

# adani

Ports and  
Logistics

etc

Letter No.: APDPL-EHS/MOEF RO/EC Comp (III)/2023/02

Date: 01.12.2023

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 from **April 2023 to September 2023.**

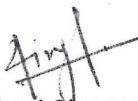
**Ref.:-** 1) Environmental and CRZ clearances granted to M/s. Adani Petronet (Dahej) Port Pvt. Ltd. for **Phase-III** vide letter dated 14.10.2016 bearing F. No.: 11-37/2007-IA-III.  
2) CRZ Clearance / Recommendation issued by Department of Environment & Forest, GoG for **Phase III**, dated 14.03.2016 bearing No.: ENV-10-2015-171-E.  
3) Mail dated 29.11.2023 for submission of compliance.

**Dear Sir,**

Please find enclosed herewith point wise compliance report of conditions stipulated in the above referred letters for the period April 2023 to September 2023. Mail is already forwarded dated 29.11.2023 and copy is attached for your reference.

Thanking you,  
Yours Faithfully,

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

  
(Authorized Signatory)

*Bluish*  
Post Received  
Gujarat Pollution Control Board  
BHARUCH  
2/12/23

**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, 8<sup>th</sup> 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. Gujarat Pollution Control Board, Parvayaran Bhawan, Sector-10A, Gandhinagar-382010

5. The Regional Officer, Gujarat Pollution Control Board, Bharuch (Gujarat).

Adani Petronet (Dahej) Port Limited Tel +91 2641 28 5002  
At & PO: Lakhigam www.adaniports.com  
Taluka: Vagra, Via Dahej  
Bharuch 392 130  
Gujarat, India  
CIN: U63012GJ2003PTC041919

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

**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: APRIL 2023 TO SEPTEMBER 2023)**

**BY**

**ADANI PETRONET (DAHEJ) PORT LTD.**

**VILLAGE: LAKHIGAM, TALUKA: VAGRA,**

**DISTRICT: BHARUCH, GUJARAT- 392130**

**LIST OF APPENDIXES**

<b>S. No</b>	<b>Details</b>
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
3	Name change letter of CCA granted vide letter no. GPCB/BRCH-B/CCA-06(8)/ID-31664/742063 dated 15.05.2023 attached as <b>Annexure 11</b> .
4	Name change letter of MOEF&CC for Phase III with proposal no. IA/GJ/INFRA1/424584/2023 is granted on 01.09.2023. Letter is attached as <b>Annexure 12</b> .
5	Project status like developed so far and yet to be developed as we submitted in name change application is given below.

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

<b>Facilities / Project Components approved as per EC&amp;CRZ Clearance and CTE</b>	<b>Capacity</b>	<b>Facilities / Project Components developed / In Operation As per CC&amp;A</b>	<b>Remaining facilities / Project Components to be developed as approved in EC &amp; CTE</b>
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** : Compliance Status of EMP As Per EIA Report
- Annexure 5** : CSR Report from April 2023 to September 2023
- Annexure 6** : Environment Management Cell
- Annexure 7** : Environmental Budget & Expenditure for FY 2023-2024
- Annexure 8** : Green Belt development plan FY 23-24.
- Annexure 9** : Bioshield Project Report.
- Annexure 10** : Acknowledge copy of Environment Statement for FY 22-23.
- Annexure 11** : Name change copy of CCA from GPCB of APDPPL to APDPL
- Annexure 12** : Name change copy of MOEF&CC from APDPPL to APDPL

<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase - III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
(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.	<b>Complied.</b> 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 13.10.2026. Attached in <b>Annexure 1.</b>
(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.	<b>Noted.</b>
(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.	<b>Being Complied</b> 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.	<b>Complied.</b>
(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.	<b>Complying with.</b> <ul style="list-style-type: none"> <li>• No marine construction activities are carried out on marine front after September 2019.</li> <li>• Reclamation of the area is being done as per the approval received.</li> <li>• There is no dumping of any material outside the project area towards the shore.</li> <li>• National Institute of Ocean Technology, Chennai has carried out study on shoreline changes in the vicinity of Dahej Port.</li> <li>• 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.</li> <li>• 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.</li> <li>• As per the report no additional mitigation measure is</li> </ul>

<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
		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.	<b>Complied.</b> All the commitments made during the public hearing have been complied with. An action taken report is enclosed as <b>Annexure 2</b> .
(vii)	All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster management Plan shall be strictly complied with.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>All conditions stipulated in the EC and CRZ clearances are being complied with. A separate six-monthly compliance report is being submitted to MoEF&amp;CC and other authorities.</li> <li>All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied.</li> <li>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 21.09.2023. Last revision in the DMP was done on 01.07.2023.</li> </ul>
(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.	<b>Being Complied</b> 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.	<b>Being Complied</b> 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. <b>Dust control measures details: -</b> <ul style="list-style-type: none"> <li>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"> <li>➤ Reduction of coal losses in open yard</li> <li>➤ Saves water for dust suppression</li> <li>➤ Improves the living conditions of local residents.</li> <li>➤ Improves the working conditions of the on-site staff</li> </ul> </li> </ul> 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 30.09.2023
		<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 together, and have been fitted in structural beams to control the wind carryover of the dust from the stock piles. 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"> <li>• 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.</li> <li>• APDPL has installed a truck tyre washing system within the port premises, which washes the tyre of trucks exiting the port area.</li> <li>• 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.</li> </ul>
(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><b>Noted for Compliance.</b> 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><b>Being Complied</b> 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><b>Road cleaning by sweeping machine:</b> APDPL, have 02 nos. of large capacity 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.</p> <p><b>Manual Road Cleaning:</b> In addition to the sweeping</p>

<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
		<p>machine APDPL has employed labour for continuous cleaning of roads both inside and outside the port area. It is done by three team consisting of 5 members each. All the coal dust collected is sent to the coal yard. Regular water sprinkling is carried out by two mobile water tankers.</p>
(xii)	<p>The mangrove plantation of 50 ha shall be undertaken in consultation with Gujarat Ecology Commission / State Forest Department.</p>	<p><b>Complied.</b> Mangrove afforestation has been carried out in an area of 400 ha Phase I &amp; 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"> <li>100 ha near village Dandi, Dist. Surat– 2011</li> <li>50 ha near village Jakhau, Dist. Kutch – 2011</li> <li>50 ha near Padri bit, Dist. Bhavnagar – 2011</li> <li>200 ha near Malpur, Ta. Jambusar – 2013-14 (Done as compliance to Phase –I &amp; II EC &amp;CRZ clearance)</li> <li>50 ha Devjagan/Nada Ta. Jambusar – 2017 – 18 (Done as compliance to Phase –III EC &amp;CRZ clearance)</li> </ol> <p>Reports of 400 Ha Mangrove afforestation (Developed in Phase I &amp; II Project) were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I &amp; 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.</p>
(xiii)	<p>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>	<p><b>Being Complied</b></p> <ul style="list-style-type: none"> <li>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.</li> <li>After mechanization of south berth, desired pollution control measures shall made as a part of material handling system.</li> </ul>
(xiv)	<p>Disposal sites for excavated</p>	<p><b>Being Complied</b></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 30.09.2023																															
	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	All the construction activities are as per the approval received under CRZ notification 2011 and EIA notification 2006. During Project (Phase III) implementation, it will be ensured that there shall not be any interference with the natural drainage of the area.																															
(xv)	The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.	<b>Complied.</b> Ground water is not tapped in CRZ area for the project. Water requirement is being met through GIDC water supply only.																															
(xvi)	Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.	<p><b>Complied.</b> Sewage generated from port is being treated in 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 April 23 to September 23)</th> <th>Type of STP</th> </tr> </thead> <tbody> <tr> <td>80KLD</td> <td>18.18 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 April 23 to September 23 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>6.74</td> <td>7.2</td> <td>6.5- 8.5</td> </tr> <tr> <td>TSS</td> <td>mg/L</td> <td>8.00</td> <td>24</td> <td>30</td> </tr> <tr> <td>BOD (3 Days @ 27 °C</td> <td>mg/L</td> <td>4.00</td> <td>10</td> <td>20</td> </tr> <tr> <td>Residual Free Chlorine</td> <td>mg/L</td> <td>0.62</td> <td>1.77</td> <td>0.5(Min)</td> </tr> </tbody> </table> <p>The cost for Environment Monitoring for FY 23-24 is <b>13.10 lacs.</b></p>	Capacity	Quantity of Wastewater (Avg. from April 23 to September 23)	Type of STP	80KLD	18.18 KLD	MBR	Parameters	Unit	Min	Max	Perm. Limit	PH	-	6.74	7.2	6.5- 8.5	TSS	mg/L	8.00	24	30	BOD (3 Days @ 27 °C	mg/L	4.00	10	20	Residual Free Chlorine	mg/L	0.62	1.77	0.5(Min)
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PH	-	6.74	7.2	6.5- 8.5																													
TSS	mg/L	8.00	24	30																													
BOD (3 Days @ 27 °C	mg/L	4.00	10	20																													
Residual Free Chlorine	mg/L	0.62	1.77	0.5(Min)																													
(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.	<b>Complied.</b> 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.																															
(xviii)	Marine ecology shall be	<b>Complied.</b>																															

<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
	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.	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 April 23 to September 23 are enclosed as <b>Annexure 3C and 3D.</b>
(xix)	The marine ecology management plan being drawn up with regards to the environmental impacts of natural disasters, oil spills and other wastes, dredging and dumping on marine ecology (all micro, macro and mega biotic components) shall be scrupulously implemented. It shall be ensured that the marine ecology in the area of influence is not adversely affected.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>No waste or dredged material is dumped so as to disturb the marine ecology</li> <li>Marine ecology is being monitored through NABL accredited &amp; MoEF&amp;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 April 23 to September 23 are enclosed as <b>Annexure 3C and 3D.</b></li> </ul>
(xx)	Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.	<b>Complied.</b> 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 April 23 to September 23 are enclosed as <b>Annexure 3C and 3D.</b>
(xxi)	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.	<b>Complied.</b> <ul style="list-style-type: none"> <li>Oil Spill Contingency plan is prepared and resubmitted Tier 1 OSR Facility Dahej port Terminals on dated 15.09.2022.</li> <li>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 &amp; Coast Guard, Gandhinagar vide letter dated 16/09/2020.</li> <li>Oil Spill Contingency plan is prepared and resubmitted to The chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi &amp; Coast Guard, Gandhinagar for verification vide letter dated 27.07.2018.</li> <li>Oil Spill Contingency Plan is submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012.</li> </ul>



<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
		<ul style="list-style-type: none"> <li>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 21.09.2023. Last revision in the DMP was done on 01.07.2023.</li> </ul>
(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.	<b>Being Complied</b> 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.	<b>Being Complied</b> 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.	<b>Complied.</b> <ul style="list-style-type: none"> <li>The D.G set are only used in case of power failure</li> <li>DG sets are installed as per the approval. Monitoring of DG set Stack emission &amp; noise is being carried out by M/s. Kadam Environment Consultant, a NABL accredited and MoEF&amp;CC recognised laboratory.</li> <li>Test reports of emission from DG sets are enclosed as <b>Annexure 3H</b>.</li> </ul>
(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.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>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.</li> <li>After mechanization of south berth, desired pollution control measures shall be made as a part of material handling system.</li> </ul>
(xxvi)	No product other than permitted under the CRZ Notification, 2011 shall be stored in the CRZ area.	<b>Complied.</b> APDPL is handling Multi cargo mainly coal, other bulk cargos & project cargo at designated storage areas as per approval & CRZ notification 2011.



<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
(xxvii)	The quality of treated effluents, solid wastes, emissions and noise levels and the like, from the project area must conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.	<b>Complied.</b> <ul style="list-style-type: none"> <li>Details regarding STP are given in point number- XVI (Refer above point). Monitoring Reports for the period of April 23 to September 23 is enclosed as <b>Annexure 3F.</b></li> </ul>
(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.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>All the recommendations and suggestions given by NIO; M/s Cholamandalam in the EIA are being complied.</li> <li>Copy of the status of EMP recommendations is enclosed as <b>Annexure 4.</b></li> </ul>
(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.	<b>Complied.</b> 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.
(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.	<b>Complied.</b> 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 April 23 to September 23 is attached as <b>Annexure – 5.</b>
(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.	<b>Complied.</b> 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 <b>Annexure – 6.</b>
(xxxii)	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	<b>Complied.</b> <ul style="list-style-type: none"> <li>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. 458.01 lacs out of which Rs. 201.57 lacs used till Sep.</li> </ul>

<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
		23. Details of the environmental budget and expenditure for the past 3 years is enclosed as <b>Annexure -7.</b>
(xxxiii)	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.	<b>Being Complied</b> 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 <b>Annexure - 4.</b>
(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.	<b>Complied</b> <ul style="list-style-type: none"> <li>• 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 &amp; ISO 27001:2013.</li> <li>• Complete set of operating manual is available at site.</li> <li>• Regular awareness sessions are organized for each level of employee as per the training need identification (TNI) done by HR department.</li> <li>• All the schedules and results of environmental monitoring are available at EHS department at project site.</li> </ul>
(xxxv)	Corporate Social Responsibility: <ol style="list-style-type: none"> <li>a. The Company shall have a well laid down Environment Policy approved by the Board of Directors.</li> <li>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.</li> <li>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.</li> <li>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</li> </ol>	<b>Being Complied</b> <ul style="list-style-type: none"> <li>• Company has an Environment Policy.</li> <li>• All the requirements mention in the condition are being met through Environment Management System (ISO 14001:2015).</li> <li>• 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 <b>Annexure - 6.</b></li> <li>• 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.</li> </ul>

<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>																							
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>																					
	company and/or shareholders or stakeholders at large.																						
<b>B. General Conditions.</b>																							
i	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	<b>Being Complied</b> 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 <b>Annexure 3B</b> .																					
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.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>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.</li> <li>Whenever any authorities such as MoEF&amp;CC, GPCB and GMB etc. visit the APDPL full support is extended and APDPL provides all additional information seek by them during the inspection.</li> <li>No officer of MoEF&amp;CC, regional office Bhopal and CPCB visited the site during the compliance period.</li> <li>Latest visit of Gujarat Pollution Control Board during the compliance period was on 31.07.2023.</li> </ul>																					
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.	<b>Noted and complied.</b> 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. <ul style="list-style-type: none"> <li>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&amp;CC (Parivesh portal) &amp; our website: www.adaniports.com Please refer below for the details regarding past 6 compliance submissions.</li> </ul> <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>Apr'20 to Sep'20</td> <td>25.11.2020</td> </tr> <tr> <td>2</td> <td>Oct' 20 to Mar' 21</td> <td>25.05.2021</td> </tr> <tr> <td>3</td> <td>April '21 to Sep. '21</td> <td>29.11.2021</td> </tr> <tr> <td>4</td> <td>Oct'21 to Mar'22</td> <td>27.05.2022</td> </tr> <tr> <td>5</td> <td>April '22 to Sep. '22</td> <td>01.12.2022</td> </tr> <tr> <td>6</td> <td>Oct '22 to Mar. '23</td> <td>18.05.2023</td> </tr> </tbody> </table>	S. No	Compliance Period	Date of Submission	1	Apr'20 to Sep'20	25.11.2020	2	Oct' 20 to Mar' 21	25.05.2021	3	April '21 to Sep. '21	29.11.2021	4	Oct'21 to Mar'22	27.05.2022	5	April '22 to Sep. '22	01.12.2022	6	Oct '22 to Mar. '23	18.05.2023
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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	<b>Noted and Agreed.</b>																					

<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
	of environment and the same shall be complied with	
v	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	<b>Noted &amp; Agreed.</b>
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.	<b>Complied</b> 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.	<b>Complied</b> <ul style="list-style-type: none"> <li>Consent to Establish was obtained from Gujarat Pollution Control Board vide no CTE amendment 71696 dated 08/09/2015 &amp; its amendment CTE 129384 dated 29.09.2023, valid up to 13.10.2026. Attached in <b>Annexure 1.</b></li> <li>Start of land development (23 Ha. reclamation) work 17.10.2017.</li> </ul>
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.	<b>Complied</b> 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	<b>Complied</b> 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.	<b>Noted &amp; Agreed</b>

<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
12	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	<b>Complied</b> <ul style="list-style-type: none"> <li>For storage of HSD approval has been taken from PESO vide letter no P/WC/GJ/14/3668(P221616) and valid up to 31.12.2025 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.</li> <li>EC Clearance from MOEF was obtained vide letter no. vide letter dated 14/10/2016 bearing F. No.: 11-37/2007-IA-III.</li> <li>Fire NOC: Not Applicable.</li> <li>Civil Aviation: Not Applicable.</li> <li>Permission under Wildlife (Protection) Act, 1972: Not Applicable.</li> </ul>
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 <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . 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.	<b>Complied</b> <ul style="list-style-type: none"> <li>Environment clearance letter is published in "Indian Express" and "Gujarat Guardian" newspapers on dated 25<sup>th</sup> October 2016 which is within 7 days of from the date of the receipt of clearance letter.</li> <li>Copy of advertisement has been submitted to Regional Office MOEF on 28<sup>th</sup> 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.</li> </ul>
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.	<b>Noted.</b>
15	Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	<b>Complied.</b> The status of environment clearance conditions is available on company website that i.e., <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a>
16	Any appeal against this Clearance shall lie with the	<b>Noted.</b>

<b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Compliance Status as on 30.09.2023</b>
	National 18 Tribunal, if preferred, within a period of 30 days as prescribed under Section 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.	<b>Complied</b> <ul style="list-style-type: none"> <li>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. <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a></li> </ul>
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.	<b>Complied</b> <p>Compliance report of EC conditions is uploaded regularly &amp; Same is being regularly submitted to concerned authorities.</p> <ul style="list-style-type: none"> <li>Compliance reports along with monitored data are available on company website i.e., <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a>.</li> </ul>
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.	<b>Complied</b> <ul style="list-style-type: none"> <li>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 <b>Annexure 10</b>. Copy of environment statement is also available on company website i.e., <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a>.</li> </ul>



**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	<b>Complied.</b> <ul style="list-style-type: none"> <li>All the construction activities are being carried out as per the provisions of CRZ notification 2011 and EIA notification 2006.</li> <li>No activity or work other than those permitted in Coastal Regulation Zone Notification has been carried out in Coastal Regulation Zone area.</li> </ul>
2	The APDPPL shall ensure that there shall not be any blockage of creek and free flow of water is maintained	<b>Complied.</b> <ul style="list-style-type: none"> <li>APDPL ensured no creeks are blocked due to project activity.</li> </ul>
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.	<b>Complied.</b> Re-routing of the pipeline of GACL has been completed and all expenditure has been borne by APDPL.
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.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>APDPL is handling Multi cargo mainly coal and other bulk cargos at designated storage areas as per approval &amp; CRZ notification 2011.</li> <li>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 21.09.2023. Last revision in the DMP was done on 01.07.2023.</li> </ul>
5	All necessary permission from different Government Departments / agencies shall be obtained by M/s APDPPL before commencing the activities.	<b>Complied</b>
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.	<b>Complied</b> 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.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>All the recommendations and suggestions given by NIO; M/s Cholamandalam in the EIA are being complied.</li> <li>Copy of the status of EMP recommendations is enclosed as <b>Annexure 4.</b></li> </ul>
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.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>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.</li> <li>Gujarat Maritime Board is regularly monitoring the project progress.</li> </ul>
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	<b>Complied</b> <ul style="list-style-type: none"> <li>No debris or other construction waste is being</li> </ul>

<b>Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Status/Action taken</b>
	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"> <li>Reclamation of the area is being done as per the approval received.</li> </ul>
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.	<b>Complied</b> 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"> <li>Oil Spill Contingency plan is prepared and resubmitted Tier 1OSR Facility Dahej port Terminals on dated 15.09.2022.</li> <li>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 &amp; Coast Guard, Gandhinagar vide letter dated 16/09/2020</li> <li>Oil Spill Contingency plan is prepared and resubmitted to The chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi &amp; Coast Guard, Gandhinagar for verification vide letter dated 27.07.2018.</li> <li>Oil Spill Contingency Plan is submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012.</li> <li>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 21.09.2023. Last revision in the DMP was done on 01.07.2022.</li> </ul>
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.	<b>Noted and shall be complied.</b>
13	The jetty and most of the approach would be supported on piles allowing adequate flow of water without significant obstruction	<b>Complied.</b> 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.	<b>Complied.</b> Ground water is not tapped in CRZ area for the project. Water requirement has been met through GIDC water supply.



<b>Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Status/Action taken</b>
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.	<b>Complying with.</b> 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 <b>Annexure - 8</b> .
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.	<b>Complied.</b> 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 bit, 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.	<b>Complied</b> Completion Report is received from M/s. Saline Area Vitalization Enterprise Limited (SAVE). Report is attached as <b>Annexure - 9</b> .
18	M/s APDPPL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in	<b>Complied.</b> The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care

<b>Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase - III</b>		
<b>Sr. no.</b>	<b>Conditions</b>	<b>Status/Action taken</b>
	consultation with the Forests and Environment Department and the District Collector / District Development Officer.	of Social-economic establishment activities and details of the same for the period of April 2023 to September 2023 is attached as <b>Annexure - 5.</b>
19	A separate budget shall be earmarked for environmental management and socio-economic activities including the green belt /mangrove plantation and details thereof shall be furnished to this department as well as the MoEF&CC, GOI. The details with respect to the expenditure from this budget head shall also be furnished alongwith the compliance report.	<b>Complied.</b> 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. 458.01 lacs. Details of the environmental budget and expenditures for the past 3 years is enclosed as <b>Annexure -7.</b>
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	<b>Complied.</b> 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 <b>Annexure - 6.</b>
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.	<b>Being Complied</b> 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 April 2023 to September 2023 as attached as <b>Annexure 3A &amp; 3G.</b>  The noise level confirm to the standard laid down by Gujarat Pollution Control Board. The noise monitoring results during compliance period form April 2023 to September 2023 as attached as <b>Annexure 3G.</b>  Piezometer's analysis results during compliance period from April 2023 to September 2023 as attached as <b>Annexure 3B.</b>  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	<b>Complying with.</b>

<b>Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase - III</b>																							
<b>Sr. no.</b>	<b>Conditions</b>	<b>Status/Action taken</b>																					
	<p>conditions mentioned in this letter shall have to be furnished by M/s APDPPL on a regular basis to this Department as well as to the Ministry of Environment, Forest and Climate Change, Government of India.</p>	<ul style="list-style-type: none"> <li>APDPL is regularly submitting six monthly compliance reports, which comprises of compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports, status of EMP etc.</li> <li>Last compliance report was submitted vide letter no. APDPL-EHS/MOEF RO/EC Comp (II)/2023/01 dated 18.05.2023 in soft copy via mail dated 18.05.2023. Please refer below for the details regarding past 6 compliance submissions.</li> </ul> <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>Apr'20 to Sep'20</td> <td>25.11.2020</td> </tr> <tr> <td>2</td> <td>Oct' 20 to Mar' 21</td> <td>25.05.2021</td> </tr> <tr> <td>3</td> <td>April '21 to Sep. '21</td> <td>29.11.2021</td> </tr> <tr> <td>4</td> <td>Oct'21 to Mar'22</td> <td>27.05.2022</td> </tr> <tr> <td>5</td> <td>April '22 to Sep. '22</td> <td>01.12.2022</td> </tr> <tr> <td>6</td> <td>Oct '22 to Mar '23</td> <td>18.05.2023</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>Compliance reports along with monitored data are available on company website i.e. <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a></li> <li>Same is being regularly submitted to concerned authorities.</li> </ul>	S. No	Compliance Period	Date of Submission	1	Apr'20 to Sep'20	25.11.2020	2	Oct' 20 to Mar' 21	25.05.2021	3	April '21 to Sep. '21	29.11.2021	4	Oct'21 to Mar'22	27.05.2022	5	April '22 to Sep. '22	01.12.2022	6	Oct '22 to Mar '23	18.05.2023
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23	<p>Any other condition that may be stipulated by this Department / Ministry of Environment, Forest and Climate Change, Government of India from time to time for environmental protection / management purpose shall also have to be complied with by M/s APDPPL.</p>	<p><b>Noted and agreed to comply with.</b></p>																					



## Provisional Consent Order (CTE)

Gujarat Pollution Control Board  
Paryavaran Bhavan, Sector-10/A,  
Gandhinagar - 382010  
Tele : 23222756

Consent No. CTE-129384 Valid upto: 13/10/2026

Application : CtE:CTE-Ammendment, No. 279861 Dt. 03/06/2023, Granted On: 29/09/2023

PCB Id:31664

To,  
**M/s. Adani Petronet (Dahej) Port Ltd (APDPL),**  
-, Dahej,Di:Bharuch,  
City : lakhigam,  
Dist : Bharuch, Tal : Vagra, SIDC : Not In Gidc  
Phone : 02641285081

**SUB:** Consent to Establish (NOC) under Section 25 of  
**REF:** Your Application No.(CtE:CTE-Ammendment) 279861 and Dated 03/06/2023

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air 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 Consent to Establish for setting up of an industrial plant/activities at Dahej,Di:Bharuch , lakhigam, Vagra , Bharuch , Phone No. 02641285081 for the manufacturing of the items/products as mentioned in the detailed order \*\*\*.

The Validity period of the order will be Five Years from the date of issue of CTE (NOC) order.

1. CTE Order No: **CTE-129384** Valid Upto: **13/10/2026**

2. All Conditions under the shall be Applicable to you as mentioned in the detailed Consent Order \*\*\*

**Approved CETP:** **Not Linked to any CETP**

**Approved TSDF:** **Bharuch Enviro Infrastructure Ltd is -Dahej[40137]**

### 3. GENERAL CONDITIONS :-

- This order is provisional order and detailed order is considered as final.
- All the conditions and provisions under the Water Act 1974, the Air Act 1981 and the Environment (Protection) Act – 1986 and the rules made there under shall be complied with\*.
- All the conditions and provisions under the Hazardous Waste (Management, Handling and Trans boundary Movement) Rules 2008 as amended shall be complied with\*.
- The concentration of Noise in ambient air within the premises of industrial unit shall not exceed following levels:  
Between 6 A.M. and 10 P.M.: 75 dB (A)  
Between 10 P.M. and 6 A.M.: 70 dB (A)
- In case of change of ownership/management the name and address of the new owners / partners/ directors/ proprietor or equipment or working conditions as mentioned in the consents form/ order should immediately be intimated to the Board.
- Industry shall have to display data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including waste water and air emissions and solid hazardous wastes generated within the factory premises.
- Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is atleast 1000 trees per acre of land and a green belt of 5 meters width is developed.
- The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
- The applicant shall obtain membership of common infrastructure for disposal of effluent / Hazardous waste.
- The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.
- If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property, in that case they are obliged to pay the compensation as determined by the competent authority.

**\*\*\* Note : ACT-Specific, Industry-specific, Area-specific Conditions alongwith Product, Waste water effluent details shall be precisely mentioned in the DETAILED Consent Order**

**\*\*\* Note : This is only provisional communication. The final Consent/Authorization in hard copy with duly signed by competent authority shall the final and valid Consent/Authorization.**

For and on behalf of  
Gujarat Pollution Control Board

**D. M. Thaker.**

( Member Secretary )

**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 30.09.2023
1.	Shri Manaharbhai Gohil, President Jilla Panchayat Village: Lakhigam, Taluka: Vagra, District: Bharuch	<ul style="list-style-type: none"> <li>• Participating the public hearing he said that, he has studied the EIA report which is misleading.</li> <li>• 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.</li> <li>• All the improvements made by the unit are only during last three months.</li> <li>• 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"> <li>1. Company has not taken permission from village panchayat for installation of conveyor belt passing thorough the road.</li> <li>2. Transportation of coal through trucks should be stopped.</li> <li>3. Precautions should be taken to</li> </ol> </li> </ul>		After completing his representation, he immediately left the venue.	Reply sent on 18 <sup>th</sup> March 2015 as he immediately left the venue. No further action is required. Copy already submitted to MoEF as a part of EIA Annexure -16.

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<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"> <li>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.</li> </ul>			
2.	Shri Pushkarsinh Rana, Village Dahej	<ul style="list-style-type: none"> <li>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</li> <li>He asked that how many pages are used in EIA report and in comparison how many pages are used in Executive summary.</li> </ul>	<ul style="list-style-type: none"> <li>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.</li> <li>Representative of Project Proponent replied that EIA report is in three parts. EIA report included 268 pages, Annexures include 378 pages and appendix includes 264 pages making total report of 858 pages. Executive summary includes 25 pages.</li> </ul>	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>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<ul style="list-style-type: none"> <li>• 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?</li> <li>• 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?</li> <li>• What is meaning of MOEF?</li> </ul>	<ul style="list-style-type: none"> <li>• Executive Summary is prepared as per the guidelines under EIA Notification. The more pages are due to various annexures.</li> <li>• 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.</li> <li>• 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.</li> <li>• The Project Proponent replied that MOEF stands for Ministry of</li> </ul>	<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>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<ul style="list-style-type: none"> <li>• 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</li> <li>• 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</li> <li>• 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.</li> <li>• Executive Summary includes widening of the Road and he asked which roads are to be widened.</li> </ul>	<p style="text-align: center;">Forest and Environment, Government of India</p> <ul style="list-style-type: none"> <li>• The project proponent replied that there is no habitation in the inter tidal land, proposed for reclamation</li> <li>• The project proponent replied that verification will be done for Hindalco and Birla Copper and necessary changes will be made if, any.</li> <li>• 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</li> <li>• The project proponent replied that proposal includes widening of the existing rubble bund which is inside the port.</li> </ul>	<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>



Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<ul style="list-style-type: none"> <li>• 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?</li> <li>• 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</li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> </ul>	<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>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<p>same is also informed to GIDC and GPCB but complaints have remained on papers only.</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• Will there be any increase of capacity of railway loading silo and related infrastructure?</li> <li>• No employment is given to land looser of railway yard. Company should give</li> <li>• Assurance for employment to land losers.</li> <li>• The responsible officers of GIDC</li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• Shri. Amish Trivedi, Representative of the project proponent replied that GIDC has allotted land on ROU basis and land for S&amp;S yard given on lease basis. The Land acquisition is done as per agreement between land owner and GIDC.</li> <li>• Company representative Mr. P. N. Roy chowdhury replied that there is no employment policy for land looser of ROU land.</li> <li>• Only GIDC can answer on this</li> </ul>		<p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>No further</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<p>should also be required to remain present during Public Hearing.</p> <ul style="list-style-type: none"> <li>• I am unable to understand data shown in 3.1 w.r.t. ambient air quality therefore, I request to explain.</li> <li>• 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.</li> </ul>	<p>issue.</p> <ul style="list-style-type: none"> <li>• The project proponent replied that in India, norms of ambient air quality are already decided and parameters like PM10, PM2.5, SO<sub>2</sub>NO<sub>x</sub> 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.</li> <li>• 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</li> </ul>		<p>action required.</p> <p>No further action required.</p> <p>No further action required.</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<ul style="list-style-type: none"> <li>• As per Executive summary it is mentioned that tyre washing of vehicles is done but same is not being carried out.</li> <li>• 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.</li> <li>• I wish good luck to company with hope to do better work for environment.</li> </ul>	<p>MT and in 2011-12 It was 12914 MT.</p> <ul style="list-style-type: none"> <li>• 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 1<sup>st</sup> June, 2015.</li> <li>• Project proponent replied that we welcome your suggestions. Necessary survey will be done and appropriate steps will be taken.</li> <li>• Project proponent conveyed thanks for his encouraging words.</li> </ul>		<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>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
3.	Shri Jayatibhai Ahir Village - Luvara	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>The project proponent has expressed thanks for appreciation.</li> </ul>		No further action required.
4.	Dahyabhai Ghanabhai Patel Village – Jageshwar	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>The project proponent replied that they have already replied earlier to similar question.</li> </ul>	Written representation made by Shri Dahya bhai is accepted.	No further action required.
5.	Mayurdhvajsinh Village - Dahej	<ul style="list-style-type: none"> <li>Officers of Adani Company are fooling villagers.</li> </ul>			

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
6.	Shri Nareshbhai Village - Lakhigam	<ul style="list-style-type: none"> <li>• 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?</li> <li>• As shown in the report, monitoring is done at which locations in the village.</li> <li>• Pollution reaches to our houses and dust can be seen on the utensils for drinking water. Adani has manipulated with official record.</li> <li>• 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</li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• This is false allegation and not acceptable to us.</li> <li>• 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.</li> </ul>		<p>No further action required.</p> <p>At present no action is pending</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<p>employment to us on their own.</p> <ul style="list-style-type: none"> <li>Company should think about high pollution levels.</li> </ul>	<ul style="list-style-type: none"> <li>The project proponent replied that they have already replied earlier to similar question.</li> </ul>		No further action required.
7	Shri Kalidas Rayjibhai Patel Sarpanch, Village - Jageshwar	<ul style="list-style-type: none"> <li>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.</li> <li>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</li> <li>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</li> </ul>	<ul style="list-style-type: none"> <li>The project proponent has expressed thanks for appreciation.</li> <li>The project proponent has expressed thanks for appreciation.</li> <li>The project proponent has expressed thanks for appreciation.</li> </ul>		<p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<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"> <li>• At which locations EIA reports should be made available</li> <li>• EIA report is published on GPCB website is in English. Why it is not published in Gujarati. It should be also given in villages.</li> <li>• 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.</li> <li>• How much pollution will increase if, handling capacity increase from 11.7 MMTPA to 23 MMTPA.</li> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> <li>• The project proponent replied that they have already replied earlier to similar question.</li> <li>• The project proponent replied that they have already replied earlier to similar question.</li> <li>• 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</li> </ul>	<p>Regional officer of GPCB replied that EIA report is made available at following offices</p> <ol style="list-style-type: none"> <li>1. District collector office, Bharuch</li> <li>2. District Development office, Bharuch</li> <li>3. District Industries Centre, Bharuch</li> <li>4. Taluka Development office, Tal. Vagra Dist. Bharuch</li> <li>5. Chief Conservator of Forest, Bhopal</li> <li>6. Regional officer, GPCB, Bharuch</li> </ol>	<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>



Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<ul style="list-style-type: none"> <li>• 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?</li> <li>• It is requested to announce that problem of coal dust in Lakhabava temple should be controlled</li> <li>• 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</li> </ul>	<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"> <li>• 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.</li> <li>• 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.</li> <li>• The project proponent replied that we have collected these data from fisheries department.</li> </ul>		<p>No further action required.</p> <p>All the suggested measures are already taken and frequent cleaning will be done as and when needed. No further action required.</p>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		regarding visit of GPCB.			
9	Shri Ramanbhai Patel, Village: Luvara	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>The project proponent replied that they have already replied earlier to similar question.</li> </ul>	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"> <li>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.</li> </ul>		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"> <li>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.</li> </ul>		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.

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
				actions will be taken from Dist. Collectrate Office.	
12	Shri Sanjaybhai Gohil Village: Lakhigam	<ul style="list-style-type: none"> <li>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</li> </ul>			No action required from company.
13	Shri Yogeshbhai Patel Village: Lakhigam	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>Standards are defined for Noise pollution and measurements are also within the limits, GPCB may also do necessary inquiry.</li> </ul>	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"> <li>Adani foundation has provided support for raising the level of our houses and also constructed anganwadi</li> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>The project proponent has expressed thanks for appreciation.</li> <li>There will not be any impact on fish due to this proposed expansion</li> </ul>		No further action required  No further action required

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
15	Shri Kishorbhai Rana Village: Dahej	<ul style="list-style-type: none"> <li>• 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.</li> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• 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.</li> </ul>		<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"> <li>• 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</li> </ul>			

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<p>thereafter public hearing should be organized</p> <ul style="list-style-type: none"> <li>• Company is carrying out the transportation of coal by over loading of the rail rack. There are no established rules and regulations for this.</li> <li>• 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.</li> <li>• 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.</li> <li>• 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.</li> <li>• As per our suggestions, problems of ambient air quality have been</li> </ul>	<ul style="list-style-type: none"> <li>• The project proponent replied that issue is pertaining to Railway authority and the importer client.</li> <li>• You may make representation before railway authority.</li> </ul>		No further action required

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<p>reduced in one of the company in Ankleshwar.</p> <ul style="list-style-type: none"> <li>• We are with the project but being Gujarati businessman you should take care of Gujarat</li> <li>• 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</li> <li>• 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</li> <li>• Since, the time of IPCL request for the development of Hospital is made but till date it is on the paper</li> <li>• No additional quantity of drinking water is given to village people by GIDC but at the same time industries are provided more water</li> <li>• 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</li> </ul>	<ul style="list-style-type: none"> <li>• The project proponent requested the representative to mention the village to which he belongs.</li> </ul>	<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>

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		clearance in this regard			
17	Shri Dimpalben Varmora Moverix Culture and Codes foundation Village: Luvara, Dahej, Lakhigam	<ul style="list-style-type: none"> <li>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.</li> </ul>	<ul style="list-style-type: none"> <li>The project proponent expressed thanks for her appreciation</li> </ul>		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"> <li>Who has prepared the EIA report and who has certified it</li> </ul>	<ul style="list-style-type: none"> <li>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</li> </ul>		No further action required

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2023
		<ul style="list-style-type: none"> <li>• No physical survey is carried out and during visit permission from Sarpanch should be taken</li> <li>• How the mistake like mentioning the name of companies Hindalco and Birla Copper? I am not aware about their visit for physical survey</li> <li>• 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.</li> </ul>	<ul style="list-style-type: none"> <li>• There is adequate information covered in the report and survey is done as per the required procedure.</li> <li>• The project proponent replied that they have already replied earlier to similar question.</li> <li>• The project proponent replied that they have already replied earlier to similar question.</li> </ul>	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"> <li>• We are thankful to Adani Company for providing us the training on beauty parlour.</li> </ul>	<ul style="list-style-type: none"> <li>• The project proponent expressed thanks for appreciation</li> </ul>		No further action required



## ENVIRONMENTAL MONITORING REPORT



Environment Monitoring Report for the period from April-2023 to September-2023

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 <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	Pb	As	O <sub>3</sub>	Ni	C <sub>6</sub> H <sub>6</sub>	CO	BaP
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	ng/m <sup>3</sup>
1	03.04.2023	66	32	12.26	13.12	<10	<1	<5	<1	<1	<3	0.412	<0.5
2	06.04.2023	65	33	13.25	14.52	<10	<1	<5	<1	<1	<3	0.641	<0.5
3	10.04.2023	60	26	13.22	14.56	<10	<1	<5	<1	<1	<3	0.390	<0.5
4	13.04.2023	61	30	13.26	14.42	<10	<1	<5	<1	<1	<3	0.551	<0.5
5	17.04.2023	66	30	11.52	12.58	<10	<1	<5	<1	<1	<3	0.686	<0.5
6	21.04.2023	63	32	13.05	14.05	<10	<1	<5	<1	<1	<3	0.584	<0.5
7	24.04.2023	60	33	11.89	12.34	<10	<1	<5	<1	<1	<3	0.448	<0.5
8	27.04.2023	64	27	12.36	12.24	<10	<1	<5	<1	<1	<3	0.671	<0.5
9	01.05.2023	58	21	15.23	20.08	<10	<1	<5	<1	<1	<3	0.687	<0.5
10	04.05.2023	62	31	16.62	22.14	<10	<1	<5	<1	<1	<3	0.499	<0.5
11	08.05.2023	69	35	15.82	23.05	<10	<1	<5	<1	<1	<3	0.745	<0.5
12	11.05.2023	65	28	16.02	24.07	<10	<1	<5	<1	<1	<3	0.725	<0.5
13	15.05.2023	63	34	16.94	22.40	<10	<1	<5	<1	<1	<3	0.506	<0.5
14	18.05.2023	60	30	17.35	22.05	<10	<1	<5	<1	<1	<3	0.572	<0.5
15	22.05.2023	68	31	17.23	23.19	<10	<1	<5	<1	<1	<3	0.475	<0.5
16	25.05.2023	63	30	17.55	22.51	<10	<1	<5	<1	<1	<3	0.544	<0.5
17	29.05.2023	63	31	16.82	21.74	<10	<1	<5	<1	<1	<3	0.678	<0.5
18	01.06.2023	54	25	11.15	16.45	<10	<1	<5	<1	<1	<3	0.671	<0.5
19	05.06.2023	65	32	12.86	17.65	<10	<1	<5	<1	<1	<3	0.603	<0.5
20	08.06.2023	62	34	12.83	16.20	<10	<1	<5	<1	<1	<3	0.612	<0.5
21	12.06.2023	60	36	12.96	17.61	<10	<1	<5	<1	<1	<3	0.458	<0.5
22	15.06.2023	57	32	11.57	20.45	<10	<1	<5	<1	<1	<3	0.561	<0.5
23	19.06.2023	62	33	12.81	16.01	<10	<1	<5	<1	<1	<3	0.644	<0.5
24	22.06.2023	59	31	11.50	15.21	<10	<1	<5	<1	<1	<3	0.568	<0.5
25	26.06.2023	58	33	12.28	14.96	<10	<1	<5	<1	<1	<3	0.514	<0.5
26	29.06.2023	67	35	12.47	20.03	<10	<1	<5	<1	<1	<3	0.812	<0.5
27	03.07.2023	66	34	13.88	19.42	<10	<1	<5	<1	<1	<3	0.613	<0.5
28	06.07.2023	68	28	13.54	16.02	<10	<1	<5	<1	<1	<3	0.495	<0.5
29	10.07.2023	62	26	12.32	17.94	<10	<1	<5	<1	<1	<3	0.701	<0.5
30	13.07.2023	69	32	13.15	19.32	<10	<1	<5	<1	<1	<3	0.554	<0.5
31	17.07.2023	63	29	13.39	19.45	<10	<1	<5	<1	<1	<3	0.713	<0.5
32	20.07.2023	64	36	12.93	19.22	<10	<1	<5	<1	<1	<3	0.389	<0.5
33	24.07.2023	66	29	12.74	19.95	<10	<1	<5	<1	<1	<3	0.493	<0.5
34	27.07.2023	62	33	13.83	17.65	<10	<1	<5	<1	<1	<3	0.583	<0.5
35	31.07.2023	58	30	11.91	19.47	<10	<1	<5	<1	<1	<3	0.586	<0.5
36	03.08.2023	69	40	13.18	19.42	<10	<1	<5	<1	<1	<3	0.689	<0.5
37	07.08.2023	71	39	13.68	16.15	<10	<1	<5	<1	<1	<3	0.643	<0.5
38	10.08.2023	61	50	12.14	17.42	<10	<1	<5	<1	<1	<3	0.608	<0.5
39	14.08.2023	64	50	13.14	19.28	<10	<1	<5	<1	<1	<3	0.586	<0.5
40	17.08.2023	68	41	13.45	19.45	<10	<1	<5	<1	<1	<3	0.589	<0.5
41	21.08.2023	62	49	12.93	19.22	<10	<1	<5	<1	<1	<3	0.591	<0.5
42	24.08.2023	69	50	12.74	19.95	<10	<1	<5	<1	<1	<3	0.706	<0.5
43	28.08.2023	68	45	13.09	17.65	<10	<1	<5	<1	<1	<3	0.601	<0.5
44	31.08.2023	75	49	11.91	19.47	<10	<1	<5	<1	<1	<3	0.598	<0.5
45	04.09.2023	70	41	11.28	18.60	<10	<1	<5	<1	<1	<3	0.613	<0.5
46	07.09.2023	78	40	13.12	14.47	<10	<1	<5	<1	<1	<3	0.668	<0.5
47	11.09.2023	84	50	13.86	14.11	<10	<1	<5	<1	<1	<3	0.591	<0.5
48	14.09.2023	80	44	13.22	14.17	<10	<1	<5	<1	<1	<3	0.550	<0.5
49	18.09.2023	68	40	11.28	12.08	<10	<1	<5	<1	<1	<3	0.499	<0.5
50	21.09.2023	89	49	12.31	14.34	<10	<1	<5	<1	<1	<3	0.630	<0.5
51	25.09.2023	90	47	11.30	12.29	<10	<1	<5	<1	<1	<3	0.573	<0.5
52	28.09.2023	82	44	11.74	12.71	<10	<1	<5	<1	<1	<3	0.543	<0.5

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification No.B-20016/20/90/PCI-I Dt: 18/11/2005 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/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 3 ng/m<sup>3</sup>

Authorized Signatory



## ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from April-2023 to September-2023

### 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 <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	Pb	As	O <sub>3</sub>	NI	C <sub>6</sub> H <sub>6</sub>	CO	BaP
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	ng/m <sup>3</sup>
1	03.04.2023	60	28	12.52	13.26	<10	<1	<5	<1	<1	<3	0.395	<0.5
2	06.04.2023	62	30	12.65	13.82	<10	<1	<5	<1	<1	<3	0.508	<0.5
3	10.04.2023	68	30	12.35	14.25	<10	<1	<5	<1	<1	<3	0.461	<0.5
4	13.04.2023	65	32	12.67	13.38	<10	<1	<5	<1	<1	<3	0.593	<0.5
5	17.04.2023	65	36	12.55	13.26	<10	<1	<5	<1	<1	<3	0.516	<0.5
6	21.04.2023	60	28	12.25	14.90	<10	<1	<5	<1	<1	<3	0.613	<0.5
7	24.04.2023	63	32	12.44	14.29	<10	<1	<5	<1	<1	<3	0.378	<0.5
8	27.04.2023	69	32	12.75	14.04	<10	<1	<5	<1	<1	<3	0.546	<0.5
9	01.05.2023	66	30	16.28	21.26	<10	<1	<5	<1	<1	<3	0.450	<0.5
10	04.05.2023	68	32	15.88	21.77	<10	<1	<5	<1	<1	<3	0.701	<0.5
11	08.05.2023	61	31	17.62	22.64	<10	<1	<5	<1	<1	<3	0.644	<0.5
12	11.05.2023	60	30	15.69	21.56	<10	<1	<5	<1	<1	<3	0.774	<0.5
13	15.05.2023	68	30	17.38	20.71	<10	<1	<5	<1	<1	<3	0.683	<0.5
14	18.05.2023	64	31	16.08	21.85	<10	<1	<5	<1	<1	<3	0.619	<0.5
15	22.05.2023	62	24	16.25	20.27	<10	<1	<5	<1	<1	<3	0.664	<0.5
16	25.05.2023	65	32	16.88	23.16	<10	<1	<5	<1	<1	<3	0.682	<0.5
17	29.05.2023	67	28	17.44	23.34	<10	<1	<5	<1	<1	<3	0.648	<0.5
18	01.06.2023	61	32	12.82	18.03	<10	<1	<5	<1	<1	<3	0.589	<0.5
19	05.06.2023	63	35	11.24	20.03	<10	<1	<5	<1	<1	<3	0.531	<0.5
20	08.06.2023	58	26	12.31	20.11	<10	<1	<5	<1	<1	<3	0.601	<0.5
21	12.06.2023	62	29	12.53	19.50	<10	<1	<5	<1	<1	<3	0.594	<0.5
22	15.06.2023	62	34	11.81	16.80	<10	<1	<5	<1	<1	<3	0.606	<0.5
23	19.06.2023	60	27	11.76	18.95	<10	<1	<5	<1	<1	<3	0.558	<0.5
24	22.06.2023	66	27	13.89	18.64	<10	<1	<5	<1	<1	<3	0.484	<0.5
25	26.06.2023	61	29	11.17	18.77	<10	<1	<5	<1	<1	<3	0.634	<0.5
26	29.06.2023	63	30	11.26	17.17	<10	<1	<5	<1	<1	<3	0.700	<0.5
27	03.07.2023	69	29	11.81	19.63	<10	<1	<5	<1	<1	<3	0.586	<0.5
28	06.07.2023	67	31	11.75	19.85	<10	<1	<5	<1	<1	<3	0.514	<0.5
29	10.07.2023	68	25	12.45	25.82	<10	<1	<5	<1	<1	<3	0.678	<0.5
30	13.07.2023	64	29	13.02	20.11	<10	<1	<5	<1	<1	<3	0.481	<0.5
31	17.07.2023	68	32	12.20	19.08	<10	<1	<5	<1	<1	<3	0.495	<0.5
32	20.07.2023	67	32	12.81	16.61	<10	<1	<5	<1	<1	<3	0.511	<0.5
33	24.07.2023	61	34	12.05	20.05	<10	<1	<5	<1	<1	<3	0.404	<0.5
34	27.07.2023	66	37	12.75	20.03	<10	<1	<5	<1	<1	<3	0.614	<0.5
35	31.07.2023	60	34	12.46	20.11	<10	<1	<5	<1	<1	<3	0.502	<0.5
36	03.08.2023	73	42	11.71	15.63	<10	<1	<5	<1	<1	<3	0.538	<0.5
37	07.08.2023	80	48	11.85	19.55	<10	<1	<5	<1	<1	<3	0.617	<0.5
38	10.08.2023	85	49	12.33	15.72	<10	<1	<5	<1	<1	<3	0.649	<0.5
39	14.08.2023	75	43	13.09	20.25	<10	<1	<5	<1	<1	<3	0.534	<0.5
40	17.08.2023	68	46	12.20	19.08	<10	<1	<5	<1	<1	<3	0.534	<0.5
41	21.08.2023	88	50	12.81	16.61	<10	<1	<5	<1	<1	<3	0.498	<0.5
42	24.08.2023	70	49	12.05	20.05	<10	<1	<5	<1	<1	<3	0.688	<0.5
43	28.08.2023	79	47	13.78	20.03	<10	<1	<5	<1	<1	<3	0.648	<0.5
44	31.08.2023	70	41	12.49	20.31	<10	<1	<5	<1	<1	<3	0.614	<0.5
45	04.09.2023	72	45	11.30	14.36	<10	<1	<5	<1	<1	<3	0.583	<0.5
46	07.09.2023	85	44	11.36	12.58	<10	<1	<5	<1	<1	<3	0.601	<0.5
47	11.09.2023	80	42	12.25	14.27	<10	<1	<5	<1	<1	<3	0.480	<0.5
48	14.09.2023	70	41	12.65	14.77	<10	<1	<5	<1	<1	<3	0.713	<0.5
49	18.09.2023	74	40	12.09	12.54	<10	<1	<5	<1	<1	<3	0.583	<0.5
50	21.09.2023	81	50	12.62	14.69	<10	<1	<5	<1	<1	<3	0.534	<0.5
51	25.09.2023	72	44	12.17	14.65	<10	<1	<5	<1	<1	<3	0.58	<0.5
52	28.09.2023	68	48	12.24	14.36	<10	<1	<5	<1	<1	<3	0.556	<0.5

Observations: Above given Result are within the norms Specified Limit as per CPCB Notification No: 29015/20/90/PT-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/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>

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## ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from April-2023 to September-2023

### 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 <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	Pb	As	O <sub>3</sub>	Ni	C <sub>6</sub> H <sub>6</sub>	CO	BaP
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	ng/m <sup>3</sup>
1	03.04.2023	65	30	12.62	13.23	<10	<1	<5	<1	<1	<3	0.502	<0.5
2	06.04.2023	70	36	11.20	13.55	<10	<1	<5	<1	<1	<3	0.534	<0.5
3	10.04.2023	65	34	11.80	13.66	<10	<1	<5	<1	<1	<3	0.521	<0.5
4	13.04.2023	62	40	12.45	13.47	<10	<1	<5	<1	<1	<3	0.481	<0.5
5	17.04.2023	61	33	12.84	13.82	<10	<1	<5	<1	<1	<3	0.453	<0.5
6	21.04.2023	63	34	12.55	13.22	<10	<1	<5	<1	<1	<3	0.591	<0.5
7	24.04.2023	54	29	12.65	13.07	<10	<1	<5	<1	<1	<3	0.626	<0.5
8	27.04.2023	55	28	12.60	13.60	<10	<1	<5	<1	<1	<3	0.569	<0.5
9	01.05.2023	64	37	15.59	20.56	<10	<1	<5	<1	<1	<3	0.872	<0.5
10	04.05.2023	67	36	16.24	23.65	<10	<1	<5	<1	<1	<3	0.611	<0.5
11	08.05.2023	65	28	17.16	22.08	<10	<1	<5	<1	<1	<3	0.548	<0.5
12	11.05.2023	62	35	16.55	20.80	<10	<1	<5	<1	<1	<3	0.489	<0.5
13	15.05.2023	69	35	17.56	21.85	<10	<1	<5	<1	<1	<3	0.741	<0.5
14	18.05.2023	69	35	16.66	24.63	<10	<1	<5	<1	<1	<3	0.621	<0.5
15	22.05.2023	71	38	16.66	20.48	<10	<1	<5	<1	<1	<3	0.538	<0.5
16	25.05.2023	61	34	17.05	21.84	<10	<1	<5	<1	<1	<3	0.582	<0.5
17	29.05.2023	61	34	16.22	21.62	<10	<1	<5	<1	<1	<3	0.569	<0.5
18	01.06.2023	59	34	12.95	14.91	<10	<1	<5	<1	<1	<3	0.489	<0.5
19	05.06.2023	61	31	11.91	16.51	<10	<1	<5	<1	<1	<3	0.584	<0.5
20	08.06.2023	62	29	12.05	17.54	<10	<1	<5	<1	<1	<3	0.703	<0.5
21	12.06.2023	59	37	12.14	14.98	<10	<1	<5	<1	<1	<3	0.383	<0.5
22	15.06.2023	64	29	12.66	14.71	<10	<1	<5	<1	<1	<3	0.810	<0.5
23	19.06.2023	66	34	11.09	19.36	<10	<1	<5	<1	<1	<3	0.517	<0.5
24	22.06.2023	63	29	13.05	17.22	<10	<1	<5	<1	<1	<3	0.589	<0.5
25	26.06.2023	67	35	12.35	16.32	<10	<1	<5	<1	<1	<3	0.548	<0.5
26	29.06.2023	60	31	11.95	16.94	<10	<1	<5	<1	<1	<3	0.567	<0.5
27	03.07.2023	65	30	12.68	17.20	<10	<1	<5	<1	<1	<3	0.314	<0.5
28	06.07.2023	63	33	12.09	15.36	<10	<1	<5	<1	<1	<3	0.671	<0.5
29	10.07.2023	66	33	13.71	19.66	<10	<1	<5	<1	<1	<3	0.535	<0.5
30	13.07.2023	66	27	11.17	16.56	<10	<1	<5	<1	<1	<3	0.505	<0.5
31	17.07.2023	66	27	11.82	20.77	<10	<1	<5	<1	<1	<3	0.481	<0.5
32	20.07.2023	69	29	12.47	18.57	<10	<1	<5	<1	<1	<3	0.618	<0.5
33	24.07.2023	65	32	13.32	16.74	<10	<1	<5	<1	<1	<3	0.398	<0.5
34	27.07.2023	67	31	11.16	18.44	<10	<1	<5	<1	<1	<3	0.571	<0.5
35	31.07.2023	66	36	13.01	17.35	<10	<1	<5	<1	<1	<3	0.499	<0.5
36	03.08.2023	79	44	12.60	17.28	<10	<1	<5	<1	<1	<3	0.573	<0.5
37	07.08.2023	74	42	12.02	15.58	<10	<1	<5	<1	<1	<3	0.586	<0.5
38	10.08.2023	77	44	13.54	19.86	<10	<1	<5	<1	<1	<3	0.588	<0.5
39	14.08.2023	82	49	11.23	16.16	<10	<1	<5	<1	<1	<3	0.623	<0.5
40	17.08.2023	79	39	11.82	20.77	<10	<1	<5	<1	<1	<3	0.623	<0.5
41	21.08.2023	81	46	12.47	18.57	<10	<1	<5	<1	<1	<3	0.505	<0.5
42	24.08.2023	76	47	13.32	16.74	<10	<1	<5	<1	<1	<3	0.66	<0.5
43	28.08.2023	67	30	11.30	18.44	<10	<1	<5	<1	<1	<3	0.547	<0.5
44	31.08.2023	79	42	13.08	17.37	<10	<1	<5	<1	<1	<3	0.683	<0.5
45	04.09.2023	81	47	12.20	15.05	<10	<1	<5	<1	<1	<3	0.513	<0.5
46	07.09.2023	77	49	12.05	13.13	<10	<1	<5	<1	<1	<3	0.541	<0.5
47	11.09.2023	74	48	12.25	19.25	<10	<1	<5	<1	<1	<3	0.546	<0.5
48	14.09.2023	84	49	12.26	13.08	<10	<1	<5	<1	<1	<3	0.634	<0.5
49	18.09.2023	84	42	11.56	13.48	<10	<1	<5	<1	<1	<3	0.686	<0.5
50	21.09.2023	72	45	12.15	13.29	<10	<1	<5	<1	<1	<3	0.571	<0.5
51	25.09.2023	75	41	11.12	12.36	<10	<1	<5	<1	<1	<3	0.664	<0.5
52	28.09.2023	72	37	12.66	13.40	<10	<1	<5	<1	<1	<3	0.635	<0.5

Observations: Above given Result are within the norms Specified Limit as per CPCB Notification No.B-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/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>

Authorized Signatory



## ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from April-2023 to September-2023

### 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 <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	Pb	As	O <sub>3</sub>	Ni	C <sub>6</sub> H <sub>6</sub>	CO	BaP
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	ng/m <sup>3</sup>
1	03.04.2023	68	32	13.50	14.32	<10	<1	<5	<1	<1	<3	0.514	<0.5
2	06.04.2023	61	28	12.54	14.53	<10	<1	<5	<1	<1	<3	0.398	<0.5
3	10.04.2023	62	31	13.63	14.02	<10	<1	<5	<1	<1	<3	0.606	<0.5
4	13.04.2023	64	36	13.50	14.69	<10	<1	<5	<1	<1	<3	0.622	<0.5
5	17.04.2023	66	34	13.45	14.63	<10	<1	<5	<1	<1	<3	0.353	<0.5
6	21.04.2023	67	28	12.78	15.02	<10	<1	<5	<1	<1	<3	0.435	<0.5
7	24.04.2023	65	30	13.16	15.07	<10	<1	<5	<1	<1	<3	0.529	<0.5
8	27.04.2023	61	34	13.55	14.57	<10	<1	<5	<1	<1	<3	0.669	<0.5
9	01.05.2023	60	25	15.44	23.24	<10	<1	<5	<1	<1	<3	0.623	<0.5
10	04.05.2023	69	34	15.36	20.63	<10	<1	<5	<1	<1	<3	0.668	<0.5
11	08.05.2023	64	30	16.33	21.77	<10	<1	<5	<1	<1	<3	0.731	<0.5
12	11.05.2023	68	31	17.15	22.54	<10	<1	<5	<1	<1	<3	0.456	<0.5
13	15.05.2023	66	32	16.49	20.66	<10	<1	<5	<1	<1	<3	0.592	<0.5
14	18.05.2023	65	29	16.58	20.72	<10	<1	<5	<1	<1	<3	0.566	<0.5
15	22.05.2023	69	27	15.78	23.56	<10	<1	<5	<1	<1	<3	0.714	<0.5
16	25.05.2023	63	37	15.29	24.08	<10	<1	<5	<1	<1	<3	0.575	<0.5
17	29.05.2023	63	31	15.57	24.08	<10	<1	<5	<1	<1	<3	0.697	<0.5
18	01.06.2023	62	28	11.47	16.33	<10	<1	<5	<1	<1	<3	0.584	<0.5
19	05.06.2023	59	37	12.30	14.62	<10	<1	<5	<1	<1	<3	0.681	<0.5
20	08.06.2023	67	32	13.88	20.36	<10	<1	<5	<1	<1	<3	0.544	<0.5
21	12.06.2023	65	35	12.86	18.45	<10	<1	<5	<1	<1	<3	0.493	<0.5
22	15.06.2023	62	36	12.82	19.54	<10	<1	<5	<1	<1	<3	0.703	<0.5
23	19.06.2023	57	25	12.44	17.47	<10	<1	<5	<1	<1	<3	0.633	<0.5
24	22.06.2023	64	36	12.21	16.85	<10	<1	<5	<1	<1	<3	0.629	<0.5
25	26.06.2023	64	36	13.59	19.79	<10	<1	<5	<1	<1	<3	0.611	<0.5
26	29.06.2023	58	29	13.48	18.89	<10	<1	<5	<1	<1	<3	0.678	<0.5
27	03.07.2023	58	32	13.60	14.99	<10	<1	<5	<1	<1	<3	0.486	<0.5
28	06.07.2023	62	35	13.41	18.47	<10	<1	<5	<1	<1	<3	0.583	<0.5
29	10.07.2023	61	36	11.70	18.73	<10	<1	<5	<1	<1	<3	0.438	<0.5
30	13.07.2023	61	34	12.06	18.71	<10	<1	<5	<1	<1	<3	0.631	<0.5
31	17.07.2023	65	35	11.85	18.30	<10	<1	<5	<1	<1	<3	0.581	<0.5
32	20.07.2023	60	30	13.99	20.01	<10	<1	<5	<1	<1	<3	0.525	<0.5
33	24.07.2023	59	31	11.82	18.60	<10	<1	<5	<1	<1	<3	0.713	<0.5
34	27.07.2023	60	32	12.80	15.71	<10	<1	<5	<1	<1	<3	0.643	<0.5
35	31.07.2023	68	36	12.33	15.20	<10	<1	<5	<1	<1	<3	0.630	<0.5
36	03.08.2023	68	39	13.57	14.59	<10	<1	<5	<1	<1	<3	0.618	<0.5
37	07.08.2023	68	41	13.35	18.97	<10	<1	<5	<1	<1	<3	0.499	<0.5
38	14.08.2023	70	46	12.34	18.31	<10	<1	<5	<1	<1	<3	0.723	<0.5
39	17.08.2023	70	46	11.85	19.30	<10	<1	<5	<1	<1	<3	0.548	<0.5
40	21.08.2023	71	39	13.49	20.01	<10	<1	<5	<1	<1	<3	0.603	<0.5
41	24.08.2023	84	44	11.82	18.60	<10	<1	<5	<1	<1	<3	0.773	<0.5
42	28.08.2023	73	43	12.80	15.72	<10	<1	<5	<1	<1	<3	0.568	<0.5
43	31.08.2023	86	45	12.39	15.35	<10	<1	<5	<1	<1	<3	0.582	<0.5
44	04.09.2023	67	35	11.46	17.36	<10	<1	<5	<1	<1	<3	0.641	<0.5
45	07.09.2023	71	46	12.10	14.68	<10	<1	<5	<1	<1	<3	0.581	<0.5
46	11.09.2023	72	37	13.08	14.67	<10	<1	<5	<1	<1	<3	0.616	<0.5
47	14.09.2023	76	47	12.52	14.65	<10	<1	<5	<1	<1	<3	0.678	<0.5
48	18.09.2023	77	46	13.06	14.29	<10	<1	<5	<1	<1	<3	0.691	<0.5
49	21.09.2023	76	39	13.04	14.77	<10	<1	<5	<1	<1	<3	0.511	<0.5
50	25.09.2023	88	35	13.50	14.74	<10	<1	<5	<1	<1	<3	0.688	<0.5
51	28.09.2023	77	41	13.14	14.54	<10	<1	<5	<1	<1	<3	0.575	<0.5

Observations Above given Result are within the norms Specified Limit as per CPCB Notification MoE-29316/20/90/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/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>

Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>

Authorized Signatory

# KADAM ENVIRONMENTAL CONSULTANTS

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## ENVIRONMENTAL MONITORING REPORT

Environment Monitoring Report for the period from April-2023 to September-2023

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 <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	Pb	As	O <sub>3</sub>	Ni	C <sub>6</sub> H <sub>6</sub>	CO	BaP
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	mg/m <sup>3</sup>	ng/m <sup>3</sup>
1	03.04.2023	58	26	12.92	13.05	<10	<1	<5	<1	<1	<3	0.604	<0.5
2	06.04.2023	67	37	12.60	14.36	<10	<1	<5	<1	<1	<3	0.121	<0.5
3	10.04.2023	61	35	12.55	13.85	<10	<1	<5	<1	<1	<3	0.465	<0.5
4	13.04.2023	69	32	12.07	14.26	<10	<1	<5	<1	<1	<3	0.368	<0.5
5	17.04.2023	68	31	12.63	14.80	<10	<1	<5	<1	<1	<3	0.637	<0.5
6	21.04.2023	68	37	13.26	14.56	<10	<1	<5	<1	<1	<3	0.575	<0.5
7	24.04.2023	70	35	12.76	13.27	<10	<1	<5	<1	<1	<3	0.428	<0.5
8	27.04.2023	66	30	12.92	14.28	<10	<1	<5	<1	<1	<3	0.478	<0.5
9	01.05.2023	63	30	16.07	13.18	<10	<1	<5	<1	<1	<3	0.570	<0.5
10	04.05.2023	70	30	17.05	21.54	<10	<1	<5	<1	<1	<3	0.507	<0.5
11	06.05.2023	66	31	15.70	20.94	<10	<1	<5	<1	<1	<3	0.439	<0.5
12	11.05.2023	67	33	17.20	23.10	<10	<1	<5	<1	<1	<3	0.545	<0.5
13	15.05.2023	69	29	15.27	24.16	<10	<1	<5	<1	<1	<3	0.670	<0.5
14	18.05.2023	68	30	17.12	21.58	<10	<1	<5	<1	<1	<3	0.735	<0.5
15	22.05.2023	62	25	15.46	24.62	<10	<1	<5	<1	<1	<3	0.669	<0.5
16	25.05.2023	64	32	15.98	20.99	<10	<1	<5	<1	<1	<3	0.746	<0.5
17	29.05.2023	65	27	17.02	22.67	<10	<1	<5	<1	<1	<3	0.586	<0.5
18	01.06.2023	60	33	12.04	15.27	<10	<1	<5	<1	<1	<3	0.614	<0.5
19	05.06.2023	66	36	13.16	18.09	<10	<1	<5	<1	<1	<3	0.497	<0.5
20	08.06.2023	62	25	12.94	18.19	<10	<1	<5	<1	<1	<3	0.698	<0.5
21	12.06.2023	69	33	11.75	17.29	<10	<1	<5	<1	<1	<3	0.591	<0.5
22	15.06.2023	68	31	12.07	17.29	<10	<1	<5	<1	<1	<3	0.596	<0.5
23	19.06.2023	61	29	12.37	20.03	<10	<1	<5	<1	<1	<3	0.713	<0.5
24	22.06.2023	59	36	11.75	20.31	<10	<1	<5	<1	<1	<3	0.520	<0.5
25	26.06.2023	61	38	13.48	19.51	<10	<1	<5	<1	<1	<3	0.589	<0.5
26	29.06.2023	63	33	13.08	14.62	<10	<1	<5	<1	<1	<3	0.626	<0.5
27	03.07.2023	54	27	11.96	10.51	<10	<1	<5	<1	<1	<3	0.512	<0.5
28	06.07.2023	59	30	13.77	20.05	<10	<1	<5	<1	<1	<3	0.553	<0.5
29	10.07.2023	60	31	11.68	14.91	<10	<1	<5	<1	<1	<3	0.603	<0.5
30	13.07.2023	60	30	12.88	15.29	<10	<1	<5	<1	<1	<3	0.512	<0.5
31	17.07.2023	61	34	13.24	15.94	<10	<1	<5	<1	<1	<3	0.532	<0.5
32	20.07.2023	63	33	11.38	15.68	<10	<1	<5	<1	<1	<3	0.471	<0.5
33	24.07.2023	63	27	12.77	15.33	<10	<1	<5	<1	<1	<3	0.563	<0.5
34	27.07.2023	61	25	13.14	18.68	<10	<1	<5	<1	<1	<3	0.713	<0.5
35	31.07.2023	61	31	11.47	19.83	<10	<1	<5	<1	<1	<3	0.571	<0.5
36	03.08.2023	77	45	11.92	18.44	<10	<1	<5	<1	<1	<3	0.487	<0.5
37	07.08.2023	67	38	13.68	20.21	<10	<1	<5	<1	<1	<3	0.517	<0.5
38	10.08.2023	73	46	11.67	14.54	<10	<1	<5	<1	<1	<3	0.477	<0.5
39	14.08.2023	77	47	12.85	15.33	<10	<1	<5	<1	<1	<3	0.678	<0.5
40	17.08.2023	71	40	13.24	15.94	<10	<1	<5	<1	<1	<3	0.73	<0.5
41	21.08.2023	92	44	11.98	15.69	<10	<1	<5	<1	<1	<3	0.69	<0.5
42	24.08.2023	74	40	12.77	15.13	<10	<1	<5	<1	<1	<3	0.59	<0.5
43	28.08.2023	71	42	13.19	18.77	<10	<1	<5	<1	<1	<3	0.638	<0.5
44	31.08.2023	82	41	11.47	19.73	<10	<1	<5	<1	<1	<3	0.531	<0.5
45	04.09.2023	79	42	12.50	14.57	<10	<1	<5	<1	<1	<3	0.781	<0.5
46	07.09.2023	69	39	13.15	15.21	<10	<1	<5	<1	<1	<3	0.68	<0.5
47	11.09.2023	73	41	12.52	13.14	<10	<1	<5	<1	<1	<3	0.593	<0.5
48	14.09.2023	69	49	13.36	14.36	<10	<1	<5	<1	<1	<3	0.661	<0.5
49	18.09.2023	79	40	12.12	14.68	<10	<1	<5	<1	<1	<3	0.534	<0.5
50	21.09.2023	86	48	12.85	15.27	<10	<1	<5	<1	<1	<3	0.598	<0.5
51	25.09.2023	71	41	12.55	13.09	<10	<1	<5	<1	<1	<3	0.591	<0.5
52	28.09.2023	84	45	12.98	15.68	<10	<1	<5	<1	<1	<3	0.608	<0.5

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification No.G-29016/2019/PCI-I Dt: 18/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 12 hourly or 1 hourly monitored values

Note: Detection Limit, Lead as Pb: 0.1 µg/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>

Authorized Signatory





## ENVIRONMENTAL MONITORING REPORT

**Environment Monitoring Report for the period from April-2023 to September-2023**

**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 <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>x</sub>	NH <sub>3</sub>	Pb	As	O <sub>3</sub>	Ni	C <sub>6</sub> H <sub>6</sub>	CO	BaP
		µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	µg/m <sup>3</sup>	ng/m <sup>3</sup>	ng/m <sup>3</sup>
1	03.04.2023	63	31	12.44	14.05	<10	<1	<5	<1	<1	<3	0.441	<0.5
2	06.04.2023	63	26	12.32	13.82	<10	<1	<5	<1	<1	<3	0.614	<0.5
3	10.04.2023	71	40	12.62	14.05	<10	<1	<5	<1	<1	<3	0.701	<0.5
4	13.04.2023	60	28	12.56	14.54	<10	<1	<5	<1	<1	<3	0.703	<0.5
5	17.04.2023	58	27	12.70	13.55	<10	<1	<5	<1	<1	<3	0.681	<0.5
6	21.04.2023	58	31	13.05	14.48	<10	<1	<5	<1	<1	<3	0.518	<0.5
7	24.04.2023	67	38	12.59	13.92	<10	<1	<5	<1	<1	<3	0.713	<0.5
8	27.04.2023	64	25	12.40	13.99	<10	<1	<5	<1	<1	<3	0.598	<0.5
9	01.05.2023	67	34	12.07	10.66	<10	<1	<5	<1	<1	<3	0.576	<0.5
10	04.05.2023	65	27	16.55	21.62	<10	<1	<5	<1	<1	<3	0.593	<0.5
11	08.05.2023	61	34	15.56	23.62	<10	<1	<5	<1	<1	<3	0.628	<0.5
12	11.05.2023	62	34	16.85	24.05	<10	<1	<5	<1	<1	<3	0.654	<0.5
13	15.05.2023	61	29	15.05	22.52	<10	<1	<5	<1	<1	<3	0.639	<0.5
14	18.05.2023	63	28	15.67	22.43	<10	<1	<5	<1	<1	<3	0.708	<0.5
15	22.05.2023	66	23	16.08	20.76	<10	<1	<5	<1	<1	<3	0.487	<0.5
16	25.05.2023	70	30	16.04	20.06	<10	<1	<5	<1	<1	<3	0.708	<0.5
17	29.05.2023	71	35	15.78	23.59	<10	<1	<5	<1	<1	<3	0.618	<0.5
18	01.06.2023	63	20	13.68	19.08	<10	<1	<5	<1	<1	<3	0.703	<0.5
19	05.06.2023	64	24	12.07	17.83	<10	<1	<5	<1	<1	<3	0.508	<0.5
20	08.06.2023	60	26	11.92	15.77	<10	<1	<5	<1	<1	<3	0.714	<0.5
21	12.06.2023	67	38	12.01	19.11	<10	<1	<5	<1	<1	<3	0.688	<0.5
22	15.06.2023	67	32	12.45	20.18	<10	<1	<5	<1	<1	<3	0.558	<0.5
23	19.06.2023	68	32	12.65	14.93	<10	<1	<5	<1	<1	<3	0.610	<0.5
24	22.06.2023	66	28	12.94	15.05	<10	<1	<5	<1	<1	<3	0.487	<0.5
25	26.06.2023	69	33	11.21	15.78	<10	<1	<5	<1	<1	<3	0.673	<0.5
26	29.06.2023	69	38	12.51	19.15	<10	<1	<5	<1	<1	<3	0.573	<0.5
27	03.07.2023	60	33	12.37	16.17	<10	<1	<5	<1	<1	<3	0.636	<0.5
28	06.07.2023	61	29	11.98	16.11	<10	<1	<5	<1	<1	<3	0.564	<0.5
29	10.07.2023	63	30	12.89	17.41	<10	<1	<5	<1	<1	<3	0.581	<0.5
30	13.07.2023	58	36	11.47	17.82	<10	<1	<5	<1	<1	<3	0.619	<0.5
31	17.07.2023	62	28	11.09	17.29	<10	<1	<5	<1	<1	<3	0.634	<0.5
32	20.07.2023	62	35	11.60	17.33	<10	<1	<5	<1	<1	<3	0.432	<0.5
33	24.07.2023	60	25	11.46	19.92	<10	<1	<5	<1	<1	<3	0.616	<0.5
34	27.07.2023	61	20	12.68	16.26	<10	<1	<5	<1	<1	<3	0.543	<0.5
35	31.07.2023	62	33	13.06	16.89	<10	<1	<5	<1	<1	<3	0.548	<0.5
36	03.08.2023	70	40	12.26	16.57	<10	<1	<5	<1	<1	<3	0.556	<0.5
37	07.08.2023	79	46	11.25	16.35	<10	<1	<5	<1	<1	<3	0.714	<0.5
38	10.08.2023	69	46	12.77	17.98	<10	<1	<5	<1	<1	<3	0.528	<0.5
39	14.08.2023	71	48	11.42	17.67	<10	<1	<5	<1	<1	<3	0.657	<0.5
40	17.08.2023	73	41	11.09	17.29	<10	<1	<5	<1	<1	<3	0.864	<0.5
41	21.08.2023	76	49	11.60	17.71	<10	<1	<5	<1	<1	<3	0.473	<0.5
42	24.08.2023	76	48	11.46	19.92	<10	<1	<5	<1	<1	<3	0.672	<0.5
43	28.08.2023	72	46	12.68	16.29	<10	<1	<5	<1	<1	<3	0.466	<0.5
44	31.08.2023	79	43	12.24	16.49	<10	<1	<5	<1	<1	<3	0.641	<0.5
45	04.09.2023	66	39	12.35	13.38	<10	<1	<5	<1	<1	<3	0.702	<0.5
46	07.09.2023	82	47	12.40	12.89	<10	<1	<5	<1	<1	<3	0.493	<0.5
47	11.09.2023	86	49	12.06	13.38	<10	<1	<5	<1	<1	<3	0.581	<0.5
48	14.09.2023	75	43	12.13	13.21	<10	<1	<5	<1	<1	<3	0.558	<0.5
49	18.09.2023	81	41	12.69	13.50	<10	<1	<5	<1	<1	<3	0.574	<0.5
50	21.09.2023	78	42	12.55	14.26	<10	<1	<5	<1	<1	<3	0.681	<0.5
51	25.09.2023	80	49	12.05	13.35	<10	<1	<5	<1	<1	<3	0.591	<0.5
52	28.09.2023	81	40	12.20	13.17	<10	<1	<5	<1	<1	<3	0.639	<0.5

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification No.B-29316/2019/PCI-I Dt: 18/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 8 hourly or 1 hourly monitored values

Notes: Detection Limit, Lead as Pb: 0.1µg/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 ng/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>

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**ENVIRONMENTAL MONITORING REPORT****3B. GROUND WATER LEVEL & QUALITY ANALYSIS (PIEZOMETERS) MONITORING: -****Table- 1: Ground Water Level & Quality Analysis (Piezometer) Results for the period:  
April-2023 to September-2023****3B.1 Near EHS Building**

SR. NO.	01-04-2023	UNIT	OBSERVATION					
			Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
			28.04.2023	06.05.2023	28.06.2023	27.07.2023	31.08.2023	26.09.2023
1	pH	--	7.41	8.06	7.85	7.69	7.50	7.46
2	Temperature	°C	27	29.6	26.7	27.2	27.7	26.0
3	Total Dissolved Solids	mg/L	689	816	776	728	512	616
4	Chloride as Cl	mg/L	102	69.66	132	126	145	94
5	Salinity	mg/L	190	125.53	237.89	227.54	261	202
6	Depth of Water Level from Ground Level	meter	2.0	2.1	2.1	2.1	2.1	2.0

**3B.2 Near SS 7B Building**

SR. NO.	TEST PARAMETER	UNIT	OBSERVATION					
			Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
			28.04.2023	06.05.2023	28.06.2023	27.07.2023	31.08.2023	26.09.2023
1	pH	--	7.46	8.09	7.84	7.77	7.39	7.42
2	Temperature	°C	28	29.6	26.8	26.9	27.6	26.0
3	Total Dissolved Solids	mg/L	585	832	608	500	492	502
4	Chloride as Cl	mg/L	104	88.24	141	141	160	99
5	Salinity	mg/L	109	159	254.88	253.8	288	196
6	Depth of Water Level from Ground Level	meter	2.1	2.1	2.2	2.2	2.1	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:  
April-2023 to September-2023**

SR. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE											
			Apr-23		May-23		Jun-23		Jul-23		Aug-23		Sep-23	
			26.04.2023		06.05.2023		26.06.2023		27.07.2023		31.08.2023		26.09.2023	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	-	7.25	7.89	7.78	7.55	7.60	7.61	7.69	7.60	7.33	7.40	7.39	7.62
2	Temperature	°C	26	27	29.6	29.6	25.4	26.2	26.3	26.5	27.6	27.8	26	26
3	Ammonia Nitrogen	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4	Nitrophos	mg/L	<0.01	<0.01	3.96	3.11	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
5	Nitrite	mg/L	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<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	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7	COD	mg/L	<5	<5	519	480	<5	<5	<5	<5	<5	<5	<5	<5
8	BOD at 27° C/3Days	mg/L	<2	<2	164	140	<2	<2	<2	<2	<2	<2	<2	<2
9	Total Dissolved Solids	mg/L	33460	36620	34060	27974	30220	31802	35064	31210	31446	30983	30548	34700
10	Total Suspended Solids	mg/L	10	14	11	14	9	9	12	10	6	8	9	11
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	Dissolved Oxygen (D.O)	mg/L	3.6	3.8	5.1	6.3	3.4	3.6	3.1	3.5	3.6	3.8	3.2	3.4
13	Salinity	mg/L	58102	66080	29540.44	45551.45	30550.21	29481.67	30900.96	30105.79	30064	28372	57040	64981
14	Total Nitrogen	mg/L	N.D.	N.D.	N.D.	4.0.	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.( $<1.8$ )	N.D.( $<1.8$ )	N.D.( $<1.8$ )	11	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	1500	900	$66 \times 10^2$	$9 \times 10^1$	$33 \times 10^2$	$22 \times 10^2$	$17 \times 10^2$	$17 \times 10^1$	$35 \times 10^2$	$9 \times 10^2$	$60 \times 10^2$	$12 \times 10^2$

*(Signature)*



# KADAM ENVIRONMENTAL CONSULTANTS

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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: April-2023 to September-2023

SR. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SOUTH SIDE											
			Apr-23		May-23		Jun-23		Jul-23		Aug-23		Sep-23	
			28.04.2023		08.05.2023		28.06.2023		27.07.2023		31.08.2023		20.09.2023	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	-	7.62	7.66	7.6	7.57	7.40	7.47	7.45	7.51	7.59	7.29	7.41	7.49
2	Temperature	°C	27	27	29.6	29.6	26.1	26.1	27.2	27.4	27.6	27.6	26	26
3	Ammonical Nitrogen	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4	Phosphate	mg/l	<0.02	<0.02	3.45	6.23	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
5	Nitrite	mg/l	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<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	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
7	COD	mg/l	<5	<5	569	447	<5	<5	<5	<5	<5	<5	<5	<5
8	BOD at 20° C 3Days	mg/l	<2	<2	167	174	<2	<2	<2	<2	<2	<2	<2	<2
9	Total Dissolve Solids	mg/l	32480	31444	33938	35284	30316	31728	30756	31460	31208	31368	31402	32065
10	Total Suspended Solids	mg/l	10	10	12	16	10	9	9	11	5	9	17	11
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	3.2	5.6	4.9	3.3	3.6	3.5	3.3	3.2	3.7	3.7	3.6
13	Salinity	mg/l	38452	39052	31632.54	30485.71	16396.00	25726.56	30512.27	30288.21	30714	29524	30390	30663
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.( $<1.8$ )	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.( $<1.8$ )	N.D.( $<1.8$ )
16	CoDl	ACOMl	absent	absent	absent	absent	absent	absent	absent	absent	absent	absent	absent	absent
17	Total Plate count	CFU/ml	1000	500	$10 \times 10^2$	$21 \times 10^2$	$15 \times 10^2$	$20 \times 10^2$	$16 \times 10^2$	$18 \times 10^2$	$88 \times 10^2$	$21 \times 10^2$	$72 \times 10^2$	$14 \times 10^2$



## ENVIRONMENTAL MONITORING REPORT

### 3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table - Sea Sediment Quality Analysis (North Side) Results for the period: April-2023 to September-2023

Sr. No.	PARAMETERS	UNIT	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
			28.04.2023	08.05.2023	28.06.2023	27.07.2023	31.08.2023	26.09.2023
1	01-04-2023	gm/kg	0.61	0.62	0.30	3.27	0.63	0.66
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	0.071	0.69	0.22	N.D	<0.02	0.017
12	Texture		Sandy loam	Sandy loam	Sandy loam	Clay loam	Sandy loam	Sandy loam
13								
13.1	Sand	%	41	43	33	16	41	41
13.2	Clay	%	32	39	29	49	26	39
13.3	Silt	%	21	18	38	35	33	20

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



## ENVIRONMENTAL MONITORING REPORT

### 3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table - Sea Sediment Quality Analysis (South Side) Results for the period: April-2023 to September-2023

Sr. No.	PARAMETERS	UNIT	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
			28.04.2023	08.05.2023	28.06.2023	27.07.2023	31.08.2023	26.09.2023
1	01-01-2023	gm/kg	0.62	0.68	0.27	3.55	0.57	0.71
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	0.021	0.07	0.23	N.D	<0.02	0.019
12	Texture		Sandy loam	Sandy loam	Sandy loam	Clay loam	Sandy loam	Sandy loam
13	Particle Size							
13.1	Sand	%	41	41	31	12	34	45
13.2	Clay	%	36	32	25.8	51	36	34
13.3	Silt	%	23	27	43	37	30	21

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

**ENVIRONMENTAL MONITORING REPORT****3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -****Table - Dump Pond Water Quality Analysis Results for the period:  
April-2023 to September-2023**

Sr. No.	Test Parameters	Unit	May-23			Aug-23	
			08.05.2023	08.05.2023	08.05.2023	31.08.2023	31.08.2023
			Dump Pond - 1	Dump Pond - 2	Dump Pond - 3	Dump Pond - 1	Dump Pond - 2
1.	pH		7.41	6.91	7.38	7.08	6.97
2.	Turbidity	NTU	<0.1	<0.1	<0.1	<0.1	<0.1
3.	Fluoride	mg/L	<0.05	<0.05	<0.05	0.11	0.25
4.	COD	mg/L	90	106	102	20	40
5.	BOD at 27° C 3Days	mg/L	23	27	25	6	13
6.	Total Dissolve Solids	mg/L	3496	3460	3428	260	284
7.	Total Suspended Solids	mg/L	6	4	5	5	8
8.	Oil & Grease	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5
9.	Dissolve Oxygen (D.O)	mg/L	2.9	2.6	2.4	3.4	3.1
10.	Total Hardness	mg/L	3240	2890	2960	200	220
11.	Chloride	mg/L	69.66	97.52	83.59	50	55
12.	Cadmium	mg/L	<0.01	<0.01	<0.01	<0.001	<0.001
13.	Lead	mg/L	<0.02	<0.02	<0.02	<0.001	<0.001
14.	Zinc	mg/L	<0.03	<0.03	<0.03	<0.003	<0.003
15.	Mercury	mg/L	<0.02	<0.02	<0.02	<0.001	<0.001
16.	Salinity	mg/L	125.53	175.74	150.63	90	99

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

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## ENVIRONMENTAL MONITORING REPORT

### 3F. STP TREATED WATER QUALITY ANALYSIS MONITORING: -

TABLE - STP TREATED WATER QUALITY ANALYSIS RESULTS FOR THE PERIOD:

April-2023 TO

September-2023

SR. NO.	TEST PARAMETERS	UNIT	STP Treated Water Quality Analysis Results					
			Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
			28.04.2023	08.05.2023	28.06.2023	27.07.2023	31.08.2023	26.09.2023
1.	pH	--	7.13	7.20	6.74	6.75	6.80	7.26
2.	BOD (3 Days @ 27 °C)	mg/L	9	10	4	6	8	7
3.	Total Suspended Solids	mg/L	15	24	10	11	8	17
4.	Residual Free Chlorine	mg/L	0.62	0.80	1.77	0.89	0.62	0.54
5.	Fecal Coliform Bacteria	MPN/ 100ml	14	22	280	140	N.D.( <1.8)	17

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



## 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 April-2023 to September-2023

Sampling Location	1 - Near Substation – 6 Back side					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	24.04.2023 & 25.04.2023	31.05.2023 & 01.06.2023	28.06.2023 & 29.06.2023	31.07.2023 & 01.08.2023	31.08.2023 & 01.09.2023	04.09.2023 & 05.09.2023
6:00-7:00	62.4	44.1	61.1	41.7	61.1	55.2
7:00-8:00	58.9	46.0	59.1	43.3	59.1	60.8
8:00-9:00	63.6	66.8	60.2	45.6	60.2	54.3
9:00-10:00	69.7	68.9	60.1	45.9	60.1	59.5
10:00-11:00	67.9	59.0	58.4	48.6	58.4	56.3
11:00-12:00	69.0	60.9	56.3	46.3	49.6	52.2
12:00-13:00	69.3	58.9	58.7	47.2	54.2	57.7
13:00-14:00	69.6	61.7	55.4	48.2	53.2	60.3
14:00-15:00	68.3	58.1	58.5	50.0	60.1	58.8
15:00-16:00	67.3	57.3	62.2	50.6	63.8	65.1
16:00-17:00	70.8	54.1	59.6	51.2	64.3	60.4
17:00-18:00	71.1	51.9	60.5	50.8	68.4	67.3
18:00-19:00	72.5	50.0	59.7	50.9	49.0	61.9
19:00-20:00	74.1	48.0	60.5	51.0	62.5	57.4
20:00-21:00	70.5	47.2	59.7	49.1	54.8	59.0
21:00-22:00	67.7	46.6	58.9	40.0	51.2	61.3
22:00-23:00	65.2	46.1	56.6	35.9	54.1	55.8
23:00-00:00	60.3	49.5	55.4	37.1	52.1	61.0
00:00-01:00	58.4	41.6	58.4	39.9	53.2	50.6
01:00-02:00	62.4	37.4	56.3	42.6	49.6	54.2
02:00-03:00	62.4	36.2	58.7	44.4	65.2	58.7
03:00-04:00	59.4	39.7	57.0	46.3	57.3	60.9
04:00-05:00	55.3	42.4	55.3	52.1	51.2	57.5
05:00-06:00	55.6	44.3	58.0	37.4	50.8	52.9

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

Observations/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 - 2 - Behind QHSE Office Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-2023 to September-2023

Sampling Location	2 - Behind QHSE Office					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	03.04.2023 & 04.04.2023	01.05.2023 & 02.05.2023	01.06.2023 & 02.06.2023	03.07.2023 & 04.07.2023	31.08.2023 & 01.09.2023	04.09.2023 & 05.09.2023
6:00-7:00	56.9	49.7	58.7	50.1	60.2	51.6
7:00-8:00	52.8	50.1	52.8	52.0	58.1	55.4
8:00-9:00	53.3	52.0	53.3	51.9	54.3	57.5
9:00-10:00	63.2	51.9	63.2	52.4	56.7	54.6
10:00-11:00	71.3	51.4	71.3	51.4	64.2	60.3
11:00-12:00	73.8	51.9	72.3	51.9	68.4	59.7
12:00-13:00	72.7	52.7	74.7	52.7	63.2	57.6
13:00-14:00	70.4	52.9	72.1	54.9	72.1	68.0
14:00-15:00	73.4	52.4	74.4	57.4	70.6	66.6
15:00-16:00	74.2	50.5	74.9	50.5	73.5	70.8
16:00-17:00	72.6	48.8	73.5	48.8	59.5	63.9
17:00-18:00	71.5	48.1	73.9	48.1	58.4	55.2
18:00-19:00	70.4	48.9	72.2	48.9	64.0	61.7
19:00-20:00	72.9	46.3	72.9	46.3	63.5	60.3
20:00-21:00	64.9	45.5	64.9	45.5	61.8	53.1
21:00-22:00	61.4	44.6	61.4	42.8	60.8	62.0
22:00-23:00	57.4	43.0	57.4	43.0	57.2	59.3
23:00-00:00	55.4	44.0	55.4	41.7	58.4	59.0
00:00-01:00	55.4	41.4	55.4	46.4	52.1	55.2
01:00-02:00	54.3	49.1	54.3	49.1	58.2	49.6
02:00-03:00	52.2	51.2	52.2	51.2	65.1	68.2
03:00-04:00	52.8	50.6	52.8	52.6	62.3	58.4
04:00-05:00	52.3	50.2	52.3	54.2	68.1	66.5
05:00-06:00	53.7	49.9	53.7	49.9	53.4	58.2

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

Observations: 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 - 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 April-2023 to September-2023

Sampling Location	3 - PMC Office Back side					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	19.04.2023 & 20.04.2023	25.05.2023 & 26.05.2023	23.06.2023 & 24.06.2023	24.07.2023 & 25.07.2023	28.08.2023 & 29.08.2023	06.09.2023 & 07.09.2023
6:00-7:00	54.8	62.3	62.7	57.4	69.4	70.1
7:00-8:00	52.5	60.2	60.5	52.5	74.0	71.2
8:00-9:00	57.9	61.6	59.3	57.9	63.2	68.5
9:00-10:00	49.8	63.0	61.4	49.8	59.2	51.1
10:00-11:00	56.5	62.9	59.3	58.8	54.2	57.4
11:00-12:00	56.1	59.7	59.0	58.2	63.2	60.0
12:00-13:00	55.6	60.3	58.7	56.1	57.6	55.2
13:00-14:00	56.5	61.4	60.3	56.5	65.4	68.5
14:00-15:00	55.5	60.9	64.6	55.5	55.2	59.3
15:00-16:00	54.4	61.8	62.4	55.0	61.2	64.9
16:00-17:00	55.6	63.8	62.2	55.6	60.2	61.2
17:00-18:00	55.0	66.4	60.5	55.0	66.6	70.5
18:00-19:00	53.4	63.8	64.1	53.4	74.2	69.8
19:00-20:00	55.8	64.5	63.3	55.8	65.2	62.4
20:00-21:00	59.0	68.5	61.8	59.0	53.4	58.2
21:00-22:00	58.0	61.4	61.0	58.0	59.3	50.9
22:00-23:00	56.5	60.5	58.1	56.5	62.1	70.8
23:00-00:00	54.4	59.9	56.4	54.4	61.2	54.2
00:00-01:00	48.5	62.8	59.0	48.5	52.3	49.6
01:00-02:00	37.9	60.8	59.8	37.9	63.4	55.3
02:00-03:00	36.9	60.9	58.7	36.9	60.3	65.1
03:00-04:00	39.5	59.1	55.6	39.5	58.4	67.3
04:00-05:00	36.9	58.6	59.8	36.9	63.0	60.9
05:00-06:00	40.2	58.0	60.0	40.2	57.0	59.1

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relevant 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 - 4 - Near Substation 7B Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-2023 to September-2023

Sampling Location	4 - Near Substation 7B					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	14.04.2023 & 15.04.2023	18.05.2023 & 19.05.2023	19.06.2023 & 20.06.2023	17.07.2023 & 18.07.2023	28.08.2023 & 29.08.2023	06.09.2023 & 07.09.2023
6:00-7:00	63.2	44.1	68.3	50.2	58.4	59.1
7:00-8:00	60.6	46.0	67.5	43.7	60.1	55.7
8:00-9:00	61.5	66.8	67.7	58.5	72.3	69.2
9:00-10:00	62.3	68.9	69.8	53.1	74.5	70.8
10:00-11:00	59.4	59.0	69.7	57.9	73.6	67.7
11:00-12:00	58.0	60.9	64.3	58.7	53.4	71.3
12:00-13:00	60.4	58.9	65.4	57.1	54.9	60.5
13:00-14:00	60.5	61.7	64.2	58.7	60.4	63.7
14:00-15:00	60.9	58.1	64.9	57.8	53.1	58.2
15:00-16:00	64.1	57.3	67.5	57.2	68.1	51.4
16:00-17:00	64.7	54.1	68.5	57.3	74.6	68.4
17:00-18:00	61.1	51.9	67.8	52.8	69.5	61.7
18:00-19:00	61.3	50.0	66.5	51.5	53.4	56.1
19:00-20:00	63.0	48.0	67.8	51.2	54.2	59.4
20:00-21:00	62.8	47.2	68.1	50.8	61.2	66.6
21:00-22:00	62.0	46.6	67.4	51.9	63.5	60.9
22:00-23:00	61.0	46.1	66.7	51.4	60.2	68.4
23:00-00:00	55.5	49.5	66.4	51.2	54.3	59.2
00:00-01:00	56.4	41.6	66.2	50.6	45.7	60.7
01:00-02:00	59.5	37.4	66.0	53.6	62.3	51.8
02:00-03:00	59.5	36.2	62.4	53.0	60.4	55.7
03:00-04:00	59.4	39.7	67.5	52.8	55.1	58.4
04:00-05:00	59.9	42.4	67.9	44.8	68.4	68.3
05:00-06:00	60.0	44.3	67.8	41.6	69.3	61.2

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



## 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 April-2023 to September-2023

Sampling Location	5 - ERMS Workshop					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	07.04.2023 & 08.04.2023	08.05.2023 & 09.05.2023	08.06.2023 & 09.06.2023	07.07.2023 & 08.07.2023	25.08.2023 & 26.08.2023	08.09.2023 & 09.09.2023
6:00-7:00	60.6	58.7	60.1	59.5	61.2	49.8
7:00-8:00	58.5	56.1	57.8	61.8	56.3	55.6
8:00-9:00	57.9	57.6	59.3	53.8	51.2	59.8
9:00-10:00	53.9	57.4	56.2	51.0	61.0	63.7
10:00-11:00	56.8	58.5	54.0	54.1	53.2	55.1
11:00-12:00	58.8	57.9	57.2	54.1	64.1	60.4
12:00-13:00	58.0	53.9	58.2	55.9	50.2	57.9
13:00-14:00	57.3	55.6	58.1	58.1	64.5	67.7
14:00-15:00	58.1	58.8	57.5	59.0	68.4	62.2
15:00-16:00	57.5	58.0	58.0	60.0	63.5	65.3
16:00-17:00	57.8	57.3	57.8	59.8	72.4	70.0
17:00-18:00	56.2	50.1	57.0	58.5	70.2	59.7
18:00-19:00	55.8	57.5	56.0	57.6	68.6	49.1
19:00-20:00	56.3	57.8	56.1	58.9	50.6	53.2
20:00-21:00	54.2	56.2	55.3	61.2	49.0	59.9
21:00-22:00	58.1	55.8	53.3	62.8	61.2	50.0
22:00-23:00	55.7	56.3	42.3	62.7	64.2	52.2
23:00-00:00	53.5	54.2	40.0	58.7	53.3	48.9
00:00-01:00	53.5	58.1	39.2	42.8	54.6	61.5
01:00-02:00	53.3	55.7	39.5	41.9	47.5	54.3
02:00-03:00	52.8	53.5	36.9	40.2	45.1	49.2
03:00-04:00	55.1	53.5	36.2	43.4	49.8	52.9
04:00-05:00	56.1	53.3	41.4	46.4	48.6	63.3
05:00-06:00	57.6	52.8	50.0	50.3	52.3	59.0

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

Observations/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 - 6 - Behind Pump House Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-2023 to September-2023

Sampling Location	6 - Behind Pump House					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	03.04.2023 & 04.04.2023	01.05.2023 & 02.05.2023	01.06.2023 & 02.06.2023	03.07.2023 & 04.07.2023	25.08.2023 & 26.08.2023	08.09.2023 & 09.09.2023
6:00-7:00	58.1	60.1	56.3	61.9	65.3	69.9
7:00-8:00	57.8	57.8	57.8	62.5	61.4	65.2
8:00-9:00	59.3	59.3	59.3	62.7	62.3	59.8
9:00-10:00	56.2	56.2	56.2	63.8	61.2	55.5
10:00-11:00	54.0	54.0	54.0	61.6	74.5	67.1
11:00-12:00	58.7	58.7	57.3	64.9	62.2	59.1
12:00-13:00	58.3	58.3	57.8	62.9	63.6	60.3
13:00-14:00	58.1	58.1	58.1	61.1	49.8	51.0
14:00-15:00	57.1	57.1	57.1	67.6	71.2	66.8
15:00-16:00	58.4	58.4	58.4	59.1	73.4	70.3
16:00-17:00	57.8	57.8	57.8	55.7	62.4	65.7
17:00-18:00	57.0	57.0	57.0	52.7	59.0	58.2
18:00-19:00	56.0	56.0	56.0	52.2	64.5	61.7
19:00-20:00	56.1	56.1	56.1	52.6	57.2	58.5
20:00-21:00	55.3	55.3	55.3	50.8	56.8	52.9
21:00-22:00	53.3	53.3	53.3	49.4	58.4	62.2
22:00-23:00	42.3	42.3	42.3	48.2	56.5	57.0
23:00-00:00	40.0	40.0	40.0	47.3	51.2	59.9
00:00-01:00	39.2	39.2	39.2	52.1	44.1	65.0
01:00-02:00	39.5	39.5	39.5	54.3	46.9	68.8
02:00-03:00	36.9	36.9	36.9	55.5	54.1	50.6
03:00-04:00	36.2	36.2	36.2	60.4	50.6	49.6
04:00-05:00	41.4	41.4	41.4	58.6	51.3	53.1
05:00-06:00	50.0	50.0	50.0	58.1	61.4	57.4

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

Observations/below given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.

## 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 April-2023 to September-2023

Sampling Location	7 - ODC Gate					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	17.04.2023	22.05.2023	21.06.2023	20.07.2023	23.08.2023	11.09.2023
	18.04.2023	23.05.2023	22.06.2023	21.07.2023	24.08.2023	12.09.2023
6:00-7:00	50.1	62.3	58.1	59.1	67.4	62.3
7:00-8:00	52.0	60.0	57.8	57.6	65.7	58.1
8:00-9:00	51.9	61.7	59.3	56.9	64.2	55.4
9:00-10:00	52.4	59.9	56.2	62.0	60.4	59.7
10:00-11:00	51.4	58.7	54.0	54.4	58.0	51.5
11:00-12:00	51.9	60.0	53.6	52.1	64.1	67.3
12:00-13:00	52.7	60.2	58.3	51.4	59.2	52.6
13:00-14:00	52.9	57.0	58.1	50.7	60.4	56.8
14:00-15:00	52.4	57.1	57.1	52.9	63.8	60.2
15:00-16:00	50.5	59.4	58.4	62.2	67.1	65.5
16:00-17:00	48.8	57.9	57.8	59.6	60.8	67.2
17:00-18:00	40.1	62.0	57.0	60.5	63.0	57.1
18:00-19:00	48.9	55.5	56.0	59.7	60.1	60.2
19:00-20:00	46.3	58.7	56.1	60.5	58.7	55.3
20:00-21:00	45.5	59.1	55.3	59.7	62.4	51.3
21:00-22:00	42.8	63.2	53.3	58.9	67.1	61.5
22:00-23:00	43.0	61.5	42.3	56.6	49.2	50.6
23:00-00:00	44.0	61.0	40.0	54.4	46.2	69.7
00:00-01:00	46.4	59.1	39.2	48.8	48.5	50.7
01:00-02:00	49.1	57.9	39.5	56.3	50.2	56.2
02:00-03:00	51.2	56.9	36.9	58.7	53.2	65.0
03:00-04:00	52.6	54.2	36.2	57.0	60.4	61.5
04:00-05:00	54.2	53.9	41.4	55.3	52.4	59.4
05:00-06:00	49.9	56.1	50.0	58.0	48.6	49.1

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

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



## 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 April-2023 to September-2023

Sampling Location	8 - OSY 1					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	17.04.2023 & 18.04.2023	22.05.2023 & 23.05.2023	21.06.2023 & 22.06.2023	20.07.2023 & 21.07.2023	23.08.2023 & 24.08.2023	11.09.2023 & 12.09.2023
6:00-7:00	60.4	61.7	59.2	56.3	48.2	51.6
7:00-8:00	57.8	59.9	57.6	52.5	63.5	65.3
8:00-9:00	59.3	60.8	54.9	57.9	55.4	59.4
9:00-10:00	56.2	63.4	56.2	49.8	70.2	67.7
10:00-11:00	54.1	66.1	57.4	56.5	74.6	69.2
11:00-12:00	58.7	68.3	57.4	56.1	68.4	61.1
12:00-13:00	58.3	69.5	54.2	55.6	69.3	65.5
13:00-14:00	58.1	70.8	54.7	56.5	58.4	59.0
14:00-15:00	57.1	68.4	58.5	55.5	59.3	56.5
15:00-16:00	58.4	62.7	62.2	54.4	63.5	60.9
16:00-17:00	57.8	66.4	59.6	55.6	60.2	54.3
17:00-18:00	57.0	66.8	60.5	55.0	58.4	50.1
18:00-19:00	56.0	64.1	59.7	53.4	63.4	60.8
19:00-20:00	56.1	64.6	60.5	55.8	66.4	69.2
20:00-21:00	55.3	68.0	59.7	59.0	58.4	62.2
21:00-22:00	53.3	62.0	58.9	58.0	67.4	65.1
22:00-23:00	42.3	60.5	56.6	56.5	54.1	50.2
23:00-00:00	40.0	59.7	55.4	54.4	55.6	68.1
00:00-01:00	39.2	62.7	52.4	48.5	63.5	65.4
01:00-02:00	39.5	60.9	56.3	37.9	45.6	50.9
02:00-03:00	36.9	60.9	58.7	36.9	63.5	47.7
03:00-04:00	36.2	59.6	57.0	39.5	59.8	53.1
04:00-05:00	41.4	58.5	55.3	36.9	68.7	62.3
05:00-06:00	50.0	57.8	58.0	40.2	62.4	60.2

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

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



## ENVIRONMENTAL MONITORING REPORT

### 36. 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 April-2023 to September-2023

Sampling Location	9 - Substation 8 (Marine Building)					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	24.04.2023	31.05.2023	28.06.2023	31.07.2023	21.08.2023	14.09.2023
	& 25.04.2023	& 01.06.2023	& 29.06.2023	& 01.08.2023	& 22.08.2023	& 15.09.2023
6:00-7:00	54.9	58.8	73.4	44.1	65.4	59.3
7:00-8:00	64.9	57.6	73.0	46.0	63.2	53.2
8:00-9:00	65.7	56.9	73.6	66.8	69.4	57.9
9:00-10:00	54.7	55.3	74.2	68.9	72.1	68.5
10:00-11:00	54.9	56.4	60.5	59.0	70.4	61.8
11:00-12:00	57.0	54.8	59.2	60.9	68.4	63.2
12:00-13:00	58.0	54.2	56.8	58.9	57.1	51.5
13:00-14:00	58.3	54.7	64.4	61.7	52.3	55.7
14:00-15:00	58.3	58.5	64.2	58.1	63.5	63.5
15:00-16:00	59.8	62.2	73.4	57.3	65.2	67.3
16:00-17:00	59.8	59.6	73.5	54.1	48.6	56.1
17:00-18:00	58.9	60.5	73.6	51.9	65.2	60.5
18:00-19:00	58.0	59.7	73.6	50.0	48.6	52.6
19:00-20:00	59.9	60.5	73.7	48.0	56.8	49.9
20:00-21:00	61.9	59.7	73.5	47.2	60.3	54.0
21:00-22:00	60.9	58.9	73.4	46.6	68.5	61.4
22:00-23:00	58.3	56.6	61.1	46.1	56.8	57.2
23:00-00:00	58.3	55.4	66.9	49.5	59.2	66.1
00:00-01:00	56.7	53.1	57.9	41.6	50.7	52.4
01:00-02:00	55.6	52.9	48.8	37.4	56.3	48.2
02:00-03:00	54.7	56.7	49.1	36.2	58.6	57.5
03:00-04:00	54.3	57.0	47.9	39.7	64.5	60.9
04:00-05:00	53.9	55.3	47.2	42.4	42.1	49.3
05:00-06:00	54.4	58.0	46.1	44.3	65.3	60.7

\*dB(A) Leq: denotes the time weighted average of the level of sound in dB, Leq on scale A which is referable 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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### 36. 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 April-2023 to September-2023

Sampling Location	10 - Rock Bond Approach (Jetty)					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	21.04.2023	29.05.2023	26.06.2023	27.07.2023	21.08.2023	14.09.2023
	& 22.04.2023	& 30.05.2023	& 27.06.2023	& 28.07.2023	& 22.08.2023	& 15.09.2023
6:00-7:00	44.1	60.1	62.4	54.9	64.2	60.3
7:00-8:00	46.0	57.0	60.6	64.9	56.3	65.2
8:00-9:00	66.8	57.6	60.3	65.7	54.8	58.4
9:00-10:00	68.9	65.1	59.8	54.7	60.2	63.4
10:00-11:00	59.0	59.3	61.3	54.9	63.6	58.6
11:00-12:00	60.9	62.2	58.0	57.0	68.2	61.9
12:00-13:00	58.9	66.5	60.4	58.0	53.2	55.0
13:00-14:00	61.7	64.7	60.5	58.3	69.2	63.1
14:00-15:00	58.1	65.0	60.9	58.3	54.2	57.3
15:00-16:00	57.3	64.4	64.1	59.8	53.2	64.4
16:00-17:00	54.1	63.4	64.7	59.8	68.2	70.2
17:00-18:00	51.9	61.7	61.1	58.9	52.3	56.6
18:00-19:00	50.0	59.0	61.3	58.0	64.2	62.9
19:00-20:00	48.0	57.1	63.0	59.9	58.5	52.7
20:00-21:00	47.2	56.0	62.8	61.9	63.2	56.9
21:00-22:00	46.6	55.7	62.0	60.9	59.5	55.3
22:00-23:00	46.1	55.4	61.0	58.3	52.3	65.8
23:00-00:00	49.5	54.0	55.5	58.3	62.5	63.1
00:00-01:00	41.6	54.6	56.4	56.7	57.2	57.3
01:00-02:00	37.4	55.1	59.5	55.6	55.6	64.4
02:00-03:00	36.2	54.7	59.5	54.7	49.2	70.2
03:00-04:00	39.7	54.1	59.4	54.3	48.7	58.3
04:00-05:00	42.4	54.1	59.9	53.9	62.5	60.5
05:00-06:00	44.3	54.6	60.0	54.4	54.0	57.2

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

Observations: 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 April-2023 to September-2023

Sampling Location	11 - ISPS Gate					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	10.04.2023 & 11.04.2023	11.05.2023 & 12.05.2023	12.06.2023 & 13.06.2023	10.07.2023 & 11.07.2023	18.08.2023 & 19.08.2023	18.09.2023 & 19.09.2023
6:00-7:00	69.9	58.3	59.7	58.6	65.2	65.2
7:00-8:00	67.6	60.4	57.6	57.8	67.3	60.1
8:00-9:00	67.2	61.9	56.9	59.3	65.3	58.2
9:00-10:00	68.1	62.7	62.0	56.2	68.2	53.5
10:00-11:00	66.6	57.5	59.8	54.0	60.1	56.1
11:00-12:00	69.1	56.8	57.1	58.7	64.2	59.7
12:00-13:00	70.2	59.2	54.2	58.3	63.1	68.4
13:00-14:00	71.0	58.6	54.7	58.1	53.2	61.2
14:00-15:00	72.3	55.3	56.4	57.1	68.2	55.6
15:00-16:00	70.5	61.9	59.9	58.4	63.5	69.8
16:00-17:00	71.9	62.3	59.6	57.8	60.5	58.3
17:00-18:00	69.7	57.9	60.5	57.0	71.3	52.4
18:00-19:00	65.6	55.9	59.7	56.0	67.6	60.1
19:00-20:00	68.2	51.4	60.5	56.1	65.2	55.5
20:00-21:00	64.3	52.1	59.7	55.3	69.4	66.0
21:00-22:00	62.8	53.8	58.9	53.3	66.1	70.5
22:00-23:00	61.9	54.6	56.6	42.3	59.9	52.6
23:00-00:00	65.6	55.1	53.1	40.0	54.2	50.4
00:00-01:00	64.8	58.8	58.4	39.2	61.2	66.2
01:00-02:00	63.9	57.5	56.3	39.5	58.6	54.7
02:00-03:00	60.4	55.1	58.7	36.9	63.2	60.9
03:00-04:00	59.8	51.0	57.0	36.2	51.2	59.4
04:00-05:00	57.3	50.9	55.3	41.4	64.1	69.3
05:00-06:00	60.2	54.5	58.0	50.0	58.4	58.0

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

Observations: 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 - 12 - CG - 1 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-2023 to September-2023

Sampling Location	12 - CG - 1					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	07.04.2023 & 08.04.2023	08.05.2023 & 09.05.2023	08.06.2023 & 09.06.2023	07.07.2023 & 08.07.2023	18.08.2023 & 19.08.2023	18.09.2023 & 19.09.2023
6:00-7:00	56.9	58.6	50.1	61.6	68.2	69.9
7:00-8:00	61.1	56.9	52.0	58.8	73.8	70.3
8:00-9:00	62.7	61.1	51.9	59.3	71.4	64.2
9:00-10:00	58.3	62.7	52.4	60.8	68.9	61.0
10:00-11:00	58.1	58.3	52.4	58.1	63.8	63.8
11:00-12:00	57.6	58.1	52.7	56.3	65.3	65.3
12:00-13:00	68.7	68.7	52.2	54.7	68.4	59.2
13:00-14:00	70.0	70.0	52.9	53.6	70.2	71.6
14:00-15:00	67.4	67.4	52.4	52.2	53.6	55.9
15:00-16:00	68.6	68.6	50.5	50.2	54.2	57.8
16:00-17:00	68.8	68.8	48.8	45.7	51.2	53.6
17:00-18:00	71.2	71.2	48.1	62.2	53.8	50.9
18:00-19:00	61.3	61.3	48.9	59.0	56.3	62.8
19:00-20:00	60.8	60.8	46.3	57.5	58.4	58.1
20:00-21:00	58.6	58.6	45.5	54.9	50.2	60.9
21:00-22:00	56.6	56.6	46.8	53.9	53.2	56.6
22:00-23:00	54.4	54.4	47.0	53.1	51.2	68.2
23:00-00:00	52.2	52.2	44.0	51.0	48.7	50.6
00:00-01:00	50.1	50.1	46.4	46.6	53.2	61.4
01:00-02:00	46.1	46.1	49.1	43.7	62.1	57.7
02:00-03:00	45.4	45.4	51.2	43.6	53.0	56.1
03:00-04:00	42.5	42.5	50.3	44.1	54.2	58.2
04:00-05:00	42.1	42.1	48.4	48.0	59.8	63.8
05:00-06:00	46.9	46.9	49.9	50.6	64.5	69.8

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

# KADAM ENVIRONMENTAL CONSULTANTS

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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 April-2023 to September-2023

Sampling Location	13 - Behind Boundary of GCPTL					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	05.04.2023 & 06.04.2023	04.05.2023 & 05.05.2023	05.06.2023 & 06.06.2023	05.07.2023 & 06.07.2023	16.08.2023 & 17.08.2023	21.09.2023 & 22.09.2023
6:00-7:00	59.3	58.9	62.4	59.7	58.6	61.2
7:00-8:00	57.6	60.6	60.6	58.4	63.5	59.8
8:00-9:00	56.9	61.5	61.5	58.5	68.3	55.3
9:00-10:00	62.0	58.7	59.9	63.7	64.5	60.4
10:00-11:00	56.4	59.4	58.0	60.7	54.2	54.2
11:00-12:00	54.8	58.0	60.7	58.6	62.3	65.2
12:00-13:00	54.2	60.4	60.8	57.8	68.5	61.7
13:00-14:00	54.7	60.5	60.5	60.7	62.5	60.8
14:00-15:00	58.5	60.9	60.9	59.5	58.7	53.3
15:00-16:00	62.2	64.1	64.1	59.3	60.2	64.6
16:00-17:00	59.6	64.7	64.7	57.9	60.2	66.0
17:00-18:00	60.5	61.1	61.1	57.2	58.2	64.2
18:00-19:00	59.7	61.3	61.3	58.5	65.2	57.9
19:00-20:00	60.5	63.0	63.0	57.4	68.5	70.7
20:00-21:00	59.7	62.8	62.8	57.3	70.2	65.9
21:00-22:00	58.9	62.0	62.0	59.6	59.6	56.7
22:00-23:00	56.6	61.0	61.0	60.4	66.8	66.8
23:00-00:00	55.4	55.5	55.5	59.7	64.2	67.2
00:00-01:00	58.4	56.4	56.4	57.0	68.4	61.9
01:00-02:00	56.3	59.5	59.5	57.1	60.5	57.2
02:00-03:00	58.7	59.5	59.5	59.2	54.6	51.2
03:00-04:00	57.0	59.4	59.4	61.9	47.6	66.0
04:00-05:00	55.3	59.9	59.9	60.5	49.1	60.2
05:00-06:00	58.0	60.0	60.0	59.6	58.4	55.6

\*dB(A) Leq, denotes the time weighted average of the level of sound in decibels on scale A which is referable 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 April-2023 to September-2023**

Sampling Location	14 - Lakhi Village (Below Conveyer Belt)					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	12.04.2023 & 19.04.2023	15.05.2023 & 16.05.2023	16.06.2023 & 17.06.2023	13.07.2023 & 14.07.2023	16.08.2023 & 17.08.2023	21.09.2023 & 22.09.2023
6:00-7:00	56.9	46.6	56.4	53.7	48.5	55.6
7:00-8:00	57.8	41.4	52.0	48.5	53.2	53.2
8:00-9:00	59.3	50.0	51.9	46.7	56.3	59.7
9:00-10:00	56.2	54.0	52.4	45.4	54.8	60.8
10:00-11:00	54.0	57.8	49.1	47.0	56.2	66.2
11:00-12:00	58.7	59.3	51.2	50.4	48.2	51.9
12:00-13:00	58.3	56.2	52.6	57.9	63.5	65.7
13:00-14:00	58.1	54.1	52.9	58.7	54.2	54.2
14:00-15:00	57.1	58.7	52.4	57.1	58.6	59.8
15:00-16:00	58.4	58.3	50.5	58.7	53.6	57.6
16:00-17:00	57.8	58.1	48.8	57.8	49.2	66.2
17:00-18:00	57.0	57.1	48.1	57.2	50.2	59.9
18:00-19:00	56.0	58.4	48.9	54.1	65.2	62.6
19:00-20:00	56.1	57.8	46.3	53.4	49.5	56.9
20:00-21:00	55.3	57.0	45.5	53.5	52.4	58.2
21:00-22:00	53.3	56.0	47.2	53.6	48.2	61.2
22:00-23:00	42.3	56.1	46.1	53.0	52.3	64.3
23:00-00:00	40.0	55.3	44.0	54.1	50.2	59.9
00:00-01:00	39.2	53.3	46.4	54.9	49.8	70.8
01:00-02:00	39.5	42.3	49.1	54.0	46.1	65.2
02:00-03:00	36.9	40.0	51.2	53.3	54.2	68.5
03:00-04:00	36.2	39.2	52.6	52.3	56.8	56.8
04:00-05:00	41.4	39.5	54.2	52.3	51.3	50.3
05:00-06:00	50.0	36.9	49.9	48.1	58.4	55.5

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

Observations/below given Results are within the specified norms as per The Noise Pollution (Regulation and Control) Rules 2000.

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## ENVIRONMENTAL MONITORING REPORT

### 36. 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 April-2023 to September-2023

Sampling Location	15 - JS - 1 (Nr.Lakhigam)					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	10.04.2023	11.05.2023	12.06.2023	10.07.2023	10.08.2023	25.09.2023
	& 11.04.2023	& 12.05.2023	& 13.06.2023	& 11.07.2023	& 11.08.2023	& 26.09.2023
6:00-7:00	67.8	69.4	62.4	60.4	65.2	60.9
7:00-8:00	71.1	67.8	60.6	57.6	68.6	53.4
8:00-9:00	72.3	71.1	61.5	56.9	63.5	66.6
9:00-10:00	68.9	72.3	59.1	58.2	61.2	64.9
10:00-11:00	59.0	68.9	61.0	56.4	65.3	59.2
11:00-12:00	60.9	59.0	62.8	54.8	60.2	52.3
12:00-13:00	62.4	62.4	60.4	54.2	62.4	60.1
13:00-14:00	61.7	61.7	60.5	54.7	67.6	57.1
14:00-15:00	58.1	58.1	60.9	58.5	65.3	61.3
15:00-16:00	57.3	57.3	64.1	62.2	69.0	54.2
16:00-17:00	54.1	54.1	64.7	59.6	63.2	58.1
17:00-18:00	51.9	51.9	61.1	60.5	58.5	54.4
18:00-19:00	50.0	50.0	61.7	59.7	60.1	59.0
19:00-20:00	48.0	48.0	62.8	60.5	59.2	66.9
20:00-21:00	47.2	47.2	62.8	59.7	68.5	70.3
21:00-22:00	46.6	49.6	62.0	58.9	60.2	68.4
22:00-23:00	46.1	48.1	61.0	56.6	56.7	64.6
23:00-00:00	49.5	49.5	55.5	53.1	53.4	55.3
00:00-01:00	54.0	54.0	56.4	58.4	60.2	59.2
01:00-02:00	58.2	58.2	59.5	56.3	61.3	65.4
02:00-03:00	60.7	60.7	59.5	58.7	58.2	60.9
03:00-04:00	62.2	62.2	59.4	57.0	60.2	51.7
04:00-05:00	69.7	59.7	59.9	55.3	59.8	57.3
05:00-06:00	68.8	57.8	60.0	58.0	63.5	63.5

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

Observations: 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

### 36. 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 April-2023 to September-2023

Sampling Location	16 - JS - 2					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	12.04.2023 & 13.04.2023	15.05.2023 & 16.05.2023	16.06.2023 & 17.06.2023	13.07.2023 & 14.07.2023	10.08.2023 & 11.08.2023	25.09.2023 & 26.09.2023
6:00-7:00	52.4	54.8	74.8	62.4	63.5	60.9
7:00-8:00	50.1	52.5	73.3	60.6	68.2	51.2
8:00-9:00	52.0	57.9	73.4	61.5	65.3	68.5
9:00-10:00	51.9	49.8	73.9	62.1	69.7	69.8
10:00-11:00	51.4	56.5	73.6	59.4	71.4	70.5
11:00-12:00	51.9	56.1	73.6	58.0	74.6	66.3
12:00-13:00	52.7	55.6	72.5	60.4	72.9	58.2
13:00-14:00	52.9	56.5	66.5	60.5	68.5	68.5
14:00-15:00	52.4	55.5	65.4	60.9	69.3	64.7
15:00-16:00	50.5	54.4	74.4	64.1	72.5	70.1
16:00-17:00	48.8	55.6	74.1	64.7	70.6	61.2
17:00-18:00	48.1	55.0	73.6	61.1	73.4	66.4
18:00-19:00	48.9	53.4	72.2	61.3	65.8	58.2
19:00-20:00	46.3	55.8	72.1	63.0	69.8	59.9
20:00-21:00	45.5	59.0	71.3	62.8	70.6	64.8
21:00-22:00	42.8	58.0	74.7	62.0	72.6	55.6
22:00-23:00	43.0	56.5	74.4	61.0	68.7	65.1
23:00-00:00	44.0	54.4	68.9	55.5	65.5	62.7
00:00-01:00	46.4	48.5	68.8	56.4	62.1	58.4
01:00-02:00	49.1	37.9	63.0	59.5	57.8	52.9
02:00-03:00	51.2	36.9	68.8	59.5	59.1	48.4
03:00-04:00	52.6	39.5	66.0	59.4	56.4	51.3
04:00-05:00	54.2	36.9	67.9	59.9	60.2	56.7
05:00-06:00	49.9	40.2	67.0	60.0	62.1	60.1

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

Observations/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

### 36. 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 April-2023 to September-2023

Sampling Location	17 - Silo Loading Point					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	21.04.2023 & 22.04.2023	29.05.2023 & 30.05.2023	26.06.2023 & 27.06.2023	27.07.2023 & 28.07.2023	07.08.2023 & 08.08.2023	27.09.2023 & 28.09.2023
6:00-7:00	58.2	54.9	57.8	45.4	65.3	61.2
7:00-8:00	56.5	64.9	59.3	41.8	66.4	70.6
8:00-9:00	56.8	65.7	56.2	43.3	63.5	66.8
9:00-10:00	56.0	54.7	51.0	45.6	65.8	62.1
10:00-11:00	65.4	54.9	56.6	45.9	62.3	59.6
11:00-12:00	69.6	57.0	57.9	50.6	61.5	70.8
12:00-13:00	71.2	58.0	57.4	47.3	61.5	57.5
13:00-14:00	72.9	58.3	58.0	48.1	69.8	63.8
14:00-15:00	70.3	58.3	57.7	50.0	60.5	64.2
15:00-16:00	73.1	59.8	56.5	50.8	69.5	57.2
16:00-17:00	72.4	59.8	55.8	51.0	53.0	59.4
17:00-18:00	69.1	58.9	56.7	50.8	58.4	66.7
18:00-19:00	65.3	58.0	56.0	50.9	74.5	70.0
19:00-20:00	62.9	59.9	56.1	51.0	60.5	67.8
20:00-21:00	61.4	61.9	55.3	49.1	51.7	57.3
21:00-22:00	58.7	60.9	53.3	39.6	60.2	60.2
22:00-23:00	61.5	58.3	42.3	36.0	52.3	55.6
23:00-00:00	62.5	58.3	40.0	35.1	48.6	58.2
00:00-01:00	63.7	56.7	39.2	40.0	45.7	61.9
01:00-02:00	60.3	55.6	39.5	42.7	54.2	54.2
02:00-03:00	60.1	54.7	36.9	44.4	48.2	51.3
03:00-04:00	56.8	54.3	36.2	46.3	49.5	49.5
04:00-05:00	59.1	53.9	41.4	42.2	50.2	57.6
05:00-06:00	58.6	54.4	50.0	37.2	58.4	55.2

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

Observations: 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

### 36. 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 April-2023 to September-2023

Sampling Location	18 - Railway Dead End					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	19.04.2023	25.05.2023	23.06.2023	24.07.2023	07.08.2023	27.09.2023
	& 20.04.2023	& 26.05.2023	& 24.06.2023	& 25.07.2023	& 08.08.2023	& 28.09.2023
6:00-7:00	42.9	48.6	53.1	41.4	58.1	59.1
7:00-8:00	41.8	43.5	52.0	50.0	56.3	62.5
8:00-9:00	43.3	45.5	51.9	54.0	62.5	66.4
9:00-10:00	45.6	46.6	52.4	57.8	58.6	60.1
10:00-11:00	42.8	50.2	52.3	59.3	60.1	54.8
11:00-12:00	44.7	54.9	51.6	56.2	51.7	59.7
12:00-13:00	47.3	65.3	52.7	54.1	56.2	56.2
13:00-14:00	48.1	56.0	52.9	60.6	58.4	58.4
14:00-15:00	50.0	57.4	52.4	58.7	59.4	61.8
15:00-16:00	50.8	54.2	50.5	58.3	60.2	63.5
16:00-17:00	51.0	54.9	48.8	58.1	56.3	57.8
17:00-18:00	50.8	56.0	48.1	57.1	63.5	67.9
18:00-19:00	50.9	54.2	48.9	58.4	64.2	66.4
19:00-20:00	51.0	53.0	46.3	57.8	67.3	68.6
20:00-21:00	49.1	63.6	45.5	57.0	51.2	57.4
21:00-22:00	39.6	47.8	46.8	56.0	54.9	61.2
22:00-23:00	36.0	43.2	47.0	56.1	63.5	63.5
23:00-00:00	37.1	41.6	44.0	55.3	49.5	60.8
00:00-01:00	40.0	39.7	46.4	53.3	58.1	58.1
01:00-02:00	42.7	39.9	49.1	42.3	63.5	63.5
02:00-03:00	44.4	38.0	51.2	40.0	58.4	56.9
03:00-04:00	46.3	36.5	52.6	39.2	54.2	61.8
04:00-05:00	52.2	36.3	54.2	39.5	65.2	65.2
05:00-06:00	37.2	38.2	49.9	36.9	57.2	57.2

\*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.

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(MoEF Approved)

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

Phone : (O) 0265 - 6131000, 6131001



## ENVIRONMENTAL MONITORING REPORT

### 36. 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 April-2023 to September-2023

Sampling Location	19 - Loco Shed					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	14.04.2023	18.05.2023	19.06.2023	17.07.2023	03.08.2023	29.09.2023
	& 15.04.2023	& 19.05.2023	& 20.06.2023	& 18.07.2023	& 04.08.2023	& 30.09.2023
6:00-7:00	58.4	46.9	74.2	53.6	74.2	59.1
7:00-8:00	57.6	41.8	73.6	51.0	72.5	55.7
8:00-9:00	58.9	43.3	73.3	51.2	65.3	69.2
9:00-10:00	62.0	45.6	72.1	54.6	68.1	70.8
10:00-11:00	56.4	48.8	71.6	55.3	60.5	67.7
11:00-12:00	54.8	46.2	73.5	57.9	77.1	71.3
12:00-13:00	54.2	47.3	74.1	58.7	71.4	60.5
13:00-14:00	54.7	48.1	74.3	57.1	73.0	58.8
14:00-15:00	58.5	50.0	73.8	58.7	64.5	68.1
15:00-16:00	62.2	50.8	73.9	57.8	68.5	65.4
16:00-17:00	59.6	51.0	73.3	57.2	63.1	50.9
17:00-18:00	60.5	50.8	74.4	52.5	66.8	57.7
18:00-19:00	59.7	50.9	74.8	54.0	56.2	53.1
19:00-20:00	60.5	51.0	74.7	52.1	68.4	52.6
20:00-21:00	59.7	49.1	74.6	50.6	69.5	56.3
21:00-22:00	58.9	39.6	74.4	52.4	58.6	54.0
22:00-23:00	56.6	36.0	74.7	53.4	60.2	61.4
23:00-00:00	55.4	34.9	66.0	52.6	58.4	50.4
00:00-01:00	58.1	40.0	68.8	47.9	54.6	66.2
01:00-02:00	56.3	42.7	67.7	41.8	59.1	48.1
02:00-03:00	58.7	44.4	64.5	40.9	61.4	60.9
03:00-04:00	57.0	46.3	66.9	41.6	66.2	64.2
04:00-05:00	55.3	52.2	68.7	44.8	69.1	61.8
05:00-06:00	58.0	37.2	63.8	49.8	68.4	58.7

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relative 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 April-2023 to September-2023

Sampling Location	20 - Behind Silo (S-11)					
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23
Date of Monitoring	05.04.2023 & 06.04.2023	04.05.2023 & 05.05.2023	05.06.2023 & 06.06.2023	05.07.2023 & 06.07.2023	03.08.2023 & 04.08.2023	29.09.2023 & 30.09.2023
6:00-7:00	62.9	59.1	58.8	55.2	68.4	60.1
7:00-8:00	60.6	57.6	57.6	56.7	65.4	63.5
8:00-9:00	61.5	56.9	56.9	57.5	69.2	65.3
9:00-10:00	60.6	58.3	62.0	57.8	68.2	71.2
10:00-11:00	59.4	56.4	54.5	59.3	65.1	50.2
11:00-12:00	58.0	54.8	54.8	56.2	63.4	63.4
12:00-13:00	60.4	54.2	54.2	54.1	71.2	61.2
13:00-14:00	60.5	54.7	54.7	60.6	63.5	63.5
14:00-15:00	60.9	58.5	58.5	58.7	59.1	66.2
15:00-16:00	64.1	62.2	62.2	58.3	60.1	60.1
16:00-17:00	64.7	59.6	59.6	58.1	63.5	63.5
17:00-18:00	61.1	60.5	60.5	57.1	65.3	65.3
18:00-19:00	61.3	59.7	59.7	58.4	71.2	71.2
19:00-20:00	63.0	60.5	60.5	57.8	68.5	68.5
20:00-21:00	62.8	59.7	59.7	57.0	63.4	64.2
21:00-22:00	62.0	58.9	58.9	56.0	69.4	66.8
22:00-23:00	61.0	56.6	56.6	56.1	62.3	62.3
23:00-00:00	55.5	55.4	53.8	55.3	60.6	61.0
00:00-01:00	56.4	53.7	58.4	55.5	54.5	50.6
01:00-02:00	59.5	56.3	56.3	57.8	51.2	54.2
02:00-03:00	59.5	58.7	58.7	54.7	58.4	47.4
03:00-04:00	59.4	57.0	57.0	53.6	62.0	55.9
04:00-05:00	59.9	55.3	55.3	53.4	65.4	57.5
05:00-06:00	60.0	58.0	58.0	52.7	64.2	58.2

\*dB(A) Leq denotes the time weighted average of the level of sound in decibels on scale A which is relative 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: April-2023 to September-2023

Sr. No.	Parameters	Unit	May-23				
			30.05.2023				
			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 <sup>3</sup>	47	38	44	51	41
2	Sulphur Dioxide(SO <sub>2</sub> )	ppm	16.04	13.35	14.62	18.05	16.51
3	Oxides of Nitrogen (NO <sub>x</sub> )	ppm	9.4	7.64	8.87	10.36	9.82
4	Carbon Monoxide	mg/Nm <sup>3</sup>	55.56	61.23	49.78	81.82	74.11

Sr. No.	Parameters	Unit	Aug-23				
			31.08.2023				
			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 <sup>3</sup>	43	40	47	50	36
2	Sulphur Dioxide(SO <sub>2</sub> )	ppm	14.58	16.31	13.6	15.29	14.9
3	Oxides of Nitrogen (NO <sub>x</sub> )	ppm	8.2	9.05	7.83	9.28	7.21
4	Carbon Monoxide	mg/Nm <sup>3</sup>	73.05	65.95	70.42	77.4	68.13

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## ENVIRONMENTAL MONITORING REPORT

Table No.: 3H.3 - DG Sets Noise Level Monitoring Results for the period: April-2023 to September-2023

### DG Set Average Noise Level In Leq. dB(A)

Sr. No.	Sampling Location	At 1 m from the enclose outside	
		May-23	Aug-23
		31.05.2023	31.08.2023
1.	D.G.Set (7 B)	74.8	65.4
2.	D.G.Set (SS-5)	69.7	68.2
3.	D.G.Set (SS-7 A)	70.2	60.8
4.	D.G.Set (Marine Building)	65.9	67.8
5.	D.G.Set (SS-11)	71.8	61.0

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

S. No.	EMP Conditions	Compliance Status
<b>A.</b>	<b>ENVIRONMENTAL MANAGEMENT PLAN (CONSTRUCTION PHASE)</b>	
<b>1.1</b>	<b>Air Quality Management Plan</b>	
	Dust suppression systems will be installed for fugitive dust emission control while undertaking civil works.	<b>Complying with.</b> 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.	<b>Complying with.</b> 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.	<b>Complied</b> 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.	<b>Complying with.</b> 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.	<b>Complying with.</b> 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.	<b>Complying with.</b> 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.	<b>Complying with.</b> 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.	<b>Complying with.</b> 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.	<b>Complying with.</b> All DG sets (standby source) are provided with stack height in compliance to the CPCB standards.
<b>1.2</b>	<b>Noise Quality Management Plan</b>	
	DG set with acoustic enclosure will be installed for power supply to construction activities.	<b>Complying with.</b> 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.	<b>Complying with.</b> 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.	<b>Complying with.</b> <ul style="list-style-type: none"> <li>• All construction and operation activities are in compliance with the Noise level Norms.</li> <li>• Monitoring of noise level is being done by M/s Kadam Environment Consultant, NABL accredited, and MoEF&amp;CC recognized laboratory.</li> <li>• Monitoring reports are presented in the <b>Annexure 3G.</b></li> </ul>

S. No.	EMP Conditions	Compliance Status
	Onsite fabrication activities will be undertaken at a designated location, which should be located away from the office buildings and any other working areas.	<b>Complying with.</b> 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.	<b>Complying with.</b> <ul style="list-style-type: none"> <li>• There is no occasion till date for exceeding the noise level at the port boundary.</li> <li>• Persons working in the fabrication yard are provided with PPEs.</li> </ul>
	Portable diesel engine generators and diesel engine driven compressors, if any, will be covered with acoustic enclosures.	<b>Complying with.</b> All noise generating equipment's are provided with acoustic enclosures.
<b>1.3</b>	<b>Sewage Management Plan</b>	
	Sewage generated from the construction site will be treated in existing STP of 27 m <sup>3</sup> capacity.	<b>Complying with.</b> Domestic effluent is being treated in STPs. The treated water confirming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from April 2023 to September 2023 are enclosed as <b>Annexure -3F</b> .
	Treated water will be used for green belt development / landscaping after achieving GPCB prescribed standards.	
<b>1.4</b>	<b>Solid and Hazardous Waste Management Plan</b>	
	Solid waste generated will be segregated at source for biodegradable and non-biodegradable with an option of reuse or recycle before disposal	<b>Complying with.</b> <ul style="list-style-type: none"> <li>• All solid waste is being segregated for biodegradable and non-biodegradable.</li> <li>• Biodegradable waste is being decomposed in vermicomposting yard and other waste is being disposed in compliance to the Solid Waste Management Rules - 2016.</li> </ul>
	All hazardous waste generated will be categorized as per Hazardous Waste Management Rules, 2008.	<b>Complying with.</b> Hazardous waste is being managed in compliance to the Hazardous Waste Management Rules 2016.
	Recycle/Reuse waste will be sold to authorized recyclers	<b>Complying with.</b> Recyclable waste such as used oil, Discarded drum etc. is being sold to authorize recyclers only.
<b>1.5</b>	<b>Construction Phase Storm Water Runoff</b>	
	Existing storm water drainage network will be further strengthened and developed near the project site to prevent surface runoff to the sea.	<b>Complying with.</b> Storm water drainage system has been provided and regular maintenance is being done.
<b>B.</b>	<b>ENVIRONMENTAL MANAGEMENT PLAN (OPERATION PHASE)</b>	
<b>2.1</b>	<b>Air Quality Management Plan - Coal Handling and Stock Yard Area:</b>	
	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.	<b>Complying with.</b> 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	<b>Complying with.</b> All dust control systems are maintained and operating well.

S. No.	EMP Conditions	Compliance Status
	<p>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</p>	<p>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.</p>
	<p>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.</p>	<p><b>Complying with.</b></p> <ul style="list-style-type: none"> <li>• At coal stack yard, 130 sprinklers are maintained and operating well.</li> <li>• Pavement of the additional storage area is completed. Installation of water sprinklers and other DSS measures will be complete before storage of coal.</li> </ul>
	<p>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.</p>	<p><b>Shall be complied.</b></p> <p>APPPL 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;</p> <ul style="list-style-type: none"> <li>➤ Reduction of coal losses in open yard</li> <li>➤ Saves water for dust suppression</li> <li>➤ Improves the living conditions of local residents</li> <li>➤ Improves the working conditions of the on-site staff</li> </ul> <p>Wind break walls have been erected around the coal stock pile 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 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</p> <p>Wind breaker of the same specification shall be provided in the additional storage area once completed.</p>
	<p>Road sweeping of dust is being undertaken using mobile van thereby preventing settled dust gets airborne due to movement of</p>	<p><b>Complying with.</b></p> <p>Road cleaning both inside and outside the port premises is a continuous activity</p>

S. No.	EMP Conditions	Compliance Status
	<p>vehicles and high wind velocity and the same is recommended.</p> <p>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.</p>	<p>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"> <li>• <b>Road cleaning by sweeping machine:</b> 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.</li> <li>• <b>Manual Road Cleaning:</b> In addition to the sweeping machine APDPL has employed labour for continuous cleaning of roads both inside and outside the port area. It is done by three team consisting of 5 members each. All the coal dust collected is sent to the coal yard.</li> </ul>
	<p>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.</p>	<p><b>Complying with.</b> Sprinkling of water is being done on the roads to control the dust.</p>
<b>2.2</b>	<b>Noise Control Management Plan</b>	
	<p>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>	<p><b>Shall be complied.</b> Mechanization of the south jetty is yet to be done.</p>
	<p>DG sets installed in open area will be provided with acoustic enclosure</p>	<p><b>Complying with.</b> DG sets installed in open area are provided with acoustic enclosure</p>
	<p>Compressors and Diesel generators and pump house will be installed in separate building provided with noise absorbing materials on the walls</p>	<p><b>Complying with.</b> Compressor and DG sets &amp; Pump house are installed in separate building and provided with acoustic enclosures.</p>
	<p>Movement of vehicles within the port will be restricted with speed control measures</p>	<p><b>Complying with.</b></p> <ul style="list-style-type: none"> <li>• Speed is limited within the port premises.</li> <li>• Proper signage also provided within the premises.</li> </ul>
	<p>Using silent exhaust pipes for major diesel engine vehicles and heavy trucks operated inside the port</p>	<p><b>Complying with.</b> All major diesel engine vehicles and heavy trucks operated inside the port are with silent exhaust.</p>
	<p>Planting trees which act as barrier to arrest dispersion of noise levels along the internal roads and port boundary</p>	<p><b>Complying with.</b> Green belt is being developed in an area of 25.27 Ha. including periphery of the project boundary. The green belt has been</p>

S. No.	EMP Conditions	Compliance Status
		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	<b>Complying with.</b> 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	<b>Complying with.</b> 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.
<b>2.3</b>	<b>Storm Water Management Plan</b>	
	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"> <li>• Reclamation of 23 Ha back up area</li> <li>• Coal stockpile development of 7.7 Ha area</li> <li>• Railway siding area</li> </ul>	<b>Complying with.</b> 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"> <li>• 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.</li> </ul>	<b>Complied with.</b> Runoff from the coal storage is being routed through dump pond where all the particles settled down.
<b>2.4</b>	<b>Solid &amp; Hazardous Waste Management Plan</b>	
	Port operator will prepare the robust waste management plan for the entire operations, process carried out during operation. As part of the plan, a scavenging boat will be anchored for collection of waste due to windblown into the sea.	<b>Complying with.</b> A waste management plan is in place and a boat is provided to collect the waste blown due to high wind into the sea.
	In addition to the plan, the wastes that are expected to be generated will be disposed accordingly. The hazardous waste generated from the port operation will be disposed as per the HWM Rules 2008.	<b>Complying with.</b> All the wastes are being managed in compliance to the respective waste management rules as amended.
	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.	
<b>2.5</b>	<b>Green Belt Development Plan:</b>	
	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	<b>Complying with.</b> 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



S. No.	EMP Conditions	Compliance Status						
	planted along the coal stacking yards and periphery of port area.	species and species which helps in creating a barrier for coal dust movement.						
	It is proposed to develop further three tier greenbelt to increase efficiency of dust control.							
<b>2.6</b>	<b>Community Development Plan</b>							
	<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><b>Health Promotions Programs</b></p> <ul style="list-style-type: none"> <li>✓ Health Camps and Health Awareness programs on Institutional Births and Immunization programs</li> <li>✓ Mobile Clinic</li> </ul>	<p><b>Complied.</b> 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 <b>Annexure – 8.</b></p>						
	<p><b>Education Promotion Programs</b></p> <ul style="list-style-type: none"> <li>✓ Providing sustenance funds for maintaining School Infrastructure like Drinking water Facilities, Sanitation facilities and providing supplies etc</li> <li>✓ Providing scholarship programs</li> <li>✓ Sport Coaching centre</li> </ul>							
	<p><b>Economic Development Programs</b></p> <ul style="list-style-type: none"> <li>✓ Knowledge centre regarding various government schemes and latest technology</li> <li>✓ Skill Development Training Programs</li> </ul>							
	<p><b>Women Empowerment</b></p> <ul style="list-style-type: none"> <li>✓ Sanitation Promotion Programs</li> <li>✓ Construction and Maintenance of Sanitation complex</li> <li>✓ Awareness Programs</li> </ul>							
	<p><b>Infrastructure development Programs</b></p> <ul style="list-style-type: none"> <li>✓ Developing internal roads of villages</li> <li>✓ Developing drainage systems</li> <li>✓ Solar Street Lights</li> <li>✓ Construction / Maintenance of Community Halls</li> <li>✓ Social Forestry</li> </ul>							
<b>2.7</b>	<p><b>Village Specific Infrastructure Development Programs:</b></p> <table border="1" data-bbox="260 1888 839 2054"> <thead> <tr> <th data-bbox="260 1888 331 1955">S. No.</th> <th data-bbox="331 1888 491 1955">Village</th> <th data-bbox="491 1888 839 1955">Programs</th> </tr> </thead> <tbody> <tr> <td data-bbox="260 1955 331 2054">1.</td> <td data-bbox="331 1955 491 2054">Luvara</td> <td data-bbox="491 1955 839 2054">Developing proper drainage system in the village.</td> </tr> </tbody> </table>		S. No.	Village	Programs	1.	Luvara	Developing proper drainage system in the village.
S. No.	Village	Programs						
1.	Luvara	Developing proper drainage system in the village.						

S. No.	EMP Conditions			Compliance Status
	2.	Dahej	Providing Safe Drinking water Facilities in the schools	
	3.	Dahej	Developing medical facilities in the PHC such as facilities for storage of perishable medicines,	
	4.	Jageshwar	Developing Drainage System	
	5.	Lakhigam	Developing Drainage System	
	6.	Lakhigam Luvara Jageshwar	Developing Solar Street Light and Internal Village Roads	
	7.	Ambetha	Developing Drainage System	
	8.	Study Area Villages	Mobile Clinic providing medical facilities in the villages of the study area by having periodic visits and health camps.	
	9.	Study Area Villages	Developing Safe Drinking facilities at Schools in the study area.	
	10.	Jageshwar	Providing training programs on latest technology of fishing, free fishing equipments and providing vocational training programme for alternate income source.	
<b>2.8</b>	<b>Environmental Management Cell</b>			
	<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><b>Complied.</b> 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 <b>Annexure – 9.</b></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</p>			

S. No.	EMP Conditions	Compliance Status
	submission to GPCB, MoEF Regional Office, Vadodara and New Delhi.	
2.9	<b>Cost Estimates for Environmental Management Plan:</b>	
	The estimated total cost of the proposed project is Rs.464.32 Crores. Under the project, about Rs.173.35 Crores is allocated towards pollution control equipment, implementation of environmental pollution control measures and environmental management programs.	<p><b>Complied.</b></p> <p>Separate budget is allocated for Environmental Management activities.</p> <ul style="list-style-type: none"> <li>• 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. 408 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as <b>Annexure -6.</b></li> </ul>



**CSR DAHEJ**  
**Six Monthly Report 2023 - 24**

# 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**

- ✓ Adopting Government Primary Schools
- ✓ Tutoring Priya Vidyarthi (progressive learners)
- ✓ Arresting dropout rates
- ✓ Collaborating for teachers' capacity building
- ✓ Creating joyful learning spaces

**Project Utthan's Reach**

**2942 students of 12 villages of 12 GPs**

**2772 students of 13 Govt. Schools**

**170 students of Ashramshala Atali**

## Progressive Learners: Upward Movement

Academic Year-2023-24													
S. N.	Name of School	Strength of School	Progressive Learner	Mainstream	Reading			Writing			Numeracy		
					0 to 1	1 to 2	2 to 3	0 to 1	1 to 2	2 to 3	0 to 1	1 to 2	2 to 3
1	Primary School Lakhigam	446	87		75	11	0	52	35	0	66	20	0
2	Primary School Luvara	137	62		15	31	12	9	32	21	6	31	23
3	Primary School Jageshwer	154	28		8	3	0	8	2	0	11	2	0
4	Primary School Ambetha	121	46		11	9	6	9	13	3	5	14	7
5	Kumarshala Dahej	451	74		66	7	0	50	24	0	69	4	0
6	Kanyashala Dahej	420	66		59	0	0	64	0	0	15	0	0
7	Primary School Nava Vadiya	35											
8	Primary School Jolva	170	33		20	0	0	12	18	3	23	1	0
9	Primary School Suva	268	45		25	2	0	20	17	8	23	8	0
10	Primary School Rahiyad	222	66	10	22	18	3	22	19	6	32	18	8
11	Primary School Koliyad	91	50		9	2	0	12	1	0	9	3	0
12	Primary School Vengni	92	38		2	8	9	6	6	9	2	11	5
13	Primary School Kaladara	165	40		21	14	6	20	12	12	18	15	13
14	Ashramshala Atali	170	48		33	12	5	40	9	3	29	15	6
	<b>Total</b>	<b>2942</b>	<b>683</b>	<b>10</b>	<b>366</b>	<b>117</b>	<b>41</b>	<b>324</b>	<b>188</b>	<b>65</b>	<b>308</b>	<b>142</b>	<b>62</b>

## Achievements @ a glance



Coverage: 2942 students of 14 Schools



683 progressive learners covered under reading, writing and numeracy



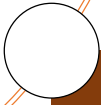
772 students taught English as a 3<sup>rd</sup> language



Home visits: 173, Parents' Meeting: 17, Mothers' Meet: 86



Library books issued to 509 students



509 students covered under E - learning

## Summer Activities

- ✓ Summer activities focused on scholastic (curricular) and co-scholastic (co-curricular) areas.
- ✓ Total - 1154 students of 3<sup>rd</sup> to 6<sup>th</sup> std of 10 Utthan Schools covered during the session.
- ✓ Activities conducted: story writing, sharing story, group reading, crosswords & sudoku, group reading, two-page copy writing, narrate articles, table writing, paper bag making, story writing, sharing story, group reading, crosswords & sudoku, group reading, two-page copy writing, narrate articles, table writing, paper bag making, Dada – Dadi ki varta, globe & atlas, map work activity, demography details, English rhymes, self introduction in English and campus cleaning.



## Days Celebration

- **World Book Day** celebrated on 23<sup>rd</sup> April' 2023 with 2500+ students of Lakhigam, Luvara, Dahej, Jolva, Rahiyad, Suva, Atali, Vengni and Kaladra Primary Schools Oath for Reading 25 books by World Book Day 2024
- **Gautam Adani Sir's Birthday** was celebrated with 162 students and 5 teachers of Primary School of Punpunjiya village of Mauza Panchayat (tribal area) where teachers and students sang a very nice birthday song. The School students were given sports materials by Adani Foundation
- Independence day celebrated in all 14 Utthan Schools. Ex army man's wife honored at Vengni School.
- National Sports Day celebrated with 553 students of 7 schools on 29<sup>th</sup> August to mark the birth anniversary of the legendary Indian hockey player Major Dhyan Chand.
- Dr. Priti Adani Ma'am's Birthday celebrated in Utthan schools. Students sent her cards.



## Community Health

### SDG Alignment: 3/3.3, 3.8

#### Goal 1. End poverty in all its forms everywhere

3.3 By 2030, end the epidemics of AIDS, tuberculosis, malaria and neglected tropical diseases and combat hepatitis, water-borne diseases and other communicable diseases.

3.8 Achieve universal health coverage, including financial risk protection, access to quality essential health-care services and access to safe, effective, quality and affordable essential medicines and vaccines for all

Adani Foundation celebrated **Mother's Day** with mothers and children of 3 tribal villages: Pada, Machhmadi and Mauza in association with Health Department and Women and Child Development. 52 mothers and 25 children participated in this day celebration. CHO of Umadabra sub centre, Kinjalben explained the importance of health and hygiene. She also explained the importance of outdoor games for children and 7 steps of hand washing through activities. After that mothers cut the cake. On this occasion Adani Foundation distributed sports items among the children.



**Kishori Utkarsh Pahel (KUP)**'s 1<sup>st</sup> kick off meeting was organized with schoolteachers of Netrang taluka. KUP is an awareness program designed for adolescent girls' health, nutrition, life skills, rights and Govt. schemes. KUP is District Administration's CSR initiative. This will be implemented in all 78 villages of Netrang taluka of Bharuch District. AF will fund the program and it would be implemented by CSR BOX of Bharat cares. In 1<sup>st</sup> phase, program would be launched in 39 villages of Netrang taluka.

### Pradhan Mantri Jan Aarogya Yojna (PMJAY)

58 beneficiaries of 2 villages get registered under PMJAY. They will get an insurance cover of Rs.10 lacs

S. N.	Village	No. of beneficiaries
1	Anjoli	33
2	Vengni	25
<b>TOTAL</b>		<b>58</b>

# SUSTAINABLE LIVELIHOOD DEVELOPMENT

## 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

### KEY HIGHLIGHTS

#### Countable Highlights: April to September-2023

S. N	Particulars	Nos
1	Total Villages Covered	30
2	No of Families Benefitted (Direct)	101
3	No of Artificial Inseminations (Cow +Buffalo)	276
4	No of Conform Pregnancy (Cow + Buffalo)	147
5	No of Female Calves Born (Cow +Buffalo)	78
6	No of male Calves Born (Cow +Buffalo)	10
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

#### IMPACT OF CATTLE BREEDING PROGRAM

Sr.	Particular	Amount Rs.	Remarks
1	Calving of 04 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 <b>total 7000</b> litters of milk which is being sold @ Cow Rs. 35 & Buffalo 55/litter	3,05,000	Annexer-01
2	Total 78 female calves are born in project villages whose age wise valuation as Asset Value is in attached sheet.	5,16,000	Annexer-01
3	Total 10 Male calves are born in project villages whose age wise valuation as Asset Value is in attached sheet.	10,000	Annexer-02
4	Promotion of Fodder varieties of BNH-10 Fodder Production 204.7 Tone	4,80,110	Annexure -03
5	Employment created for <b>42</b> families through dairy farming. Assuming average Monthly Income from each Families will be <b>Rs.6000/-</b> .@ 06-month Total Income <b>Rs. 36000/-</b> from these 42 Families will be <b>Rs.15,12,000/-</b>	15,12,000	
	<b>Total Rs.</b>	<b>28,23,110</b>	



**ANNEXURE 1**

**Created Female Asset Value Report Period: - April to September-2023**

S.N	Age (Month)	No of Female			Market Rate Rs.	Total Asset Value INR	Remark
		Cows	Buffalo	Total			
1	0 to 6	27	51	78	2,000	1,56,000	
2	6 to 12	-	-	-	6,000	-	
3	12 to 18	-	-	-	15,000	-	
4	18 to 36	-	-	-	20,000	-	
5	36 above	-	-	-	25,000	-	
6	Progeny AI	2	3	5	30,000	1,50,000	Cow 25000 INR + Buffalo 30000 INR
7	Progeny Pregnant	-	-	-	37,500	-	Cow 35000 INR+ Buffalo 40000 INR
8	Progeny Calving	2	2	4	52,500	2,10,000	Cow 45000 INR + Buffalo 60000 INR
<b>Total</b>		<b>31</b>	<b>56</b>	<b>87</b>		<b>5,16,000</b>	

**Born Progeny Production Parameter Period:- April to Sept- 2023**

S. N	Animal Species	No. Animal In production	Average milk Production in lactation	Average milk Production in litter	Rate of milk	Total Production	Remark
1	Cow	2	2000	4000	35	1,40,000	
2	Buffalo	2	1500	3000	55	1,65,000	
<b>Total</b>		<b>4</b>	<b>3500</b>	<b>7000</b>		<b>3,05,000</b>	

**Male Asset Value Report Period: - April to September-2023**

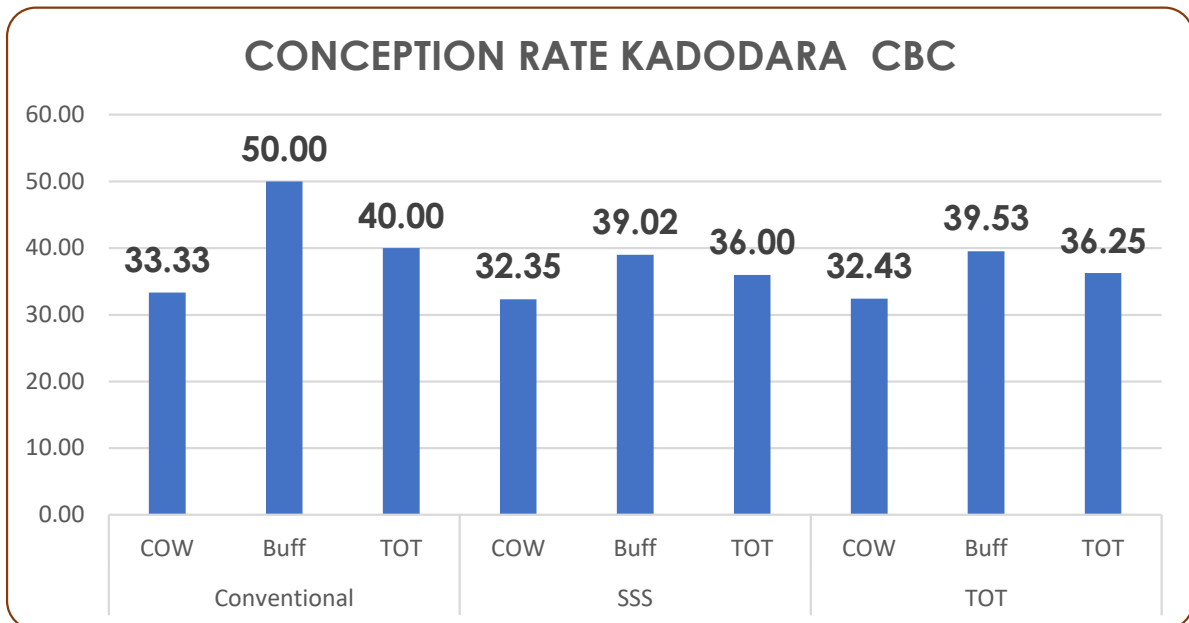
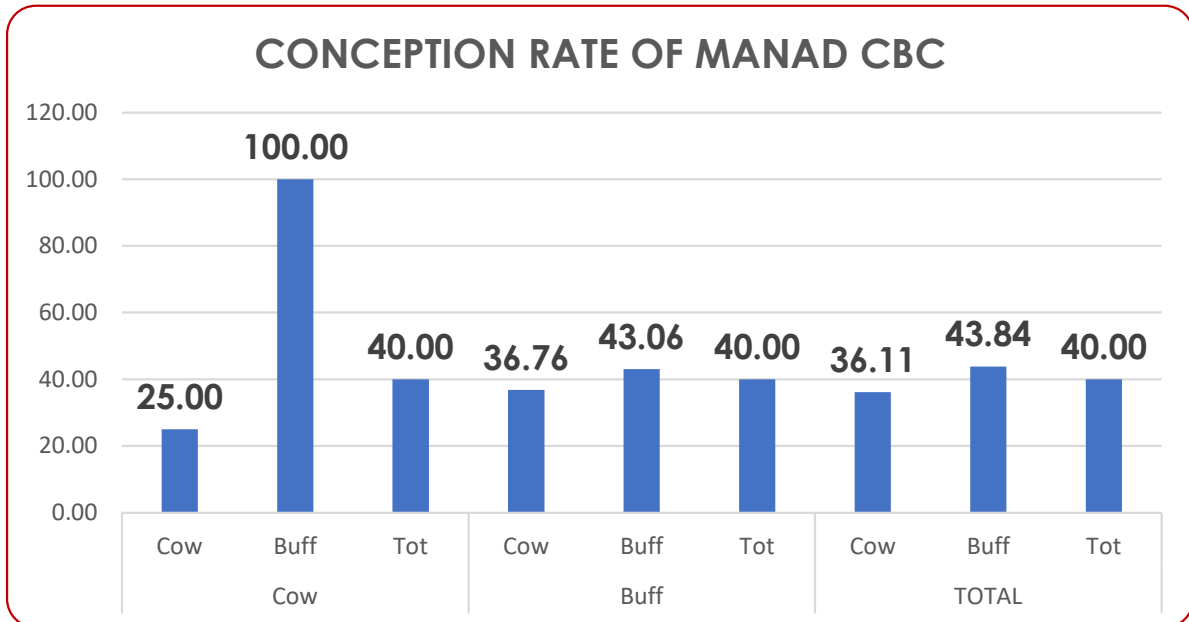
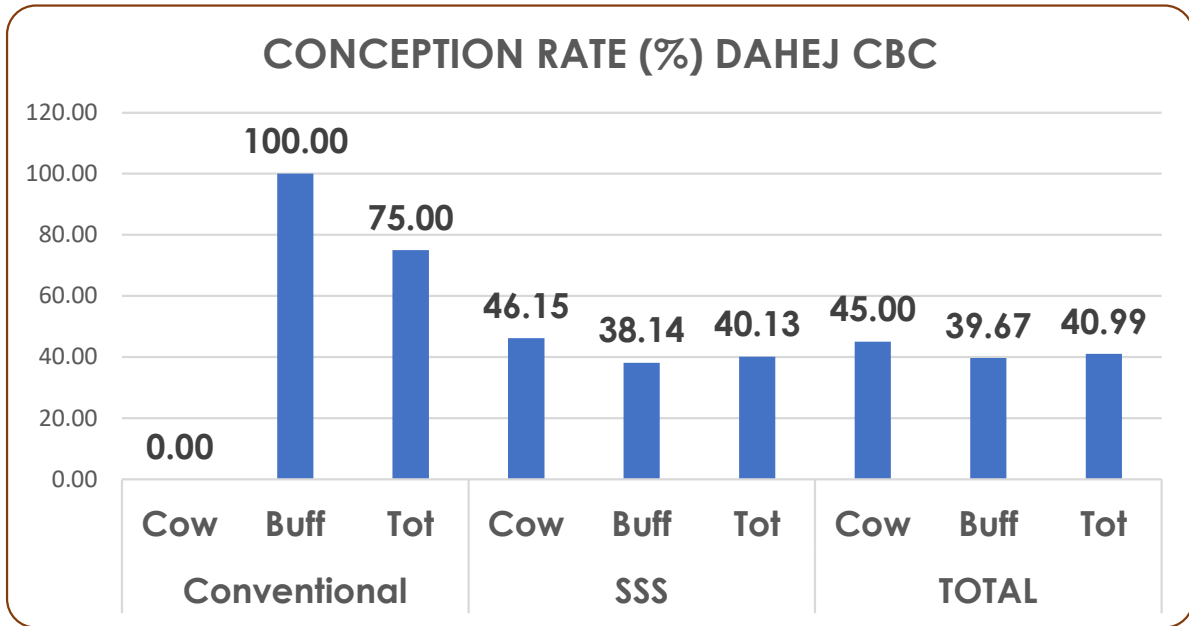
S. N	Age (Month)	No of male			Market Rate Rs.	Total Value Rs.	Remark
		Cows	Buffalo	Total			
1	0 to 6	06	04	10	1,000	10,000	
2	6 to 12	-	-	-	2,000	-	
3	12 to 18	-	-	-	5,000	-	
4	18 to 36	-	-	-	8,000	-	
5	36 to 48	-	-	-	15,000	-	
6	48 TO 60	-	-	-	25,000	-	
<b>Total</b>		<b>06</b>	<b>04</b>	<b>10</b>	<b>-</b>	<b>10,000</b>	

<b>Green Fodder Production Report, Period: April to September-23</b>					
<b>Sr No</b>	<b>Number of Beneficiary</b>	<b>No of Village</b>	<b>Total Production in Ton</b>	<b>Market Rate Per Ton INR</b>	<b>Total Value INR</b>
1	104	20	204.7	2200 to 3500/	<b>4,80,110</b>
<b>Total</b>	<b>104</b>	<b>20</b>	<b>204.7</b>		<b>4,80,110</b>

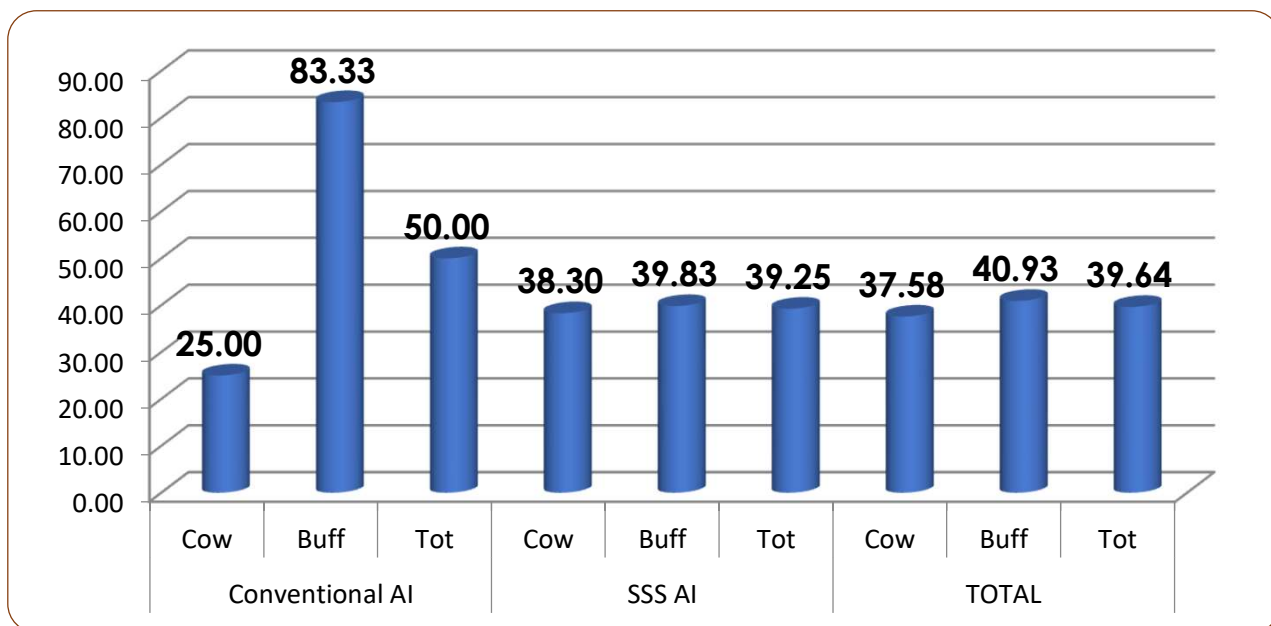
<b>Insemination</b>	<b>Dahej CBC</b>	<b>Manad CBC</b>	<b>Kadodara CBC</b>	<b>TOTAL</b>
<b>Artificial</b>	37	27	53	114
<b>Sex Sorted Semen</b>	55	57	48	160
<b>PD</b>	66	58	29	153
<b>Calving</b>	58	10	18	82
<b>Vaccination</b>	1605	1212	530	3347
<b>Conception Rate (cow)</b>	45	36.11	32.43	37.58
<b>Conception Rate (Buffalo)</b>	39.67	43.84	39.53	40.93

- Total 274 inseminations were done out of which 100 inseminations were done in cows and 177 inseminations were done in buffaloes.
- Total 114 conventional inseminations and 160 sex sorted inseminations were done
- Total 13 animals were examined for conform pregnancy out of which 7 were cows and remaining 6 were buffaloes.
- Total 7 cows are found conform pregnant out of 7 examined.
- Total 5 buffaloes are found conform pregnant out of 6 examined.
- Total 302 animals were examined for conform pregnancy out of which 111 were cows and remaining 191 were buffaloes.
- Total 54 cows are found conform pregnant out of 111 examined
- Total 92 buffaloes are found conform pregnant out of 191 examined.
- Conception rate for conventional semen is 50%.
- Conception rate for SSS is 39.25%
- During the year total 86 calving are reported out of which 33 are in cows and remaining 53 are reported in buffaloes.
- Total 20 calving are reported in animals who became pregnant after use of conventional semen out of which 12 calving are reported in cows and 8 are in buffalo.
- Total 66 calving are reported in animals who became pregnant after use of Sex Sorted semen out of which 21 calving are reported in cows and 45 are in buffalo.
- Total 29 animals were sold during the year who became pregnant
- Total 89 animals in were selected out of which 78 were buffaloes and 11 were cows, as per the standard protocol of Heat synchronization hormonal injections were given and insemination was done.
- Total 957 kg mineral mixture was distributed during to 474 livestock holding families of after insemination as well as during training program for better productivity and fertility
- total 3347 animals were vaccinated for Hemorrhagic Septicemia (HS). Vaccination was done in 20 project villages where 3080 buffaloes and 267 cows were vaccinated.
- 12 training programs were organized in villages of Manad and Kadodara CBC with 346 beneficiaries including 147 females. Total 109 tribal participants

## CONCEPTION RATE



## CONCEPTION RATE



<b>Linkage with Animal Husbandry Schemes</b>		
<b>Village</b>	<b>Scheme</b>	<b>No.of Beneficiaries</b>
22	Dan Sahay Yojana	253
2	Chaff Cutter	2
2	3000 Stipend	3
		<b>258</b>

## PROJECT ANNAPURNA

### Farmers Group Formation

4 farmers' groups formed in 3 project villages Vengni, Koliyad and Kaladara. These groups are registered under ATMA project.

S.N	Village	Group Name	No. of Members
1	Vengni	Dhartiputra Farmers Group, Vengni	15
2	Vengni	Bhumiputra Farmers Group, Vengni	15
3	Koliyad	Mahadev Farmers Group, Koliyad	15
4	Kaladara	Farmers Group Farm, Kaladara	15

### Farmers' Training & Exposure Visit

- 3 nos. of trainings were held with 175 farmers of Vagra and Netrang taluka –

S.N	Village	No. of Participants	Topic Covered	Immediate Outcome
1	Vengni	29	Green Manure	• 4 farmers applied in the field
2	Kaladara	53	Natural farming	
3	Netrang	63	Natural farming	

50 farmers of Vagra Taluka went on 4 days exposure visit to Navsari Agriculture University. This visit was organized under the ATMA Project on natural farming.

**Outcome: 3 farmers (Vengni: 2 and Koliyad: 1) are preparing JIWAMRIT after the exposure.**

### Linkage with Govt. Schemes

Under the **Soil health card scheme** 20 farmers of 2 villages Vengni and kaladara get benefited.

In Farm School activity of ATMA Project Vengni village 25 nos. farmers got calcium feed supplement for animals.

S.N	Scheme	Ben. Enrolled
1	National Food Security Mission	246
2	Soil Health Card	20
3	Krishi Vai Vidhya Karan Yojna	63
4	I- Khedut Portal	5

## Suva Gaushala: An Integrated Model

Suva Gaushala is being developed as an integrated model of animal husbandry, fodder development and cow-based products. AF has supported machineries for making pots, diyas, idols from cow dung.

To explore the market of such products in Gujarat and good resource agency/trainers for training to SHG members and youths involved in Gaushala, AF team participated in Gau Tech Expo 2023 held in Gujarat from 24<sup>th</sup> to 28<sup>th</sup> May 2023 organized by Global Federation of Cow Based industries. 3 trainers identified from this expo. These trainers Mr. Sanjaybhai Dave, Mr. Jayeshbhai Patel and Mr. Hirenbhai Ramavat of Anmol Guamay Products, Jamnagar imparted **trainings from 1<sup>st</sup> to 3<sup>rd</sup> June 2023** on

- ✓ Operation and maintenance of machineries
- ✓ Different products from cow dung: diya making, pot making, sambhrani cups, Lord Ganesha, chips etc.
- ✓ Operational cost of gaushala & how to make the gaushala as a self – sufficient unit
- ✓ **Suva Gaushala got an order of 9150 diyas from District Rural Development Agency, Bharuch. Senior officials of DRDA and RSETI placed the order after their visit to gaushala.**



E- shram Card		
S. N	Village	No. of Beneficiaries
1	Bhangoria	6
2	Kavachiya	41
3	Mahudikhach	35
4	Navi Jamuni	12
5	Umbadabra	11
		<b>105</b>

## Support to PVTG: Entrepreneurship Model

### Machineries Support

- To make the group Jaidevmogra Maa Group Hathakundi more strengthen AF extended their support by providing different machineries for bamboo cutting, polishing, toolboxes on 15<sup>th</sup> May 2023. These help group members and other youths of Hathakundi village to make market competitive products with good quality and finishing. Now they save their time and energy in bamboo string cutting and their income is gradually enhanced.
- With support of AF, District Industry Centre reached Hathakundi – organized training for registration under Hastkala Setu Yojna. They also issued ARTISAN CARDS to Kotwalias which was a distant dream for them. Till date 146 Kotwalias got the cards – 136 of Hathakundi and 9 of Pingot.



### Self Help Group - Achievements April to September 2023

S. N	Group	Members	Type of Business	Monthly Saving (In Rs.)	Total Savings	Monthly income (In Rs.)	Income
1	Shiv Shakti Sakhi Mandal, Jageshwar village	10	Bag making & Apparel unit	1600/-	88,565/-		
2	Mahadev Mahila Sakhi Mandal, Luvara	11	Vermi compost	1100/-	36,374/-		6,000.00
3	Sadhdada Mahila Sakhi Mandal, Lakhigam village	11	Amul Parlour & Snacks	5500/-	1,66,228/-	22,767/-	127,052.00
4	Ekta Mahila Sakhi Mandal, Jolva village	10	Bag making & Apparel unit	1000/-	23,005/-	16,580/-	69,760.00
5	Gaushala Mahila Sakhi Mandal, Suva	10		1000/-	16,000/-		22500.00
	<b>Total</b>	<b>52</b>		<b>10,200/-</b>	<b>3,30,172/-</b>	<b>39,347/-</b>	<b>2,25,312.00</b>
Tribal area SHG details							
6	Jay Devmogra Maa Group, Hathakundi	10	Bamboo crafts	1000/-	12000/-	25000/-	84,500.00
7	Shree sakhi mandal, Kavchiya	10	Saving	1000/-	10000/-		
8	Anjali sakhi mandal, Pada	10	Saving	1000/-	12000/-		
9	Sarvoday Sakhi Mandal, Koliyapada	11	Saving	1100/-	17200/-		
	<b>Total</b>	<b>41</b>		<b>4,100/-</b>	<b>51,200/-</b>	<b>25000/-</b>	<b>84500.00</b>
	<b>Grand Total</b>	<b>93</b>		<b>14300/-</b>	<b>3,81,372/-</b>	<b>64,347/-</b>	<b>3,09,812.00</b>



## Vruksh se Vikas

Vruksh se Vikas is a part of Honorable Chairman Sir's pledge of 100 million trees by 2030 – announcement made at World Economic Forum, Davos. AF Dahej's mission of **10000 plantation every year**. In 2023 – 24, total 18550 nos. of tree plantation completed in 14 tribal villages of Netrang taluka (Bharuch district) against the target of 10000 trees.



### Objective

- Increase green cover
- Reduce carbon footprints
- Fruit bearing plants - alternate income source

### Plantation in FY 2023 - 24

S.N	Tree name	Number of trees planted	Village name	Area brought under green cover (Acre)	Amount utilized	Annual CO2 fixing potential after 5 years (kg)
1	Mango	5000	Vankhuta, Pada, Mungaj, Dabhal, Anjoli, Koliyapada, Vankol, Punpujiya, Hathakundi, Juni Jamuni, Kavachiya, Rajvadi, Mahudikhanch & Mandavi	33.28	454650	625000
2	Guava	3650	Same as above	18.72	185895	91250
3	Sapota	2500	Same as above	16.64	252325	125000
4	Custard Apple	2500	Same as above	12.48	102325	125000
5	Citrus	2500	Same as above	12.48	114825	125000
6	Jamun	2400	Same as above	12.48	86232	240000
Total		<b>18550</b>		<b>106.08</b>	<b>1196252</b>	<b>1331250</b>

## Promotion of Biomass Chulha

Biomass chulha's demonstration held with more than 150 women of 9 tribal villages of Netrang taluka. AF team explained more people can be fed from less wood through biomass chulha that emits less smoke and helps in reducing pollution. Women expressed their willingness for the chulha.

In 2023 -24, target is of 200 beneficiaries.





# Employee Volunteering Program

As a part of 79th Fire Service Week observance, Adani Dahej Port organised nearby school students' visit at Safety Excellence Centre on 11<sup>th</sup> April 2023. Total 60 children of Govt. Primary School, Lakhigam accompanied by 2 Utthan Sahayaks and 1 teacher of the Govt. School visited the centre. They went through live demonstration of different Safety Modules – hot work – welding, grinding & gas operation; conveyor belt safety, how to use tarpaulin covering on vehicles, Importance of LOTO – Log Out Tag Out and different types of LOTO, home fire safety (use of fire equipment's and emergency exit), importance of fire prevention and protection equipment, importance of traffic safety and importance of PPE – Personal Protective Equipment. For school students it was a joyful learning session. It was their first visit outside the school. Dahej Port arranged the pick & drop service by bus and snacks for all the visitors.



Adani Dahej Port celebrated **Engineering Day** with future engineers - students of Lakhigam High School. 70 students of class 9 and 10 with their teachers got an opportunity to visit Centre of Excellence. Safety team explained in detail about different models of safety and engineering used in port operation. Mr. Neeraj Bhatt, Head of Engineering Services gave a presentation on what engineering is and what an engineer can do. Engineers Day is celebrated in India on 15th September to honor Sri Mokshagundam Visvesvaraya, a Civil engineer, who played a major role in the development of India's infrastructure and industry and served as Diwan of Mysore. During this visit, Divyaben Bhaveshgiri Goswami, student of class IX got a token of gift for her curiosity and zeal. Students and teachers were served snacks and juice by Port admin team.

**World Environmental Health Day** was celebrated in Primary schools of Koliyapada and Vankol villages. 36 students of these schools participated in Quiz competition (16 of Koliyapada School and 20 of Vankol School)

**World River Day celebrated in Mauza School, Netrang.** A quiz competition based on the rivers of Gujarat, India and World was held.

# Community Infrastructure Development

Work completed : Multi purpose Hall, Lakhigam



## OTHER ACTIVITIES

### Visit to Seva Rural Hospital Jhagadia

Sewa Rural team briefed about the institute and showed a video of the organization's work. AF team visited NICU ward, Labour ward and the other facilities of the hospital and skill development centre where women are engaged in stitching of uniform of companies.

### Meeting with District Collector, Bharuch

AF team had a meeting with Mr. Tushar D Somera, District Collector, Bharuch. He is very positive for adolescent girls' program Kishori Utkarsha Pahel and Divyang Utkarsha Pahel. He requested AF to lead these 2 initiatives in Netrang Block, Bharuch. He briefed about other CSR initiatives: Project Roshni for Sujani artisans and My Livable Bharuch. He also thanked AF for their contribution in My Livable Bharuch



## FLOOD RELIEF WORK

Adani Foundation distributed 1000 ration kits in flood affected villages of Bharuch. On request of District Administration, Bharuch timely support is provided to flood victims of Mangleshwar, Nikora and Ankleshwar.

Grocery Kit consisting of:

- 05 KG Wheat/Wheat flour
- 01 KG Rice
- 02 KG Toor Dal
- 01 KG Salt
- 01 Liter edible oil
- 02 KG Potato
- 01 KG Onion
- 100 Gram Turmeric powder
- 100 Gram chilly powder





## SUCCESS STORY

### Transformation from shy to a confident one

Name: Jagrutiben Vinubhai Thakor

Class : 6

School: Kanyashala Dahej

Hello everyone, I am Jagrutiben Vinubhai Thakor, a student of Class 6 at Kanyashala Dahej. I live at Dahej village with my parents and 3 elder siblings. I am going to share my story of transformation from a shy & progressive learner to a confident speaker and a good student. This happened due to a committed Utthan Sahayak's tireless efforts. One year back I used to be very shy – not speak in the class, hardly greet any one not even the teacher and not mingled with my classmates. I was very weak in studies – not able to read my textbooks, didn't write Gujarati and didn't know counting.

One day I saw a new teacher Arunaben – Utthan Sahayak joined our school. She started taking classes of progressive learners. I was one of them. My normal tendency was – either miss the class or sit in the last row – keeping myself far away from the eyes of the teacher. Arunaben asked the students for their introduction. She also came to me, but I didn't utter a word. My activities were well noted by Utthan Sahayak. After some days, she asked me to sit beside her in the class and encouraging me to learn. I had a fear in my mind – if I spoke wrong my classmates would make a laugh on me!! Arunaben read my fear. Her encouragement and dedication gradually pinned hope in me. I started learning. Now I can read, write and do counting with confidence. Now I am one of the favourite students of the teachers.

Thanks to Project Utthan and Adani Foundation.



### KAMDHENU Project : a boon for me

I am Ranjanaben Mahipatsinh Yadav, 57yrs old marginal farmer of Bhuva village. My family has 6 members. We've only 1 bigha land to meet our requirement of our family. I have been engaged in buffalo rearing for 25 years. In the beginning, started with one buffalo and at present I am managing a herd of 8 animals out of which 3 are milking buffaloes, 3 heifer and 2 female calves. These animals are our primary source of income. After taking lot of efforts income generated through sell of milk was mostly spent on animals suffering from clinical and gynecological disorders at periodic interval. After treatment my milking animals always reduce productivity. In 2022 a training program was organized in my village at that time first time I came to know the wrong practices adopted by me and its impact on production. Kamdhenu team also informed us about the initiative taken by Adani Foundation for the livestock holding families. I was pleased to know that door to door insemination facility is also a part of the program. After the training I narrated the problem of **Repeat Breeding** of my buffalo. Immediately CBC I/C of Manad CBC visited and informed that my buffalo was suffering from Kinked Cervix, but he assured me that after proper feeding and treatment she will conceive. As per instruction I started to do the same and my buffalo become pregnant.

I would like to share one more experience that a few days back a second training program was organized. I showed my other buffalo who had eyesight problems. I also told the medicines prescribed by private practitioners for which cost more than Rs. 4500/- but no positive response was seen. After examination the resource person in training program prescribed medicines and assured me that my buffalo will recover within 3 to 4 days. CBC Manad without fail visited my house and did treatment. She is now completely recovering from impaired vision. **I would like to supplement that private practitioners advised me to send both the animals to butcher because they thought that they would not recover.**

I am thankful to ADANI FOUNDATION for providing us with the best services to all livestock holding families and only because of KAMDHENU Project my both animals are survived whose cost is approx. Rs. 1.25 lakhs. It is very difficult for a farmer to send animals to butcher house to whom they are taking lot of efforts to grow and make them productive but now I am strongly felt that services of Kamdhenu Project will helps to save animals and improve their productivity by adopting good management practices.



# APPRECIATION

विना संशय किंवा भीति

KAVACHIYA GAN PANCHAYAT  
At KAVACHIYA, Ta. Netrang,  
Dist. Dhule (Guj.)
**उच्चरीया गांव पंचायत**  
मु. उच्चरीया, ता. नेत्रंग, ज. लक्ष्य (गुज.)

पत्र क्र. : तारीख: 13/6/2023

**प्रति श्री. सुनिट मी. सोम. आर. डेड.**  
अध्यक्ष/सहकारण एवढे  
अहमदाबाद

श्री. सुनिट मी. सोम. आर. डेड. यांच्या या पत्राचा मला खूप खूप आभार आहे. आपण आपल्या गावाच्या विकासासाठी अनेक यत्न घेत आहात. आपण आपल्या गावाच्या विकासासाठी अनेक यत्न घेत आहात. आपण आपल्या गावाच्या विकासासाठी अनेक यत्न घेत आहात.

आपला प्रभाव  
आ. उच्चरीया, ता. नेत्रंग, ज. लक्ष्य

विना संशय किंवा भीति

पत्र क्र. 13/06/2023
तारीख: 13/06/2023

**प्राथमिक शाळा, उच्चरीया**

**प्रति श्री. सुनिट मी. सोम. आर. डेड.**  
अध्यक्ष/सहकारण एवढे  
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प्रति श्री. सुनिट मी. सोम. आर. डेड.  
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आपला प्रभाव  
आ. उच्चरीया, ता. नेत्रंग, ज. लक्ष्य

॥ ना विना वा विना ॥

**प्राथमिक मिश्र शाळा, महुंडीया**

(स्थापना वर्ष: 19-7-2003) (अवकाश क्र. 24219802281)

मु. महुंडीया, पो. पली, ता. उच्चरीया, ज. लक्ष्य.

तारीख: 13-06-2023

**प्रति श्री. सुनिट मी. सोम. आर. डेड.**  
अध्यक्ष/सहकारण एवढे  
अहमदाबाद

आपण आपल्या गावाच्या विकासासाठी अनेक यत्न घेत आहात. आपण आपल्या गावाच्या विकासासाठी अनेक यत्न घेत आहात. आपण आपल्या गावाच्या विकासासाठी अनेक यत्न घेत आहात.

आपला प्रभाव  
आ. उच्चरीया, ता. नेत्रंग, ज. लक्ष्य

ता. 26/06/2023

**प्रति श्री. सुनिट मी. सोम. आर. डेड.**  
अध्यक्ष/सहकारण एवढे  
अहमदाबाद

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आपला प्रभाव  
आ. उच्चरीया, ता. नेत्रंग, ज. लक्ष्य

विना संशय किंवा भीति

**प्राथमिक शाळा, उच्चरीया**

मु. पो. उच्चरीया, ता. उच्चरीया, ज. लक्ष्य.

पत्र क्र. 13/06/2023

**प्रति श्री. सुनिट मी. सोम. आर. डेड.**  
अध्यक्ष/सहकारण एवढे  
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आ. उच्चरीया, ता. नेत्रंग, ज. लक्ष्य





### અદાણી ફાઉન્ડેશનના સહયોગથી સક્ષમ થયેલા વજીરભાઈ કોટવાલિયા રાષ્ટ્રપતિ ભવનની મુલાકાતે જશે જીવનમાં કોઈએ નથી કરી એટલી મોટી મદદ, અદાણી ફાઉન્ડેશને કરી છે- વજીરભાઈ

દેહા, ભરૂચ: ગુજરાતમાં અભિવ્યક્તિ સંસ્થા કોટવાલિયા સંસ્થાની લોકો વાંસની કલાકૃતિ બનાવવામાં વિપુલતા ધરાવે છે. ભરૂચ જિલ્લાને તેના તાલુકાના હાથકાંચી ગામના એવાઈ કાસ્તીર વજીરભાઈ કોટવાલિયા પોતાના સંસ્થાની વાંસ કાળાને જીવન રાખવા અને વિકસાવવા માટે પ્રયત્નશીલ છે. છેલ્લા એકદમ વર્ષની એમની ઝુંબેશને અદાણી ફાઉન્ડેશન, દહેજની સહયોગ સાંપડ્યા પછી એક નવા આયોગ એમના કાર્ય અને ઝુંબેશમાં ઉમેરવા છે. વજીરભાઈ કોટવાલિયાને ભારતના માનનીય રાષ્ટ્રપતિ દ્વારા કેન્દ્ર-સ્તરે કમ એકસપોઝર મુલાકાત માટે આમંત્રણ આપવામાં આવ્યું છે. જેમાં એ પોતાના કોટવાલિયા સંસ્થાની સ્થિતિ વિશે પણ કચાની નડ ધરશે.

વજીરભાઈ કોટવાલિયાને મર્યાદિત સંસર્ગનો સાથે પોતાના સહયોગ પડ સંભળે અને વ્યવસ્થામાં બંધાયે છે. સરકાર અને સંસ્થાના સહયોગથી કિલિય મેળવે અને પ્રક્રિયામાં સહભાગી થઈ રહ્યા છે. એમ છતાં એમને વ્યવસ્થાને સંપૂર્ણ ન હતી અને પરિવારો આપના અભવે વાંસકાળાને કામ છોડી દેવું હતું પરંતુ વજીરભાઈ અને એમના પરિવાર એ કામ સાથે બંધ રહ્યું છે.

અદાણી ફાઉન્ડેશનના અદાણી સમૂહના કોર્પોરેટ હાઉસમાં યોજાયેલા આ પ્રકારના સંસ્થાને નબળાઈ અને વેબવેબની તક મળી હતી સાથે બંધ અદાણી સમૂહના સેરવેન્ટ એવેન્યુ ઓફિસની અને અદાણી ફાઉન્ડેશનના સેરવેન્ટ ડી. પ્રીમિયલેન અદાણીની મુલાકાતને અવસ્થા પણ મળ્યું હતું.

વજીરભાઈ અને એમની સાથે સંકળાયેલા જુઓ વધુ માર્ગવેદન બનવા માટે અદાણી ફાઉન્ડેશનને એન્ટો વાંસકાળા માટે જરૂરી એવી મશીનરીની સહયોગ આપ્યો છે. તબોલમાં અદાણી ફાઉન્ડેશન સીએસઆર, ગુજરાતના વડા સુખી પંડિતેને સહયોગ હતો અને વાંસ કાળા, પોલિસ્ટ રચવા કુલમ્પેક્સ આપવામાં આપ્યા હતા.

વજીરભાઈ કોટવાલિયા જુઓ પ્રથમ સમૂહમાં દિલ્લી ખાતે રાષ્ટ્રપતિ ભવનમાં જશે એ માટે બધું ઉત્સાહિત છે અને એ માટેની સરકારી પ્રક્રિયામાં વ્યસ્ત છે. વજીરભાઈ કહે છે. કોટવાલિયા સંસ્થાના પ્રતિનિધિ તરીકે છેલ્લા ૨૫ વર્ષથી વાંસ કામ કરું છું એટલે અને સરકારી અધિકારી આંખે એ એટલે કોટવાલિયા સંસ્થાના પ્રતિનિધિ તરીકે રાષ્ટ્રપતિ ભવનમાં જવા માટે ખરી પસંદગી કરી છે, હું એનથી બધું ખુશ છું અને ગૌરવ અનુભવું છું.

## ભરૂચના પૂરગ્રસ્ત ત્રણ ગામમાં અદાણી ફાઉન્ડેશન દ્વારા રાશનકીટનું વિતરણ

■ પૂર પ્રકોપમાં ફૂડ પેકેટ્સ બાદ 15 દિવસના રાશનની સહાય



**ખાણ-ખબર સંવાહલાતા**  
તાજેતરમાં નર્મદામાં સર્જાયેલી પૂરપ્રકોપની પરિસ્થિતિ વચ્ચે અદાણી ફાઉન્ડેશન સતત અસરગ્રસ્તોની પડખે ઉભું છે. ભરૂચ જિલ્લા વહીવટીતંત્રના સૂચન અને સંકલન મુજબ રવિવારે શુકલતીર્થ વિસ્તારના ત્રણ ગામોના અસરગ્રસ્તોને રાશનકીટ આપવામાં આવી છે.

લાભાર્થીઓમાં મંગલેશ્વર, નિકોડા અને તવર ગામના ૧૦૦૦+ પરિવારોનો સમાવેશ થાય છે. આદતની આડરી વેળાએ કરવામાં આવેલી મદદદથી જાણે એક કિલો મીઠું, એક લિટર તેલ, બે કિલો બટાકા, એક કિલો ઝુંગળી, ૧૦૦ ગ્રામ અંકલેશ્વર અને અંકલેશ્વર અને ૧૦૦ ગ્રામ વિસ્તારના

અનેક ગામોમાં પૂરપ્રકોપના લગભરનો સમાવેશ થાય છે. અદાણી ફાઉન્ડેશન, દહેજના સીએસઆર હેડ ઉપાખલેન મિશ્રાએ જણાવ્યું હતું કે, અદાણી ફાઉન્ડેશન સમુદાયોના કલ્યાણ માટે સતત પ્રવૃત્ત રહે છે. ભરૂચમાં આવેલી કુદરતી આફત બાદ જિલ્લા વહીવટી તંત્રના સૂચન મુજબ અમે શુકલતીર્થની આસપાસના ત્રણ ગામોમાં જીવન જરૂરી ચીજવસ્તુઓનું વિતરણ કર્યું છે. ત્રણે ગામોના અસરગ્રસ્ત પરિવારોને આ કીટ પહોંચાડવામાં આવી છે.

## અદાણી ફાઉન્ડેશન, દહેજ દ્વારા 'વૃક્ષ થકી વિકાસ' ગ્રામવિકાસની ઝુંબેશ

ધબકાર પ્રતિનિધિ, મીઝા ગામમાં કરવામાં આવ્યું હતું. વાગરા, તા. ૨૮ છોડ વિતરણ કરવાનો ઉદ્દેશ અદાણી ફાઉન્ડેશન, દહેજ દ્વારા 'વૃક્ષ થકી વિકાસ' ગ્રામ વિકાસની ઝુંબેશનો પ્રારંભ કરવામાં આવ્યો છે. બાળકો પર્યાવરણ પ્રત્યે જાગૃત રહે, ગામની આબોહવા શુદ્ધ થાય અને ફળાઉ ઝાડ થકી લોકો આવક મેળવે આવા ત્રિવિધાર સાથે અદાણી ફાઉન્ડેશન, દહેજ-ભરૂચ દ્વારા શાળાના બાળકો અને ગ્રામજનોને છોડ અને ફળાઉ ઝાડનું વિતરણ કરવામાં આવ્યું હતું. ભરૂચ જિલ્લામાં ૧૨૫૦ ઘર, ૫૦૦ સ્કૂલ અને આંગણવાડી મળી ૧૬૦૦૦ ફળાઉ ઝાડ વાવવાનું લક્ષ્યાંક છે. જેમાં પ્રથમ દિવસે ૨૩૨૫ ફળાઉ ઝાડનું વિતરણ વિભાગના પંચપંચિયા હાથકાંચી અને



**અતુલ્ય હિન્દુસ્તાન**  
અદાણી ફાઉન્ડેશન, દહેજ દ્વારા વિશ્વ પુસ્તક દિવસ સમારોહ આયોજિત

વાગરા તાલુકાના સરકારી સ્કૂલોં કે ઢાઈ હજાર બચ્ચે શામિલ હુણ

અતુલ્ય હિન્દુસ્તાન પુસ્તક દિવસ 23 એપ્રિલ નો વિશ્વ પુસ્તક દિવસ છે જેમાં વિશ્વના વિવિધ ભાષાના પુસ્તકોનો સમાવેશ થાય છે. આ વર્ષે આ ઉજવણીને અગ્રણ્યતા સાથે આજિત કરવામાં આવશે. આ ઉજવણીમાં વિવિધ ભાષાના પુસ્તકોને પ્રમોટ કરવાનું હેતુ છે. આ વર્ષે આ ઉજવણીને અગ્રણ્યતા સાથે આજિત કરવામાં આવશે.

અતુલ્ય હિન્દુસ્તાન પુસ્તક દિવસ 23 એપ્રિલ નો વિશ્વ પુસ્તક દિવસ છે જેમાં વિશ્વના વિવિધ ભાષાના પુસ્તકોનો સમાવેશ થાય છે. આ વર્ષે આ ઉજવણીને અગ્રણ્યતા સાથે આજિત કરવામાં આવશે.

**અદાણી ફાઉન્ડેશનના 'કામધેનુ' પ્રોજેક્ટ થકી પશુપાલકોના જીવનમાં હરિયાળી**

ઉત્તમ અને પ્રોત્સાહક પરિણામો મળી રહ્યા છે. દક્ષિણ ગુજરાતમાં દહેજની આસપાસના ગામોમાં પશુપાલક સંવર્ધન થવાથી પશુપાલકોની આવકમાં વૃદ્ધિ થઈ છે.

દહેજ, તા. ૦૪ ફાઉન્ડેશન પશુપાલકોના જીવનમાં હકારાત્મક પરિવર્તન લાવી રહ્યું છે. કામધેનુ પ્રોજેક્ટ થકી સમુદાયોની આવક સાથે જીવનસ્તર સુધરી રહ્યું છે. પશુપાલકો રસીકરણ, સારવાર, શેડ, યોગ્ય ઘાસચારો અને કૃત્રિમ બીજદાન સહિત તંદુરસ્ત ઉછેરના

જેનાથી પુશુશાલ પશુપાલકો ફાઉન્ડેશનની કામગીરીની ભરપૂર પ્રસંશા કરી રહ્યા છે.

દહેજ નજીકકોદરાના નાંધરખામાં રહેતા શાંતાબેન ગોહિલનો મુખ્ય વ્યવસાય પશુપાલન છે. તેમના પરિવારમાં ૧૩ સભ્યો વચ્ચે ૧૫ એકર જમીન આવકનું સાધન છે.





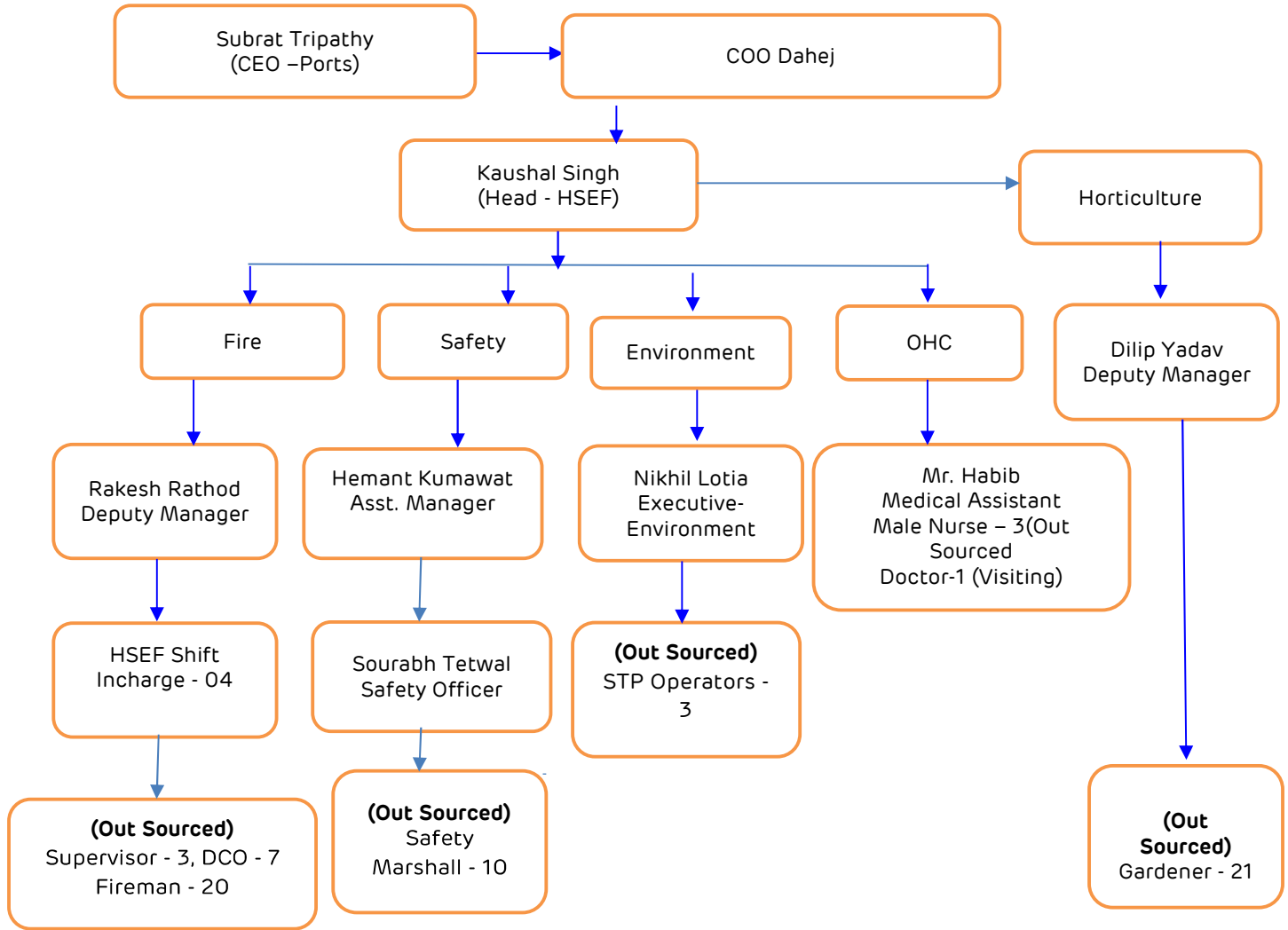
**Thank You**



**Annexure - 6: 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	18 Years
2.	Rakesh Rathod	Deputy Manager- HSE	B.E. Mech., M. tech – Industrial Safety, PDIS	17 Years
3.	Dilip Yadav	Deputy Manager (Horticulture)	B. Tech Agriculture Science	16 Years
4.	Hemant Kumawat	Asst. Manager	Dip – Mech, Dip. In Fire & Safety, NEBOSH	15 Years
5.	Nikhil Lotia	Executive- (Environment)	B.E. Environment	7 Years

**Annexure – 7: 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	3.25	6.5
2.	Legal & Statutory Expenses	1.12	1.12	3.0	4.5
3.	Environmental Monitoring Services	14.71	14.71	5.41	13.10
4.	Cost for Water Consumption and use dust suppression	84.62	272.13	102.76	218.81
5.	Hazardous Waste Management & Disposal	1.32	2.0	0	2.18
6.	Greenbelt Development and Plantation	38.0	38.42	20.05	51.44
7.	O&M of Sewage Treatment Plant	5.99	6.0	3.26	6.79
8.	Environment Day Celebration	0.36	0.35	0.37	0.50
9.	Treatment and Disposal of Bio-Medical Waste	1.92	2.10	1.12	2.20
10.	Operation and Maintenance of Road Cleaning equipment and manpower	61.68	55.79	26.70	59.0
11.	Operation and Maintenance of Fire staff engage in water sprinkling activity	99.04	88.21	35.65	92.99
12.	Environmental Study / Audit and Consultancy	0.54	3.90	-	-
13.	Bio Shield Project at village Malpur & Jambusar, Bharuch 1000m x 200m(1.0km)	4.07	2.30	-	-
<b>Total Amount (In Lacs)</b>		<b>319.26</b>	<b>487.53</b>	<b>201.57</b>	<b>458.01</b>

**Annexure 8 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		Hibicus	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							
<b>Total</b>			<b>1.95</b>	<b>4341</b>		<b>2339</b>	<b>1500</b>	<b>50</b>		
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	
<b>Total</b>			<b>2.81</b>	<b>7201</b>		<b>1000</b>	<b>8000</b>	<b>100</b>		
3	68(C)	LNG Site Boundry wall site plantation	0.95	4200	Casurina Equisitifolia					
			0.04		Palm				100	
<b>Total</b>			<b>0.99</b>	<b>4200</b>		<b>0</b>	<b>0</b>	<b>100</b>		
4	68 (d)	Stack yard	0.72	3200	Casurina Equisitifolia					
			<b>Total</b>			<b>0.72</b>	<b>3200.00</b>			
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			
<b>Total</b>			<b>3.78</b>	<b>9698.00</b>		<b>3000.00</b>	<b>200.00</b>	<b>200.00</b>		
6	68 (f)	Main gate Area	Beautification from Main Gate to GCPL Divider (Bhutnama 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		
<b>Total</b>			<b>6.73</b>	<b>4375.00</b>		<b>5650.00</b>	<b>2500.00</b>	<b>0.00</b>		
7	68 (g)	Railway yard area Phase 1	1.13	5000	Casurina Equisitifolia					
			0.0175	175	Peltoferum					
			1.13	5000	Casurina Equisitifolia					
			0.15	255	Conocarpus					
			0.30	500	eucalyptus					
			0.08		Palm				200	
			<b>Total</b>			<b>2.80</b>	<b>10930.00</b>		<b>0.00</b>	<b>0.00</b>
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					
			0.12		Lawn	1200				
		Perifery road side and Behind W B 6			1.32	5860	eucalyptus /conocarpus			
		0.05		Shrub			500			
0.24		Palm				150				
0.72	800	Peltofouram /Azardirecta indica/ Conocarpus/ Palm								
<b>Total</b>			<b>4.76</b>	<b>16132.00</b>		<b>2830.00</b>	<b>2600.00</b>	<b>300.00</b>		
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				
<b>Total</b>			<b>0.55</b>	<b>3211.00</b>		<b>1776.00</b>	<b>0.00</b>	<b>0.00</b>		
10	68(j)	Fruit Plantation Area	90		Sapota					
			16		mulberry					
			5		pomegranate					
			38		gauva					
			12		sitafal					
			17		Lemon					
			20		Black Jamun Plant					
			18		amla					
<b>Total</b>			<b>0.19</b>	<b>216.00</b>						
<b>Grand Total</b>			<b>25.27</b>	<b>63504.00</b>		<b>16595.00</b>	<b>14800.00</b>	<b>950.00</b>		

# Bio-shield

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**Malpur village, Jambusar taluka, Bharuch district**

**Service Order No: 5700270907 dated 26.06.2019**

**Project Period: 1<sup>st</sup> July, 2019 to 30<sup>th</sup> June, 2022**

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

**Project Implemented by: SAVE – Saline Area Vitalization Enterprise Limited**

**Reporting Period: 1<sup>st</sup> July, 2019 to 30<sup>th</sup> June, 2022**

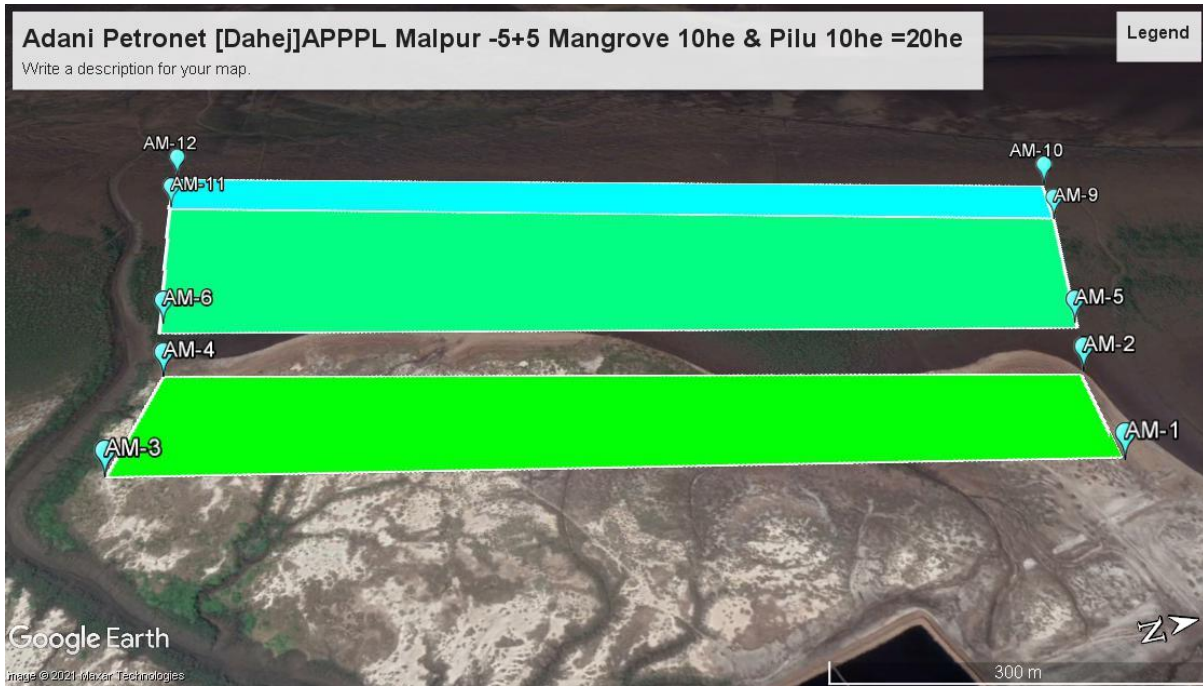


Saline Area Vitalization Enterprise Ltd. (Save) has started a Bioshield project in the year 2019 in Malpur village in Jambusar taluka of Bharuch district in collaboration with Adani Petronet (Dahej) Port Pvt. Ltd. In order to provide employment to the people of Rathod community and deprived community 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 18<sup>th</sup> December 2020. The Maps and GPRS points are as under:



<b>Malpur Bio -1 Mangrove &amp; Pilu 20 ha.</b>			
<b>No</b>	<b>Code No.</b>	<b>N</b>	<b>E</b>
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
<b>Total</b>	<b>10</b>	<b>30, 000</b>	<b>30,000</b>	<b>10,120</b>	<b>31,170</b>

**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 30<sup>th</sup> 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 30<sup>th</sup> 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 : saveltd1995@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 : 30<sup>th</sup> 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.



<b>Malpur Bio -1 Mangrove &amp; Pilu 20 ha.</b>			
<b>No</b>	<b>Code No.</b>	<b>N</b>	<b>E</b>
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



<b>Tankari Pilu 10 ha</b>			
<b>No</b>	<b>Code No</b>	<b>N</b>	<b>E</b>
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 31<sup>st</sup> 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 31<sup>st</sup> 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

 19/5/23  
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



# GUJARAT POLLUTION CONTROL BOARD

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

By R.P.A.D.

**CONSENT TO OPERATE (CTO)**  
**(CCA Amendment for name change)**

**NO: GPCB/BRCH-B/CCA-06(8)/ID-31664/**

**DT: /05/2023**

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

**SUB: Correction in CCA Amendment No: 116434, Dated 09/03/2022 under various Environmental Acts/ Rules.**

**REF:** (1) Your letter dated. 07/12/2022  
(2) CCA AMENDMENT No: 116434, issued vide letter no. GPCB/BRCH-B /CCA-6(7)/ID-31664/625047, dated: 09/03/2022.

Sir,

This has reference to the CCA AMENDMENT No: 116434, issued vide letter no. GPCB/BRCH-B /CCA-6(7)/ID-31664/625047, dated: 09/03/2022 and vide your application under reference no. 1, CCA Amendment (AWH-116434) stands amended as under.

1. Name of the industry shall now be read as "M/s: Adani Petronet (Dahej) Port Ltd. (APDPL)" in place of "M/s. Adani Petronet (Dahej) Port Pvt. Ltd. (APDPPL)" from the date of issue of this letter.
2. All other conditions of CCA AMENDMENT No: 116434, issued vide letter no. GPCB/BRCH-B /CCA-6(7)/ID-31664/625047, dated: 09/03/2022 and further amended from time to time shall remain unchanged.

FOR AND ON BEHALF OF  
GUJARAT POLLUTION CONTROL BOARD

(IRFAN KAGZI)  
ENVIRONMENT ENGINEER

COPY TO:-

- **Regional Officer,**  
G.P.C.Board,  
Regional Office,  
Bharuch..... For correction in XGN.

Clean Gujarat Green Gujarat

Website : <https://gpcb.gujarat.gov.in>

Outward No: 116434/05/05/2023



सत्यमेव जयते

File No:11-37/2007-IA.III  
Government of India  
Ministry of Environment, Forest and Climate  
Change  
IA Division  
\*\*\*



Dated 01/09/2023



To,

CAPT ANIL KISHORE SINGH  
ADANI CORPORATE HOUSE, SHANTIGRAM, NR. VAISHNODEVI CIRCLE, S.G. HIGHWAY,  
AHMEDABAD, AHMEDABAD, BHARUCH, GUJARAT, 382421  
dahej.environment@gmail.com

**Subject:** Grant of Transfer of Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006 and as amended thereof regarding.

**Sir/Madam,**

This is in reference to your application submitted to MoEF&CC vide proposal number IA/GJ/INFRA1/424584/2023 dated null for grant of transfer of Environmental Clearance (EC) to the project under the provision of para 11 of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A3501GJ5776490E
(ii) File No.	11-37/2007-IA.III
(iii) Clearance Type	Transfer of EC
(iv) Category	A
(v) Project/Activity Included	7(e) Ports, harbors, breakwaters, dredging
Schedule No.	
(vi) Sector	INFRA-1
(vii) Name of Project	Adani Petronet (Dahej) Port Limited
(viii) Name of Company/Organization	
(ix) Location of Project (District, State)	BHARUCH, GUJARAT
(x) Issuing Authority	MoEF&CC
(xi) EC Date	22/08/2023
(xiii) Details of Transferee	ADANI CORPORATE HOUSE, SHANTIGRAM, NR. VAISHNODEVI CIRCLE, S.G. HIGHWAY, AHMEDABAD, AHMEDABAD, 438, 24, SHANTIGRAM, 382421
(xiv) Details of Transferor	ADANI PETRONET (DAHEJ) PORT PVT. LTD., ADANI

1. The following documents have been submitted for the transfer of Environmental and CRZ Clearance.
2. Form No.7 for transfer of Environmental clearance.
3. Copy of letter no nil dated 27<sup>th</sup> March, 2023 seeking the transfer of Environmental and CRZ Clearance from M/s Adani Petronet (Dahej) Port Private Limited to M/s Adani Petronet (Dahej) Port Limited stating that the name of the M/s Adani Petronet(Dahej) Port Private Limited has changed to M/s Adani Petronet(Dahej) Port Limited.
4. Copy of environmental clearance titled 'Expansion of Adani Petronet(Dahej) Port Private Limited, Dahej, Bharuch District, Gujarat by M/s Adani Petronet(Dahej) Port Pvt. Ltd vide letter no 11-37/2007-IA.III dated 14<sup>th</sup> October, 2016 and its subsequent corrigendum letter dated 23<sup>rd</sup> December, 2016.
5. Undertaking dated 31<sup>st</sup> March, 2023 by M/s Adani Petronet(Dahej) Port Limited in a non-judicial stamp paper stating that the name of the M/s Adani Petronet (Dahej) Port Private Limited has changed to M/s Adani Petronet(Dahej) Port Limited and M/s Adani Petronet(Dahej) Port Limited will complying all the terms and conditions mentioned in the environmental clearance letter no 11-37/2007-IA.III dated 14<sup>th</sup> October, 2016 and its subsequent corrigendum letter dated 23<sup>rd</sup> December, 2016.
6. Copy of letter from Registrar of companies, stating that stating that the name of the M/s Adani Petronet (Dahej) Port Private Limited has changed to M/s Adani Petronet(Dahej) Port Limited on 27<sup>th</sup> July, 2022 vide CIN:U63012GJ2003PLC041919 dated 27<sup>th</sup> July, 2022.
7. Copy of Board Resolution for Name Change of the Company from M/s Adani Petronet (Dahej) Port Private Limited has changed to M/s Adani Petronet (Dahej) Port Limited.
8. Copy of Consolidated Consent and authorization (CC&A-Amendment) CCA Amendment No: AWH-116434 vide letter no GPCB/BRCH-B/CCA-6(7)/ID-31664 dated 09/3/2022 which is valid up to 16/07/2025.
9. PP vide letter dated 25.07.2023 mentioned that the current proposal is only for name change of company from Adani Petronet(Dahej) Port Private Limited(APDPPL) to Adani Petronet (Dahe) port Limited (APDPPL). There is no change in management.
10. PP vide letter dated 25.07.2023 submitted the status of the implementation of the project as per the status of the implementation pp mentioned that out of 23ha, reclamation in 16 ha area has been completed and 7 ha reclamation/development of yard is pending at south side of port (LNG Side), mechanization od south jetty to handle coal caro is yet to start(Pending).
11. This Ministry has no objection for transfer of Environmental Clearance accorded vide letter no. 11-37/2007-IA.III dated 14<sup>th</sup> October, 2016 from M/s Adani Petronet(Dahej) Port Private Limited to M/s Adani Petronet(Dahej) Port Limited subject to satisfactory compliance to all stipulated specific and general conditions. You are also requested to obtain 'Concent to Operate' from the Gujarat State Pollution Control Board in the name of M/s Adani Petronet(Dahej) Port Limited.
12. M/s Adani Petronet(Dahej) Port Limited shall comply with all specific and general conditions stipulated in the Environmental and CRZ Clearance letter of even no. dated 14<sup>th</sup> October, 2016.
13. The name change is being granted for the original proposals for which Environmental Clearance dated 14th October, 2016 was granted earlier.
14. The project proponents will not make any changes in the project nature, structure or configuration and limit themselves to activities for which the Environmental clearance has been given earlier and the activities completed within the validity period of earlier EC dated 14th October, 2016.

15. In case, there is a change in the scope of the project, fresh Environmental Clearance shall be obtained.

16. This issue with the approval of the Competent Authority.

**Copy To**

1. The Principal Secretary, Department of Forests & Environment and Chairman, GCZMA, Govt. of Gujarat, Sachivalaya, Gandhinagar.
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, Gandhi Nagar, A wing- 407 & 409, Aranya Bhawan, Near CH-3 Circle, Sector-10 A, Gandhi Nagar-382010.
3. The Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Member Secretary, Gujarat Coastal Zone Management Authority (GCZMA)  
Block No: 14/8th Floor, New Sachivalaya, Sector - 10A, Gandhinagar.
5. The Member Secretary, Gujarat Pollution Control Board, Sector 10-A, Gandhi Nagar - 382043.
6. The Managing Director, M/s Adani petronet(Dahej) Port Pvt. Ltd. Adani House, near Mithakhali Circle, Navarangapura, Ahmedabad, Gujarat.
7. Monitoring Cell, MoEF&CC, Indira ParyavaranBhavan, New Delhi.
8. Guard File/ Record File/ Notice Board.

