31.12.2025 for the Class B Petroleum. Copy of the HSD license submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III), dated 25.11.2020 and there is no further change. <ul style="list-style-type: none"> • EC Clearance from MOEF was obtained vide letter no. vide letter dated 14/10/2016 bearing F. No.: 11-37/2007-IA-III. • 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 of this Ministry at Bhopal.	Complied <ul style="list-style-type: none"> • Environment clearance letter is published 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.
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 along with its compliance status is available on company website that i.e., www.adaniports.com/ports-downloads
16	Any appeal against this Clearance shall lie with the National green Tribunal, if preferred, within a period of 30 days as prescribed under Section	Noted.

Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Compliance Status as on 31.03.2024
	16 of The National Green Tribunal, Act, 2010.	
17	A copy of the clearance letter shall be sent by the proponent to concern 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 <p>Compliance report of EC conditions is uploaded regularly & Same is being regularly submitted to concerned authorities.</p> <ul style="list-style-type: none"> Compliance reports along with monitored data are available on company website i.e., www.adaniports.com/ports-downloads.
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 company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEFCC by email.	Complied <ul style="list-style-type: none"> Environment statement regularly being submitted to Gujarat Pollution Control Board. Last statement for FY 2022-23 was submitted dated 27.05.2023 is attached as Annexure 11. Copy of environment statement is also available on company website i.e., www.adaniports.com/ports-downloads.

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. <ul style="list-style-type: none"> APDPPL ensured 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 Multi 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 29.03.2024. Last revision in the DMP was done on 01.07.2023.
5	All necessary permission from different Government Departments / agencies shall be obtained by M/s APDPPL before commencing the activities.	Complied
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.
7	All the recommendation and suggestions given by Cholamandalam 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 Complied <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 5.
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 Maritime 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	Complied <ul style="list-style-type: none"> No debris or other construction waste is being

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
	removed from the construction site immediately after the construction is over.	disposed into the sea, creek or in CRZ areas. <ul style="list-style-type: none"> 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.	<ul style="list-style-type: none"> Oil Spill Contingency plan is prepared and resubmitted Tier 1OSR Facility Dahej port Terminals on dated 15.09.2022. Request letter for approval of Oil Spill Contingency plan submitted to the chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi & Coast Guard, Gandhinagar vide letter dated 16/09/2020 Oil Spill Contingency plan is prepared and resubmitted to The chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi & Coast Guard, Gandhinagar for verification vide letter dated 27.07.2018. Oil Spill Contingency Plan is submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012. APDPL has a well-defined DMP and regular mock drills are being conducted. Mock drill is being conducted as per plan. Last Mock drill was conducted on 29.03.2024. Last revision in the DMP was done on 01.07.2023.
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 water without significant obstruction	Complied. Jetty approach is already operational. No new 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 has been met through GIDC water supply.

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
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 25.27 Ha. including periphery of the project boundary. Detailed plan of the green belt development plan is enclosed as Annexure - 9 .
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. Mangrove afforestation has been carried out in an area of 400 Ha. Phase I & II (200 Ha for both). And additional 50 Ha. for Phase –III. Details of the same are given below. 5. 100 Ha. near village Dandi, Dist. Surat– 2011 6. 50 Ha. near village Jakhau, Dist. Kutch – 2011 7. 50 Ha. near Padri bet, Dist. Bhavnagar – 2011 8. 200 Ha. near Malpur, Ta. Jambusar – 2013-14 (Done as compliance to Phase –I & II EC &CRZ clearance) 5. 50 Ha. Devjagan/Nada, Ta. Jambusar – 2017 – 18 (Done as compliance to Phase –III EC &CRZ clearance) Reports of 400 Ha. Mangrove afforestation (Developed in Phase I & II Project) were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017 The mangrove plantation (Phase –III) 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.
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.	Complied Completion Report is received from M/s. Saline Area Vitalization Enterprise Limited (SAVE). Report is attached as Annexure - 10 .
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 October 2023 to March 2024 is attached as Annexure – 6 .
19	A separate budget shall be earmarked for	Complied.

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
	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.	Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of budget for Environment Cell for the FY 2023-24 was approx. Rs. 599.98 lacs. Details of the environmental budget and expenditures for the past 3 years is enclosed as Annexure -8 .
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. APDPL 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 The quality of ambient air treated wastewater from STP, sea water and sediment, ground water and noise levels is being monitored through M/s. Kadam Environment Consultants, a NABL accredited agency. Ambient Air quality monitoring (twice in a week) and Noise level (once in a month) monitoring are being carried out. Summary of ambient air monitoring during compliance period from October 2023 to March 2024 as attached as Annexure 3A & 3G . The noise level confirm to the standard laid down by Gujarat Pollution Control Board. The noise monitoring results during compliance period form October 2023 to March 2024 as attached as Annexure 3G . Piezometer's analysis results during compliance period from October 2023 to March 2024 as attached as Annexure 3B . 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	Complying with. <ul style="list-style-type: none"> APDPL regularly submitting six monthly compliance reports, which comprises of compliance to the conditions stipulated in Environment and CRZ clearance, environment

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																					
	Change, Government of India.	<p>monitoring reports, status of EMP etc.</p> <ul style="list-style-type: none"> Last compliance report was submitted vide letter no. APDPL-EHS/MOEF RO/EC Comp (II)/2023/02 dated 28.11.2023 in soft copy via mail dated 29.11.2023. Please refer below for the details regarding past 6 compliance submissions. <table border="1"> <thead> <tr> <th>S. No</th> <th>Compliance Period</th> <th>Date of Submission</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Oct' 20 to Mar' 21</td> <td>25.05.2021</td> </tr> <tr> <td>2</td> <td>April '21 to Sep. '21</td> <td>29.11.2021</td> </tr> <tr> <td>3</td> <td>Oct'21 to Mar'22</td> <td>27.05.2022</td> </tr> <tr> <td>4</td> <td>April '22 to Sep. '22</td> <td>01.12.2022</td> </tr> <tr> <td>5</td> <td>Oct '22 to Mar '23</td> <td>18.05.2023</td> </tr> <tr> <td>6</td> <td>April '23 to Sep. '23</td> <td>29.11.2023</td> </tr> </tbody> </table> <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. 	S. No	Compliance Period	Date of Submission	1	Oct' 20 to Mar' 21	25.05.2021	2	April '21 to Sep. '21	29.11.2021	3	Oct'21 to Mar'22	27.05.2022	4	April '22 to Sep. '22	01.12.2022	5	Oct '22 to Mar '23	18.05.2023	6	April '23 to Sep. '23	29.11.2023
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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.	Noted and agreed to comply with.																					



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

By R.P.A.D.

CONSENT TO ESTABLISH (CTE) - AMENDMENT
CTE AMENDMENT NO: CTE - 129384

NO: GPCB/BRCH/CCA-6(8)/ID:31664/

DT: /03/2024

To,
M/s. Adani Petronet (Dahej) Port Ltd,
At & PO: Lakhigam,
Tal: Vagra, Dist Bharuch.

- SUB:** Amendment in Consent to Establish (CTE) under section 25 of the Water Act, 1974 and section 21 of the Air Act, 1981.
- REF:** (1) Your CTE application No. 279861 dated 03/06/2023
(2) CCA No. AWH- 109820 dated 01/11/2020
(3) CCA Amendment No. AWH- 116434 dated 09/03/2022
(4) CCA Amendment dated 15/05/2023
(5) CTE Amendment no. 71696 dated 08/09/2015
(6) CTE Amendment no. 111311 dated 22/02/2021
(7) MoEF & CC notification dated 18/01/21, 12/04/22 and 03/07/23

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air (Prevention and Control of Pollution) Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants amendment (validity extension) in Consent to Establish (CTE) for expansion of port for cargo handling from 16.08 MMTPA to 23 MMTPA along with reclamation of 7 Ha backup area and mechanization of south jetty to handle coal cargo at M/s. Adani Petronet (Dahej) Port Ltd, At & PO: Lakhigam, Tal: Vagra, Dist Bharuch subject to compliance of following conditions:

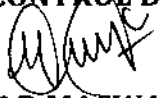
The validity of this order shall be upto 13/10/2027.

1. SPECIFIC CONDITIONS:

- Unit shall comply judgment/orders of Hon. NGT in the matter of Appeal no. 74 of 2016.**
- Unit shall comply EC & CRZ clearance dated 14/10/2016 obtained from MoEF &CC.
- Unit shall comply the EIA notification, 2006 & its subsequent amendments and CRZ notification, 2011 & its subsequent amendments.
- Unit shall not carry out any construction activities and production which attracts provisions of Environment Clearance (EC) without obtaining EC from competent authority under the EIA notification dated 14/09/2006 and amended thereafter.
- Unit shall maintain ZLD.

2. All other conditions of CTE amendment no. 111311 dated 22/02/2021 shall remain unchanged.

**FOR AND ON BEHALF OF
GUJARAT POLLUTION CONTROL BOARD**


**(M.R. MACWANA)
UNIT HEAD**

Outward No:786344,15/03/2024

Annexure - 2
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 31.03.2024
1.	Shri Manaharbhai 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"> 1. Company has not taken permission from village panchayat for installation of conveyor belt passing thorough the road. 2. Transportation of coal through trucks should be stopped. 3. Precautions should be taken to 		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.

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		<p>avoid fire in coal storage area.</p> <p>4. "Court Commission" should be appointed for evaluation of current 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. 	<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 include 268 pages, Annexures include 378 pages and appendix includes 264 pages making total report of 858 pages. Executive summary includes 25 pages. 	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>No further action required.</p> <p>No further action required.</p>

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		<ul style="list-style-type: none"> • 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 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? • 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? 	<ul style="list-style-type: none"> • Executive Summary is prepared as per the guidelines under EIA Notification. The more pages are due to various annexures. • 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 	<p>Dist. Collector has informed to Project Proponent to communicate the changes made in the draft EIA while finalizing the EIA to the concern representative.</p>	<p>After obtaining CRZ recommendations from GCZMA vide their letter 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</p>

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		<ul style="list-style-type: none"> • 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 • 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. 	<p style="text-align: center;">Forest and Environment, Government of India</p> <ul style="list-style-type: none"> • The project proponent replied that there is no habitation in the inter tidal land, proposed for reclamation • 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. 	<p style="text-align: center;">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 style="text-align: center;">required</p> <p style="text-align: center;">No further action required.</p> <p style="text-align: center;">It is verified. No changes done.</p> <p style="text-align: center;">No further action required.</p> <p style="text-align: center;">No further action required.</p>

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		<ul style="list-style-type: none"> • The proposed expansion is for the increase of capacity from 11.7 MMTPA against the current actual handling which is less than 11.7 MMTP. So how pollution will be controlled for this expansion of capacity? • 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 	<ul style="list-style-type: none"> • 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 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. • 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. 	<p>Regarding the role of GIDC and GPCB, Dist. Collector clarified that Govt. is working for the people only.</p>	<p>No further action required.</p> <p>No further action required.</p>

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		<p>same is also informed to GIDC and GPCB but complaints have remained on papers only.</p> <ul style="list-style-type: none"> • 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? • No employment is given to land looser of railway yard. Company should give • Assurance for employment to land losers. • The responsible officers of GIDC 	<ul style="list-style-type: none"> • The Project Proponent replied that Belt conveyor capacity is adequate and silo will be developed at the same place where one silo already exists. There is no requirement of new land for this purpose. • 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 		<p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>No further</p>

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		<p>should also be required to remain present during Public Hearing.</p> <ul style="list-style-type: none"> • 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 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>issue.</p> <ul style="list-style-type: none"> • 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 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 		<p>action required.</p> <p>No further action required.</p> <p>No further action required.</p>

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		<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 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. • I wish good luck to company with hope to do better work for environment. 	<p>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. • Project proponent conveyed thanks for his encouraging words. 		<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> <p>No further action required.</p>

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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 rainwater from village. Adani company has also helped for renovation of houses of Adivasis. Fishing nets are provided to fishermen. Adani company has 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. 	<ul style="list-style-type: none"> The project proponent has expressed thanks for appreciation. 		No further action required.
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. 			

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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. • 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 	<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) Primary School in Lakhigam. • 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. 		<p>No further action required.</p> <p>At present no action is pending</p>

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		<p>employment to us on their own.</p> <ul style="list-style-type: none"> Company should think about high pollution levels. 	<ul style="list-style-type: none"> The project proponent replied that they have already replied earlier to similar question. 		No further action required.
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 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 	<ul style="list-style-type: none"> The project proponent has expressed thanks for appreciation. 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> <p>No further action required.</p>

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		<p>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.</p>			
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 MMTPA to 23 MMTPA. • 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. 	<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. • 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 	<p>Regional officer of GPCB replied that EIA report is made available at following offices</p> <ol style="list-style-type: none"> 1. District collector office, Bharuch 2. District Development office, Bharuch 3. District Industries Centre, Bharuch 4. Taluka Development office, Tal. Vagra Dist. Bharuch 5. Chief Conservator of Forest, Bhopal 6. 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 locals.</p>

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		<ul style="list-style-type: none"> • 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 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 	<p>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.</p> <ul style="list-style-type: none"> • 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>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>

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		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	No action required from company.

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				actions will be taken from Dist. Collectrate Office.	
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>

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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 Neem trees are planted where foot prints of coal dust is being observed while going to temple. • 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. 	<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. 		<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> <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 			

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		<p>thereafter public hearing should be organized</p> <ul style="list-style-type: none"> • 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 impact is occurring to their health. • 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 	<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

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		<p>reduced in one of the company in Ankleshwar.</p> <ul style="list-style-type: none"> • 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 • 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 	<ul style="list-style-type: none"> • The project proponent requested the representative to mention the village to which he belongs. 	<p>Regional Officer of GPCB informed that Mr. Pradip Thaker is from Ankleshwar area but without clarifying his location in beginning he started representation.</p>	<p>No actions required from company.</p>

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		clearance in this regard			
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 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 	<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 		No further action required

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		<ul style="list-style-type: none"> • 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"> • 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.	
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

KADAM ENVIRONMENTAL CONSULTANTS

An ISO 9001-2015 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from October-2023 to March-2024

3A. AMBIENT AIR QUALITY MONITORING: -

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

Sr. No.	Date of Sampling	Location-1: Near EHS Building											
		PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	Pb	As	O ₃	Ni	C ₆ H ₆	CO	BaP
		µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	µg/m ³	mg/m ³	ng/m ³
1	03.10.2023	71	34	11.58	18.98	<10	<1	<5	<1	<1	<3	0.658	<0.5
2	06.10.2023	67	38	13.19	18.44	<10	<1	<5	<1	<1	<3	0.644	<0.5
3	09.10.2023	69	32	13.56	18.25	<10	<1	<5	<1	<1	<3	0.491	<0.5
4	12.10.2023	81	38	13.12	14.17	<10	<1	<5	<1	<1	<3	0.558	<0.5
5	16.10.2023	67	39	11.28	16.08	<10	<1	<5	<1	<1	<3	0.668	<0.5
6	19.10.2023	68	34	12.31	16.34	<10	<1	<5	<1	<1	<3	0.603	<0.5
7	23.10.2023	74	39	11.30	15.29	<10	<1	<5	<1	<1	<3	0.558	<0.5
8	26.10.2023	69	40	11.74	17.71	<10	<1	<5	<1	<1	<3	0.481	<0.5
9	30.10.2023	75	38	11.91	19.68	<10	<1	<5	<1	<1	<3	0.643	<0.5
10	01.11.2023	73	36	11.78	17.98	<10	<1	<5	<1	<1	<3	0.606	<0.5
11	06.11.2023	71	39	14.19	18.64	<10	<1	<5	<1	<1	<3	0.511	<0.5
12	09.11.2023	69	32	13.56	18.25	<10	<1	<5	<1	<1	<3	0.514	<0.5
13	16.11.2023	85	37	13.28	16.47	<10	<1	<5	<1	<1	<3	0.617	<0.5
14	17.11.2023	67	39	11.28	16.08	<10	<1	<5	<1	<1	<3	0.641	<0.5
15	20.11.2023	68	34	12.31	16.34	<10	<1	<5	<1	<1	<3	0.718	<0.5
16	23.11.2023	72	35	12.30	15.19	<10	<1	<5	<1	<1	<3	0.975	<0.5
17	27.11.2023	75	37	11.44	17.91	<10	<1	<5	<1	<1	<3	0.567	<0.5
18	29.11.2023	70	30	11.71	19.18	<10	<1	<5	<1	<1	<3	0.708	<0.5
19	01.12.2023	74	37	12.78	16.98	<10	<1	<5	<1	<1	<3	0.653	<0.5
20	04.12.2023	72	40	14.27	18.62	<10	<1	<5	<1	<1	<3	0.613	<0.5
21	07.12.2023	65	33	13.51	18.27	<10	<1	<5	<1	<1	<3	0.588	<0.5
22	11.12.2023	85	37	13.22	16.45	<10	<1	<5	<1	<1	<3	0.591	<0.5
23	14.12.2023	64	37	11.38	16.48	<10	<1	<5	<1	<1	<3	0.713	<0.5
24	18.12.2023	64	32	13.31	16.34	<10	<1	<5	<1	<1	<3	0.558	<0.5
25	21.12.2023	72	35	12.30	15.19	<10	<1	<5	<1	<1	<3	0.578	<0.5
26	25.12.2023	75	37	11.44	17.91	<10	<1	<5	<1	<1	<3	0.591	<0.5
27	28.12.2023	70	30	11.71	19.29	<10	<1	<5	<1	<1	<3	0.563	<0.5
28	01.01.2024	71	37	11.58	18.98	<10	<1	<5	<1	<1	<3	0.558	<0.5
29	04.01.2024	73	35	14.21	18.62	<10	<1	<5	<1	<1	<3	0.498	<0.5
30	08.01.2024	70	36	13.52	18.25	<10	<1	<5	<1	<1	<3	0.691	<0.5
31	11.01.2024	88	39	13.35	16.47	<10	<1	<5	<1	<1	<3	0.558	<0.5
32	15.01.2024	68	32	11.31	16.08	<10	<1	<5	<1	<1	<3	0.667	<0.5
33	18.01.2024	68	37	12.30	16.34	<10	<1	<5	<1	<1	<3	0.660	<0.5
34	22.01.2024	73	41	12.39	15.27	<10	<1	<5	<1	<1	<3	0.714	<0.5
35	25.01.2024	74	37	11.54	17.91	<10	<1	<5	<1	<1	<3	0.719	<0.5
36	29.01.2024	70	33	11.60	19.18	<10	<1	<5	<1	<1	<3	0.548	<0.5
37	01.02.2024	70	35	11.55	18.68	<10	<1	<5	<1	<1	<3	0.618	<0.5
38	05.02.2024	72	36	14.23	18.55	<10	<1	<5	<1	<1	<3	0.568	<0.5
39	08.02.2024	69	37	13.12	18.55	<10	<1	<5	<1	<1	<3	0.683	<0.5
40	12.02.2024	89	37	13.33	16.67	<10	<1	<5	<1	<1	<3	0.653	<0.5
41	15.02.2024	65	30	11.31	16.08	<10	<1	<5	<1	<1	<3	0.671	<0.5
42	19.02.2024	70	39	12.30	16.34	<10	<1	<5	<1	<1	<3	0.646	<0.5
43	22.02.2024	72	40	12.36	15.17	<10	<1	<5	<1	<1	<3	0.568	<0.5
44	26.02.2024	75	39	11.35	17.85	<10	<1	<5	<1	<1	<3	0.588	<0.5
45	29.02.2024	71	35	11.38	19.22	<10	<1	<5	<1	<1	<3	0.518	<0.5
46	01.03.2024	71	36	11.59	18.48	<10	<1	<5	<1	<1	<3	0.632	<0.5
47	04.03.2024	75	38	14.24	18.68	<10	<1	<5	<1	<1	<3	0.558	<0.5
48	06.03.2024	67	38	13.12	18.55	<10	<1	<5	<1	<1	<3	0.562	<0.5
49	11.03.2024	89	37	13.33	16.67	<10	<1	<5	<1	<1	<3	0.771	<0.5
50	14.03.2024	65	30	11.37	16.08	<10	<1	<5	<1	<1	<3	0.523	<0.5
51	18.03.2024	71	34	12.30	16.34	<10	<1	<5	<1	<1	<3	0.681	<0.5
52	21.03.2024	72	40	12.36	15.17	<10	<1	<5	<1	<1	<3	0.574	<0.5
53	26.03.2024	75	40	11.24	17.77	<10	<1	<5	<1	<1	<3	0.644	<0.5
54	28.03.2024	71	35	11.34	19.21	<10	<1	<5	<1	<1	<3	0.656	<0.5

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: Detection Limit, Lead as Pb: 0.1µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³

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ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from October-2023 to March-2024

3A. AMBIENT AIR QUALITY MONITORING: -

Table No.: 1.1 - Ambient Air Quality Monitoring Results At Near SS 7B Building

Sr. No.	Date of Sampling	Location-2: Near SS 7B Building											
		PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	Pb	As	O ₃	Ni	C ₆ H ₆	CO	BaP
		µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	µg/m ³	mg/m ³	ng/m ³
1	03.10.2023	82	47	15.35	24.19	<10	<1	<5	<1	<1	<3	0.713	<0.5
2	06.10.2023	85	49	19.41	22.66	<10	<1	<5	<1	<1	<3	0.702	<0.5
3	09.10.2023	83	46	12.33	14.39	<10	<1	<5	<1	<1	<3	0.533	<0.5
4	12.10.2023	68	46	12.65	14.77	<10	<1	<5	<1	<1	<3	0.530	<0.5
5	16.10.2023	83	48	19.09	21.54	<10	<1	<5	<1	<1	<3	0.543	<0.5
6	19.10.2023	87	50	12.62	18.69	<10	<1	<5	<1	<1	<3	0.619	<0.5
7	23.10.2023	87	45	15.07	17.65	<10	<1	<5	<1	<1	<3	0.709	<0.5
8	26.10.2023	70	35	12.24	16.16	<10	<1	<5	<1	<1	<3	0.571	<0.5
9	30.10.2023	87	48	12.55	20.14	<10	<1	<5	<1	<1	<3	0.587	<0.5
10	01.11.2023	85	45	15.75	23.19	<10	<1	<5	<1	<1	<3	0.588	<0.5
11	06.11.2023	87	48	20.41	27.66	<10	<1	<5	<1	<1	<3	0.710	<0.5
12	09.11.2023	83	46	12.33	14.39	<10	<1	<5	<1	<1	<3	0.618	<0.5
13	16.11.2023	88	47	12.65	14.77	<10	<1	<5	<1	<1	<3	0.701	<0.5
14	17.11.2023	83	48	19.09	21.54	<10	<1	<5	<1	<1	<3	0.630	<0.5
15	20.11.2023	87	50	12.62	18.69	<10	<1	<5	<1	<1	<3	0.658	<0.5
16	23.11.2023	86	48	15.07	16.75	<10	<1	<5	<1	<1	<3	0.713	<0.5
17	27.11.2023	84	48	16.84	26.16	<10	<1	<5	<1	<1	<3	0.638	<0.5
18	29.11.2023	87	48	17.55	20.14	<10	<1	<5	<1	<1	<3	0.580	<0.5
19	01.12.2023	84	44	15.55	23.29	<10	<1	<5	<1	<1	<3	0.589	<0.5
20	04.12.2023	88	47	20.40	27.46	<10	<1	<5	<1	<1	<3	0.644	<0.5
21	07.12.2023	87	42	12.44	14.50	<10	<1	<5	<1	<1	<3	0.812	<0.5
22	11.12.2023	87	45	12.69	14.71	<10	<1	<5	<1	<1	<3	0.575	<0.5
23	14.12.2023	83	45	19.17	21.27	<10	<1	<5	<1	<1	<3	0.538	<0.5
24	18.12.2023	86	51	12.62	18.69	<10	<1	<5	<1	<1	<3	0.594	<0.5
25	21.12.2023	86	48	15.18	16.33	<10	<1	<5	<1	<1	<3	0.571	<0.5
26	25.12.2023	84	48	16.84	26.16	<10	<1	<5	<1	<1	<3	0.723	<0.5
27	28.12.2023	82	49	17.51	20.17	<10	<1	<5	<1	<1	<3	0.626	<0.5
28	01.01.2024	84	44	15.65	23.29	<10	<1	<5	<1	<1	<3	0.616	<0.5
29	04.01.2024	89	46	20.63	26.66	<10	<1	<5	<1	<1	<3	0.594	<0.5
30	08.01.2024	83	44	12.39	14.39	<10	<1	<5	<1	<1	<3	0.664	<0.5
31	11.01.2024	86	49	12.67	14.77	<10	<1	<5	<1	<1	<3	0.488	<0.5
32	15.01.2024	86	49	19.24	21.54	<10	<1	<5	<1	<1	<3	0.548	<0.5
33	18.01.2024	83	52	12.74	18.69	<10	<1	<5	<1	<1	<3	0.558	<0.5
34	22.01.2024	89	47	15.18	16.75	<10	<1	<5	<1	<1	<3	0.708	<0.5
35	25.01.2024	83	48	16.35	26.16	<10	<1	<5	<1	<1	<3	0.686	<0.5
36	29.01.2024	89	46	17.67	20.14	<10	<1	<5	<1	<1	<3	0.673	<0.5
37	01.02.2024	85	43	15.65	23.39	<10	<1	<5	<1	<1	<3	0.702	<0.5
38	05.02.2024	88	45	20.23	25.66	<10	<1	<5	<1	<1	<3	0.559	<0.5
39	08.02.2024	84	45	12.39	14.59	<10	<1	<5	<1	<1	<3	0.593	<0.5
40	12.02.2024	84	48	12.57	14.17	<10	<1	<5	<1	<1	<3	0.575	<0.5
41	15.02.2024	87	48	19.24	21.54	<10	<1	<5	<1	<1	<3	0.610	<0.5
42	19.02.2024	86	55	12.74	18.69	<10	<1	<5	<1	<1	<3	0.558	<0.5
43	22.02.2024	88	47	15.26	16.68	<10	<1	<5	<1	<1	<3	0.616	<0.5
44	26.02.2024	83	48	16.15	26.24	<10	<1	<5	<1	<1	<3	0.569	<0.5
45	29.02.2024	86	46	17.67	20.35	<10	<1	<5	<1	<1	<3	0.531	<0.5
46	01.03.2024	83	40	15.85	23.19	<10	<1	<5	<1	<1	<3	0.524	<0.5
47	04.03.2024	88	44	20.23	25.66	<10	<1	<5	<1	<1	<3	0.577	<0.5
48	06.03.2024	83	47	12.39	14.59	<10	<1	<5	<1	<1	<3	0.488	<0.5
49	11.03.2024	84	48	12.57	14.17	<10	<1	<5	<1	<1	<3	0.699	<0.5
50	14.03.2024	87	48	19.11	21.54	<10	<1	<5	<1	<1	<3	0.566	<0.5
51	18.03.2024	86	55	12.74	18.69	<10	<1	<5	<1	<1	<3	0.736	<0.5
52	21.03.2024	88	47	15.26	16.68	<10	<1	<5	<1	<1	<3	0.660	<0.5
53	26.03.2024	83	48	16.15	26.14	<10	<1	<5	<1	<1	<3	0.547	<0.5
54	28.03.2024	86	47	17.67	20.30	<10	<1	<5	<1	<1	<3	0.655	<0.5

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: Detection Limit, Lead as Pb: 0.1µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³

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ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from October-2023 to March-2024

3A. AMBIENT AIR QUALITY MONITORING: -

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

Sr. No.	Date of Sampling	Location-3: Near Marine Building											
		PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	Pb	As	O ₃	Ni	C ₆ H ₆	CO	BaP
		µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	µg/m ³	mg/m ³	ng/m ³
1	03.10.2023	82	45	17.28	25.15	<10	<1	<5	<1	<1	<3	0.612	<0.5
2	06.10.2023	88	45	17.50	23.11	<10	<1	<5	<1	<1	<3	0.668	<0.5
3	09.10.2023	84	49	17.19	13.64	<10	<1	<5	<1	<1	<3	0.546	<0.5
4	12.10.2023	85	49	12.26	23.08	<10	<1	<5	<1	<1	<3	0.586	<0.5
5	16.10.2023	85	45	18.56	24.48	<10	<1	<5	<1	<1	<3	0.574	<0.5
6	19.10.2023	84	45	12.15	30.09	<10	<1	<5	<1	<1	<3	0.722	<0.5
7	23.10.2023	87	48	17.12	22.36	<10	<1	<5	<1	<1	<3	0.668	<0.5
8	26.10.2023	84	47	12.56	25.49	<10	<1	<5	<1	<1	<3	0.630	<0.5
9	30.10.2023	88	46	13.29	17.57	<10	<1	<5	<1	<1	<3	0.674	<0.5
10	01.11.2023	87	50	17.28	25.15	<10	<1	<5	<1	<1	<3	0.613	<0.5
11	06.11.2023	88	47	17.99	23.91	<10	<1	<5	<1	<1	<3	0.703	<0.5
12	09.11.2023	84	49	17.19	13.64	<10	<1	<5	<1	<1	<3	0.668	<0.5
13	16.11.2023	84	48	15.26	23.08	<10	<1	<5	<1	<1	<3	0.587	<0.5
14	17.11.2023	85	45	18.56	24.48	<10	<1	<5	<1	<1	<3	0.558	<0.5
15	20.11.2023	84	45	12.15	30.09	<10	<1	<5	<1	<1	<3	0.616	<0.5
16	23.11.2023	87	50	17.22	22.68	<10	<1	<5	<1	<1	<3	0.810	<0.5
17	27.11.2023	86	47	18.56	28.49	<10	<1	<5	<1	<1	<3	0.592	<0.5
18	29.11.2023	82	49	13.29	17.57	<10	<1	<5	<1	<1	<3	0.663	<0.5
19	01.12.2023	86	48	17.24	25.35	<10	<1	<5	<1	<1	<3	0.813	<0.5
20	04.12.2023	85	45	17.89	23.75	<10	<1	<5	<1	<1	<3	0.703	<0.5
21	07.12.2023	81	50	17.92	13.36	<10	<1	<5	<1	<1	<3	0.732	<0.5
22	11.12.2023	83	47	15.33	23.04	<10	<1	<5	<1	<1	<3	0.568	<0.5
23	14.12.2023	84	49	18.69	24.48	<10	<1	<5	<1	<1	<3	0.559	<0.5
24	18.12.2023	83	45	12.15	30.09	<10	<1	<5	<1	<1	<3	0.475	<0.5
25	21.12.2023	87	50	17.21	22.78	<10	<1	<5	<1	<1	<3	0.606	<0.5
26	25.12.2023	86	47	18.56	28.49	<10	<1	<5	<1	<1	<3	0.734	<0.5
27	28.12.2023	87	44	13.38	17.51	<10	<1	<5	<1	<1	<3	0.671	<0.5
28	01.01.2024	88	51	17.18	25.05	<10	<1	<5	<1	<1	<3	0.534	<0.5
29	04.01.2024	85	49	17.87	23.68	<10	<1	<5	<1	<1	<3	0.644	<0.5
30	08.01.2024	87	46	17.23	13.64	<10	<1	<5	<1	<1	<3	0.638	<0.5
31	11.01.2024	84	47	15.35	23.08	<10	<1	<5	<1	<1	<3	0.686	<0.5
32	15.01.2024	83	47	18.67	24.66	<10	<1	<5	<1	<1	<3	0.596	<0.5
33	18.01.2024	87	47	12.18	30.68	<10	<1	<5	<1	<1	<3	0.622	<0.5
34	22.01.2024	87	51	17.29	22.87	<10	<1	<5	<1	<1	<3	0.575	<0.5
35	25.01.2024	88	47	18.75	28.69	<10	<1	<5	<1	<1	<3	0.669	<0.5
36	29.01.2024	81	48	13.32	17.58	<10	<1	<5	<1	<1	<3	0.717	<0.5
37	01.02.2024	87	50	17.22	25.15	<10	<1	<5	<1	<1	<3	0.691	<0.5
38	05.02.2024	84	48	17.87	23.68	<10	<1	<5	<1	<1	<3	0.641	<0.5
39	08.02.2024	87	49	17.29	13.66	<10	<1	<5	<1	<1	<3	0.580	<0.5
40	12.02.2024	86	45	15.38	23.12	<10	<1	<5	<1	<1	<3	0.565	<0.5
41	15.02.2024	82	46	18.67	24.66	<10	<1	<5	<1	<1	<3	0.576	<0.5
42	19.02.2024	84	47	12.18	30.68	<10	<1	<5	<1	<1	<3	0.529	<0.5
43	22.02.2024	85	50	17.32	22.93	<10	<1	<5	<1	<1	<3	0.595	<0.5
44	26.02.2024	88	43	18.35	28.79	<10	<1	<5	<1	<1	<3	0.622	<0.5
45	29.02.2024	81	48	13.30	17.52	<10	<1	<5	<1	<1	<3	0.576	<0.5
46	01.03.2024	89	49	17.25	25.17	<10	<1	<5	<1	<1	<3	0.478	<0.5
47	04.03.2024	84	48	17.87	23.68	<10	<1	<5	<1	<1	<3	0.580	<0.5
48	06.03.2024	88	50	17.29	13.66	<10	<1	<5	<1	<1	<3	0.557	<0.5
49	11.03.2024	86	45	15.38	23.12	<10	<1	<5	<1	<1	<3	0.673	<0.5
50	14.03.2024	82	46	18.67	24.66	<10	<1	<5	<1	<1	<3	0.574	<0.5
51	18.03.2024	84	47	12.18	30.68	<10	<1	<5	<1	<1	<3	0.591	<0.5
52	21.03.2024	85	50	17.32	22.93	<10	<1	<5	<1	<1	<3	0.766	<0.5
53	26.03.2024	88	43	18.35	28.85	<10	<1	<5	<1	<1	<3	0.567	<0.5
54	28.03.2024	82	49	13.35	17.57	<10	<1	<5	<1	<1	<3	0.564	<0.5

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

Note: Detection Limit, Lead as Pb: 0.1µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³



871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.

Phone : (O) 0265 - 6131000, 6131001

ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from October-2023 to March-2024

3A. AMBIENT AIR QUALITY MONITORING: -

Table No.: 1.1 - Ambient Air Quality Monitoring Results At Near GCPL Main Gate

Sr. No.	Date of Sampling	Location-4: Near GCPL Main Gate											
		PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	Pb	As	O ₃	Ni	C ₆ H ₆	CO	BaP
		µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	µg/m ³	mg/m ³	ng/m ³
1	03.10.2023	60	27	11.57	17.39	<10	<1	<5	<1	<1	<3	0.581	<0.5
2	06.10.2023	70	30	11.75	18.32	<10	<1	<5	<1	<1	<3	0.611	<0.5
3	09.10.2023	70	26	13.24	14.87	<10	<1	<5	<1	<1	<3	0.604	<0.5
4	12.10.2023	77	26	12.52	15.65	<10	<1	<5	<1	<1	<3	0.721	<0.5
5	16.10.2023	67	42	13.06	17.26	<10	<1	<5	<1	<1	<3	0.628	<0.5
6	19.10.2023	60	21	13.04	17.77	<10	<1	<5	<1	<1	<3	0.584	<0.5
7	23.10.2023	66	28	13.50	16.74	<10	<1	<5	<1	<1	<3	0.590	<0.5
8	26.10.2023	57	29	13.14	17.54	<10	<1	<5	<1	<1	<3	0.691	<0.5
9	30.10.2023	63	28	12.49	15.85	<10	<1	<5	<1	<1	<3	0.592	<0.5
10	01.11.2023	66	29	12.57	19.39	<10	<1	<5	<1	<1	<3	0.517	<0.5
11	06.11.2023	69	28	12.75	18.32	<10	<1	<5	<1	<1	<3	0.680	<0.5
12	09.11.2023	70	26	13.24	14.87	<10	<1	<5	<1	<1	<3	0.574	<0.5
13	16.11.2023	77	26	12.52	15.65	<10	<1	<5	<1	<1	<3	0.713	<0.5
14	17.11.2023	67	42	13.06	17.26	<10	<1	<5	<1	<1	<3	0.611	<0.5
15	20.11.2023	60	21	13.04	17.77	<10	<1	<5	<1	<1	<3	0.528	<0.5
16	23.11.2023	63	29	14.87	16.89	<10	<1	<5	<1	<1	<3	0.734	<0.5
17	27.11.2023	55	29	13.68	17.84	<10	<1	<5	<1	<1	<3	0.489	<0.5
18	29.11.2023	66	27	13.49	16.85	<10	<1	<5	<1	<1	<3	0.718	<0.5
19	01.12.2023	66	27	12.52	19.40	<10	<1	<5	<1	<1	<3	0.419	<0.5
20	04.12.2023	68	28	12.64	18.22	<10	<1	<5	<1	<1	<3	0.534	<0.5
21	07.12.2023	71	22	13.47	14.68	<10	<1	<5	<1	<1	<3	0.672	<0.5
22	11.12.2023	75	28	12.47	15.69	<10	<1	<5	<1	<1	<3	0.584	<0.5
23	14.12.2023	67	42	13.27	17.38	<10	<1	<5	<1	<1	<3	0.619	<0.5
24	18.12.2023	60	21	13.04	17.77	<10	<1	<5	<1	<1	<3	0.610	<0.5
25	21.12.2023	63	29	14.69	16.89	<10	<1	<5	<1	<1	<3	0.618	<0.5
26	25.12.2023	57	29	13.81	17.84	<10	<1	<5	<1	<1	<3	0.689	<0.5
27	28.12.2023	63	26	13.58	16.66	<10	<1	<5	<1	<1	<3	0.609	<0.5
28	01.01.2024	65	28	12.19	19.41	<10	<1	<5	<1	<1	<3	0.648	<0.5
29	04.01.2024	68	27	12.63	18.34	<10	<1	<5	<1	<1	<3	0.534	<0.5
30	08.01.2024	73	27	13.27	14.87	<10	<1	<5	<1	<1	<3	0.701	<0.5
31	11.01.2024	78	28	12.67	15.65	<10	<1	<5	<1	<1	<3	0.713	<0.5
32	15.01.2024	65	45	13.35	17.57	<10	<1	<5	<1	<1	<3	0.504	<0.5
33	18.01.2024	60	25	13.17	17.47	<10	<1	<5	<1	<1	<3	0.632	<0.5
34	22.01.2024	66	31	14.68	16.89	<10	<1	<5	<1	<1	<3	0.568	<0.5
35	25.01.2024	56	27	13.62	17.54	<10	<1	<5	<1	<1	<3	0.700	<0.5
36	29.01.2024	62	29	13.14	16.55	<10	<1	<5	<1	<1	<3	0.686	<0.5
37	01.02.2024	63	29	12.21	19.46	<10	<1	<5	<1	<1	<3	0.598	<0.5
38	05.02.2024	67	26	13.63	18.34	<10	<1	<5	<1	<1	<3	0.660	<0.5
39	08.02.2024	71	25	13.07	14.82	<10	<1	<5	<1	<1	<3	0.559	<0.5
40	12.02.2024	77	26	12.27	15.35	<10	<1	<5	<1	<1	<3	0.639	<0.5
41	15.02.2024	67	45	13.35	17.57	<10	<1	<5	<1	<1	<3	0.558	<0.5
42	19.02.2024	60	28	13.17	17.47	<10	<1	<5	<1	<1	<3	0.609	<0.5
43	22.02.2024	66	32	14.35	16.68	<10	<1	<5	<1	<1	<3	0.583	<0.5
44	26.02.2024	56	27	13.62	17.34	<10	<1	<5	<1	<1	<3	0.619	<0.5
45	29.02.2024	67	29	13.68	16.21	<10	<1	<5	<1	<1	<3	0.631	<0.5
46	01.03.2024	62	28	12.21	19.46	<10	<1	<5	<1	<1	<3	0.754	<0.5
47	04.03.2024	66	26	13.63	18.34	<10	<1	<5	<1	<1	<3	0.741	<0.5
48	06.03.2024	72	27	13.07	14.82	<10	<1	<5	<1	<1	<3	0.668	<0.5
49	11.03.2024	77	26	12.27	15.35	<10	<1	<5	<1	<1	<3	0.704	<0.5
50	14.03.2024	69	44	13.38	17.57	<10	<1	<5	<1	<1	<3	0.699	<0.5
51	18.03.2024	60	28	13.17	17.47	<10	<1	<5	<1	<1	<3	0.578	<0.5
52	21.03.2024	66	32	14.35	16.68	<10	<1	<5	<1	<1	<3	0.745	<0.5
53	26.03.2024	56	27	13.68	17.34	<10	<1	<5	<1	<1	<3	0.623	<0.5
54	28.03.2024	67	28	13.55	16.21	<10	<1	<5	<1	<1	<3	0.625	<0.5

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: Detection Limit, Lead as Pb: 0.1µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³



ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from October-2023 to March-2024

3A. AMBIENT AIR QUALITY MONITORING: -

Table No.: 1.1 - Ambient Air Quality Monitoring Results At Near Silo Main Gate

Sr. No.	Date of Sampling	Location-5: Near Silo Main Gate											
		PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	Pb	As	O ₃	Ni	C ₆ H ₆	CO	BaP
		µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	µg/m ³	mg/m ³	ng/m ³
1	03.10.2023	65	24	12.59	15.36	<10	<1	<5	<1	<1	<3	0.493	<0.5
2	06.10.2023	67	24	12.98	15.68	<10	<1	<5	<1	<1	<3	0.714	<0.5
3	09.10.2023	71	24	12.78	12.69	<10	<1	<5	<1	<1	<3	0.680	<0.5
4	12.10.2023	68	27	12.38	19.36	<10	<1	<5	<1	<1	<3	0.699	<0.5
5	16.10.2023	64	25	12.12	16.68	<10	<1	<5	<1	<1	<3	0.639	<0.5
6	19.10.2023	57	29	12.85	15.27	<10	<1	<5	<1	<1	<3	0.684	<0.5
7	23.10.2023	59	24	12.35	15.09	<10	<1	<5	<1	<1	<3	0.488	<0.5
8	26.10.2023	68	27	12.98	15.68	<10	<1	<5	<1	<1	<3	0.732	<0.5
9	30.10.2023	64	24	11.54	19.36	<10	<1	<5	<1	<1	<3	0.691	<0.5
10	01.11.2023	62	23	11.59	16.36	<10	<1	<5	<1	<1	<3	0.481	<0.5
11	06.11.2023	67	24	12.98	15.68	<10	<1	<5	<1	<1	<3	0.718	<0.5
12	09.11.2023	71	24	12.78	12.69	<10	<1	<5	<1	<1	<3	0.498	<0.5
13	16.11.2023	68	27	12.38	19.36	<10	<1	<5	<1	<1	<3	0.544	<0.5
14	17.11.2023	64	25	12.12	16.68	<10	<1	<5	<1	<1	<3	0.628	<0.5
15	20.11.2023	57	29	12.85	15.27	<10	<1	<5	<1	<1	<3	0.607	<0.5
16	23.11.2023	66	27	12.35	15.09	<10	<1	<5	<1	<1	<3	0.694	<0.5
17	27.11.2023	65	29	12.98	15.68	<10	<1	<5	<1	<1	<3	0.477	<0.5
18	29.11.2023	64	25	11.54	19.36	<10	<1	<5	<1	<1	<3	0.638	<0.5
19	01.12.2023	61	23	11.54	16.27	<10	<1	<5	<1	<1	<3	0.534	<0.5
20	04.12.2023	65	24	12.88	15.57	<10	<1	<5	<1	<1	<3	0.648	<0.5
21	07.12.2023	68	26	12.65	12.49	<10	<1	<5	<1	<1	<3	0.688	<0.5
22	11.12.2023	68	25	12.35	19.37	<10	<1	<5	<1	<1	<3	0.660	<0.5
23	14.12.2023	65	27	12.18	16.33	<10	<1	<5	<1	<1	<3	0.680	<0.5
24	18.12.2023	57	29	12.85	15.27	<10	<1	<5	<1	<1	<3	0.637	<0.5
25	21.12.2023	66	27	12.35	15.09	<10	<1	<5	<1	<1	<3	0.599	<0.5
26	25.12.2023	65	29	12.98	15.74	<10	<1	<5	<1	<1	<3	0.566	<0.5
27	28.12.2023	61	28	11.77	19.69	<10	<1	<5	<1	<1	<3	0.593	<0.5
28	01.01.2024	63	25	11.62	16.68	<10	<1	<5	<1	<1	<3	0.719	<0.5
29	04.01.2024	69	29	12.57	15.64	<10	<1	<5	<1	<1	<3	0.581	<0.5
30	08.01.2024	71	26	12.69	12.69	<10	<1	<5	<1	<1	<3	0.584	<0.5
31	11.01.2024	65	25	12.28	19.36	<10	<1	<5	<1	<1	<3	0.691	<0.5
32	15.01.2024	64	28	12.17	16.68	<10	<1	<5	<1	<1	<3	0.604	<0.5
33	18.01.2024	56	29	12.89	15.27	<10	<1	<5	<1	<1	<3	0.541	<0.5
34	22.01.2024	63	26	12.47	15.19	<10	<1	<5	<1	<1	<3	0.557	<0.5
35	25.01.2024	69	29	12.14	15.68	<10	<1	<5	<1	<1	<3	0.569	<0.5
36	29.01.2024	67	27	11.68	19.37	<10	<1	<5	<1	<1	<3	0.579	<0.5
37	01.02.2024	65	26	11.44	16.86	<10	<1	<5	<1	<1	<3	0.614	<0.5
38	05.02.2024	68	27	12.47	15.64	<10	<1	<5	<1	<1	<3	0.708	<0.5
39	08.02.2024	73	29	12.50	12.99	<10	<1	<5	<1	<1	<3	0.534	<0.5
40	12.02.2024	67	24	12.28	19.36	<10	<1	<5	<1	<1	<3	0.660	<0.5
41	15.02.2024	64	28	12.17	16.68	<10	<1	<5	<1	<1	<3	0.628	<0.5
42	19.02.2024	54	26	12.89	15.27	<10	<1	<5	<1	<1	<3	0.633	<0.5
43	22.02.2024	63	28	12.40	15.21	<10	<1	<5	<1	<1	<3	0.726	<0.5
44	26.02.2024	67	26	12.26	15.77	<10	<1	<5	<1	<1	<3	0.547	<0.5
45	29.02.2024	65	26	11.36	19.30	<10	<1	<5	<1	<1	<3	0.660	<0.5
46	01.03.2024	64	25	11.47	16.86	<10	<1	<5	<1	<1	<3	0.589	<0.5
47	04.03.2024	68	27	12.47	15.64	<10	<1	<5	<1	<1	<3	0.699	<0.5
48	06.03.2024	75	31	12.50	12.99	<10	<1	<5	<1	<1	<3	0.698	<0.5
49	11.03.2024	67	24	12.28	19.36	<10	<1	<5	<1	<1	<3	0.788	<0.5
50	14.03.2024	64	25	12.17	16.68	<10	<1	<5	<1	<1	<3	0.645	<0.5
51	18.03.2024	54	26	12.89	15.27	<10	<1	<5	<1	<1	<3	0.471	<0.5
52	21.03.2024	63	28	12.40	15.21	<10	<1	<5	<1	<1	<3	0.608	<0.5
53	26.03.2024	67	26	12.33	15.84	<10	<1	<5	<1	<1	<3	0.496	<0.5
54	28.03.2024	65	26	11.36	19.28	<10	<1	<5	<1	<1	<3	0.633	<0.5

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/90/PC3-1 Dt: 18/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 8 hourly or 1 hourly monitored values

Note: Detection Limit, Lead as Pb: 0.1µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³


Authorized Signatory



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ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from October-2023 to March-2024

3A. AMBIENT AIR QUALITY MONITORING: -

Table No.: 1.1 - Ambient Air Quality Monitoring Results At Near SS-11 Railway

Sr. No.	Date of Sampling	Location-6: Near SS-11 Railway											
		PM ₁₀	PM _{2.5}	SO ₂	NO _x	NH ₃	Pb	As	O ₃	Ni	C ₆ H ₆	CO	BaP
		µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	ng/m ³	µg/m ³	ng/m ³	µg/m ³	mg/m ³	ng/m ³
1	03.10.2023	55	28	12.27	17.44	<10	<1	<5	<1	<1	<3	0.561	<0.5
2	06.10.2023	66	21	12.45	18.58	<10	<1	<5	<1	<1	<3	0.584	<0.5
3	09.10.2023	87	20	13.08	13.38	<10	<1	<5	<1	<1	<3	0.621	<0.5
4	12.10.2023	70	24	12.13	17.21	<10	<1	<5	<1	<1	<3	0.670	<0.5
5	16.10.2023	65	27	12.69	17.50	<10	<1	<5	<1	<1	<3	0.575	<0.5
6	19.10.2023	70	22	12.55	17.36	<10	<1	<5	<1	<1	<3	0.637	<0.5
7	23.10.2023	67	26	12.05	13.35	<10	<1	<5	<1	<1	<3	0.573	<0.5
8	26.10.2023	66	23	12.44	25.07	<10	<1	<5	<1	<1	<3	0.548	<0.5
9	30.10.2023	67	30	13.57	16.64	<10	<1	<5	<1	<1	<3	0.689	<0.5
10	01.11.2023	58	27	12.77	17.84	<10	<1	<5	<1	<1	<3	0.534	<0.5
11	06.11.2023	66	21	12.45	18.58	<10	<1	<5	<1	<1	<3	0.599	<0.5
12	09.11.2023	87	20	14.08	17.38	<10	<1	<5	<1	<1	<3	0.553	<0.5
13	16.11.2023	70	24	12.13	17.21	<10	<1	<5	<1	<1	<3	0.474	<0.5
14	17.11.2023	65	27	12.69	17.50	<10	<1	<5	<1	<1	<3	0.619	<0.5
15	20.11.2023	65	25	15.07	17.36	<10	<1	<5	<1	<1	<3	0.538	<0.5
16	23.11.2023	62	24	12.05	13.35	<10	<1	<5	<1	<1	<3	0.594	<0.5
17	27.11.2023	62	28	12.44	20.07	<10	<1	<5	<1	<1	<3	0.676	<0.5
18	29.11.2023	62	22	12.17	18.64	<10	<1	<5	<1	<1	<3	0.659	<0.5
19	01.12.2023	57	29	12.65	17.89	<10	<1	<5	<1	<1	<3	0.701	<0.5
20	04.12.2023	67	29	12.36	18.60	<10	<1	<5	<1	<1	<3	0.691	<0.5
21	07.12.2023	88	21	14.82	17.18	<10	<1	<5	<1	<1	<3	0.496	<0.5
22	11.12.2023	73	27	12.14	17.18	<10	<1	<5	<1	<1	<3	0.484	<0.5
23	14.12.2023	60	25	12.99	17.67	<10	<1	<5	<1	<1	<3	0.626	<0.5
24	18.12.2023	65	25	15.07	17.36	<10	<1	<5	<1	<1	<3	0.671	<0.5
25	21.12.2023	62	24	12.67	13.35	<10	<1	<5	<1	<1	<3	0.558	<0.5
26	25.12.2023	62	28	12.64	20.18	<10	<1	<5	<1	<1	<3	0.461	<0.5
27	28.12.2023	64	23	12.68	18.58	<10	<1	<5	<1	<1	<3	0.643	<0.5
28	01.01.2024	57	29	12.88	17.57	<10	<1	<5	<1	<1	<3	0.513	<0.5
29	04.01.2024	64	22	12.41	18.48	<10	<1	<5	<1	<1	<3	0.619	<0.5
30	08.01.2024	84	21	14.14	17.38	<10	<1	<5	<1	<1	<3	0.579	<0.5
31	11.01.2024	76	23	12.03	17.21	<10	<1	<5	<1	<1	<3	0.558	<0.5
32	15.01.2024	67	26	12.69	17.50	<10	<1	<5	<1	<1	<3	0.551	<0.5
33	18.01.2024	67	27	15.14	17.39	<10	<1	<5	<1	<1	<3	0.641	<0.5
34	22.01.2024	60	23	12.68	13.35	<10	<1	<5	<1	<1	<3	0.622	<0.5
35	25.01.2024	67	26	12.37	20.17	<10	<1	<5	<1	<1	<3	0.614	<0.5
36	29.01.2024	63	21	12.29	18.94	<10	<1	<5	<1	<1	<3	0.564	<0.5
37	01.02.2024	58	28	12.82	17.50	<10	<1	<5	<1	<1	<3	0.538	<0.5
38	05.02.2024	63	21	12.68	18.48	<10	<1	<5	<1	<1	<3	0.644	<0.5
39	08.02.2024	86	22	14.11	17.28	<10	<1	<5	<1	<1	<3	0.632	<0.5
40	12.02.2024	74	25	12.58	17.61	<10	<1	<5	<1	<1	<3	0.718	<0.5
41	15.02.2024	66	26	12.69	17.50	<10	<1	<5	<1	<1	<3	0.636	<0.5
42	19.02.2024	63	25	15.14	17.39	<10	<1	<5	<1	<1	<3	0.498	<0.5
43	22.02.2024	60	23	12.86	13.39	<10	<1	<5	<1	<1	<3	0.664	<0.5
44	26.02.2024	69	28	12.37	20.35	<10	<1	<5	<1	<1	<3	0.558	<0.5
45	29.02.2024	62	20	12.39	18.70	<10	<1	<5	<1	<1	<3	0.679	<0.5
46	01.03.2024	57	27	12.81	17.43	<10	<1	<5	<1	<1	<3	0.566	<0.5
47	04.03.2024	64	22	12.68	18.48	<10	<1	<5	<1	<1	<3	0.583	<0.5
48	06.03.2024	87	24	14.11	17.28	<10	<1	<5	<1	<1	<3	0.705	<0.5
49	11.03.2024	74	25	12.58	17.61	<10	<1	<5	<1	<1	<3	0.459	<0.5
50	14.03.2024	66	29	12.69	17.50	<10	<1	<5	<1	<1	<3	0.582	<0.5
51	18.03.2024	63	25	15.14	17.39	<10	<1	<5	<1	<1	<3	0.536	<0.5
52	21.03.2024	60	25	12.86	13.39	<10	<1	<5	<1	<1	<3	0.613	<0.5
53	26.03.2024	69	28	12.31	20.25	<10	<1	<5	<1	<1	<3	0.568	<0.5
54	28.03.2024	61	22	12.39	18.70	<10	<1	<5	<1	<1	<3	0.687	<0.5

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: Detection Limit, Lead as Pb: 0.1µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³

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ENVIRONMENTAL MONITORING REPORT

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

Table- 1: Ground Water Level & Quality Analysis (Pizometer) Results for the period:
October-2023 to March-2024

3B.1 Near EHS Building

SR. NO.	01-04-2023	UNIT	OBSERVATION					
			Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
			28.10.2023	21.11.2023	14.12.2023	25.01.2024	26.02.2024	22.03.2024
1	pH	--	8.18	7.25	7.75	7.44	7.42	7.56
2	Temperature	°C	27	28.6	26.4	26.8	24.6	29.8
3	Total Dissolved Solids	mg/L	448	106	536	436	458	508
4	Chloride as Cl	mg/L	140	28	105	137	141	172
5	Salinity	mg/L	234	51	189.955	247	254	268
6	Depth of Water Level from Ground Level	meter	2.1	2.1	2.1	2.1	2.1	2.1

3B.2 Near SS 7B Building

SR. NO.	TEST PARAMETER	UNIT	OBSERVATION					
			Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
			28.10.2023	21.11.2023	14.12.2023	25.01.2024	26.02.2024	22.03.2024
1	pH	--	8.25	7.12	7.78	7.28	7.34	7.42
2	Temperature	°C	27	28.6	26.4	26.8	24.6	29.8
3	Total Dissolved Solids	mg/L	424	96	540	336	361	398
4	Chloride as Cl	mg/L	184	43	119	174	182	146
5	Salinity	mg/L	322	77	214.73	313	316	328
6	Depth of Water Level from Ground Level	meter	2.2	2.1	2.2	2.2	2.2	2.1

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ENVIRONMENTAL MONITORING REPORT

Table No.: 3C.2 - Sea Water (Surface & Bottom) Quality Analysis Results of Sea Water North Side for the period: October-2023 to March-2024

SR. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE											
			Oct-23		Nov-23		Dec-23		Jan-24		Feb-24		Mar-24	
			28.10.2023		21.11.2023		14.12.2023		25.01.2024		26.02.2024		22.03.2024	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	7.45	7.83	7.11	7.39	7.63	7.82	7.5	7.4	7.57	7.49	7.59	7.49
2	Temperature	°C	27	27	28.6	28.6	26.4	26.4	26.2	26.2	25.7	25.7	29.1	29.1
3	Ammonical Nitrogen	mg/l	<0.05	<0.05	<0.05	<0.05	37.67	2.94	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4	Phosphate	mg/l	<0.02	<0.02	<0.02	<0.02	1.59	0.89	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
5	Nitrite	mg/L	<0.05	<0.05	<0.05	<0.05	0.8	0.58	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
6	Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1	27.95	23.25	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
7	COD	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
8	BOD at 27° C 3Days	mg/l	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
9	Total Dissolve Solids	mg/l	31810	34370	23367	26018	28108	29908	21524	23864	20638	24106	21730	24102
10	Total Suspended Solids	mg/l	30	23	148	137	3080	2888	12	8	15	11	16	14
11	Oil & Grease	mg/l	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12	Dissolve Oxygen (D.O)	mg/L	3.6	3.6	5.3	4.9	2.1	2.4	3	3.2	3.2	3.6	3.2	3.4
13	Salinity	mg/L	30766	30943	20391	23025	4063.39	3587.31	20892	20187	20798	20068	21696	20832
14	Total Nitrogen	mg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
15	Total Coliform Bacteria	MPN/100ml	>1600	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	11	47	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)
16	E.coli	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
17	Total Plate count	CFU/ml	25×10^2	18×10^2	35×10^2	15×10^2	16×10^2	7×10^2	21×10^2	11×10^2	24×10^2	13×10^2	25×10^2	15×10^2

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ENVIRONMENTAL MONITORING REPORT

Table No.: 3C.2 - Sea Water (Surface & Bottom) Quality Analysis Results of Sea Water South Side for the period: October-2023 to March-2024

SR. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SOUTH SIDE											
			Oct-23		Nov-23		Dec-23		Jan-24		Feb-24		Mar-24	
			28.10.2023		21.11.2023		14.12.2023		25.01.2024		26.02.2024		22.03.2024	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	6.86	7.66	6.7	6.93	7.78	7.9	7.59	7.31	7.63	7.37	7.64	7.42
2	Temperature	°C	27	27	28.6	28.6	26.4	26.4	26.2	26.2	25.7	25.7	28.9	28.9
3	Ammonical Nitrogen	mg/L	<0.05	<0.05	<0.05	<0.05	3.91	1.83	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4	Phosphate	mg/L	<0.02	<0.02	<0.02	<0.02	0.99	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
5	Nitrite	mg/L	<0.05	<0.05	<0.05	<0.05	0.67	0.58	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
6	Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1	36.73	28.34	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
7	COD	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
8	BOD at 27° C 3Days	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
9	Total Dissolve Solids	mg/L	35560	33332	28461	26983	29168	29448	21884	23220	22067	22896	22230	23786
10	Total Suspended Solids	mg/L	21	36	129	141	2532	3960	7	6	13	10	19	12
11	Oil & Grease	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12	Dissolve Oxygen (D.O)	mg/L	3.2	2.9	5.1	5.3	2.7	3.0	4	3.6	3.1	3.3	3.8	3.1
13	Salinity	mg/L	29797	31119	25488	24044	3326.10	3413.78	21157	22038	21214	22096	21357	22236
14	Total Nitrogen	mg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
15	Total Coliform Bacteria	MPN/100ml	N.D.(<1.8)	N.D.(<1.8)	540	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)	N.D.(<1.8)
16	E.coli	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
17	Total Plate count	CFU/ml	28×10^2	28×10^2	20×10^2	35×10^1	38×10^2	11×10^2	30×10^2	9×10^2	27×10^2	11×10^2	30×10^2	11×10^2


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ENVIRONMENTAL MONITORING REPORT

Table No.: 3C.2 - Drinking Water Quality Analysis Results for the period: October-2023 to March-2024

SR. NO.	TEST PARAMETERS	UNIT	RESULTS OF DRINKING WATER QUALITY ANALYSIS					
			Monitoring Location					
			PMC Office	PMC Office	Near Main Canteen	CG - 1	CG - 1	EHS Office
			Oct-23 28.10.2023	Nov-23 21.11.2023	Dec-23 14.12.2023	Jan-24 25.01.2024	Feb-24 26.02.2024	Mar-24 22.03.2024
1	pH		7.03	6.62	7.45	7.41	7.46	7.29
2	Turbidity	NTU	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3	Colour	Pt-CO	<1	<1	<1	<1	<1	<1
4	Sulphates	mg/L	<1	<1	<1	<1	<1	<1
5	Fluoride	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
6	Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7	Phenolic Compound	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
8	Aluminium	mg/L	<0.01	<0.01	<0.01	<0.03	<0.03	<0.01
9	Boron	mg/L	<0.01	<0.01	<0.01	<0.05	<0.05	<0.01
10	Arsenic	mg/L	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001
11	Selenium	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
12	Total Dissolved Solids	mg/L	136	148	116	294	278	334
13	Oil & Grease	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
14	Total Alkalinity	mg/L	90	20	100	110	120	140
15	Total Hardness	mg/L	120	120	90	180	170	190
16	Calcium	mg/L	29	6	15	26	24	27
17	Magnesium	mg/L	12	25	13	28	27	24
18	Sulphide	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
19	Residual Chlorine	mg/L	0.46	0.44	0.35	0.44	0.41	0.61
20	Chlorides	mg/L	18	8.00	13	63	68	79
21	Cadmium	mg/L	<0.001	<0.001	<0.001	<0.003	<0.003	<0.001
22	Lead	mg/L	<0.001	<0.001	<0.001	<0.01	<0.01	<0.001
23	Copper	mg/L	<0.001	<0.001	<0.001	<0.03	<0.03	<0.001
24	Iron	mg/L	<0.006	<0.006	<0.006	<0.05	<0.05	<0.006
25	Zinc	mg/L	<0.003	<0.003	<0.003	<0.03	<0.03	<0.003
26	Nickel	mg/L	<0.001	<0.001	<0.001	<0.02	<0.02	<0.001
27	Total Chromium	mg/L	<0.001	<0.001	<0.001	<0.02	<0.02	<0.001
28	Manganese	mg/L	<0.001	<0.001	<0.001	<0.02	<0.02	<0.001
29	Mercury	mg/L	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
30	Odour		Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
31	Cyanide	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
32	Ammonia	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
33	Total Coliform Bacteria	MPN/100ml	N.D.(<1.1)	N.D.(<1.1)	N.D.(<1.1)	N.D.(<1.1)	N.D.(<1.1)	N.D.(<1.1)
34	E.coli	/100ml	Absent	Absent	Absent	Absent	Absent	Absent


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ENVIRONMENTAL MONITORING REPORT

3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table - Sea Sediment Quality Analysis (North Side) Results for the period: October-2023 to March-2024

Sr. No.	PARAMETERS	UNIT	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
			28.10.2023	21.11.2023	14.12.2023	25.01.2024	26.02.2024	22.03.2024
1	Organic Matter	gm/kg	2.94	2.56	2.80	6.51	6.27	7.13
2	Aluminum	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
3	Chromium	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
4	Manganese	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
5	Iron	gm/kg	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6	Nickel	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
7	Copper	gm/kg	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
8	Zinc	gm/kg	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
9	Lead	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
10	Mercury	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
11	Total Phosphorous	gm/kg	N.D	N.D	N.D	N.D	N.D	N.D
12	Texture		Clay loam	Clay loam	Clay loam	Clay loam	Clay loam	Clay loam
13								
13.1	Sand	%	24	26	28	8	18	14
13.2	Clay	%	40	38	37	53	45	46
13.3	Silt	%	36	37	36	39	27	40

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

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**ENVIRONMENTAL MONITORING REPORT****3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -****Table - Sea Sediment Quality Analysis (South Side) Results for the period: October-2023 to March-2024**

Sr. No.	PARAMETERS	UNIT	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
			28.10.2023	21.11.2023	14.12.2023	25.01.2024	26.02.2024	22.03.2024
1	Organic Matter	gm/kg	3.16	3.46	3.73	5.97	6.01	6.96
2	Aluminum	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
3	Chromium	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
4	Manganese	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
5	Iron	gm/kg	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6	Nickel	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
7	Copper	gm/kg	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
8	Zinc	gm/kg	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006	<0.0006
9	Lead	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
10	Mercury	gm/kg	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004	<0.0004
11	Total Phosphorous	gm/kg	N.D	N.D	N.D	N.D	N.D	N.D
12	Texture		Clay loam	Clay loam	Clay loam	Clay loam	Clay loam	Clay loam
13	Particle Size							
13.1	Sand	%	28	27	25	9	24	19
13.2	Clay	%	41	39	40	51	48	46
13.3	Silt	%	31	34	35	40	28	35

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

Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -

Table - Dump Pond Water Quality Analysis Results for the period:
October-2023 to March-2024

Sr. No.	Test Parameters	Unit	Nov-23			Feb-24		
			21.11.2023	21.11.2023	21.11.2023	26.02.2024	26.02.2024	26.02.2024
			Dump Pond - 1	Dump Pond - 2	Dump Pond - 3	Dump Pond - 1	Dump Pond - 2	Dump Pond - 3
1.	pH		6.21	6.43	6.91	6.91	7.38	7.41
2.	Turbidity	NTU	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3.	Fluoride	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4.	COD	mg/L	58	66	87	106	102	90
5.	BOD at 27° C 3Days	mg/L	17	20	26	27	25	23
6.	Total Dissolve Solids	mg/L	657	704	719	660	728	796
7.	Total Suspended Solids	mg/L	19	11	7	4	5	6
8.	Oil & Grease	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
9.	Dissolve Oxygen (D.O)	mg/L	6.9	6.6	6	2.6	2.4	2.9
10.	Total Hardness	mg/L	830	890	920	878	960	880
11.	Chloride	mg/L	47	57	52	97.52	83.59	69.66
12.	Cadmium	mg/L	<0.001	<0.001	<0.001	<0.01	<0.01	<0.01
13.	Lead	mg/L	<0.001	<0.001	<0.001	<0.02	<0.02	<0.02
14.	Zinc	mg/L	<0.003	<0.003	<0.003	<0.03	<0.03	<0.03
15.	Mercury	mg/L	<0.001	<0.001	<0.001	<0.02	<0.02	<0.02
16.	Salinity	mg/L	85	102	93	125.52	175.72	150.61

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

Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3F. STP TREATED WATER QUALITY ANALYSIS MONITORING: -
TABLE - STP TREATED WATER QUALITY ANALYSIS RESULTS FOR THE PERIOD:
October-2023 TO March-2024

SR. NO.	TEST PARAMETERS	UNIT	STP Treated Water Quality Analysis Results					
			Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
			28.10.2023	21.11.2023	14.12.2023	25.01.2024	26.02.2024	22.03.2024
1.	pH	--	6.44	6.82	7.21	7.52	7.44	7.63
2.	BOD (5 Days @ 20 °C)	mg/L	4	14	12	15	12	14
3.	Total Suspended Solids	mg/L	23	22	17	10	9	11
4.	Residual Free Chlorine	mg/L	0.89	0.62	0.86	2.66	1.81	1.69

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


Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 1 - Near Substation – 6 Back side Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	1 - Near Substation – 6 Back side					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	02.10.2023 & 03.10.2023	01.11.2023 & 02.11.2023	01.12.2023 & 02.12.2023	01.01.2024 & 02.01.2024	01.02.2024 & 02.02.2024	01.03.2024 & 02.03.2024
6:00-7:00	58.4	58.3	50.6	55.4	51.6	48.7
7:00-8:00	65.9	60.2	52.4	59.6	50.9	53.2
8:00-9:00	60.1	58.4	52.9	66.0	55.3	54.6
9:00-10:00	61.6	66.4	58.1	61.6	58.6	54.7
10:00-11:00	55.3	57.8	63.2	57.8	57.8	60.2
11:00-12:00	57.4	61.9	61.5	57.4	57.4	52.3
12:00-13:00	52.6	56.4	60.4	58.0	54.6	62.8
13:00-14:00	65.3	70.8	65.2	65.3	60.9	65.4
14:00-15:00	60.8	65.1	59.8	51.9	65.9	59.2
15:00-16:00	57.6	63.0	63.6	52.6	59.8	68.4
16:00-17:00	58.0	67.2	54.2	58.0	68.0	68.0
17:00-18:00	67.3	62.5	62.5	60.9	62.5	62.5
18:00-19:00	59.5	60.1	69.7	59.5	59.5	54.2
19:00-20:00	51.3	57.3	60.3	51.0	63.2	51.0
20:00-21:00	53.2	60.6	57.3	53.2	57.4	57.4
21:00-22:00	63.7	64.4	61.9	60.1	60.1	55.1
22:00-23:00	55.8	59.9	64.5	55.8	55.3	55.3
23:00-00:00	61.8	67.8	50.4	52.3	48.6	60.2
00:00-01:00	58.3	60.2	56.0	55.9	52.3	54.7
01:00-02:00	51.2	68.6	52.3	51.2	51.2	50.6
02:00-03:00	65.9	59.4	59.4	61.2	54.9	48.6
03:00-04:00	62.7	57.6	51.3	60.9	50.3	50.3
04:00-05:00	57.5	60.3	55.4	52.6	52.6	51.9
05:00-06:00	50.9	55.9	52.6	50.9	50.8	55.4

*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.

Authorized Signatory

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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 2 - Behind QHSE Office Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	2 - Behind QHSE Office					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	02.10.2023 & 03.10.2023	01.11.2023 & 02.11.2023	01.12.2023 & 02.12.2023	01.01.2024 & 02.01.2024	01.02.2024 & 02.02.2024	01.03.2024 & 02.03.2024
6:00-7:00	60.2	66.4	49.1	61.3	49.8	52.9
7:00-8:00	56.5	52.7	52.3	54.2	52.4	57.1
8:00-9:00	54.7	57.9	51.6	50.6	57.2	57.4
9:00-10:00	63.8	63.8	55.7	64.6	52.3	50.0
10:00-11:00	58.4	60.6	60.6	57.3	51.5	51.9
11:00-12:00	55.6	54.3	59.8	56.9	56.9	56.9
12:00-13:00	65.7	69.7	57.4	64.2	60.8	60.2
13:00-14:00	68.1	71.0	61.0	69.8	63.7	65.7
14:00-15:00	61.6	61.6	61.6	58.6	58.6	58.2
15:00-16:00	69.9	57.8	58.7	67.2	65.2	60.3
16:00-17:00	58.1	58.1	66.3	58.1	58.1	57.5
17:00-18:00	55.4	67.5	69.2	56.3	61.9	61.1
18:00-19:00	70.2	58.9	70.3	70.2	70.2	69.7
19:00-20:00	53.7	68.2	66.0	52.0	68.7	68.4
20:00-21:00	55.9	65.4	59.8	55.9	64.2	60.8
21:00-22:00	60.8	60.8	69.8	61.3	61.3	61.8
22:00-23:00	59.3	67.9	64.3	59.3	59.3	59.0
23:00-00:00	51.2	60.7	59.3	50.6	48.6	56.7
00:00-01:00	60.4	66.9	51.9	48.9	52.6	50.2
01:00-02:00	59.3	57.8	49.8	52.9	52.9	49.8
02:00-03:00	62.4	53.8	50.6	63.6	59.3	51.6
03:00-04:00	58.7	50.6	52.7	57.2	51.4	54.2
04:00-05:00	65.2	57.2	55.2	64.0	49.2	48.3
05:00-06:00	54.3	60.5	57.6	53.9	53.9	52.1

^adB(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.


Authorized Signatory

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ENVIRONMENTAL MONITORING REPORT



3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 3 - PMC Office Back side Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	3 - PMC Office Back side					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	04.10.2023 & 05.10.2023	03.11.2023 & 04.11.2023	04.12.2023 & 05.12.2023	04.01.2024 & 05.01.2024	05.02.2024 & 06.02.2024	04.03.2024 & 05.03.2024
6:00-7:00	65.5	68.1	60.1	67.3	52.6	50.3
7:00-8:00	59.3	62.3	63.5	58.2	50.6	51.6
8:00-9:00	68.5	66.0	65.3	67.4	57.3	56.7
9:00-10:00	70.4	59.5	71.2	61.5	61.5	60.3
10:00-11:00	69.0	67.4	50.2	68.2	63.7	63.3
11:00-12:00	65.9	60.2	63.4	64.3	64.3	62.4
12:00-13:00	58.9	55.5	55.5	57.9	57.9	59.3
13:00-14:00	68.0	57.9	57.9	66.9	62.3	63.4
14:00-15:00	55.4	61.6	61.6	56.2	56.2	56.5
15:00-16:00	64.9	64.9	64.9	63.7	63.7	63.7
16:00-17:00	69.2	67.4	63.5	61.9	61.9	62.9
17:00-18:00	57.1	64.2	65.3	56.0	52.9	50.4
18:00-19:00	68.0	60.3	71.2	67.3	64.3	56.2
19:00-20:00	65.4	57.1	68.5	62.9	62.9	60.7
20:00-21:00	71.9	60.9	64.2	71.7	70.8	59.1
21:00-22:00	57.0	58.4	66.8	56.9	62.9	55.4
22:00-23:00	52.7	56.6	62.3	53.1	61.4	53.2
23:00-00:00	54.2	54.2	61.0	55.5	50.3	50.3
00:00-01:00	64.8	54.9	50.5	53.7	58.7	55.7
01:00-02:00	51.2	59.3	54.2	59.2	52.9	52.9
02:00-03:00	55.4	55.4	58.7	54.2	54.2	54.2
03:00-04:00	67.3	57.5	61.9	50.9	50.9	50.9
04:00-05:00	58.2	60.9	57.5	49.6	49.3	49.3
05:00-06:00	59.8	64.3	58.2	58.0	51.5	51.5

*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.


Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 4 - Near Substation 7B Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	4 - Near Substation 7B					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	04.10.2023 & 05.10.2023	03.11.2023 & 04.11.2023	04.12.2023 & 05.12.2023	04.01.2024 & 05.01.2024	05.02.2024 & 06.02.2024	04.03.2024 & 05.03.2024
6:00-7:00	63.8	69.8	55.2	63.8	58.6	49.2
7:00-8:00	59.1	66.0	60.8	59.1	57.4	52.6
8:00-9:00	67.0	65.1	54.3	66.2	59.1	50.5
9:00-10:00	65.6	68.3	59.5	65.6	60.3	52.3
10:00-11:00	69.2	58.2	56.3	51.0	58.1	56.4
11:00-12:00	58.7	55.6	52.2	58.7	53.6	58.1
12:00-13:00	69.0	69.0	57.7	67.3	65.4	60.3
13:00-14:00	54.2	60.2	60.3	54.2	59.2	61.4
14:00-15:00	56.7	67.2	67.2	51.3	60.1	60.1
15:00-16:00	61.2	64.9	64.9	61.2	52.8	52.4
16:00-17:00	60.3	59.7	59.7	60.3	60.3	58.3
17:00-18:00	57.3	57.2	57.9	57.3	69.1	68.9
18:00-19:00	59.7	59.7	67.7	59.7	65.4	70.3
19:00-20:00	65.0	65.0	62.2	64.3	64.3	65.1
20:00-21:00	68.3	60.2	65.3	60.0	60.0	60.9
21:00-22:00	57.4	58.6	70.0	57.4	54.7	55.0
22:00-23:00	50.9	54.9	48.5	54.9	50.9	50.3
23:00-00:00	54.2	51.6	55.2	51.6	49.8	52.9
00:00-01:00	49.1	55.7	49.6	55.4	56.4	50.7
01:00-02:00	67.1	54.1	68.2	60.3	60.3	61.8
02:00-03:00	58.2	50.2	58.4	58.2	51.4	55.6
03:00-04:00	62.8	58.3	56.3	56.8	59.0	58.9
04:00-05:00	61.3	56.3	59.2	61.3	57.7	57.2
05:00-06:00	59.3	61.7	55.0	59.3	59.3	49.4

*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.

Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 5 - ERMS Workshop Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	5 - ERMS Workshop					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	06.10.2023 & 07.10.2023	06.11.2023 & 07.11.2023	07.12.2023 3& 08.12.2023	08.01.2024 & 09.01.2024	08.02.2024 & 09.02.2024	07.03.2024 & 08.03.2024
6:00-7:00	60.8	66.3	53.2	65.4	50.3	51.3
7:00-8:00	57.4	61.8	59.7	57.3	48.5	54.5
8:00-9:00	54.2	67.2	60.8	66.7	56.1	57.6
9:00-10:00	69.8	69.4	66.2	60.9	60.9	61.2
10:00-11:00	68.1	58.6	51.9	54.3	54.3	55.3
11:00-12:00	61.9	54.9	65.7	58.2	57.2	56.1
12:00-13:00	58.3	51.3	54.2	61.2	61.2	62.3
13:00-14:00	67.7	58.7	50.8	66.0	69.5	70.0
14:00-15:00	62.9	68.3	57.6	68.5	64.6	63.6
15:00-16:00	58.4	67.2	66.2	63.1	66.3	65.1
16:00-17:00	54.6	58.1	69.2	54.3	54.3	55.4
17:00-18:00	59.7	54.8	59.9	58.6	59.7	58.2
18:00-19:00	62.2	51.2	70.8	55.5	55.5	56.5
19:00-20:00	57.3	56.6	65.2	57.3	57.3	55.2
20:00-21:00	58.1	61.4	68.5	52.6	57.4	54.3
21:00-22:00	65.3	52.3	56.8	56.3	56.3	55.1
22:00-23:00	61.9	55.0	55.9	59.1	51.9	52.7
23:00-00:00	54.3	50.2	59.2	54.3	60.3	61.3
00:00-01:00	52.1	49.6	60.7	51.2	49.0	50.2
01:00-02:00	58.4	57.5	51.8	56.9	47.2	52.4
02:00-03:00	61.7	51.4	55.7	54.7	52.1	54.8
03:00-04:00	57.2	57.2	58.4	60.2	56.9	60.3
04:00-05:00	66.9	61.9	68.3	56.8	54.7	55.1
05:00-06:00	60.8	60.8	61.2	59.3	59.3	60.0

*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.

Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 6 - Behind Pump House Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	6 - Behind Pump House					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	06.10.2023 & 07.10.2023	06.11.2023 & 07.11.2023	07.12.2023 3& 08.12.2023	08.01.2024 & 09.01.2024	08.02.2024 & 09.02.2024	07.03.2024 & 08.03.2024
6:00-7:00	54.6	58.2	55.6	59.9	51.6	50.3
7:00-8:00	61.3	65.3	53.2	70.8	56.7	57.6
8:00-9:00	57.2	68.1	59.7	65.2	60.8	61.3
9:00-10:00	59.3	60.2	60.8	68.5	68.5	67.2
10:00-11:00	63.0	59.4	66.2	56.8	57.3	55.6
11:00-12:00	58.1	57.3	51.9	60.3	50.3	52.4
12:00-13:00	60.2	65.3	65.7	62.6	62.6	63.9
13:00-14:00	56.1	54.2	54.2	58.4	56.4	59.2
14:00-15:00	61.6	62.3	50.8	58.2	63.8	69.2
15:00-16:00	67.4	67.4	61.9	63.1	58.1	69.0
16:00-17:00	56.4	66.1	55.0	60.7	50.3	70.5
17:00-18:00	63.1	58.2	63.1	59.9	57.3	59.0
18:00-19:00	65.7	55.6	57.3	62.6	65.2	50.2
19:00-20:00	55.9	53.4	64.4	54.3	59.8	59.9
20:00-21:00	62.9	60.9	70.2	58.2	58.2	57.2
21:00-22:00	69.7	56.3	50.6	59.6	65.4	66.4
22:00-23:00	66.0	58.2	62.9	53.7	69.8	67.3
23:00-00:00	54.9	63.9	48.9	49.3	49.3	50.3
00:00-01:00	51.4	57.8	61.5	53.4	53.4	51.4
01:00-02:00	59.7	51.9	54.3	59.7	62.4	49.2
02:00-03:00	62.6	56.3	49.2	54.6	52.8	53.8
03:00-04:00	57.2	59.2	52.9	55.3	49.3	48.9
04:00-05:00	60.4	62.3	63.3	60.4	65.9	61.7
05:00-06:00	67.9	59.4	59.0	57.2	57.2	58.2

*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.

Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 7 - ODC Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	7 - ODC Gate					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	09.10.2023 & 10.10.2023	09.11.2023 & 10.11.2023	11.12.2023 & 12.12.2023	11.01.2024 & 12.01.2024	12.02.2024 & 13.02.2024	11.03.2024 & 12.03.2024
6:00-7:00	59.7	64.7	58.2	55.3	52.7	50.7
7:00-8:00	61.3	69.5	53.5	60.2	60.2	54.3
8:00-9:00	54.7	58.1	50.1	67.4	61.3	62.5
9:00-10:00	57.3	66.2	49.7	59.2	57.4	58.4
10:00-11:00	60.4	60.4	68.4	60.4	52.3	51.3
11:00-12:00	67.3	67.3	61.2	67.3	68.9	67.9
12:00-13:00	52.9	55.3	55.6	62.9	61.4	60.4
13:00-14:00	56.1	56.1	69.8	56.1	67.3	68.3
14:00-15:00	60.7	60.9	58.3	60.7	60.7	61.7
15:00-16:00	65.5	65.5	52.4	65.5	69.8	70.8
16:00-17:00	69.4	69.0	70.0	69.4	69.4	68.4
17:00-18:00	59.2	57.5	59.7	59.2	64.5	66.5
18:00-19:00	63.8	63.8	49.1	63.8	63.8	62.3
19:00-20:00	55.3	55.3	53.2	55.3	60.9	59.4
20:00-21:00	49.2	53.9	59.9	55.9	55.9	56.3
21:00-22:00	67.4	56.1	50.0	60.0	60.0	51.4
22:00-23:00	59.2	53.4	48.2	59.2	54.8	55.8
23:00-00:00	62.6	54.1	59.9	52.9	52.9	53.9
00:00-01:00	58.2	58.2	62.6	56.1	50.8	51.8
01:00-02:00	54.9	61.0	50.0	60.7	49.3	48.3
02:00-03:00	47.5	59.7	58.2	63.6	58.1	57.1
03:00-04:00	56.4	63.4	45.0	61.4	52.0	53.4
04:00-05:00	59.4	61.2	50.3	59.2	57.2	55.7
05:00-06:00	55.9	55.9	55.9	55.9	55.9	59.8

*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.

Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 8 - OSY 1 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	8 - OSY 1					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	09.10.2023 & 10.10.2023	09.11.2023 & 10.11.2023	11.12.2023 & 12.12.2023	11.01.2024 & 12.01.2024	12.02.2024 & 13.02.2024	11.03.2024 & 12.03.2024
6:00-7:00	57.8	61.2	63.3	54.7	51.6	52.3
7:00-8:00	60.3	67.5	66.1	62.3	54.7	55.7
8:00-9:00	65.2	65.2	52.4	63.6	50.2	58.2
9:00-10:00	67.1	54.3	48.2	67.8	61.9	62.9
10:00-11:00	59.3	58.7	57.5	59.3	65.8	66.7
11:00-12:00	60.9	60.9	60.9	60.9	60.9	59.4
12:00-13:00	58.7	57.1	49.3	60.8	69.5	70.0
13:00-14:00	61.8	69.2	60.7	58.2	58.2	59.6
14:00-15:00	63.5	71.3	59.8	55.3	70.4	69.4
15:00-16:00	60.8	66.7	59.3	60.7	68.2	66.2
16:00-17:00	59.3	59.3	53.2	59.3	59.3	58.3
17:00-18:00	54.7	68.4	47.9	54.7	54.7	53.6
18:00-19:00	62.3	55.3	68.5	62.3	62.3	61.5
19:00-20:00	63.6	62.9	61.8	66.0	66.5	65.2
20:00-21:00	67.8	58.6	63.2	59.1	63.4	62.4
21:00-22:00	59.2	56.4	51.5	54.8	54.8	53.4
22:00-23:00	55.4	54.7	55.7	52.7	52.7	51.7
23:00-00:00	66.0	60.6	60.5	59.6	49.8	51.2
00:00-01:00	59.1	59.1	52.6	57.1	52.4	50.3
01:00-02:00	51.8	62.3	49.9	54.8	54.8	52.9
02:00-03:00	60.8	64.7	54.0	60.8	57.0	58.0
03:00-04:00	58.2	61.9	61.4	58.2	52.3	53.3
04:00-05:00	55.3	66.0	57.2	55.3	49.0	50.0
05:00-06:00	60.7	55.9	51.9	51.6	55.3	56.3

*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is reliable 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.

Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 9 - Substation 8 (Marine Building) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	9 - Substation 8 (Marine Building)					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	12.10.2023 & 13.10.2023	16.11.2023 & 17.11.2023	14.12.2023 & 15.12.2023	15.01.2024 & 16.01.2024	15.02.2024 & 16.02.2024	14.03.2024 & 15.03.2024
6:00-7:00	64.2	69.4	52.6	64.2	52.3	50.2
7:00-8:00	59.6	66.3	60.8	59.6	55.4	54.3
8:00-9:00	52.1	60.1	58.1	52.1	59.1	58.0
9:00-10:00	68.5	68.5	63.5	68.5	65.4	66.5
10:00-11:00	67.3	59.4	56.9	67.3	67.3	68.4
11:00-12:00	63.2	55.6	61.8	63.2	63.2	64.9
12:00-13:00	57.8	57.8	65.2	57.8	58.9	59.9
13:00-14:00	55.1	61.3	57.2	55.1	55.1	56.3
14:00-15:00	60.9	60.9	53.2	60.9	60.9	61.4
15:00-16:00	66.4	66.4	55.0	66.4	69.3	70.4
16:00-17:00	59.7	58.2	63.1	59.7	59.7	58.6
17:00-18:00	60.8	56.9	57.3	60.8	60.8	59.4
18:00-19:00	54.9	53.2	64.4	54.9	54.9	53.8
19:00-20:00	50.2	55.7	70.2	60.2	52.7	53.6
20:00-21:00	58.6	58.6	58.3	58.6	65.4	63.2
21:00-22:00	65.8	51.3	60.5	65.8	65.8	61.8
22:00-23:00	61.7	55.4	57.2	61.7	52.4	50.3
23:00-00:00	60.8	59.7	63.5	60.8	50.3	54.2
00:00-01:00	57.4	57.4	65.3	57.4	49.8	48.6
01:00-02:00	52.1	53.9	71.2	55.6	51.6	50.3
02:00-03:00	59.1	50.1	50.2	52.1	56.3	57.2
03:00-04:00	48.6	54.8	63.4	50.3	52.4	50.6
04:00-05:00	60.2	60.4	61.2	54.4	52.9	48.9
05:00-06:00	63.4	58.3	63.5	57.9	57.1	50.8

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 10 - Rock Bond Approach (Jetty) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	10 - Rock Bond Approach (Jetty)					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	12.10.2023 & 13.10.2023	16.11.2023 & 17.11.2023	14.12.2023 & 15.12.2023	15.01.2024 & 16.01.2024	15.02.2024 & 16.02.2024	14.03.2024 & 15.03.2024
6:00-7:00	67.6	70.6	59.1	56.4	52.4	50.4
7:00-8:00	65.1	66.4	55.7	59.8	50.6	55.7
8:00-9:00	59.4	60.9	69.2	61.9	55.3	59.6
9:00-10:00	55.6	69.7	70.8	63.7	63.7	49.8
10:00-11:00	66.3	59.8	67.7	56.3	58.7	56.7
11:00-12:00	60.7	60.7	71.3	58.2	69.2	65.3
12:00-13:00	59.8	57.6	60.5	60.8	70.5	70.1
13:00-14:00	57.1	63.3	58.8	68.4	61.3	68.4
14:00-15:00	54.2	67.2	68.1	54.2	54.2	66.3
15:00-16:00	50.4	58.3	65.4	59.4	67.8	59.4
16:00-17:00	59.8	62.1	61.2	63.5	63.5	60.3
17:00-18:00	61.9	61.9	66.4	59.3	62.8	63.1
18:00-19:00	63.7	60.2	58.2	69.2	69.2	57.8
19:00-20:00	56.3	56.3	59.9	67.8	67.8	59.3
20:00-21:00	58.2	55.3	64.8	61.5	59.4	55.0
21:00-22:00	60.8	58.7	55.6	65.2	65.2	50.3
22:00-23:00	68.4	51.4	65.1	68.4	54.6	60.1
23:00-00:00	63.5	54.3	53.2	63.5	53.4	49.2
00:00-01:00	55.3	51.2	47.9	59.3	57.2	50.3
01:00-02:00	51.2	49.4	68.5	56.2	52.9	48.5
02:00-03:00	49.1	53.2	61.8	54.3	54.3	51.3
03:00-04:00	61.5	56.7	63.2	58.2	50.8	55.4
04:00-05:00	65.2	59.9	51.5	49.3	52.9	53.7
05:00-06:00	58.6	60.3	55.7	53.4	53.4	56.0

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -


Tables - 11 - ISPS Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	11 - ISPS Gate					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	16.10.2023 & 17.10.2023	20.11.2023 & 21.11.2023	18.12.2023 & 19.12.2023	18.01.2024 & 19.01.2024	19.02.2024 & 20.02.2024	18.03.2024 & 19.03.2024
6:00-7:00	69.2	70.3	69.9	59.2	51.3	51.2
7:00-8:00	65.4	67.2	70.3	54.7	54.7	53.6
8:00-9:00	57.3	61.0	64.2	69.3	55.9	54.8
9:00-10:00	66.7	66.7	61.0	67.2	61.4	62.3
10:00-11:00	60.9	59.2	63.8	60.6	60.6	61.7
11:00-12:00	54.3	54.3	65.3	69.3	66.5	65.4
12:00-13:00	58.2	60.4	59.2	58.2	58.2	57.1
13:00-14:00	61.2	69.2	71.6	61.2	61.2	60.3
14:00-15:00	66.0	65.1	55.9	66.0	63.4	62.5
15:00-16:00	68.5	58.7	56.3	54.7	59.4	58.7
16:00-17:00	63.1	55.2	59.9	55.4	55.4	54.3
17:00-18:00	54.3	62.5	65.0	59.2	57.3	56.4
18:00-19:00	60.9	60.9	68.8	60.9	60.9	61.3
19:00-20:00	55.5	59.8	50.6	55.2	54.7	55.8
20:00-21:00	66.5	57.4	49.6	60.6	60.6	58.4
21:00-22:00	69.3	56.9	53.1	66.2	49.8	50.3
22:00-23:00	52.6	57.8	57.4	69.3	51.2	52.4
23:00-00:00	59.2	52.1	67.1	58.2	48.5	49.6
00:00-01:00	60.9	59.8	49.1	60.9	51.6	50.5
01:00-02:00	54.7	54.7	60.3	55.2	52.7	53.8
02:00-03:00	56.2	60.4	51.0	52.6	56.3	57.8
03:00-04:00	54.7	63.5	66.8	61.2	50.2	51.3
04:00-05:00	49.3	59.3	70.3	58.3	61.3	62.8
05:00-06:00	67.2	54.2	65.7	55.2	57.9	56.7

*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.


Authorized Signatory



ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 12 - CG - 1 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	12 - CG - 1,2,3					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	16.10.2023 & 17.10.2023	20.11.2023 & 21.11.2023	18.12.2023 & 19.12.2023	18.01.2024 & 19.01.2024	19.02.2024 & 20.02.2024	18.03.2024 & 19.03.2024
6:00-7:00	67.5	70.2	69.8	61.9	51.3	52.4
7:00-8:00	62.4	66.4	58.3	63.7	53.4	54.6
8:00-9:00	58.4	61.7	52.4	61.2	61.2	62.3
9:00-10:00	55.0	68.2	60.1	56.4	56.4	55.3
10:00-11:00	59.4	60.3	55.5	55.2	54.7	53.6
11:00-12:00	54.6	57.5	66.0	60.6	60.6	59.8
12:00-13:00	58.7	58.7	70.5	66.2	66.2	65.3
13:00-14:00	61.2	61.2	52.6	69.8	65.2	64.1
14:00-15:00	66.9	66.4	60.2	57.9	59.8	58.4
15:00-16:00	57.8	69.2	65.5	57.8	57.2	56.3
16:00-17:00	58.5	60.3	67.2	58.5	58.5	60.2
17:00-18:00	60.3	57.1	57.1	60.3	60.3	62.5
18:00-19:00	69.7	52.3	60.2	69.7	69.7	67.4
19:00-20:00	58.1	52.6	55.3	58.1	70.5	59.2
20:00-21:00	64.6	57.8	51.3	64.6	64.6	63.5
21:00-22:00	53.2	59.2	61.5	53.2	53.6	52.2
22:00-23:00	55.4	55.0	50.6	55.4	55.4	54.1
23:00-00:00	63.7	58.3	60.1	56.5	49.3	48.2
00:00-01:00	61.2	54.2	58.2	60.3	53.7	55.2
01:00-02:00	56.4	50.9	53.5	58.7	65.2	60.8
02:00-03:00	51.9	59.7	50.1	51.6	58.1	55.0
03:00-04:00	60.6	60.6	49.7	59.1	62.3	49.5
04:00-05:00	66.2	58.3	68.4	53.2	53.2	51.3
05:00-06:00	63.6	66.0	61.2	55.4	55.4	56.8

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 13 - Behind Boundary of GCPTL Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	13 - Behind Boundary of GCPTL					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	19.10.2023 & 20.10.2023	22.11.2023 & 23.11.2023	20.12.2023 & 21.12.2023	22.01.2024 & 23.01.2024	21.02.2024 & 22.02.2024	20.03.2024 & 21.03.2024
6:00-7:00	66.2	67.1	55.0	60.2	60.6	49.8
7:00-8:00	57.5	69.2	63.1	65.3	57.3	56.4
8:00-9:00	59.8	70.3	57.3	63.2	61.5	60.4
9:00-10:00	61.2	64.8	64.4	57.2	63.7	62.9
10:00-11:00	58.6	60.0	70.2	59.1	64.3	69.5
11:00-12:00	69.0	56.3	58.3	64.6	61.8	70.2
12:00-13:00	55.4	66.7	60.5	55.4	55.4	54.6
13:00-14:00	64.2	64.2	57.2	64.2	62.7	65.3
14:00-15:00	59.8	61.8	50.4	59.8	57.9	67.8
15:00-16:00	54.3	54.3	64.4	54.3	61.6	63.2
16:00-17:00	60.2	60.2	70.2	60.2	64.9	61.6
17:00-18:00	63.7	69.8	50.6	63.7	61.2	60.8
18:00-19:00	66.9	66.9	62.9	66.9	60.3	56.4
19:00-20:00	59.9	59.9	52.7	59.9	58.7	55.3
20:00-21:00	61.3	57.2	56.9	61.3	55.9	60.7
21:00-22:00	58.2	51.9	55.3	58.2	57.1	55.6
22:00-23:00	62.5	58.7	65.8	62.5	60.9	52.0
23:00-00:00	53.3	50.7	65.2	63.7	52.1	50.7
00:00-01:00	51.2	62.4	58.4	61.9	59.8	48.9
01:00-02:00	57.2	60.6	63.4	59.9	54.7	50.3
02:00-03:00	59.1	59.7	48.6	56.3	60.4	52.7
03:00-04:00	64.6	64.6	61.9	52.8	63.5	55.3
04:00-05:00	60.2	60.2	55.0	59.4	61.3	60.2
05:00-06:00	65.3	58.3	63.1	54.3	57.2	61.8

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Table-14-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 October-2023 to March-2024

Sampling Location	14 - Lakhi Village (Below Conveyer Belt)					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	19.10.2023 & 20.10.2023	22.11.2023 & 23.11.2023	20.12.2023 & 21.12.2023	22.01.2024 & 23.01.2024	21.02.2024 & 22.02.2024	20.03.2024 & 21.03.2024
6:00-7:00	59.9	68.7	54.7	55.2	52.1	51.2
7:00-8:00	70.8	61.4	61.8	59.4	50.6	53.1
8:00-9:00	65.2	63.5	58.3	60.2	49.9	52.4
9:00-10:00	68.5	68.5	51.2	65.6	51.2	53.7
10:00-11:00	56.8	59.8	65.9	61.9	50.3	51.3
11:00-12:00	60.1	67.9	68.7	63.2	46.8	54.2
12:00-13:00	62.6	62.6	57.5	62.6	45.7	50.6
13:00-14:00	64.4	66.2	50.9	65.2	47.9	50.2
14:00-15:00	58.2	60.3	53.1	58.2	50.2	51.7
15:00-16:00	61.3	67.2	57.6	63.1	44.4	53.2
16:00-17:00	65.4	54.2	58.0	62.9	48.9	50.9
17:00-18:00	59.9	59.9	67.3	59.9	46.7	52.8
18:00-19:00	62.6	62.6	59.5	62.6	44.8	51.6
19:00-20:00	54.3	65.3	51.3	65.6	42.7	49.2
20:00-21:00	58.2	52.9	53.2	60.7	46.6	48.3
21:00-22:00	59.6	59.6	63.7	63.2	47.1	52.1
22:00-23:00	66.2	54.7	55.8	66.2	45.7	52.4
23:00-00:00	64.2	51.3	65.9	62.6	42.6	42.8
00:00-01:00	57.6	55.0	50.1	54.3	40.2	40.6
01:00-02:00	55.2	65.3	61.6	58.2	43.1	38.7
02:00-03:00	59.4	51.8	55.3	59.6	45.3	35.5
03:00-04:00	60.2	59.3	57.4	60.2	48.4	42.1
04:00-05:00	65.6	62.1	52.6	61.6	44.7	43.7
05:00-06:00	52.1	57.8	65.3	52.1	42.2	41.1

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 15 - JS - 1 (Nr.Lakhigam) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	15 - JS - 1 (Nr.Lakhigam)					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	23.10.2023 & 24.10.2023	24.11.2023 & 25.11.2023	22.12.2023 & 23.12.2023	25.01.2024 & 26.01.2024	23.02.2024 & 24.02.2024	22.03.2024 & 23.03.2024
6:00-7:00	65.7	54.7	60.8	67.9	58.1	56.2
7:00-8:00	59.3	60.4	57.4	54.2	66.2	55.2
8:00-9:00	61.2	63.5	54.2	60.9	60.4	58.2
9:00-10:00	63.8	63.8	69.8	63.4	67.3	66.8
10:00-11:00	57.6	57.6	68.1	57.6	55.3	55.3
11:00-12:00	58.2	60.6	61.9	55.2	56.1	54.2
12:00-13:00	66.5	69.0	58.3	66.9	60.9	59.8
13:00-14:00	59.2	60.2	67.7	62.3	65.5	64.2
14:00-15:00	62.4	67.2	62.9	63.4	69.0	68.6
15:00-16:00	63.5	64.9	59.2	63.5	57.5	66.4
16:00-17:00	55.2	55.2	64.3	55.2	55.2	59.8
17:00-18:00	66.9	66.9	61.0	66.9	66.9	67.9
18:00-19:00	62.3	56.3	58.4	62.3	63.8	58.4
19:00-20:00	63.4	60.4	69.7	63.4	55.3	56.1
20:00-21:00	58.7	58.7	57.2	58.7	52.6	55.0
21:00-22:00	69.0	61.6	66.9	69.0	51.3	50.3
22:00-23:00	64.6	56.4	60.8	64.6	53.4	54.2
23:00-00:00	62.4	60.2	58.2	62.4	54.2	49.6
00:00-01:00	67.9	58.4	45.0	58.7	62.3	53.4
01:00-02:00	54.2	52.4	50.3	62.2	56.1	55.8
02:00-03:00	60.9	57.8	59.9	60.6	52.9	51.4
03:00-04:00	63.4	61.9	62.6	51.9	50.6	54.7
04:00-05:00	57.3	57.3	54.3	56.7	55.6	52.1
05:00-06:00	66.7	61.2	69.3	63.4	60.1	56.9

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 16 - JS - 2 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	16 - JS - 2					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	23.10.2023 & 24.10.2023	24.11.2023 & 25.11.2023	22.12.2023 & 23.12.2023	25.01.2024 & 26.01.2024	23.02.2024 & 24.02.2024	22.03.2024 & 23.03.2024
6:00-7:00	65.2	61.8	61.8	65.2	65.2	56.1
7:00-8:00	59.7	67.2	67.2	61.4	58.9	50.7
8:00-9:00	60.3	69.4	69.4	57.3	61.1	53.2
9:00-10:00	54.8	58.6	58.6	55.9	55.9	54.8
10:00-11:00	68.1	54.9	54.9	59.2	59.7	62.1
11:00-12:00	66.3	57.3	51.3	61.2	61.2	60.5
12:00-13:00	58.2	60.6	53.6	66.9	66.9	69.6
13:00-14:00	61.5	67.3	67.3	61.5	61.5	60.3
14:00-15:00	64.7	59.2	59.2	54.3	54.3	57.1
15:00-16:00	60.2	65.0	65.0	56.9	56.9	54.8
16:00-17:00	55.9	65.1	65.1	69.2	69.2	52.9
17:00-18:00	67.5	67.5	67.5	65.4	65.4	69.5
18:00-19:00	53.6	56.9	56.9	60.8	59.8	70.8
19:00-20:00	67.3	59.2	53.2	56.9	56.4	65.4
20:00-21:00	59.2	55.7	55.7	55.9	55.9	59.4
21:00-22:00	65.0	58.6	58.6	57.8	58.8	52.1
22:00-23:00	65.1	65.1	65.1	65.1	65.1	56.9
23:00-00:00	65.1	54.2	54.2	58.7	58.7	50.8
00:00-01:00	54.3	62.3	62.3	56.9	59.6	49.2
01:00-02:00	52.3	67.4	67.4	60.6	54.6	52.4
02:00-03:00	59.2	66.1	66.1	54.2	51.7	55.3
03:00-04:00	65.4	58.2	58.2	51.8	60.4	51.8
04:00-05:00	58.2	55.6	55.6	57.2	58.2	50.2
05:00-06:00	63.4	51.4	63.4	63.4	62.8	60.8

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 17 - Silo Loading Point Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	17 - Silo Loading Point					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	26.10.2023 & 27.10.2023	27.11.2023 & 28.11.2023	25.12.2023 & 26.12.2023	29.01.2024 & 30.01.2024	26.02.2024 & 27.02.2024	26.03.2024 & 27.03.2024
6:00-7:00	58.9	68.3	67.5	66.9	57.9	63.8
7:00-8:00	68.0	67.2	62.4	62.3	63.8	59.1
8:00-9:00	55.4	71.1	58.4	63.4	60.6	66.2
9:00-10:00	64.9	64.8	55.0	63.5	54.3	65.6
10:00-11:00	57.9	60.2	59.4	55.2	69.7	51.0
11:00-12:00	63.5	56.6	50.3	66.9	71.0	58.7
12:00-13:00	59.3	61.4	58.7	59.3	61.6	67.3
13:00-14:00	69.2	52.3	61.2	69.2	57.8	54.2
14:00-15:00	67.8	67.8	66.9	67.8	58.1	51.3
15:00-16:00	66.0	66.0	59.9	66.0	67.5	61.2
16:00-17:00	59.1	59.1	63.7	59.2	58.9	60.3
17:00-18:00	54.8	57.5	61.2	60.9	68.2	57.3
18:00-19:00	60.8	63.8	56.4	55.2	59.9	59.7
19:00-20:00	62.5	55.3	55.2	60.6	64.5	64.3
20:00-21:00	57.6	59.9	60.6	66.2	67.2	60.0
21:00-22:00	55.2	55.3	66.2	69.3	60.5	57.4
22:00-23:00	56.3	53.4	69.8	67.2	67.2	52.9
23:00-00:00	57.8	55.0	57.8	60.8	50.2	61.2
00:00-01:00	55.1	52.1	58.5	52.5	49.6	56.1
01:00-02:00	52.7	48.8	60.3	57.6	57.5	50.8
02:00-03:00	61.6	54.7	69.7	55.2	51.4	48.6
03:00-04:00	67.4	60.4	58.1	62.9	57.2	56.2
04:00-05:00	56.4	63.5	64.6	55.4	61.9	58.7
05:00-06:00	58.2	60.3	53.2	64.9	60.8	55.3

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 18 - Railway Dead End Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	18 - Railway Dead End					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	26.10.2023 & 27.10.2023	27.11.2023 & 28.11.2023	25.12.2023 & 26.12.2023	29.01.2024 & 30.01.2024	26.02.2024 & 27.02.2024	26.03.2024 & 27.03.2024
6:00-7:00	60.2	60.2	63.5	60.2	58.2	52.8
7:00-8:00	56.5	56.5	55.2	56.5	65.3	55.5
8:00-9:00	59.1	51.7	66.9	59.1	68.1	65.7
9:00-10:00	63.8	63.8	62.3	63.8	60.2	69.2
10:00-11:00	58.4	58.4	63.4	58.4	59.4	54.2
11:00-12:00	63.7	63.7	58.7	63.7	57.3	56.9
12:00-13:00	61.2	61.2	69.0	61.2	65.3	52.6
13:00-14:00	56.4	56.4	64.6	56.4	54.2	58.0
14:00-15:00	66.0	66.0	66.0	66.0	62.3	60.1
15:00-16:00	68.5	68.5	59.6	68.5	67.4	56.2
16:00-17:00	63.1	59.7	62.4	62.9	66.1	63.7
17:00-18:00	54.3	57.2	67.9	57.6	58.2	61.9
18:00-19:00	60.9	59.7	54.2	55.2	55.6	56.0
19:00-20:00	55.5	65.0	60.9	67.4	52.4	67.3
20:00-21:00	66.5	60.2	63.4	55.4	54.1	62.9
21:00-22:00	61.2	66.6	57.3	64.9	56.3	71.7
22:00-23:00	63.5	63.5	66.7	63.5	58.2	58.2
23:00-00:00	60.8	50.7	59.3	60.8	50.9	51.6
00:00-01:00	54.9	62.4	61.2	54.9	48.6	55.4
01:00-02:00	63.5	60.6	63.8	50.6	54.3	60.3
02:00-03:00	56.9	59.7	57.6	56.9	51.2	58.2
03:00-04:00	64.9	64.6	58.2	64.9	59.4	62.1
04:00-05:00	54.3	60.2	66.5	54.3	60.8	61.3
05:00-06:00	59.4	58.3	59.2	69.4	62.6	59.3

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -


Tables - 19 - Loco Shed Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	19 - Loco Shed					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	30.10.2023 & 31.10.2023	29.11.2023 & 30.11.2023	28.12.2023 & 29.12.2023	31.01.2024 & 01.02.2024	28.02.2024 & 29.02.2024	28.03.2024 & 29.03.2024
6:00-7:00	67.1	67.5	66.0	58.2	58.2	65.4
7:00-8:00	59.3	65.2	59.1	61.9	51.3	59.8
8:00-9:00	60.9	54.3	54.8	58.3	55.0	52.3
9:00-10:00	58.7	58.7	60.8	59.9	65.3	55.9
10:00-11:00	61.8	60.9	49.5	62.6	51.8	58.2
11:00-12:00	63.5	57.1	57.6	54.3	69.3	65.1
12:00-13:00	60.8	69.2	55.2	58.2	66.1	69.4
13:00-14:00	62.5	71.3	56.3	56.5	57.8	67.2
14:00-15:00	58.2	66.7	66.7	58.2	66.2	61.2
15:00-16:00	65.0	59.3	63.2	61.5	60.3	58.7
16:00-17:00	61.3	68.4	57.8	59.2	67.2	69.0
17:00-18:00	59.9	59.9	55.1	63.8	54.2	64.6
18:00-19:00	62.6	62.6	52.7	55.3	59.9	54.2
19:00-20:00	54.3	54.3	61.6	65.2	62.6	65.4
20:00-21:00	58.2	51.2	67.4	58.2	65.3	58.2
21:00-22:00	63.5	59.4	56.4	63.5	52.9	63.4
22:00-23:00	60.8	60.8	58.2	60.8	59.6	61.7
23:00-00:00	65.5	65.5	68.0	59.7	59.6	59.8
00:00-01:00	59.4	54.2	55.4	60.8	56.1	61.9
01:00-02:00	52.1	61.9	64.9	54.9	53.7	57.7
02:00-03:00	63.8	59.3	57.9	50.2	50.4	56.3
03:00-04:00	55.3	55.4	63.5	55.3	57.8	58.2
04:00-05:00	65.2	52.9	59.3	58.2	61.9	61.8
05:00-06:00	62.1	49.7	69.2	56.5	57.3	56.6

*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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ENVIRONMENTAL MONITORING REPORT

3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 20 - Behind Silo (S-11) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

Sampling Location	20 - Behind Silo (S-11)					
	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Date of Monitoring	30.10.2023 & 31.10.2023	29.11.2023 & 30.11.2023	28.12.2023 & 29.12.2023	31.01.2024 & 01.02.2024	28.02.2024 & 29.02.2024	28.03.2024 & 29.03.2024
6:00-7:00	67.0	59.5	60.7	56.8	51.0	51.0
7:00-8:00	65.6	67.4	65.5	61.3	55.9	48.3
8:00-9:00	69.2	60.2	69.4	62.6	68.6	62.5
9:00-10:00	58.7	55.5	59.2	59.0	59.4	58.4
10:00-11:00	69.0	57.9	63.8	58.2	57.6	51.3
11:00-12:00	54.2	61.6	55.3	63.9	60.3	60.3
12:00-13:00	56.7	64.9	65.2	59.3	55.9	55.9
13:00-14:00	61.2	61.2	68.5	61.1	58.3	52.6
14:00-15:00	60.3	60.3	56.8	60.3	66.0	60.8
15:00-16:00	58.7	58.7	58.7	58.7	69.4	54.9
16:00-17:00	54.2	54.2	52.3	55.2	66.3	63.5
17:00-18:00	64.8	57.1	57.1	59.1	60.1	56.9
18:00-19:00	69.2	60.9	60.9	61.9	68.5	64.9
19:00-20:00	55.4	58.4	58.4	52.9	59.4	54.3
20:00-21:00	64.2	53.6	49.6	63.6	55.6	69.4
21:00-22:00	66.8	66.8	66.8	57.2	57.8	67.2
22:00-23:00	62.3	65.3	65.3	60.1	61.3	61.3
23:00-00:00	55.9	55.9	59.3	59.1	59.9	50.3
00:00-01:00	67.5	56.6	60.9	54.8	56.3	54.9
01:00-02:00	54.2	59.4	58.7	60.8	52.3	60.6
02:00-03:00	58.7	57.6	61.8	58.2	48.7	57.6
03:00-04:00	60.9	60.3	63.5	55.3	50.9	57.1
04:00-05:00	57.5	55.9	60.8	55.3	54.6	55.9
05:00-06:00	58.2	58.3	50.0	58.2	58.2	58.3

*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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ENVIRONMENTAL MONITORING REPORT

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

Table No.: 3H.1 – DG Sets Stack Emission Monitoring Results for the period: October-2023 to March-2024

Sr. No.	Parameters	Unit	Nov-23				
			21-11-2023				
			D.G.Set (SS 7 B) (200 KVA)	D.G.Set (SS-5) (125 KVA)	D.G.Set (SS-7 A) (125 KVA)	D.G.Set (SS-8) (125 KVA)	D.G.Set (SS-11) (380 KVA)
1	Particulate Matter	mg/Nm ³	45	42	39	53	49
2	Sulphur Dioxide(SO ₂)	ppm	13.03	14.55	14.83	17.5	16.31
3	Oxides of Nitrogen (NO _x)	ppm	7.31	8.88	8.34	10.29	9.00
4	Carbon Monoxide	mg/Nm ³	76.84	72.68	88.32	84.05	70.28

Sr. No.	Parameters	Unit	Feb-24				
			26-02-2024				
			D.G.Set (SS 7 B) (200 KVA)	D.G.Set (SS-5) (125 KVA)	D.G.Set (SS-7 A) (125 KVA)	D.G.Set (SS-8) (125 KVA)	D.G.Set (SS-11) (380 KVA)
1	Particulate Matter	mg/Nm ³	51	46	41	49	53
2	Sulphur Dioxide(SO ₂)	ppm	14.06	13.87	12.89	15.87	15.87
3	Oxides of Nitrogen (NO _x)	ppm	8.02	9.07	7.84	11.16	10.69
4	Carbon Monoxide	mg/Nm ³	79.82	76.38	81.56	82.73	72.29

Authorized Signatory

KADAM ENVIRONMENTAL CONSULTANTS

An ISO 9001-2015 Certified Company

(MoEF Approved)

871/B/3, Near Himalaya Machinery, GIDC Makarpura, Vadodara-10.
Phone : (O) 0265 - 6131000, 6131001



ENVIRONMENTAL MONITORING REPORT

Table No.: 3H.3 - DG Sets Noise Level Monitoring Results for the period: October-2023 to March-2024

DG Set Average Noise Level In Leq. dB(A)			
Sr. No.	Sampling Location	At 1 m from the enclose outside	
		Nov-23	Feb-24
		21-11-2023	26-02-2024
1.	D.G.Set (7 B)	71.8	67.8
2.	D.G.Set (SS-5)	70.6	69.1
3.	D.G.Set (SS-7 A)	72.8	68.3
4.	D.G.Set (Marine Building)	69.1	67.8
5.	D.G.Set (SS-11)	73.4	68.8

Authorized Signatory

Annexure 4: Air Pollution Control Measures



Truck Tarpaulin Covering



TPS Machine



Water Sprinkling through Tanker



Truck Tyre Washing



Fire Control in Yards



Wind Shield



Green Belt



Mist Canon

**Annexure-5: Compliance Status of EMP as mentioned in the EIA study For Phase-III
Expansion of Adani Petronet (Dahej) Port Ltd.,**

Sr. 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 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 APDPL has installed a truck tyre washing system within the port premises, which washes the tyre of trucks exiting the port area.
	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 provided with fitness and pollution under control certificate.	Complying with. All vehicles are being checked for PUC Certificate.
	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.

Sr. No.	EMP Conditions	Compliance Status
		<ul style="list-style-type: none"> Monitoring of noise level is being done by M/s Kadam Environment Consultant, NABL accredited, and MoEF&CC recognized laboratory. Monitoring reports are presented in the Annexure 3G.
	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 October 2023 to March 2024 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 vermicomposting yard 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 drum 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.

Sr. No.	EMP Conditions	Compliance Status
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 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	Complying with. All dust control systems are maintained and operating well. APDPL has constructed 10 KM long fully mechanized closed conveyor belt with water sprinkling facility for transfer of coal from North Jetty to coal yard and also from coal yard to the rail wagon loading area at a cost of 150 crore. This closed conveyor system reduces the coal dust generation significantly.
	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. APDPL has installed wind breaking wall for dust pollution control in the open coal yard. The wind breaker wall is a porous perforated barrier. At the back of the wall, a low-velocity zone is formed. It effectively reduces the average wind speed, thereby prevents dust from moving, and achieves the purpose of dust suppression. The benefits include; <ul style="list-style-type: none"> ➤ Reduction of coal losses in open yard ➤ Saves water for dust suppression ➤ Improves the living conditions of local residents. ➤ Improves the working conditions of the on-site staff Wind break walls have been erected around the coal stockpile area at a height of 14 m from the ground level. The length, width and thickness of each galvanized sheet-based wind break metal shield are about 2950 mm, 1250 mm and 0.7 mm respectively. The aperture is round

Sr. No.	EMP Conditions	Compliance Status
		shaped, and diameter of each aperture is about 3.5 to 4 mm. The aperture occupies 30 - 40% of a wind break sheet. Several wind break metal sheets are connected together and have been fitted in structural beams to control the wind carryover of the dust from the stockpiles. An amount of 58 crore is spent by APDPL in erecting and marinating the wind breaking wall around the coal yard 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.	<p>Complying with. Road cleaning both inside and outside the port premises is a continuous activity carried out by below two methods. The road sweeping by both methods is carried out till 3 Km from the port main gate on the main road leading to Dahej by APDPL.</p> <ul style="list-style-type: none"> • Road cleaning by sweeping machine: APDPL, have 02 nos. of large capacity road sweeping machine. Truck mounted Industrial Vacuum Cleaning Machines have road cleaning capacity substantially as the storage capacity of the chassis mounted vacuum machine are 04 tone/ hour each which allow rapid collection of spillage, dust and subsequent disposal.
	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.	
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	<p>Shall be complied. Mechanization of the south jetty is yet to be done.</p>
	DG sets installed in open area will be provided with acoustic enclosure	<p>Complying with. DG sets installed in open area are provided with acoustic enclosure</p>
	Compressors and Diesel generators and pump house will be installed in separate building provided with noise absorbing materials on the walls	<p>Complying with. Compressor and DG sets & Pump house are installed in separate building and provided with acoustic enclosures.</p>

Sr. No.	EMP Conditions	Compliance Status
	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. • 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 act 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 25.27 Ha. including periphery of the project boundary. The green belt has been developed with plantation of native species and species which helps in creating a barrier for coal dust movement.
	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 9001:2015, ISO 14001:2015, and ISO 45001:2018, ISO 50001:2018, ISO 28000:2007. 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	
	Following areas will be provided with storm water drainage systems to prevent any surface run-off into the sea. <ul style="list-style-type: none"> • Reclamation of 23 Ha back up area • Coal stockpile development of 7.7 Ha area • Railway siding area 	Complying with. Coal stockpile and Railway siding area are provided with storm water drainage. Reclamation of 16 Ha area is being done. Remaining 7 ha area will be developed phase wise, as per the future requirement.
	<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	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.

Sr. No.	EMP Conditions	Compliance Status
	<p>collection of waste due to windblown into the sea.</p> <p>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.</p> <p>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.</p>	<p>Complying with. All the wastes are being managed in compliance to the respective waste management rules as amended.</p>
2.5	Green Belt Development Plan:	
	<p>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.</p>	<p>Complying with. Three tier green belt is being developed in an area of 25.27 Ha. including periphery of the project boundary. The green belt has been developed with plantation of native species and species which helps in creating a barrier for coal dust movement.</p>
	<p>It is proposed to develop further three tier greenbelt to increase efficiency of dust control.</p>	
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 	<p>Complied. The CSR activities are executed by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same are enclosed as Annexure – 6.</p>
	Education Promotion Programs	

Sr. No.	EMP Conditions	Compliance Status																								
	<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	<p>Village Specific Infrastructure Development Programs:</p> <table border="1" data-bbox="300 1205 837 2083"> <thead> <tr> <th data-bbox="300 1205 363 1272">S. No.</th> <th data-bbox="363 1205 534 1272">Village</th> <th data-bbox="534 1205 837 1272">Programs</th> </tr> </thead> <tbody> <tr> <td data-bbox="300 1272 363 1384">1.</td> <td data-bbox="363 1272 534 1384">Luvara</td> <td data-bbox="534 1272 837 1384">Developing proper drainage system in the village.</td> </tr> <tr> <td data-bbox="300 1384 363 1525">2.</td> <td data-bbox="363 1384 534 1525">Dahej</td> <td data-bbox="534 1384 837 1525">Providing Safe Drinking water Facilities in the schools</td> </tr> <tr> <td data-bbox="300 1525 363 1738">3.</td> <td data-bbox="363 1525 534 1738">Dahej</td> <td data-bbox="534 1525 837 1738">Developing medical facilities in the PHC such as facilities for storage of perishable medicines,</td> </tr> <tr> <td data-bbox="300 1738 363 1805">4.</td> <td data-bbox="363 1738 534 1805">Jageshwar</td> <td data-bbox="534 1738 837 1805">Developing Drainage System</td> </tr> <tr> <td data-bbox="300 1805 363 1872">5.</td> <td data-bbox="363 1805 534 1872">Lakhigam</td> <td data-bbox="534 1805 837 1872">Developing Drainage System</td> </tr> <tr> <td data-bbox="300 1872 363 2018">6.</td> <td data-bbox="363 1872 534 2018">Lakhigam Luvara Jageshwar</td> <td data-bbox="534 1872 837 2018">Developing Solar Street Light and Internal Village Roads</td> </tr> <tr> <td data-bbox="300 2018 363 2083">7.</td> <td data-bbox="363 2018 534 2083">Ambetha</td> <td data-bbox="534 2018 837 2083">Developing Drainage System</td> </tr> </tbody> </table>	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	
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7.	Ambetha	Developing Drainage System																								

Sr. No.	EMP Conditions			Compliance Status
	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			
	<p>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.</p>			<p>Complied. APDPL 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.</p>
	<p>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 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.</p>			
2.9	Cost Estimates for Environmental Management Plan:			
	<p>The estimated total cost of the proposed project is Rs.464.32 Crores. Under the project, about Rs.173.35</p>			<p>Complied. Separate budget is allocated for Environmental Management activities.</p>

Sr. No.	EMP Conditions	Compliance Status
	Crores is allocated towards pollution control equipment, implementation of environmental pollution control measures and environmental management programs.	<ul style="list-style-type: none"> Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of revenue budget for Environment Cell for the FY 2023-24 was approx. Rs. 599.98 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as Annexure -8.



2023-24

Half Yearly CSR Report - Dahej



Team Dahej

4/29/2024

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Demographic Profile

Business Unit	Adani Foundation
<p>Adani Petronet Dahej Port Limited. Dahej port is a deep water, multi-cargo port which is located in the Gulf of Khambhat. It is strategically situated on international maritime routes and provides easy access to the dense industrial hubs of Gujarat, Maharashtra and Madhya Pradesh. This makes it the preferred port for the cargo hubs functioning in the northern and western states and union territories of India. The port has covered and open storage areas with enormous capacity. Excellent cargo evacuation and receiving infrastructure, support smooth cargo movement in and out of the port. Expertise in successfully handling over-sized and overweight project cargo.</p> <ul style="list-style-type: none"> ○ Expert at handling diversified cargo like Fertilizer, Agri, Mines & Minerals and Steel & Project Cargo ○ High speed elevated triangular gallery overland conveying system for coal transportation, which reduces dust pollution eliminating cargo spillages. ○ Fully mechanized cargo loading systems and wagon loading systems in place for speed and minimal spillage. ○ Priority berthing policy in place with dedicated berth for cargo. 	<p>Adani Foundation's outreach in 4 talukas Vagra, Bharuch, Netrang & Jhagadia. Total 50 villages of 38 Gram Panchayats; 16616 households; Population; 73584 (ST population: 31747). Under Project Annapurna's Natural Farming Awareness Program all 78 villages of Netrang Taluka covered. Vagra taluka has a total population of near 2 lakhs with 50.4% males and 49.6% of the females. The literacy rate of the Taluka is 73.71% which is lower than the national average. Bharuch taluka has a total population of near 3 lakhs with 51% males and 49% of the females. The literacy rate of the Taluka is 84% which is higher than the national average. Core villages of project area are urban in nature having amenities like cities: CCTV, Gym, Spa, Waste disposal. Major source of livelihood: job in companies, business & agriculture, and animal husbandry (peripheral villages) Caste: Koli Patel, Rajput, Ahir, SC, ST & Minorities Jhagdia & Netrang talukas have a total population of nearly 2 lakhs with 52% of male and 48% female population. Literacy rate is higher than the national average with nearly 80%. Agriculture is the main source of livelihood in this area. Nealy 40% of the population come from the Schedule tribe in Netrang and Jhagdia talukas. Young generation engaged in labor work in nearby industrial areas. Caste: Vasava, Chaudhary & Primitive tribe Kotwaliya (dependent on bamboo craft & migrant laborers)</p>

Executive Summary

Financial Overview: Dahej FY 2023 - 24						
S. N	Vertical	Capex	Opex	Total	Budget	Utilization
1	General Management & Administration	0.00	12.85	12.85	12.85	28.82
2	Education	0.00	50.64	50.64	50.64	44.10
3	Health	0.40	25.52	25.92	25.92	21.54
4	Sustainable Livelihood Development	0.00	102.35	102.35	102.35	94.96
5	Community Infrastructure Development	0.00	27.45	27.45	27.45	26.49
	TOTAL	0.40	218.21	219.21	219.21	215.91
	Budget Utilization					98.495

Vision: "To accomplish a passionate commitment to social obligations towards communities, fostering sustainable and integrated development, thus improving quality of life"

Mission: "To play the role of a facilitator for the benefit of the people without distinction of caste or community, sector, religion, class or creed, in the fields of education, community health, and promotion of social and economic welfare and upliftment of the people in general."

Main section

1.1 Education

SDG Alignment

Sustainable Development Goal 4

Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

4.1 By 2030, ensure that all girls and boys complete free, equitable and quality primary and secondary education leading to relevant and effective learning outcomes.

4.1.1 Proportion of children and young people (a) in grades 2/3; (b) at the end of primary; and (c) at the end of lower secondary achieving at least a minimum proficiency level in (i) reading and (ii) mathematics, by sex

4.2 By 2030, ensure that all girls and boys have access to quality early childhood development, care and pre-primary education so that they are ready for primary education.

Project Utthan is introduced by Adani Foundation in the month of September-2021 in Lakhigam village, Vagra taluka of Bharuch with objective of enhancing learning outcomes in elementary education and handhold the "Priya Vidyarthi's" (Progressive Learners). Adani Foundation Dahej signed an MOU with Department of Primary Education for implementation of Project Utthan in 14 Govt. Schools.

This comprehensive intervention entails:

- Enhancing the teaching learning outcomes
- Empowering 'Priya Vidyarthi's' (Progressive Learners)
- Introducing English as a third language in class 1 to 4
- Arresting dropout rates
- Collaborating for teachers' capacity building
- Creating joyful learning spaces

Outreach of Project Utthan

S. N	School name	Village Name	School Strength			Details of Deprived Community				
			Boys	Girls	Total	SC	ST	OBC	GEN	Others
1	Primary School Lakhigam	Lakhigam	209	229	438	16	99	300	23	0
2	Primary School Luvara	Luvara	144	122	236	7	165	48	19	0
3	Primary School Jageshwar	Jageshwar	67	87	154	0	32	111	11	0
4	Primary School Ambetha	Ambetha	57	63	121	5	46	69	1	0
5	Primary School Dahej Kumar	Dahej	451	0	451	44	132	175	0	0
6	Primary School Dahej Kanya	Dahej	0	421	421	35	123	172	91	0
7	Primary School Dahej Nava Vadiya	Dahej	0	0	0	0	0	0	0	0
8	Primary School Jolva	Jolva	94	95	189	19	48	70	12	18
9	Primary School Suva	Suva	126	138	264	11	88	167	8	0
10	Primary School Rahiyad	Rahiyad	135	115	250	10	21	213	0	6
11	Primary School Koliyad	Koliyad	38	52	90	0	61	19	10	0
12	Primary School Atali Asharamshala	Atali	95	75	170	6	158	6	0	0
13	Primary School Vengni	Vengni	42	51	93	3	42	45	3	0
14	Primary School Kaladara	Kaladara	82	88	170	0	91	55	24	0
	Total	12	1540	1536	3047	156	1106	1450	202	24

Progressive Learners Mainstreaming – 234 Students.

No of School	Class 3 to 6	Baseline Assessment	Progressive Learners	Learning Levels of Students	Reading	Writing	Numeracy	Total
12	1386	1386	649	Level-0	0	0	0	0
				Level-1	129	105	134	368
				Level-2	286	269	225	780
				Level-3	162	188	179	529
				Level-4	70	85	79	234
Total	1386	1386	649	Total	647	647	617	

Introduction of English as a third language in Class-1 to 4

495 nos. of students of 13 Utthan Schools covered under English as a third language, the students are able to speak basic English, know basic family names, animals names, 1 to 100 numbers, first and second ABCD, fruits and vegetables names, action word- sit down, stand up, run, body parts and self-introduction in 5 to 7 sentences.



E-learning classes

2000 nos. of students of 13 Utthan schools participated in E – learning classes. These classes were conducted through 3 modes: Use of Smart classes, Computer labs of schools and IT on wheels (mobile). IT Instructor, Community Mobilizer and Utthan Sahayaks held the classes on basics of computers: use of paint & brush, application of MS word, PowerPoint, Excel and internet.



Impact: E-learning classes allow children to enjoy learning, school attendances increased after e-learning used. even if the teacher of a subject is not present, the students study the day through this e-learning tool. e-learning engagement interactive multimedia content enhanced students' engagement and retention of information, technological skills exposed students to various digital tools and platforms, enhancing their technological literacy.

Installation of smart classes: AF installed smart classes in 21 Primary Schools of tribal area, Netrang and in 2 schools of Dahej area.

Use of Library books

Stories and reading are an important part of students' growth and development. Reading encourages:

- ✓ Learn new words, phrases – help in vocabulary development.
- ✓ Derive connections between stories and their own lives.
- ✓ Get familiar with great personalities of different fields, culture of the states & countries.
- ✓ Encourage them to express themselves more freely.



1189 books provided to students for reading throughout the year. Students are aware about library system – books’ catalogue, record keeping of issued and handling of books in safe manner.

Outreach strategies to support students’ learning.

- **Home Visits:** home visits have positively impacted the student’s attendance, making them more regular at school. This is a great outcome showing the effectiveness of personal outreach and support. After 294 home visits 16 progressive learners become regular.
- **Mothers’ Meet:** 133 nos. of mothers participated in mothers meet. In these meetings mothers got an opportunity to get aware of their wards’ progress, their issues of reading, writing and numeracy and Utthan Sahayaks’ role.
- **Parents’ Meeting:** 40 parents attended parents’ meeting.
- **Diwali Vacation Activities from 23rd November 2023 to 30th November 2023.** Activities focused on student skill upgradation. Total - 268 students of 5 Utthan Schools covered during the Diwali vacation. Activities conducted: to making greeting cards, Mandala Art, Diya decoration Pebble’s Art Painting, Photo frame from ice-cream sticks, Balloon doze Game, 3 letter words.



Days’ Celebration

More than 15 nos of different days celebrated under Project Utthan and covered 2700+ students and from them 650+ were progressive learners. It is observed that parents and village leaders’ involvement is increased in celebration activities like celebration of Grand Parents Day, National Girl Child Day, National Science Day, Mother’s Day, Diwali Mela etc. Celebrations of importance days in schools seen lead positive changes in students’ attitudes, behaviours, and outlook towards various issues and aspects of society. Students’ participation increased, developed leadership quality, they feel more confidence.

Team’s Capacity Building

10 Utthan Sahayaks, 1 IT Instructor and 1 Project Officer participated in 2 days capacity building training on dealing with progressive learners, conducting outreach activities and use of technology in documentation. This training was held in December 2023.

Impact:

Arunaben Rana: (Utthan Sahayak, Dahej Kanya Shala) shared her thoughts “When I received the two-day capacity building training, my concept became clear in dealing with progressive learners, doing Google meetings and filling of Google forms.

Ankita Bagdaniya: (Utthan Sahayak Lakhigam school) Before working on “Project Utthan”, I was afraid to interact with people, but now I deal with confidence. I feel leadership quality within myself.

Promotion of Sports – Athletic Meet

Adani Foundation organized Inter School Athletics meet’s Tournament for boys & girls of 6 Primary schools of Tribal area Netrang Block, Bharuch and 5 Govt. Higher Secondary Schools of Dahej area. 60 girls and 60 boys from Tribal area Govt. Primary Schools (Hathakundi, Pujpujiya, Mauza, Kavachiya and Junijamuni, Rajvadi Schools) and 98 boys & 98 girls from Higher Secondary Schools: Dahej P.J. Chheda



High School, Government High School Lakhigam, Shri OM Hari Vidhymandir Jageshwar, Government High School Kaladara and Government High School Rahiyad.
Impact of sports activities: students learn teamwork, communication, sportsmanship, time management, self-confidence, and character development.



73 students of 5th to 8th standard of Lakhigam Primary School participated in Poster Competition on the occasion of National **Road Safety Week** organized by Adani Petronet Dahej Port Limited. Objective of the event was to spread road safety awareness among the students. Winners were felicitated by Port COO, Marine Police Officers and other seniors of the port.

1.2 Community Health

SDG Alignment

Goal 3. Ensure healthy lives and promote well-being for all at all ages.

ADOLESCENT GIRLS' HEALTH AWARENESS TRAINING PROGRAM

Adolescent Girls Health Awareness Training Program held with 4448 students of 34 schools of Netrang and Dahej area. They were educated on reproductive system, puberty change, sexual health, contraception, and prevention of sexual infections. Special focus was on Menstrual Health & Hygiene – myths and misconception of menstruation. Pre and post sessions were conducted for creating awareness. These sessions were conducted with support of We Care, Dahej. Adani Foundation released a booklet related to awareness and distributed sanitary napkins among the girls.

Output:

1. **Empowerment:** girls knew about their body after KNOW YOUR BODY session.
2. **Preventive Health:** Awareness level increased about health and hygiene, nutrition, reproductive health, and disease prevention.
3. **Breaking Taboos:** dos and don'ts during menstruation covered.
4. **Reducing Health disparities:** Adolescent girls, especially in marginalized communities, often face disparities in accessing healthcare and health information. Training program helped in bridging the bridging the gaps.
5. **Promoting Mental Health:** Awareness session addressed mental health issues such as stress, anxiety, and depression, which are common among adolescent girls.
6. **Building Healthy Habits:** Instilling healthy habits early in life can have lifelong benefits. Health awareness training promote behaviours like exercise, healthy eating, and regular medical check-up.



Adolescents Girls Health Awareness & Training Program Coverage

S.N.	Villages	Block	No of School	No of Training	No of Girls attended
1	11	Vagara	11	11	987
2	24	Netrang	33	40	3461
Total	35		44	51	4448

Other Activities:

- **Global hadwashing Day** was celebrated with 180 students of 4 Primary Schools of Mauza, Junijamuni, Koliyapada and Vankhunata villages. AF team gave demonstration of 7 steps of hand wash. Importance of handwash and its impact sessions were conducted with 42 students of Koliyapada School, 57 of Mauza School, 43 of Junijamuni and 38 students of Vankhunata.
- Adani Foundation contributes to National Immunization Program – **Pulse Polio Campaign**. Vehicle support provided to Medical Team of Keshwan Primary Health Centre to reach children of remote villages of Vagra taluka. **4982 children of 21 villages** were administered polio drops.

Convergence with Govt. Scheme Pradhan Mantri Jan Aarogya Yojna

83 nos. of beneficiaries of 12 villages get facilitated to register under PMJAY. These villages are Mahudikhanch, Kawachiya, Hathakundi, Mandavi, Dabhal, NaviJamuni, Mungaj, Vankhunata, Rajwadi Bhangoria, Vankol and Pingot. During the door-to-door visit, the AF team identified people who did not have PMJAY cards, and some of the people have not yet renewed cards. PMJAY is the largest health assurance scheme. It covers Rs. 5 lakhs per person per year for secondary and tertiary care hospitalization. Details are as under:

S. N	Village	No. of beneficiary
1	Dabhal	12
2	Bhangoriya	01
3	Hathakundi	05
4	Kawachiya	14
5	Navijamuni	11
6	Rajwadi	03
7	Mungaj	04
8	Vankhunata	04
9	Mahudukhanch	04
10	Pingot	01
11	Vankol	04
12	Mandavi	20
Total		83

1.3 Sustainable Livelihood Adani Kamdhenu Project:

SDG Alignment: 2/1.1, 2.5

Goal 2. End hunger, achieve food security and improved nutrition and promote sustainable agriculture.

1.1 By 2030, eradicate extreme poverty for all people everywhere, currently measured as people living on less than \$1.25 a day.

2.5 By 2020, maintain the genetic diversity of seeds, cultivated plants, and farmed and domesticated animals and their related wild species, including through soundly managed and diversified seed and plant banks at the national, regional and international levels, and promote access to and fair and equitable sharing of benefits arising from the utilization of genetic resources and associated traditional knowledge, as internationally agreed.

INSEMINATION:

- During the period total 751 inseminations were done in Kamdhenu Program out of which 172 inseminations of conventional semen and 579 inseminations of Sex Sorted Semen done in project villages of Kamdhenu Program.

CALVING

- 45 calving reported in cows: 43 female and 2 male calves are born.
- 90 calving reported in buffalo: 87 female and 3 male calves are born.

Adani Kamdhenu Dairy Development Project

AI, PD, Calving Village wise details: October 2023 to March 2024

Village	Cattle Breeding Centre	AI			Examination			Pregnant			Cow Calving		Buff Calving	Total	
		Cow	Buff	Total	Cow	Buff	Total	Cow	Buff	Total	Male	Female	Male	Female	
Lakhigam	Dahej	3	25	28	0	9	9	0	5	5	0	0	0	4	4
Luvara		4	7	11	3	3	6	2	2	4	0	6	0	3	9
Jageshwar		0	3	3	0	0	0	0	0	0	0	0	0	1	1
Ambheta		0	0	0	0	3	3	0	0	0	0	0	0	0	0
Dahej		19	12	31	5	4	9	4	2	6	1	2	0	9	12
Jolva		0	1	1	0	0	0	0	0	0	0	0	0	0	0
Suva		0	3	3	0	0	0	0	0	0	0	0	0	0	0
Rahiyad		3	52	55	0	15	15	0	4	4	0	0	0	9	9
Koliyad		13	46	59	7	35	42	5	6	11	0	2	0	7	9
Atali		2	3	5	2	2	4	1	0	1	0	0	0	0	0
Vengani		6	18	24	3	8	11	0	3	3	0	2	1	4	7
Kaladara		4	30	34	4	38	42	1	15	16	0	1	1	11	13
Total		54	200	254	24	117	141	13	37	50	1	13	2	48	64
Kadodara	Kadodara	0	11	11	0	4	4	0	5	5	0	0	0	0	0

Padadiya		3	10	13	0	2	2	0	2	2	0	1	0	0	1
Paniadara		0	23	23	0	12	12	0	4	4	0	0	0	2	2
Narnavi		0	0	0	0	0	0	0	0	0	0	0	0	0	0
Vav		2	26	28	3	16	19	2	5	7	0	3	1	4	8
Janiyadara		19	28	47	12	22	34	1	7	8	0	0	0	0	0
Nadarkha		4	43	47	8	27	35	4	10	14	0	3	0	5	8
Pakhajan		6	28	34	6	9	15	4	8	12	0	2	0	2	4
Akhod		0	4	4	0	2	2	0	2	2	0	0	0	1	1
Total		34	173	207	29	94	123	11	43	54	0	9	1	14	24
Khojbal	Manad	2	3	5	2	3	5	1	2	3	0	0	0	0	0
Nadida		14	4	18	1	2	3	0	2	2	0	4	0	0	4
Kothiya		32	23	55	8	3	11	3	2	5	0	6	0	2	8
Manad		8	43	51	7	33	40	3	17	20	0	0	0	1	1
Mehgam		0	39	39	0	20	20	0	7	7	1	1	0	0	2
Bhuva		7	42	49	6	29	35	3	10	13	0	2	0	9	11
Navetha		1	31	32	0	14	14	0	8	8	0	3	0	6	9
Bhadbhut		7	7	14	6	11	17	2	8	10	0	3	0	3	6
Kasava		13	14	27	6	13	19	5	7	12	0	2	0	4	6
Total		84	206	290	36	128	164	17	63	80	1	21	0	25	47
Grand Total		172	579	751	89	339	428	41	143	184	2	43	3	87	135

HEAT SYNCHRONIZATION

Total 65 animals were selected from project villages out of which 57 were buffalos and 13 cows who are not able to conceive. After heat synchronization inseminations were done as per the standard protocol

ANIMAL HEALTHCARE:

Mineral Mixture: Total **635kg** mineral mixture was distributed during this year to **246** livestock holding families of Kamdhenu Program after insemination as well as at the time of examination for better productivity and fertility.

Health Camps:

- **Tribal area:** During the period total 5 camps were organized in 5 project villages of Netrang & Zagadiya talukas of Bharuch District. Total 232 animals of 121 families were treated during the camp. Total 59 buffaloes and their progenies were treated during the camp and remaining 173 were cows and their progenies.
- **Dahej Cattle Breeding Centre:** total 3 camps were organized in 3 project villages of Dahej CBC namely Kaladra, Koliyad & Rahiyad out of 12 project villages. Total 189 animals of 64 families were treated during the camp. Total 134 buffaloes and their progenies were treated during the camp and remaining 55 were cows and their progenies.
- **Manad Cattle Breeding Centre:** During the year total 6 camps were organized in 6 project villages of Manad CBC namely Manad, Kasva, Kothiya, Khojbal, Mehgam and Bhuva out of 9 project villages. Total 316 animals of 114 families were treated during the camp. Total 214 buffaloes and their progenies were treated during the camp and remaining 75 were cows and their progenies.
- **Kadodara Cattle Breeding Centre:** During the year total 6 camps were organized in 6 project villages of Kadodara CBC namely Nandharkha, Janiyadra, Paniyadra, Padariya, Kadodara and Vav out of 9 project villages. Total 304 animals of 126

families were treated during the camp. Total 278 buffaloes and their progenies were treated during the camp and remaining 26 were cows and their progenies.

TRAININGS:

- **14** nos. of training programs on **livestock management** and 3 trainings on vermicompost were organized in tribal blocks of Bharuch district in which **523 participants** were participated out of which 259 were male participants and **264** were female participants.
- whereas 2 training programs were organized in project villages of Dahej area in which 56 participants participated out of which 30 were male and remaining 26 were female participants.

VACCINATION:

Foot & Mouth Disease: During the year total 2979 animals were vaccinated for Foot. & Mouth Disease. Vaccination was done in 14 project villages out of 30 project villages.



IMPACT OF CATTLE BREEDING PROGRAM: October 2023 to March 2024

Countable Highlights: - Period: - Oct-2023 to Mar-2024		
S. N.	Particulars	Nos
1	Total Villages Covered	30
2	No of Families Benefitted (Direct)	135
3	No of Artificial Inseminations (Cow +Buffalo)	780
4	No of Conform Pregnancy (Cow + Buffalo)	165
5	No of Female Calves Born (Cow +Buffalo)	172
6	No of male Calves Born (Cow +Buffalo)	15
7	Total Dairy Farms in Project Area	90
8	Employment created for families through dairy farming	42
9	Total Milk cooperative society in Project Area	8
10	No. of Private wonder for milk Collection in villages	28
11	No of Farmers Private Milk Sale in villages	193

Period: - Oct-2023 to Mar- 2024			
Sr.	Particular	Amount Rs.	Remarks
1	Calving of 40 Cow & Buffalos progenies are occurred till date. Assuming average milk production per lactating progeny will be 2000 litters. Accordingly, it is expected that they will produce total 77200 litters of milk which is being sold @ Cow Rs. 35 & Buffalo 55/litre	36,74,000	Annexer-01
2	Total 441 female calves are born in project villages whose age wise valuation as Asset Value is in attached sheet	32,70,500	Annexure 01
3	Total 15 Male calves are born in project villages whose age wise valuation as Asset Value is in attached sheet.	25,000	Annexure 02
4	Promotion of Fodder varieties of BNH-10 Fodder Production 306.30 tons	9,18,900	Annexure-03
5	Employment created for 42 families through dairy farming. Assuming average Monthly Income from each Families will be Rs.6000/- .@ 11-month Total Income Rs. 66000/- from these 42 Families will be Rs.27,72,000/-	27,72,000	
	Total Rs.	1,06,60,400	

Annexure 1

Created Female Asset Value Report Period: October 2023 to Mar 2024							
Sr. no	Age (Month)	No of Female			Market Rate Rs.	Total Asset Value Rs.	Remarks
		Cows	Buffalo	Total			
1	0 to 6	43	87	130	2,000	2,60,000	
2	6 to 12	50	98	148	6,000	8,88,000	
3	12 to 18	17	34	51	15,000	7,65,000	
4	18 to 36	-	-	-	20,000	-	
5	Up to 36 above	-	-	-	25,000	-	
6	Progeny AI	20	39	59	30,000	7,70,000	Cow 25000Rs + buffalo 30000Rs.
7	Progeny Pregnant	2	11	13	37,500	4,87,500	Cow 35000 Rs+ Buffalo 40000Rs.
8	Progeny Calving	13	27	40	52,500	1,00,000	Cow 45000 Rs + buffalo 60000 Rs.
	Total	145	296	441		32,70,500	

Born Progeny Production Parameter Period: - Oct-23 to Mar- 2024							
S. N.	Animal Species	No. of Animal In production	Average milk Production in lactation period	Total milk Production in litre	Rate of milk	Total Milk Amount Rs.	Remarks
1	Cow	13	2200	28600	35	10,01,000	
2	Buffalo	27	1800	48600	55	26,73,000	
	Total	40		77200		36,74,000	

ANNEXURE 2

Male Asset Value Report Period: - Oct -2023 to Mar-2024							
S. N	Age (Month)	No of male			Market Rate Rs.	Total Value Rs.	Remarks
		Cow	Buffalo	Total			
1	0 to 6	02	03	05	1,000	5000	
2	6 to 12	06	04	10	2,000	20,000	
3	12 to 18	-	-	-	5,000	-	
4	18 to 36	-	-	-	8,000	-	
5	36 to 48	-	-	-	15,000	-	
6	48 to 60	-	-	-	25,000	-	
	Total	08	07	15	-	25,000	

ANNEXURE 3

Green Fodder Production Period: - April-23 To Mar-2024							
S. N.	Number Of Beneficiary	No of Village	Area in Guntha	Total Production in Ton	Market Rate Per Ton Rs.	Total Value Rs.	Remarks
1	40	30	670	306.30	2200/3500	9,18,900	

Adani Annapurna Project

Adani Foundation in association with Krishi Vigyan Kendra, Chaswad (Bharuch) is working with 76 farmers of 3 villages – Vegni (35), Kaladara (26), Koliyad (15) of Varga Taluka and 1252 farmers of 20 villages of tribal area. In Dahej area primary objective of the program is to adopt scientific agriculture practices to get maximum yield by using quality seeds and technical inputs from preparation of field to production of crops, whereas in tribal area focus is on natural farming with associated Taluka Agricultural Department, Netrang.

Key Highlights:

- **1389 nos. of farmers including 767 females participated in 24 nos. of trainings (20 villages in tribal area & 3 village in Dahej area) on smart agriculture practices & natural farming.**
- **500 nos. of female farmers have given kitchen garden kit of 10 no of vegetable seed and organic inputs in 20 village of tribal area, Netrang.**
- 04 groups of farmers have made from the village Vegni, Koliyad and kaladara, and have registered with the govt. ATMA projects.
- 26 Farmers often use green manure to enhance soil quality and increase crop yields. Farmers Contribution: Rs.7800/-
- 20 nos. of farmers of (Vegni: 10 & Kaladara: 10) Dahej area took soil test.
- 14 farmers of 03 project villages of Dahej area visited Navsari Agriculture University Navsari. They got exposure to the vermicomposting unit, dragon fruit nursery, Azola pits and Napier grass farm followed by the in-house experience sharing session with the best practicing farmers.
- A workshop on soil health, use of nano fertilizers and micronutrients was conducted on World Soil Day with 32 farmers of Dahej area. Farmers' contribution: Rs.30,000/-
- **Farmers' Day is celebrated with 355 Female farmers in Krushi Vigyan Kendra Chaswad, Bharuch. Scientists, farmers and SHG engaged in Natural farming exchanged their experiences. Immediate outcome.**
- In FY 2022-23 AF supported 110 farmers of certified seeds of wheat, but 76 farmers themselves have used those seeds to the field this year. They also got crop inputs in application of Phosphorus, use of nano urea & micronutrient fertilizer. Farmers contribution: Rs.3000/-

Outcome:

- **410 female farmers of Netrang area earned income of Rs. 1312000/- by kitchen garden activity of Natural Farming Project.**



Adani's Mahila Movement for Advancement - (AMMA)

SDG Alignment 5: Gender Equality

Achieve gender equality and empower all women and girls.

- AF is supporting 6 SHGs - in Dahej area and 4 in tribal area. All SHGs are registered under Mission Mangalam of Livelihood Mission.
- Jay Devmogra Maa Group, Hathakundi Netrang participated in government program of G20, Haat bazar, Saras fair, TRAFED for market linked Bombo draft items sale.
- New SHG Maa Ganga Bhavani Mahila Sakhi Mandal, Vengni formed in Dahej area.

Self Help Groups' Status: October to March 2024

S.N	Group	Members	Type of Business	Monthly Saving (In Rs.)	Monthly income (In Rs.) Oct	Nov	Dec	Jan	Feb	March	Total Income
1	Shiv Shakti Sakhi Mandal, Jageshwar village	10	Bag making & Apparel unit	1000/-		2700	2700	2500	2650	18,289	28,839
2	Mahadev Mahila Sakhi Mandal, Luvara	11	Vermi compost	1100/-		4600	4600	3000	19000	19810	51,010
3	Sahhdada Mahila Sakhi Mandal, Lakhigam village	11	Amul Parlour & Snacks	5500/-	21461	23375	10554	6000	18793	2200	82,383
4	Ekta Mahila Sakhi Mandal, Jolva village	10	Bag making & Apparel unit	1000/-	12796	18260	18260	13500	16,410		79,226
5	Gaushala Mahila Sakhi Mandal, Suva	10		1000/-		3310	3310	2400	56853		65,873
Total		52		9600/-	34257	52,245	39,424	27,400	113706	40,299	307,331
Tribal area: Self Help Group											
6	Jay Devmogra Maa Group, Hathakundi	10	Bamboo crafts	1000/-	15000	26000	17000	14000	578,000	1600	651,600
7	Shree sakhi mandal, Kavchiya	10	Saving	1000/-							0
8	Anjali sakhi mandal, Pada	10	Saving	1000/-							0
9	Sarvoday Sakhi Mandal, Koliyapada	11	Saving	1100/-							0
Total		41		4100/-	15000	26000	17000	14000	578,000	1600	651,600

International Women's Day Celebration

AF celebrated International Women's Day with more than 425 women of tribal area Netrang and industrial zone Dahej. Day celebrated with 300 women of 8 tribal villages including SHG members, Govt. departments' women employees – Women & Child Development, Education, Health, Livelihood and housewives at Krishi Vigyan Kendra, Chaswad and for Dahej women in Dahej Port.

Mountain Girl Seema Bhagat was the chief guest in Netrang area. She scaled Mount Kilimanjaro, the world's 4th highest peak, shared her struggle and experience and gave message: Nothing is Impossible if you've a will. Dhruvi Patel, National Ice Stock Player also addressed the women. In Dahej area, SHGs of 6 villages: Lakhigam, Luvara, Jageshwar, Jolva, Suva and Vengni, 13 Utthan Sahayaks & women engaged with Horticulture Department of Dahej Port. Adani Dahej Port Officials Mr. H.C. Hiremath (Head of Engineering), Mr. Rituraj Singh (Head of Security Department), Mr. Rajkumar Patel of Engineering Department, Mr. Ketan Maytra (Corporate Affairs) and Mr. Ajit Singh of Dry Cargo Department addressed the women and encouraged them to continue their journey of empowerment.

School girls presented tribal folk dance on the day.



Suva Gaushala – an Integrated Model

Gaushala is being developed as an alternative source of livelihood for 50 youths and 10 women of Suva village. **Alternate revenue models for gaushala include cow urine as floor cleaners, compost manure as organic fertilizer, use of cow dung for pot making, Diya making, log making, Dhoop stick making.**

These youths and women are land losers of Adani Power Ltd, Suva. AF's interventions have developed a good relationship between the community and Adani's 3 businesses: Port, Power, and Cementation.

Key Highlights

- Trainers Mr. Sanjaybhai Dave, Mr. Jayeshbhai Patel and Mr. Hirenbhai Ramavat of Anmol Guamay Products, Jamnagar imparted trainings on operation and maintenance of machineries. Trainees made products from cow dung: Diya making, pot making, Sambhrani cups, Lord Ganesha, chips etc.
- KVK team analyzed operational cost of gaushala & how to make the gaushala as a self – sufficient unit.
- 2nd training program organized from 9th to 11th January 2024 on cow-based making products for youths engaged in Suva Gaushala and SHG members, Suva. The trainers were from Anmol Guamay Products, Jamnagar. Trainees made idols of lord Ganesha, Rakhi's, other statues, and color work was also done. Incense sticks and Dhoop cups were also made.
- AF team has provided market linkages for products' sale.

Support to PVTG & Halpati:

Household survey of Kotwaliya and Halpati tribes were conducted for planning of an integrated approach of their upliftment. 174 households of Kowwaliya, a primitive tribe are covered under the survey. They are from the 7 tribal villages of Netrang taluka. A household survey of 231 Halapati community conducted in 2 core villages: Lakhigam and Luvara . Out of 231 families, 82 of Lakhigam & 149 are of Luvara. Kotwaliyas' main occupation is bamboo craft work whereas Halpatis are engaged in fishing.



Machinery Support to Kotwaliya: Adani Foundation extended its support to Kotwaliya tribes by providing machinery support for value addition in bamboo craft items on the occasion of PM Jan Man program organized at Mauza School, Netrang. . Prime Minister Shri Narendra Modi had a live conversation with primitive tribes of Jharkhand, Uttar Pradesh, Maharashtra, Andhra Pradesh and Gujarat. Honorable MLA Mr. Ritesh Vasava, Collector Mr. Tushar Sumera, Minister for Food and Civil Supplies Mr. Bhikhubhai Parmar, T.D.O Shohail Patel and Extension Officer Yogesh Pawar were present in this program.

Community Engagement

Lakhigam Premier League: 410 players of 37 teams of Lakhigam participated in **Lakhigam Premier League 2023 – 24 – Season 9**. Shivam 11 lifted the trophy of champion in an exciting final. They defeated Mahakal 11 by 1 run. This is their 8th win. AF provided t-shirts, trousers, shoes, bats, balls, wickets, trophies, medals and refreshment whereas Lakhigam Gram Panchayat bear the expenses of mandap service, drinking water, sound system.



1.4 Community Development

Infrastructure development plays a pivotal role in driving economic growth, improving living standards, and enhancing overall quality of life. Recognizing this importance, the organization has integrated infrastructure development into CSR agenda, focusing on projects that benefit communities in which we operate. Community Development encompasses a range of sectors, including education, healthcare, sanitation, transportation, and renewable energy.

1.4.1 Construction of Multipurpose Hall at Lakhigam

To promote indoor sport, Adani foundation has constructed a multipurpose hall, based on the request from Lakhigam Gram panchayat at GIDC plot at Lakhigam. Construction took place on a 20 m X 10 m plot.

Key amenities provided:

- Multipurpose hall (15 m X 10 m)
- Changing room inside the hall
- Kitchen storeroom with shade
- Sanitation block
- Ramp for differently abled persons.
- Electrification of the building (With Fans, tube lights and exhaust fan in sanitation block)

The hall can be utilized for organizing social functions, for the practice of indoor games, for training etc. Also, the pilgrims and saints coming for Narmada parikrama or who is visiting Lakhabava temple can stay over here in the hall.



Multipurpose Hall, Lakhigam

1.5 Climate Action

Climate action objectives typically focus on reducing greenhouse gas emissions, transitioning to renewable energy sources, increasing use of energy efficient equipment, preserving ecosystems, promoting sustainable practices, and adapting to the impacts of climate change. These objectives aim to mitigate global warming and its adverse effects on the environment, economy and society.

1.5.1 Installation of Solar panel on Multipurpose Hall at Lakhigam

To promote renewable energy and reduce the carbon footprint, Adani Foundation, Dahej has installed a 6kW capacity Solar power generation system on terrace of multipurpose hall constructed by AF.

System consists of:

Solar Panel: 11 nos. 540w Adani make bifacial mono perc panel (with 25 years of performance warranty)

- Inverter: compatible with 6kW solar system Solaryaan make inverter
- Structure: Hot dip galvanized iron pipe structure
- Necessary consumables such as cables, Switches, earthing etc.

A 6kW solar system typically generates around 8154 kW of electricity annually, offsetting roughly



6 kW capacity Solar power generating system.

167 tons of carbon dioxide emission. The installation will be equal to planting 267 teak trees over the lifetime or removing 1.3 cars from the road annually. It will also reduce the burden of electricity bill of streetlight on gram Panchayat. Also, the surplus electricity will be transmitted back to the grid.

Linkage with Govt. Schemes

Tribal area: Netrang

S. N	Scheme	Beneficiaries	Monetized value	Benefitted	Monetized Value
1	PMJAY	83	41500000	83	41500000
3	Tribal Sub Plan	100	428000	100	428000
4	NFSM	246	1052880	246	1052880
5	Power Spray Pump	10	25500	10	25500
7	Artisan Card	145	290000	145	290000
8	Tadpatari	204	264350	204	264350
9	Manav Garima	9	259000	0	
10	KVK	63	18420	63	18420
11	Smart phone Scheme	9	54000	9	54000
12	Pipline Scheme	14	0	0	0
13	Cultivator Scheme	6	231000	0	0
14	Tractor Scheme	18	1080000	0	0
15	PM Vishwakarma	2	30000	0	0
Total		909	45233150	860	43633150

In Dahej area

S. N	Name Schemes	Total Beneficiaries	Beneficiary Contribution	Total Rate of Kit	Got Benefitted	Benefit
1	Tarpaulin	5	1600	3645	5	18225
2	Nano Urea Kit	4	870	2495	4	9980
3	Soil Health Card	20	Free of Cost	600	20	12000
4	NFSM Schemes (pigeon pea seed)	17	10	600	17	10200
5	NFSM Cotton Seed	14	600	2500	14	35000
6	Solar Fencing	21	50 per cent	23000	5	115000
Total		81			65	200405

S. N	Beneficiaries registered in Govt. schemes	Actual Benefitted	Monetized value
1	990	925	43833555

93.43 per cent beneficiaries are availing the benefits of different Govt. Schemes.

1.6 Human interest stories

Background Information

Student's Name: Nileshbhai Bhavikbhai Rathod

Age: 11 years

Standard: 5th , Primary school Luvara.

Village : Luvara , Block; Vagra District:
Bharuch.

Student Mother: Nilamben Bhavikbhai Rathod
(Housewife)

Father Name: Bhavikbhai Rathod.

Father's qualification 10th standard.

Father's occupation: Mandap service.

Hello, I am Nilesh Rathod, a student of Class 5 in Govt. Primary School, Luvara. Few months back I was irregular in school. Due to my irregularity, reading and writing became difficult for me.

During COVID – 19, my father gave me a mobile phone to attend online classes and continue my studies. Slowly, I got used to watching cartoons and playing games on phone. I became a mobile addict. I started getting tired of going to school. My name was recorded as a progressive learner. One day, Utthan Sahayak Ms. Parulben visited my house and met my parents. She continued her meeting with my parents and simultaneously encouraged me to be regular in the class. She instructed my parents to avoid giving mobile to me. Utthan Sahayak put extra efforts for me. She took daily follow up and motivated me for reading, writing and numeracy progress. Now I am doing better in studies and sports activities.

Thanks Project Utthan – Adani Foundation



Name of Farmer: - Mrs. Sakuben Girishbhai Gohil

Village: - Nandharkha

Name of CBC: - Kadodara

Myself Sumitraben Gohil from Nandharkha village is engaged in buffalo rearing since my childhood. In my village all ladies are engaged in feeding and milking of dairy animals. Responsibility of Care and management of buffaloes is fully on my shoulder. Due to marginal income from agriculture and livestock my husband doesn't want to invest as required for dairy animals. But income generated through sell of milk is helpful to meet our basic needs of my families as well as requirement of milk. In my village health care facility is not available so all of us are dependent on private service provider who are charging too high which is unaffordable to all of us. Apart from these results are not so good as expected by us. One of my buffalo was suffering from conjunctivitis for which four visits were called from Bharuch and we spend more than Rs. 4500/- but all our efforts and money go in vain. Day by day her health condition becomes deteriorate and affected eye become swollen with yellow discharge from eye due to that flies were attracting towards her face resulting that she was not able seat at one place. Affected animals left to take feed and her milk production goes decreasing day by day. By seeing the health condition my husband decided to sell the buffalo.

Few days back a camp was organized in my village and kamdhenu team was visiting door to door to avail free of charge health services but initially refused to take the services because we had decided to sell the buffalo. Kamdhenu team came to my house and examined my buffalo and after examination they assured me that my buffalo will recover after three consecutive days treatment. At last, i gave permission to do the treatment. On next day improvement was noted in feed intake and milk production i was surprised to saw this then i had seen her eye, shocked to saw the improvement because lacrimation was totally stop and her eye was opened. Immediately i informed the same to my husband who also surprised and called Kamdhenu team for follow up treatment. Now my buffalo is totally recovered from eye problem and day by day there is improvement in health condition as well as milk production.

I am thankful to Adani Foundation for providing need-based services.



Name: Bhagubhai Vasava

Age: 61 years

Village: Kavachiya, Taluka; Netrang, Distt: Bharuch

Hello everyone, I am Bhagubhai Vasava lives in Kavachia village of Netrang Taluka, Bharuch district with my family. I am 61 years old. I often moved to different villages in search of work due to which 13 members of my family did not have any kind of IDs, so we faced many difficulties – not registered under any Govt. schemes.

AF team came to know about our case they visited my house. They discussed with village Sarpanch Shankarbai and Talati Ashaben. The matter was then reported by the Panchayat and AF to the Mamladdar Anil Vasava of Netrang, Mamlatdar Mr. Vasava personally visited my family and had a meeting with the Panchayat and AF team. As a result, 8 members of my family got Voters' ID cards.

With the help of AF, Panchayat and Mamladdar of Netrang taluka my family got recognition in the village and henceforth now we are considered natives of Kawachiya village. Now we will get the benefits of all Govt. schemes.

Thanks Adani Foundation for your timely support.



1.7 Employee Volunteering Program

Program	No. of Employees volunteered	No. of person hours
Diwali Mela	12	5

Adani Petronet Dahej Port Limited supported SHGs by purchasing their handicraft items on Diwali Mela 3rd November 2023 in Dahej Port. Objective was to promote SHGs products among Port employees. Mela inaugurated by Sh. Pankaj Sinha, Marine Head. Groups participated: Mahadev Sakhi Mandal, Luwara; Ekta Mahila Sakhi Mandal, Jolva; Gaushala Sakhi Mandal, Suva; Jaidevmogra Maa Group, Hathakundi.

Kalrav School of intellectually challenged children, Bharuch also got an opportunity to sell their gift items.

On this occasion, all department heads of Port and other employees were present.

SHGs sold items of more than Rs.18000/-



1.8 Media coverage

અદાણી ફાઉન્ડેશન દ્વારા દહેજ અને નેત્રંગમાં મહિલા દિવસની ઉત્સાહભરે ઉજવણી

મહિલાઓને આત્મનિર્ભર બનાવવામાં મહિલા મંડળની મહત્વની ભૂમિકા



આત્મનિર્ભર બનાવવામાં મહિલા મંડળની મહત્વની ભૂમિકા

અદાણી ફાઉન્ડેશન દ્વારા કોટવાળિયા સમાજને આત્મનિર્ભર બનાવવા માટે સાધન સહાય



કોટવાળિયા સમાજને આત્મનિર્ભર બનાવવા માટે સાધન સહાય

ખેડૂત પ્રાકૃતિક ખેતી તરફ વળે એ સમયની માંગ છે: કૃષિ વૈજ્ઞાનિકો

અદાણી ફાઉન્ડેશન દ્વારા "રાષ્ટ્રિય ખેડૂત દિવસ" ની "પ્રાકૃતિક ખેતી પરિસંવાદ" યોજાવે પ્રેરણાદાયી ઉજવણી કરવામાં આવી



સખી મંડળની બહેનો વિવિધવસ્તુઓ વેચાણ માટે લાવ્યાં દહેજ ખાતે અદાણી ફાઉન્ડેશન દ્વારા દિવાળી મેળાનું આયોજન

મેળામાં સખી મંડળની બહેનોએ વિવિધ ચીજવસ્તુના વેચાણ કર્યું



ભરૂચ જિલ્લાના ક્રિકેટ પ્લેયર્સને પ્રોત્સાહન આપવા માટે અદાણી ફાઉન્ડેશન-દહેજ દ્વારા લખીગામ પ્રિમીયર લીગ (LPL)નું આયોજન



ભરૂચ જિલ્લામાં સૌપ્રથમવાર અદાણી ફાઉન્ડેશન દ્વારા પ્રાકૃતિક ખેતીનો પ્રારંભ



1.9 Appreciation letter from important stakeholder(s)



For Multipurpose Hall



For Solar panel system



Smart Class



1.10 Beneficiaries count¹

S.No.	Activity Description	Direct	Indirect	Access	% Marginalized
A.	Education				
1	Project Utthan	3047	12188		60
2	Project Utthan (tribal area)	1464	5856		100
B.	Community Health				
1	Adolescents Health Awareness Program	4448			100
C.	Sustainable Livelihood				
1	"Kamdhenu" - Dairy Development (SDG 15)	6231	24924	54951	60
2	Adani Khel Utsav	410			10
3	Adani's Mahila Movement for Advancement - (AMMA)	736	2944		
4	Adani Annapurna	1085	4340		80
5	Suva Gaushala	50	250		
6	Vruksh se Vikas	1258	5032	11112	95
D.	Community Development				
1	Construction of Multipurpose Hall at Lakhigam	5000	0	0	10
E.	Climate Action				
1	Installation of Solar panel on Multipurpose Hall at Lakhigam	5000	0	0	10
2	Adani Foundation Flood Relief Program	1000	4000	0	70

Adani Foundation team

S. N.	Name	Position
1.	Usha Mishra	Unit CSR Head
2.	Laxman Khose	Senior Project Officer
3.	Yogesh Meghpara	Project Officer
4.	Vipul Vasava	Community Mobilizer
5.	Sumit Vasava	Community Mobilizer
6.	Smita Vasava	Community Mobilizer
7.	Piyush Prajapati	Community Mobilizer
8.	Khushbu Kumari	Community Mobilizer
9.	Ansoya Vasava	Office Assistant



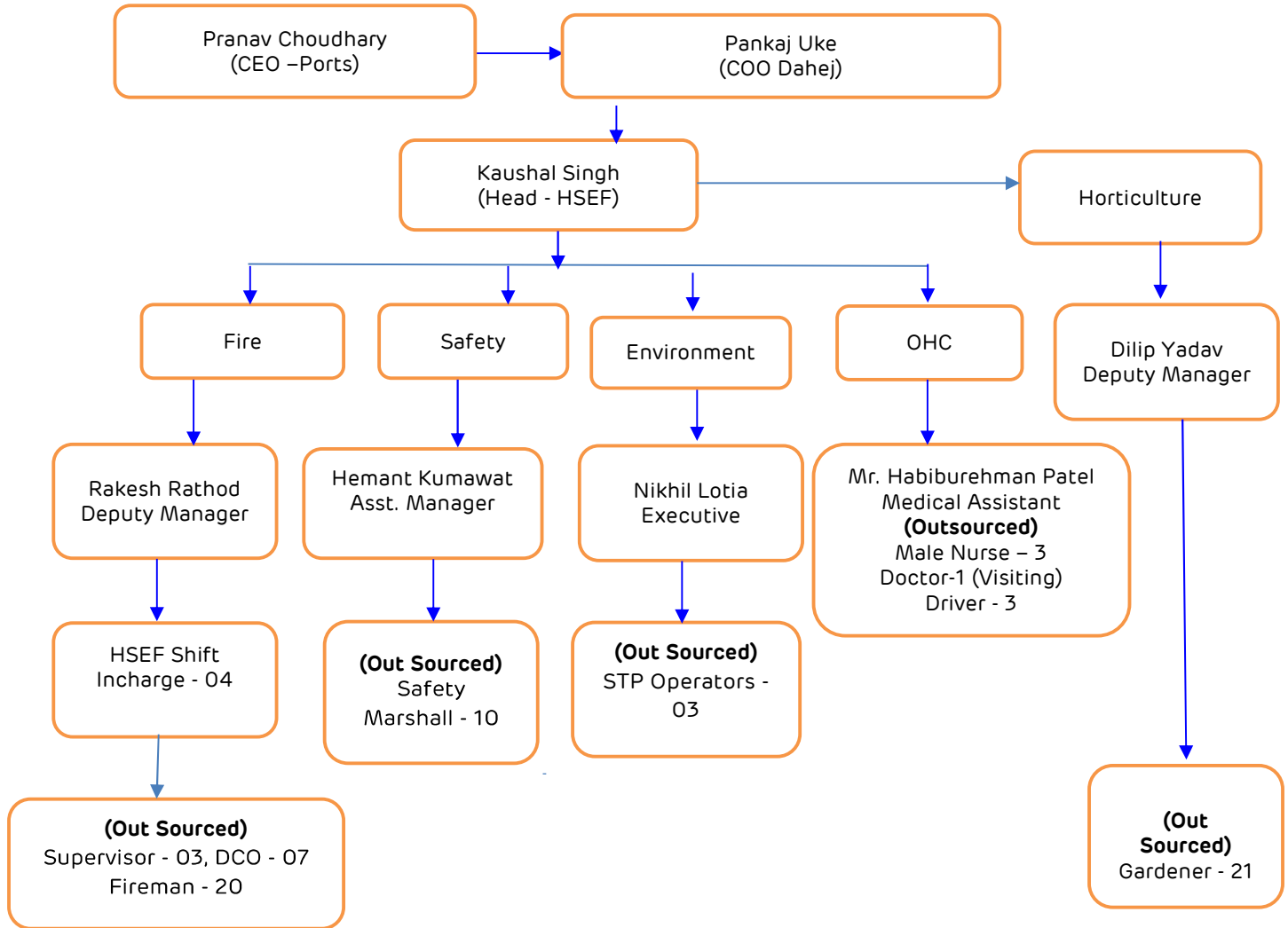
Site office address:

Adani Foundation, Dahej
At & P.O: Lakhigam, Taluka: Vagra via Dahej
Bharuch: 392130, Gujarat (India)

Annexure - 7: Organogram of APDPL - Environment Management Cell

ADANI PETRONET (DAHEJ) PORT LTD.

Department: HSE Management Cell



Details of Environment Cell				
S. No.	Name	Designation	Qualification	Work Experience
1.	Kaushal Singh	Associate Manager - HSE	Dip-Mech, PGDFS, NEBOSH	19 Years
2.	Rakesh Rathod	Deputy Manager	B. Sc. Fire & Safety, M. tech – Industrial Safety, PDIS	18 Years
3.	Dilip Yadav	Deputy Manager (Horticulture)	B. Tech Agriculture Science	17 Years
4.	Hemant Kumawat	Asst. Manager	Dip – Mech, Dip. In Fire & Safety, NEBOSH	16 Years
5.	Nikhil Lotia	Executive	B.E. Environment	9 Years

Annexure – 8: Environment Budget and Expenditure for the FY: 2023-24

S. NO.	ACTIVITY/ CATEGORY	COST INCURRED (IN LACS)			BUDGETED COST (INR IN LACS)
		2021-2022	2022-2023	2023-2024	2023-2024
1.	EHS Manpower	5.5	6.0	6.5	6.5
2.	Legal & Statutory Expenses	1.12	1.12	3.0	4.5
3.	Environmental Monitoring Services	14.71	14.71	11.25	13.10
4.	Cost for Water Consumption and use dust suppression	84.62	272.13	311	312
5.	Hazardous Waste Management & Disposal	1.32	2.0	-	2.18
6.	Greenbelt Development and Plantation	38.0	38.42	44.66	51.44
7.	O&M of Sewage Treatment Plant	5.99	6.0	6.79	6.79
8.	Environment Day Celebration	0.36	0.35	0.35	0.50
9.	Treatment and Disposal of Bio-Medical Waste	1.92	2.10	2.01	2.0
10.	Operation and Maintenance of Road Cleaning equipment and manpower	61.68	55.79	55.15	59.0
11.	Operation and Maintenance of Fire staff engage in water sprinkling activity	99.04	88.21	78.90	92.99
12.	Impact Assessment Study as per NGT order dated 23.11.2023.	-	-	40.0	48.58
13.	Environmental Study / Audit and Consultancy	0.54	3.90	-	-
14.	Bio Shield Project at village Malpur & Jambusar, Bharuch 1000m x 200m(1.0km)	4.07	2.30	-	-
Total Amount (In Lacs)		319.26	487.53	559.61	599.98

**Annexure 9 Green Zone Detail
Adani Petronet Dahej Port Ltd**

Sr.No.	Green Zone	Location	Area In (Ha.)	Tree(No.)	Name of Plants	Shrubs(Sqm)	Green carpet(Sqm)	Palm	Remark	
1	68 (a)	CG-3	0.02		Ixora	200				
			0.01		Hibiscus	139				
			0.03		Eranthemum	270				
		PMC office area Landscape	0.45	500	Delonix regia					
			0.23	250	cassia simia					
			0.20	450	Coconut spp.					
			0.10		Shrub	1000				
			0.07		lilly	730				
			0.15		Lawn		1500			
			0.020		Palm				50	
			0.008000	20	peltoferum					
Back side lakhibaba temple @Boundary site plantation (phase -1)	0.39	1700	Casurina Equisitifolia							
		821	eucalyptus							
Back side lakhibaba temple @Boundary site plantation (phase -1 a)	0.27	600	Casurina Equisitifolia							
Total			1.95	4341		2339	1500	50		
2	68 (b)	Gcptcl boudry wall site plantation (phase-1)	1.35	6000	Casurina Equisitifolia					
		APPPL office area (SS-7)	0.36	450	Delonix regia					
		ODC GATE	0.01	51	Conocarpus					
		Gcptcl boudry wall site plantation (phase-1 a)	0.16	700	Delonix regia					
			0.10		Shrub	1000				
			0.8		Lawn		8000			
			0.04		Palm				100	
		Total			2.81	7201		1000	8000	100
3	68(C)	LNG Site Boundry wall site plantation	0.95	4200	Casurina Equisitifolia					
			0.04		Palm				100	
Total			0.99	4200		0	0	100		
4	68 (d)	Stack yard	0.72	3200	Casurina Equisitifolia					
			Total			0.72	3200.00			
5	68 (e)	Road site Avenue tree plantation	0.77	1700	Casurina Equisitifolia					
			1.53	2000	Conocarpus					
				3358	eucalyptus					
				90	Azardirecta indica					
				208	Cassia siamea					
				217	Techoma					
				90	Gulmochar					
				235	peltoferum					
			1.08	1800	Conocarpus					
			0.30		Shrub	3000				
			0.02		Lawn			200		
0.08		Palm					200			
Total			3.78	9698.00		3000.00	200.00	200.00		
6	68 (f)	Main gate Area	Beautification from Main Gate to GCPL Divider (Bhutmama Temple)		0.39		neerium	2200.00		
			3.75	1500	Peltofouram					
			0.60	500	Azardirecta indica					
			0.26	320	Conocarpus					
			0.32	810	Conocarpus					
			0.24	525	Casurina Equisitifolia					
			0.35	220	Conocarpus					
			0.23	500	Golden Bamboo					
			0.35		Shrub	3450				
			0.25		Lawn			2500		
			Total			6.73	4375.00		5650.00	2500.00
7	68 (g)	Railway yard area Phase 1	1.13	5000	Casurina Equisitifolia					
			0.0175	175	Paltoferum					
			1.13	5000	Casurina Equisitifolia					
			0.15	255	Conocarpus					
			0.30	500	eucalyptus					
			0.08		Palm				200	
			Total			2.80	10930.00		0.00	0.00
8	68 (h)	cg-2	0.05	500.00	Conocarpus					
			0.0130		neerium	130.00				
		Permenant Godown area	0.44	1680	Shrubs and forest tree plantation					
			0.15		Srubb	1500				
			0.21		Lawn		2100			
			0.06		Palm				150	
		Coal Yard Area	1.23	3086	Conocarpus /Casurina					
			0.13	560	Conocarpus					
				3526	eucalyptus					
			0.03	120	peltoferum					
		Perifery road side and Behind W B 6	0.12		Lawn	1200				
			1.32	5860	eucalyptus /conocarpus					
		Dahej Ramji Temple Green belt	0.05		Shrub		500			
			0.24		Palm				150	
	0.72	800	Peltofouram /Azardirecta indica/ Conocarpus/ Palm							
Total			4.76	16132.00		2830.00	2600.00	300.00		
9	68(i)	YARD 16 (NEW ROCK YARD)and near area	0.28	2807	Casurina eucalyptus					
				104						
			0.09		Bougainvelliya	888				
			0.09		Neerium	888				
			0.03	300	Conocarpus					
Safety Excellence Center	0.06		Lawn		600					
Total			0.55	3211.00		1776.00	0.00	0.00		
10	68(j)	Fruit Plantation Area	90		Sapota					
			16		mulberry					
			5		pomegranate					
			38		gauva					
			12		sitafal					
			17		Lemon					
			20		Black Jamun Plant					
			18		amla					
			Total			0.19	216.00			
Grand Total			25.27	63504.00		16595.00	14800.00	950.00		

Bio-shield

Malpur village, Jambusar taluka, Bharuch district

Service Order No: 5700270907 dated 26.06.2019

Project Period: 1st July, 2019 to 30th June, 2022

Project Supported by: Adani Petronet (Dahej) Port Pvt. Ltd.

Project Implemented by: SAVE – Saline Area Vitalization Enterprise Limited

Reporting Period: 1st July, 2019 to 30th June, 2022



Saline Area Vitalization Enterprise Ltd. (Save) has started a Bioshield project in the year 2019 in Malpur village in Jambusar taluka of Bharuch district in collaboration with Adani Petronet (Dahej) Port Pvt. Ltd. In order to provide employment to the people of Rathod community and deprived community in this village as well as to protect the coastal environment, a committee has been formed to work with the local people for public participation.

SAVE Ltd. has developed a Bio-shield in the 20 hectare Coastal area of Tankari Village and between Malpur and Isanpur Villages in Jambusar Taluka in which Plantation of Mangroves and Pilu (*Salvadora persica*) has been done to prevent soil erosion as well as conserve marine life and to provide fodder to the cattle of this village. Thus SAVE Ltd. works to preserve the environment, prevention of Soil erosion and provide employment to the local community.

Background:

In the beginning the plantation plan was as under, wherein there were two 5Ha plots identified for Mangrove Plantation and then on the interior side a plot of 10Ha for *Salvadora*(Piludi) Plantation. However, Piludi Plantation failed in this area and then a decision was taken to do Piludi Plantation of 10Ha in Village Tankari Location. This decision was taken after Adani Team visit on 18th December 2020. The Maps and GPRS points are as under:



Malpur Bio -1 Mangrove & Pilu 20 ha.			
No	Code No.	N	E
1	AM-1	22° 1'57.10"N	72°31'25.90"E
2	AM-2	22° 1'57.80"N	72°31'22.00"E
3	AM-3	22° 1'26.80"N	72°31'19.50"E
4	AM-4	22° 1'28.20"N	72°31'15.30"E
5	AM-5	22° 1'58.70"N	72°31'19.70"E
6	AM-6	22° 1'28.00"N	72°31'12.50"E
7	AM-9	22° 2'0.90"N	72°31'13.90"E
8	AM-10	22° 2'1.60"N	72°31'11.70"E
9	AM-11	22° 1'27.80"N	72°31'5.30"E
10	AM-12	22° 1'27.90"N	72°31'3.20"E

Reason for failure of Pilu (*Salvadora persica*) Plantation at the above location :

- 1. Presence of Salt Pans/Salinity** - High salinity, excessive heating of land, no other vegetation supported. In short pilu is not supported by type of saline land.

2. Change in tidal pattern - The sea water fails to reach pilu plantation (around 500mts from the coast) , observed during that time.

Hence, the decision was taken to relocate Pilu Plantation of 10 Ha to village Tankari.

Current status -

The Bioshield is 1000 mtr in length and 200-300 mtr in width. The Following Plants have been grown:

- Mangroves have been planted on Sea-side in 1000 mtr (L) x 200mtr (W).
- Piludi (Salvadora persica) is being planted towards Land-side in 1000 mtr (L) x 100 mtr (W).
- Pilu Plantation at Village Tankari Site (New Site):
- Pilu Plantation done in a 10 Hectare area, wherein 30,000 Plantation has been done:

Pilu Plantation:

Sr. No.	New Location	Area (Ha)	Total Plantation to be done (target)	Plantation of Pilu done in the year 2021	Total Number of surviving Pilu plants calculated in June 2022
1	Village Tankari	10	30,000	30,000	27,365

Note: In the year 2021-22, total 30,000 Pilu seedlings have been planted in 10 hectares area at the Tankari sea site area. As per the calculation in June-2022, the number of surviving seedlings is 27,365.

Mangrove Plantation at Malpur : -

Sr.	Approved area (in hectares)	Total Plantation (Target)	Number of seedlings planted in 2019-20	Plantation done in the year 2021	Final live plants after counting in June 2022
1	5	15,000	15,000	10,120	16,170
2	5	15,000	15,000	0	15,000
Total	10	30, 000	30,000	10,120	31,170

Note -

As per the counting done in June-2022

- In Plot No. 1 at Malpur Sea site 05 hectares area the number of surviving plants is 16,170

- In Plot No. 2 gap filling has been carried out in 05 hectares area. The number of surviving plants here is 15,000.

Visit of Plantation area by Adani Team members

A field visit was organized by the Adani Team on 30th June 2022. Mr. Nikhil Kumar and Mr. Kaushal Kumar from Adani had come for the site inspection and Kantibhai and Rameshbhai from SAVE Ltd were present at the site.

On Both the sites, it was observed that the plantation is good. It was observed that plant growth, height and survival rate, etc. are good.

Adani Petronet Team Visit 2019



Latest Photographs

Pilu Plantation





Mangrove Plantation Area





Mangrove Gap Filling Area



Photographs of Pilu Plantation site visit by ADANI Team on 30th June, 2022.



Mangrove Plantation area site visit



Gap Filling area site visit





COMPLETION CERTIFICATE:

The Completion Certificate is attached herewith along with the maps and GPRS Points.



SALINE AREA VITALIZATION ENTERPRISE LIMITED

ISHAVASYAM

Opp. Lajpatnagar, Eeshita Towers Road, Navrangpura, Navjeevan, Ahmedabad-380 014 INDIA
Tel/Fax.: 91-79 - 2640 3715, 2640 4263 email : saveitd1995@gmail.com, website : www.divadandi.com

CIN - U74140GJ1995PLC027080

SAVE/APPPL/2019-2022

TO WHOMSOEVER IT MAY CONCERN

REF: Service Order No.5700270907 dated 26.06.2019

Saline Area Vitalization Enterprise Limited (SAVE) has successfully carried out Bioshield Plantation Work (Mangrove Plantation and Salvadora Plantation) of 20Ha area beginning in July 2019 and completion of the Project in June 2022.

The Project has been implemented by Adani Petronet (Dahej) Port Pvt Ltd, AT & PO Lakhigam, Taluka Vagra, via Dahej, BHARUCH - 392130, Gujarat State.

The Bioshield Plantation has been done in the Villages Malpur (10Ha Mangroves) and Tankari (10Ha Salvadora-Piludi), in Jambusar Taluka, Bharuch District, Gujarat State.

The details are mentioned below:

BIOSHIELD STATUS (JUNE 2022)				
Year	Location	Area(Ha)	Species	Remarks
2019-2022	Malpur	10.00	Avicennia marina (Mangroves)	Good Growth
	Tankari	10.00	Salvadora (Piludi in Gujarati)	Good Growth.

Place : Ahmedabad.

Date : 30th June, 2022.

For Saline Area Vitalization Enterprise Ltd.,

Rajesh Shah
For, Saline Area Vitalization Enterprise Ltd.
Managing Director



Rajesh Shah
Managing Director

Encl: Location Maps and GPRS Points.



Malpur Bio -1 Mangrove & Pilu 20 ha.			
No	Code No.	N	E
1	AM-1	22° 1'57.10"N	72°31'25.90"E
2	AM-2	22° 1'57.80"N	72°31'22.00"E
3	AM-3	22° 1'26.80"N	72°31'19.50"E
4	AM-4	22° 1'28.20"N	72°31'15.30"E
5	AM-5	22° 1'58.70"N	72°31'19.70"E
6	AM-6	22° 1'28.00"N	72°31'12.50"E
7	AM-9	22° 2'0.90"N	72°31'13.90"E
8	AM-10	22° 2'1.60"N	72°31'11.70"E
9	AM-11	22° 1'27.80"N	72°31'5.30"E
10	AM-12	22° 1'27.90"N	72°31'3.20"E



Tankari Pilu 10 ha			
No	Code No	N	E
1	A-688	21°57'41.53"N	72°39'40.96"E
2	A-690	21°57'43.03"N	72°39'40.77"E
3	A-692	21°57'45.60"N	72°39'40.54"E
4	A-1869	21°57'42.28"N	72°39'49.59"E
5	A-1871	21°57'42.66"N	72°40'0.53"E
6	A-1872	21°57'44.01"N	72°40'0.21"E
7	A-1873	21°57'47.60"N	72°39'58.53"E
8	A-1874	21°57'50.35"N	72°39'57.06"E
9	A-1875	21°57'48.34"N	72°39'53.24"E
10	A-1876	21°57'46.81"N	72°39'53.74"E
11	A-1877	21°57'46.06"N	72°39'48.60"E
12	A-1878	21°57'46.30"N	72°39'45.55"E
13	A-1885	21°57'43.27"N	72°40'7.46"E
14	A-1886	21°57'42.61"N	72°40'7.53"E
15	A-1887	21°57'42.04"N	72°40'7.64"E
16	A-884	21°57'41.27"N	72°39'59.78"E
17	A-885	21°57'42.24"N	72°39'59.87"E
18	A-887	21°57'44.31"N	72°40'20.67"E
19	A-888	21°57'46.58"N	72°40'20.34"E

adani

Ports and
Logistics

etc

Ref No.: APDPL/Env. statement/2022-23

Date: 18.05.2023
XGN ID: - 31664

To,
Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan,
Sector 10-A, Gandhinagar - 382010

Subject: Environment Statement for the financial year ending 31st March 2023 for
M/s Adani Petronet (Dahej) Port Ltd.

Ref: Consent Order No. AWH- 73359, AWH - 109820, CCA Amendment No. W-
108215 & AWH-116434.

Dear Sir,

With reference to the above-mentioned subject and reference, please find enclosed Environmental Statement in Form V prescribed under Rule 14 of the Environment (Protection) Rules 1986, for M/s Adani Petronet (Dahej) Port Ltd., At & Post Lakhigam, Taluka Vagra, District Bharuch for the financial year ending 31st March 2023.

Thanking you,

Yours faithfully,
For Adani Petronet (Dahej) Port Ltd.
(Formerly, Adani Petronet Dahej Port Pvt. Ltd.)



(Authorized Signatory)

Encl: As above.

Copy to:

1. The Regional Officer, Gujarat Pollution Control Board, Bharuch.

Adani Petronet (Dahej) Port Limited
At & PO: Lakhigam
Taluka: Vagra, Via Dahej
Bharuch 392 130
Gujarat, India
CIN: U63012GJ2003PTC041919

Tel: +91 2641 28 5002
www.adaniports.com


Post Received
Gujarat Pollution Control Board
BHARUCH

Registered Office: Adani Corporate House, Shantigram, Nr Vaishno Devi Circle, S G Highway, Khodiyar, Ahmedabad 382 421, Gujarat, India