



Ports and  
Logistics

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

Date: 27.05.2024

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

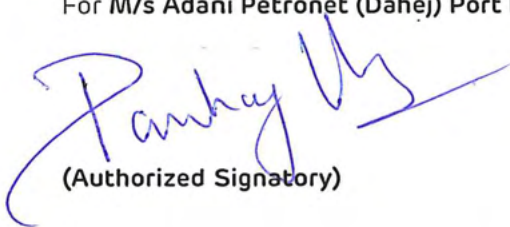
**Sub.:** - Six Monthly Compliance Report of Environment and CRZ Clearance for the period from **October 2023 to March 2024.**

**Ref.:** - 1) Environmental and CRZ clearances granted to M/s. Adani Petronet (Dahej) Port Pvt. Ltd. for **Phase-I and Phase-II** vide letters dated 6<sup>th</sup> July 2007 and 11<sup>th</sup> November 2008 bearing F. No.: 11-37/2007-IA-III, respectively.  
2) CRZ Clearance / Recommendation issued by Department of Environment & Forest, GoG vide letter dated 16<sup>th</sup> May 2007 bearing No.: ENV-102006-71-P for **Phase-I** and letter dated 29<sup>th</sup> September 2008 bearing No.: ENV-10-2007-2126-E for **Phase-II.**

Dear Sir,

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

Thanking you,  
Yours Faithfully,  
For M/s Adani Petronet (Dahej) Port Ltd.



(Authorized Signatory)

**Copy to:**

1. The Director (Monitoring-IA Division), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003.
2. The Director, Forest and Environment Department, Block-14, 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. The Chairman, Gujarat Pollution Control Board, Parvayaran Bhawan, Sector-10A, Gandhinagar-382010 (Gujarat).
5. The Regional Officer, Gujarat Pollution Control Board, Bharuch (Gujarat).

Adani Petronet (Dahej) Port Limited  
At & PO: Lakhigam  
Taluka: Vagra, Via Dahej  
Bharuch 392 130  
Gujarat, India  
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**SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT &  
CRZ CLEARANCE PHASE -I & II**

**FOR**

**DEVELOPMENT OF SOLID CARGO PORT TERMINAL AT  
DAHEJ, DISTRICT: BHARUCH, GUJARAT**

**(FOR THE PERIOD: OCTOBER 2023 TO MARCH 2024)**

**BY**

**ADANI PETRONET (DAHEJ) PORT LTD.  
VILLAGE: LAKHIGAM, TALUKA: VAGRA,  
DISTRICT: BHARUCH, GUJARAT- 392130**

**LIST OF APPENDIXES**

<b>S. No.</b>	<b>DETAILS</b>
1.	Environmental and CRZ clearances for Phase-I and Phase-II issue by MOEF&CC, New Delhi vide letters dated 6 <sup>th</sup> July, 2007 and 11 <sup>th</sup> November, 2008 bearing F. No.: 11-37/2007-IA-III. <b>M/s. Adani Petronet (Dahej) Port Ltd.</b>
2.	CRZ Clearance / Recommendation issued by Department of Environment & Forest, GoG vide letter dated 16 <sup>th</sup> May, 2007 bearing No.: ENV-102006-71-P for Phase-I and letter dated 29 <sup>th</sup> September, 2008 bearing No.: ENV-10-2007-2126-E for Phase-II. <b>M/s. Adani Petronet (Dahej) Port Ltd.</b>

**List of Annexure**

<b>Annexure 1</b>	:	Forest Clearance Compliance
<b>Annexure 2</b>	:	Details of Fixed Mobile Fire Fighting System
<b>Annexure 3</b>	:	Environment Monitoring Report
<b>Annexure 4</b>	:	Green Belt Development Plan for FY 23-24
<b>Annexure 5</b>	:	Environmental Budget & Expenditure for FY 23-24
<b>Annexure 6</b>	:	Compliance status of EMP as per EIA Guidelines
<b>Annexure 7</b>	:	CSR Report form October 2023 to March 2024
<b>Annexure 8</b>	:	Environment Cell Organogram



**Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II.**

Sr. No.	Specific Conditions	Compliance status as on 31.03.2024																															
P2(i)	All the conditions stipulated by Ministry of Environment and Forests, Regional Office, Western Region, Bhopal vide their letter No. 6-GJ060/2006-BHO/1508, dtd., 16.6.2008 shall be strictly adhered to.	<b>Complied.</b> All the conditions mentioned by Ministry of Environment and Forests, Regional Office, Western Region, Bhopal vide their letter No. 6-GJ060/2006-BHO/1508, dtd., 16.6.2008 have been complied with. Copy of the compliance status enclosed as <b>Annexure – 1.</b>																															
P2(ii)	All the conditions stipulated by Forest and Environment Department, Govt. of Gujarat vide their letter No.-FCA-1006(10-9) SF-76-K, dated., 1.7.2008 dated 16.6.2008 shall be strictly adhered to	<b>Complied.</b> All the conditions mentioned by Forest and Environment Department, Govt. of Gujarat vide their letter No.-FCA-1006(10-9) SF-76-K, dated., 1.7.2008 dated 16.6.2008 have been complied with. Copy of the compliance status enclosed as <b>Annexure – 1.</b>																															
P2(iii)	No reclamation will be carried out for the activity	<b>Complied.</b> Project (Phase I & II) has been developed within existing land without any reclamation.																															
P2(iv)	All the conditions stipulated by the Gujarat Coastal Zone Management Authority including Ministry of Environment and Forests clearance dated 16.6.2008 under the Forest Conservation Act shall complied.	<b>Noted.</b> We complied with the conditions stipulated by GCZMA including MOEF dated 16.06.2008. Copy of the compliance status enclosed as <b>Appendix – 1.</b>																															
P2(v), P1(i)	Sewage Treatment Plant should be included in the project	<b>Complied.</b> Sewage generated from port is being treated in designated STP of 80KL/Day capacity. <table><tr><td>Capacity</td><td>Quantity of Wastewater (Avg. from October 2023 to March 2024)</td><td>Type of STP</td></tr><tr><td>80KLD</td><td>19.44 KLD</td><td>MBR</td></tr></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. Treated water reports are attached in <b>Annexure 3F</b>. Monthly monitoring of STP was being done by M/s. Kadam Environment Consultant. Summary of STP treated water analysis results during compliance period from October 2023 to March 2024 are mentioned below.</p> <table><tr><td>Parameters</td><td>Unit</td><td>Min</td><td>Max</td><td>Perm. Limit</td></tr><tr><td>PH</td><td>-</td><td>6.44</td><td>7.63</td><td>6.5- 8.5</td></tr><tr><td>TSS</td><td>mg/L</td><td>9</td><td>23</td><td>30</td></tr><tr><td>BOD (3 Days @ 27 °C</td><td>mg/L</td><td>4</td><td>15</td><td>20</td></tr><tr><td>Residual Free Chlorine</td><td>mg/L</td><td>0.62</td><td>2.66</td><td>0.5(Min)</td></tr></table>	Capacity	Quantity of Wastewater (Avg. from October 2023 to March 2024)	Type of STP	80KLD	19.44 KLD	MBR	Parameters	Unit	Min	Max	Perm. Limit	PH	-	6.44	7.63	6.5- 8.5	TSS	mg/L	9	23	30	BOD (3 Days @ 27 °C	mg/L	4	15	20	Residual Free Chlorine	mg/L	0.62	2.66	0.5(Min)
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**Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II.**

Sr. No.	Specific Conditions	Compliance status as on 31.03.2024
		The cost for Environment Monitoring for the FY 23-24 is <b>13.10 lacs.</b>
P2(vi), P1(ii)	Afforestation in 200 ha. with mangroves should be undertaken under the project, as identified by the Gujarat Forest Department.	<b>Complied.</b> Mangrove afforestation has been carried out in an area of 400 ha Phase I & II (200 Ha for both). Details are given below. <ol style="list-style-type: none"> <li>100 Ha. near village Dandi, District Surat– 2011</li> <li>50 Ha. near village Jakhau, District Kutch – 2011</li> <li>50 Ha. near Padri bit, District Bhavnagar – 2011</li> <li>200 Ha. near Malpur, Ta. Jambusar – 2013-14</li> <li>50 Ha. Devjagan/Nada Ta. Jambusar – 2017 – 18 (Done as compliance to Phase –III EC &amp; CRZ clearance).</li> </ol> Reports of 400 Ha Mangrove afforestation were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017 and Report of 50 ha Mangrove afforestation (2017-18) was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 29/05/2019.
P2(vii)	Afforestation @1:3 shall be carried out in case of any trees to be cut.	<b>Complied.</b> <ul style="list-style-type: none"> <li>Afforestation of 38 Ha. Land has been completed with the help of forest department during 2012-14.</li> <li>Land has been declared as reserve forest vide notification dated 23/12/2008. Copy of the same was submitted along with half yearly compliance report vide letter no. APDPPL-EHS/MoEF RO/EC Comp (I &amp; II) dated 28.11.2017.</li> </ul>
P2(viii), P1(iii)	The recommendations of the Risk Assessment Report should be incorporated	<b>Complied.</b> Risk Assessment Report was submitted along with compliance report dated 20/02/2008. The recommendation of risk assessment is incorporated and being followed during construction and operation phases.
P2(ix), P1(v)	The materials for the filling and pavement construction should be made available from approved quarries.	<b>Complied.</b> Construction of the project (Phase I & II) was completed in February 2011.
P2(x), P1(vi)	Sufficient fixed and mobile firefighting system should be provided exclusively for the terminal in consultation with the local statutory bodies.	<b>Complied.</b> Adequate fixed and mobile firefighting systems are provided. Details of firefighting systems available with APDPL is submitted to District collector, Mamlatdar (Disaster) and Gujarat Maritime Board, Bharuch, vide letter no. APDPPL/EHS/DMP/Rev-07/2020-21, 123 & 124 dated 20.01.2021. Details of the same are enclosed as <b>Annexure – 2.</b>
P2(xi), P1(x)	All development in the port should be carried out in accordance with the	<b>Complied.</b>

## Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II.

Sr. No.	Specific Conditions	Compliance status as on 31.03.2024																												
	Coastal Regulation Zone Notification, 1991 and approved Coastal Zone Management Plan of Gujarat.	Construction of Phase I & II has been completed in February 2011 and same was carried out in accordance with CRZ Notification 1991.																												
P2(xii), P1(xi)	There shall be no withdrawal of ground water in CRZ area for this project. The proponent should ensure that as a result of the proposed constructions, ingress of saline water into ground water does not take place. Piezometers shall be installed for regular monitoring for this purpose at appropriate locations on the project site.	<b>Complied.</b> Ground water is not tapped for the project. Entire freshwater requirement is being met through GIDC water supply. Two Piezometers have been installed at different locations inside port. Monthly monitoring of ground water level & quality is being done through NABL accredited & MoEF&CC recognized laboratory M/s. Kadam Environment Consultant, Baroda. Summary of Piezometers analysis results during compliance period from October 2023 to March 2024 is mentioned below: <table><tr><th>Test Parameter</th><th>Unit</th><th>Min</th><th>Max</th></tr><tr><td>Temperature</td><td>°C</td><td>24.6</td><td>29.8</td></tr><tr><td>pH</td><td>--</td><td>7.12</td><td>8.25</td></tr><tr><td>Total Dissolved Solids</td><td>mg/L</td><td>96</td><td>540</td></tr><tr><td>Salinity</td><td>PPT.</td><td>0.05</td><td>0.32</td></tr><tr><td>Chloride as Cl</td><td>mg/L</td><td>28</td><td>184</td></tr><tr><td>Depth of Water Level from Ground Level</td><td>meter</td><td>2.1</td><td>2.2</td></tr></table> Copies of monitoring reports are enclosed as <b>Annexure 3B.</b>	Test Parameter	Unit	Min	Max	Temperature	°C	24.6	29.8	pH	--	7.12	8.25	Total Dissolved Solids	mg/L	96	540	Salinity	PPT.	0.05	0.32	Chloride as Cl	mg/L	28	184	Depth of Water Level from Ground Level	meter	2.1	2.2
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P2(xiii), P1(xii)	The project shall not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/Electricity Department.	<b>Complied.</b> Project is commissioned after obtaining permission from PWD and Electricity Department. 1. GIDC permission dated 19.02.2013. 2. Electricity Department approval dated 18.02.2011																												
P2(xiv), P1(xiii)	Specific arrangements for rainwater harvesting shall be made in the project design and the rainwater so harvested shall be optimally utilized. Details in this regard shall be furnished to this Ministry's Regional Office at Bhopal within 3 months	<b>Complied.</b> The feasibility study for rainwater harvesting was conducted. Based on the report it was concluded that rainwater harvesting is not advisable as the area is next to the coast. Report was submitted along with the half-yearly compliance report dated 22.05.2015. Ministry of Water Resources (May 2000) it is mentioned that "The upper 3 m of the unsaturated zone is not considered for recharging, since it may cause adverse environmental impact e.g. water logging, soil salinity, etc. The post monsoon depth to water level represents a situation of minimum thickness of vadose zone available for recharge which can be considered vis-a-vis surplus monsoon run off in the area."																												

**Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II.**

Sr. No.	Specific Conditions	Compliance status as on 31.03.2024
		<p>Point no. I of Sub Para D of para VI on Page 7/11 of CGWA Guideline issued by Central Ground Water Authority (CGWA) for Criteria for evaluation of proposals/requests for GW abstraction (wef. 15/11/2012) it is mentioned that "(i). Mandatory clause on RWH may be relaxed in case of waterlogged/shallow water level (&lt; 5 m bgl during pre-monsoon) areas."</p> <p>As per point no. VIII of para 2.1.2. of Guidelines for issuance of No Objection Certificate (NOC) for ground water withdrawal issued by Central Ground Water Authority Ministry of Water Resources, RD &amp; GR Government of India; Point no. VI of Para 2.7, it is mention on page no 13. That "VI. Mandatory clause on rainwater harvesting may be relaxed in case of water logged/shallow water level (&lt; 5 m bgl during post monsoon or as per state policy) areas."</p> <p>As mentioned above it is not permissible/advisable to develop ground water recharge structure in case ground water level is less than 5 m.</p>
P2(xv), P1(xv)	No land reclamation should be carried out for this project.	<b>Complied.</b> Project (Phase I & II) has been developed within existing land without any reclamation.
P2(xvi), P1(xvi)	Green buffer zone should be provided all around the project area in consultation with local forest department and report submitted to this Ministry's Regional Office at Bhopal.	<b>Being Complied</b> Considering the expansion plan, green belt is being developed on periphery of the project boundary. So far 25.27 Ha of green belt with 63504 nos. which mainly includes casuarina, <i>wasigtonia palm</i> , <i>cassia samiea</i> , <i>peltoforum</i> , <i>delonix regia</i> , <i>figus sps</i> . Details of green belt area are enclosed as <b>Annexure – 4</b> .
P2(xvii), P1(xiv)	The facilities to be constructed in the CRZ area as part of this project should be strictly in conformity with the provisions of the CRZ Notification, 1991 as amended subsequently.	<b>Complied.</b> Construction of the project (Phase I & II) was completed in February 2011 and same is in conformity with the provisions of the CRZ Notification 1991.
P2(xviii), P1(xvii)	No product other than those permissible in the Coastal Regulation Zone Notification, 1991 should be stored in the Coastal Regulation Zone area.	<b>Complied.</b> APDPL is handling only dry cargo mainly coal and other bulk cargos as well as project cargo at designated storage areas in compliance to the CRZ Notification 1991 and 2011.
P1(iv)	Location of general cargo berth should be taken into considerations with regard to location of LNG terminal	<b>Complied.</b> General cargo berth (Solid Cargo Port Terminal jetty) is approx. 500 m away from the LNG jetty of Petronet LNG Ltd.
P1(vii)	The wave tranquility study and the ship maneuvering studies carried out should be taken into account while operating the Port.	<b>Complied.</b> Ship mooring study and wave tranquility studies were carried out to understand the wind wave and swell

**Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II.**

Sr. No.	Specific Conditions	Compliance status as on 31.03.2024
		wave conditions. The recommendations are being regularly followed during port operations.
P1(viii)	The project proponent should ensure that during construction and operation of the port there will be no impact on the livelihood of the fisherman. The fisherman should be provided free access to carry out the fishing activity.	<b>Complied.</b> There is no commercial fishing in the area. Free access to the "Pagadiya" fishermen is available. They are continuing with their activities without any impact from project.
P1(ix)	All necessary precaution while undertaking construction and operation of the port should be taken keeping in view the bathymetric changes caused due to cyclones.	<b>Complied.</b> Construction (Phase I & II) activities are completed in February, 2011. APDPL has a well-defined DMP and regular mock drills are being conducted. DMP is also reviewed at regular interval. Mock drill is being conducted as per plan. Last Mock drill was conducted on 29.03.2024. Last revision in the DMP was done on 01.07.2023 (Rev. 9).
<b>General Conditions</b>		
P2(i), P1(i)	Construction of proposed structures shall be undertaken meticulously conforming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification 1991 & its amendments. All the construction designs/drawings relating to the proposed construction activities must have approvals of the concerned state Government Departments/Agencies.	<b>Complied.</b> <ul style="list-style-type: none"> <li>All the development activities are being taken up in accordance with the CRZ notification, 1991 &amp; its subsequent amendments.</li> <li>The approval for the project has been obtained from concern government department that is GMB as per their NOC date 23/02/2006.</li> <li>Necessary approval has been obtained from GIDC for the setting of the project vide letter ref no. GIDC/DM/CG/ANK/87.</li> <li>Approval of GPCB NOC has taken for the project vide letter ref. no. CTE 71696 dated 08.09.2015 &amp; its amendment letter no. CTE no. 129384 dated 15.03.2024 valid till 13.10.2027.</li> </ul>
P2(ii), P1(ii)	Adequate provision for infrastructure facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during the construction phase of the project so as to avoid felling of trees/mangroves and pollution of water and the surrounding.	<b>Complied.</b> Construction of the project (Phase I & II) was completed on February 2011. During construction all facilities such as water supply, fuel, sanitation etc. was provided.
P2(iii), P1(iii)	The project authorities must make necessary arrangements for disposal of solid waste and for the treatment of effluents by providing a proper wastewater treatment plant outside the CRZ area. The quality of treated effluents, solid wastes and noise level etc. must conform to the standards laid down by the competent authorities	<b>Complied.</b> <ul style="list-style-type: none"> <li>The Project (Phase I &amp; II) activities are not generating any industrial effluent.</li> <li>Only domestic effluent is being generated which was treated in the STP outside CRZ area and used for horticulture within the premises.</li> <li>Details regarding STP are given in point number- V (Refer above point).</li> </ul>

	<b>ADANI PETRONET (DAHEJ) PORT LTD.</b>	<b>From: October 2023 To : March 2024</b>
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**Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II.**

Sr. No.	Specific Conditions	Compliance status as on 31.03.2024																								
	including the Central/State Pollution Control Board and the Union Ministry of Environment and Forest under the Environmental (Protection) Act, 1986, whichever are more stringent.	<ul style="list-style-type: none"><li>Noise monitoring (Once in a month) is carried out by NABL accredited and MoEFCC approved agency namely M/s Kadam Environment Consultants.</li><li>The noise level confirm to the standard laid down by Gujarat Pollution Control Board.</li><li>Monthly monitoring of Noise has been carried out from M/s. Kadam Environment Consultants.</li><li>Summary &amp; Copy of Noise level monitoring are enclosed as <b>Annexure – 3G</b>.</li></ul>																								
P2(iv), P1(iv)	The proponent shall obtain the requisite consents for discharge of effluents and emission under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 from the Gujarat State Pollution Control Board before commissioning of the project and a copy of each of these shall be sent to this Ministry.	<b>Complied.</b> APDPL has obtained renewal of CC&A under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 form the Gujarat State Pollution Control Board vide No. AWH 109820 dated: 19.10.2020 and CCA amendment Letter no AWH 116434 dated 09.03 .2022 which is valid up to 16.07.2025.																								
P2(v), P1(v)	The proponent shall provide for a regular monitoring mechanism so as to ensure that the treated effluents conform to the prescribed standards. The record of analysis reports must be properly maintained and made available for inspection to the concerned State/Central officials during their visits.	<b>Complied.</b> <ul style="list-style-type: none"><li>No industrial effluent is generated from the port as no industrial process is carried out.</li><li>Domestic effluent is being treated in STPs. Details regarding the same are given above in point number V (Refer above).</li><li>The monitoring results of the treated wastewater from STP for the period from October 2023 to March 2024 are enclosed as <b>Annexure – 3F</b>.</li></ul>																								
P2(vi), P1(vi)	In order to carry out the environmental monitoring during the operational phase of the project, the project authorities should provide an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters.	<b>Complied.</b> Ambient Air quality monitoring (twice in a week) and Noise level (once in a month) monitoring are being carried out by M/s. Kadam Environment Consultant, a NABL accredited, and MoEF & CC recognised laboratory. The monitoring results for the period from October 2023 to March 2024 are enclosed as <b>Annexure – 3A to 3H</b> . Summary of Ambient Air Monitoring Report is given below: <table><tr><th>Sr. No.</th><th>Location</th><th>PM<sub>10</sub> (100 µg/m<sup>3</sup>)</th><th>PM<sub>2.5</sub> (60 µg/m<sup>3</sup>)</th><th>SO<sub>2</sub> (80 µg/m<sup>3</sup>)</th><th>NO<sub>x</sub> (80 µg/m<sup>3</sup>)</th></tr><tr><td>1</td><td>Marine Building</td><td>76.89</td><td>42.01</td><td>14.61</td><td>20.01</td></tr><tr><td>2</td><td>SS 7B</td><td>76.27</td><td>41.34</td><td>14.30</td><td>18.53</td></tr><tr><td>3</td><td>EHS Building</td><td>70.26</td><td>35.79</td><td>12.82</td><td>17.34</td></tr></table>	Sr. No.	Location	PM <sub>10</sub> (100 µg/m <sup>3</sup> )	PM <sub>2.5</sub> (60 µg/m <sup>3</sup> )	SO <sub>2</sub> (80 µg/m <sup>3</sup> )	NO <sub>x</sub> (80 µg/m <sup>3</sup> )	1	Marine Building	76.89	42.01	14.61	20.01	2	SS 7B	76.27	41.34	14.30	18.53	3	EHS Building	70.26	35.79	12.82	17.34
Sr. No.	Location	PM <sub>10</sub> (100 µg/m <sup>3</sup> )	PM <sub>2.5</sub> (60 µg/m <sup>3</sup> )	SO <sub>2</sub> (80 µg/m <sup>3</sup> )	NO <sub>x</sub> (80 µg/m <sup>3</sup> )																					
1	Marine Building	76.89	42.01	14.61	20.01																					
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3	EHS Building	70.26	35.79	12.82	17.34																					



Sr. No.	Specific Conditions	Compliance status as on 31.03.2024					
		4	JS Junction	65.66	31.77	13.13	17.14
		5	Silo Gate	66.15	30.82	12.73	16.70
		6	SS terrace	67.60	28.26	12.94	17.22
P2(vii), P1(vii)	The sand dunes and mangroves, if any on the site should not be disturbed in any way.	<b>Complied.</b> <ul style="list-style-type: none"> <li>There are no sand dunes in project area.</li> <li>Free flow to the mangroves near the jetty approach is maintained.</li> </ul>					
P2(viii), P1(viii)	A copy of the clearance letter will be marked to the concern Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.	<b>Complied.</b> Copy of the letter submitted to local panchayat was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I&II) dated 28.11.2017.					
P2(ix), P1(ix)	The Gujarat State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries Centre, and Collector's Office/Tehsildar's Office for 30 days.	This condition does not belong to the project proponent.					
P2(x), P1(x)	The fund earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bhopal and the State Pollution Control Board.	<b>Complied.</b> Separate budget is allocated for Environmental Management. Key components of environment budget are Environmental Monitoring, waste monitoring, STP (Operations and Maintenance), Dust Suppression and Closed Conveyor System Maintenance etc. The allocation of budget for Environment Cell for the FY 2023-24 was approx. Rs. 599.98 lacs out of which Rs. 559.61 lacs is used. Details of the environmental budget and expenditure for the past 3 years is enclosed as <b>Annexure -5</b> .					
P2(xi), P1(xi)	Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.	<b>Complying with.</b> <ul style="list-style-type: none"> <li>Whenever any authorities from MoEF&amp;CC, GPCB and GMB etc. visit APDPL, full support is extended and APDPL provides all additional information sought by them during the inspection.</li> <li>Regional office representative visited the port during the compliance period.</li> <li>Last visit of Gujarat Pollution Control Board during the compliance period was on 07.02.2024.</li> </ul>					
P2(xii), P1(xii)	In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition	<b>Noted.</b> There is no change in the Phase I & II development.					

**Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II.**

Sr. No.	Specific Conditions	Compliance status as on 31.03.2024
	of new ones for ensuring environmental protection.	
P2(xiii), P1(xiii)	This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of the Ministry.	<b>Noted &amp; agreed.</b>
P2(xiv), P1(xiv)	This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.	<b>Noted &amp; agreed.</b>
P2(xv), P1(xv)	The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at Website of the Ministry of Environment & Forest at <a href="http://www.envforin.in">http://www.envforin.in</a> . The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bhopal.	<b>Complied.</b> <ul style="list-style-type: none"> <li>Advertisement of phase 1 approval was published in Gujarati language in "Sandesh" newspaper dated 01/09/2007 and in English language in "GUJARAT SAMACHAR" newspaper dated 11.9.2007.</li> <li>Advertisement of phase 2 approval was published in Gujarati language in "Divya Bhaskar" newspaper and in English language in "The Times of India" dated 19/11/2008.</li> <li>Copies of the advertisements were submitted to MoEF&amp;CC vide compliance report dated 27/11/2013.</li> </ul>
P2(xvi), P1(xvi)	The Project proponents should inform the Regional Office at Bhopal 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>Financial closure date of Project was 31<sup>st</sup> July 2007.</li> <li>Existing Facility – construction started date July 2007.</li> <li>Land development work for phase II started in Jan. 2009.</li> <li>The permission to construct of Solid Cargo Beth at Dahej port has been obtained from GMB vide letter dated 23 Feb 2006 bearing no GMB/N/PVT/264(10)/1910/11201.</li> </ul>
P2(xvii)	Any appeal against this environment clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Appellate Act, 1997	<b>Noted.</b>



	<b>ADANI PETRONET (DAHEJ) PORT LTD.</b>	<b>From: October 2023 To : March 2024</b>
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**Appendix - 1**

**Compliance to the conditions stipulated in CRZ clearance/  
recommendation for proposed cargo port terminal phase I, II**

	<b>ADANI PETRONET (DAHEJ) PORT LTD.</b>	<b>From: October 2023 To : March 2024</b>
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**Half yearly Compliance report for CRZ recommendation for development of Solid Cargo Port Terminal Phase – I and Phase – II**

Sr. no.	Conditions	Compliance status as on 31.03.2024
P2(1), P1(1)	The provisions of the CRZ notification of 1991 and subsequent amendments issued from time to time shall be strictly adhered to by the APPPL. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by the APPPL.	<b>Complied.</b> All the activities carried out are complying with the provisions of the CRZ notification and subsequent amendments.
P2(2), P1(2)	All necessary permissions from different Government Departments / agencies shall be obtained by the APPPL before commencing the expansion activities.	<b>Complied.</b> <ul style="list-style-type: none"> <li>• All the necessary permissions have been obtained by M/s. APDPL.</li> <li>• NOC obtained from Gujarat Maritime Board vide letter No. GMB/N/PVT/264(10)/1858-10215 dated 27.06.2006.</li> <li>• Environment Clearance for phase I &amp; Phase II obtained vide letters dated 6<sup>th</sup> July 2007 &amp; 11<sup>th</sup> November 2008 and bearing F. No. 11-37/2007-IA-III respectively.</li> <li>• Consent to Establish (CTE) and Consent to Operate (CTO) are obtained from GPCB and renewed/amendment from time to time as per the progress of the project activity.</li> </ul>
aP2(3), P1(5)	The APPPL shall carry out the construction activities either in the CRZ area or into the sea / estuary only after having the detailed study with respect to chances of erosion / accretion due to the proposed activities conducted through the NIO and vetted through the CWPRS and shall implement all necessary steps / actions as may be suggested by these institutes for mitigating the potential negative impacts including the checking of erosion and/or accretion in the region. Further, the company shall have to have the construction drawings approved for this purpose through a competent agency before undertaking any construction and/or enabling activities at the site	<b>Complied.</b> <ul style="list-style-type: none"> <li>• Construction (Phase I &amp; II) of the port was completed in February 2011.</li> <li>• The approval for the project has been obtained from concern government department that is GMB as per their NOC date 23/02/2006.</li> <li>• Necessary approval has been obtained from GIDC for the setting of the project vide letter ref no. GIDC/DM/CG/ANK/87.</li> <li>• CTE obtained from GPCB vide letter no. GPCB/BRCH/NOC-2528/8018 dated 31.03.2006.</li> </ul>
P2(4), P1(7)	The APPL shall have to face the consequences whatsoever due to implementation of the Kalpsar Project proposed by the Government of Gujarat and shall have to take all necessary actions	<b>Noted and agreed to comply.</b>

**Half yearly Compliance report for CRZ recommendation for development of Solid Cargo Port Terminal Phase – I and Phase – II**

Sr. no.	Conditions	Compliance status as on 31.03.2024
	as may be desired by the Government, from time to time.	
P2(5), P1(10)	No dredging and/or reclamation activity shall be carried out in the CRZ area categorized as CRZ I (i) and it shall have to be ensured that the mangrove habitats and other ecologically important and significant areas are not affected due to any of the project activities.	<b>Complied.</b> <ul style="list-style-type: none"> <li>No dredging/reclamation have been done in CRZ I (i).</li> <li>There is no wildlife sanctuary, national park in the vicinity of the project.</li> </ul>
P2(6), P1(11)	No effluent or sewage shall be discharged into the sea / creek or in the CRZ area and shall be treated to conform to the norms prescribed by the Gujarat Pollution Control Board and would be reused / recycled within the plant premises to the extract possible.	<b>Complied.</b> <ul style="list-style-type: none"> <li>No industrial effluent is generated from the port as no industrial process is carried out.</li> <li>Domestic effluent is being treated in STPs. The treated water confirming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from October 2023 to March 2024 are enclosed as <b>Annexure – 3F</b>.</li> <li>Reports are available at site for the inspection and APDPL regularly submits report to GPCB.</li> </ul>
P2(7), P1(12)	All the recommendations and suggestions given by the NIO in the Comprehensive Environment Impact Assessment report for conservation / protection and betterment of environment shall be implemented strictly by the APPPL.	<b>Being Complied.</b> A Separate EIA has been prepared for phase III development, which includes EMP for the current scenario. All the recommendations and suggestions given by M/s Choramandalam in the EMP are being complied. Copy of the status of EMP recommendations is enclosed as <b>Annexure 6</b> .
P2(8), P1(13)	The construction and operational activities shall be carried out in such a way that there is no negative impact on mangroves and other coastal/marine habitat. The construction activities shall be carried out only under the constant supervision of the NIO.	<b>Complied.</b> <ul style="list-style-type: none"> <li>Construction (Phase I &amp; II) of the project was completed on February 2011.</li> <li>Free flow to the mangroves near the jetty approach is maintained.</li> </ul>
P2(9), P1(14)	The APPL shall strictly ensure that no creeks are blocked due to any activity at port and the mangroves habitat are neither disturbed nor destroyed due to any activity.	<b>Complied.</b> <ul style="list-style-type: none"> <li>No creeks are blocked due to port activity.</li> <li>Free flow to the mangroves near the jetty approach is maintained.</li> </ul>
P2(10), P1(15)	The APPL shall participate financially for any common facility that may be established or any common study that may be carried out for the Gulf of Khambhat region for environmental protection and/or management purpose.	<b>Noted and agreed to comply.</b> APDPL is committed for participate financially for any common facility being established or any common study carried out in Gulf of Khambhat region for the environment protection and management purpose.

**Half yearly Compliance report for CRZ recommendation for development of Solid Cargo Port Terminal Phase – I and Phase – II**

Sr. no.	Conditions	Compliance status as on 31.03.2024
P2(11), P1(16)	The construction debris and/or any other type of waste shall not be disposed into the sea, creek or in the CRZ areas. The debris shall be removed from the construction site immediately after the construction is over.	<b>Complied.</b> Construction of the project was completed on February 2011.
P2(12), P1(17)	The construction camps shall be located outside the CRZ area and the construction labour shall be provided 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> <ul style="list-style-type: none"> <li>Construction of the project was completed on February 2011.</li> <li>No labour camps were 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.</li> </ul>
P2(13), P1(18)	The APPPL shall prepare and regularly update their 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 India Coast Guard.	<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> <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>
P2(14),P1(19)	The APPPL shall bear the cost of the external agency that may be appointed by this Department for supervision/monitoring of proposed activities and the environmental impacts of the proposed activities.	<b>Noted and agreed to comply.</b>

	<b>ADANI PETRONET (DAHEJ) PORT LTD.</b>	<b>From: October 2023 To : March 2024</b>
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Half yearly Compliance report for CRZ recommendation for development of Solid Cargo Port Terminal Phase – I and Phase – II		
Sr. no.	Conditions	Compliance status as on 31.03.2024
P2 (15)	The mangrove plantation in 50 ha. of area on Gujarat cost line shall be carried out by the applicant in a phased manner in five years	<b>Complied.</b> Mangrove afforestation has been carried out in an area of 450 ha. Details are given below. <ol style="list-style-type: none"> <li>1. 100 ha near village Dandi, Dist Surat– 2011</li> <li>2. 50 ha near village Jakhau, Dist Kutch – 2011</li> <li>3. 50 ha near Padri bit, Dist Bhavnagar – 2011</li> <li>4. 200 ha near Malpur, Ta. Jambusar – 2013-14</li> <li>5. 50 ha Devjagan/Nada Ta. Jambusar – 2017 – 18</li> </ol> (Done as part of compliance to Phase – III EC & CRZ Clearance conditions) Reports of 400 Ha Mangrove afforestation were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017 and Report of 50 ha. Mangrove afforestation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 29/05/2019.
P2 (16)	The construction activities in the Forest land and the Gauchar land shall be carried out as per the permission accorded by the concerned Authority for the said purpose	<b>Complied.</b> Construction of the project was completed in February 2011 in compliance to the approvals.
P1(3)	The APPPL shall take up massive mangrove plantation in 200 ha of area in and around the project site or at an alternative site to be selected in consultation with this Department.	<b>Complied.</b> Mangrove afforestation has been carried out in an area of 450 ha. Details are given below. <ol style="list-style-type: none"> <li>1. 100 ha near village Dandi, Dist. Surat– 2011</li> <li>2. 50 ha near village Jakhau, Dist. Kutch – 2011</li> <li>3. 50 ha near Padri bit, Dist. Bhavnagar – 2011</li> <li>4. 200 ha near Malpur, Ta. Jambusar – 2013-14</li> <li>5. 50 ha Devjagan/Nada, Ta. Jambusar – 2017 – 18</li> </ol> (Done as part of compliance to Phase – III EC & CRZ Clearance conditions) Reports of 400 Ha Mangrove afforestation were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017 and Report of 50 ha. Mangrove afforestation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 29/05/2019.

	<b>ADANI PETRONET (DAHEJ) PORT LTD.</b>	<b>From: October 2023 To : March 2024</b>
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**Half yearly Compliance report for CRZ recommendation for development of Solid Cargo Port Terminal Phase – I and Phase – II**

Sr. no.	Conditions	Compliance status as on 31.03.2024
P1(4)	The approach road and trestle passing through the forestland shall be constructed only after obtaining necessary permissions under the relevant forest laws including the forest (Conservation) Act. further, no activity shall be carried out in the forestland or in the area having natural plantation / forest till all mandatory clearances under various Forest Acts including the Forests Conservation Act obtained.	<b>Complied.</b> <ul style="list-style-type: none"> <li>All the activities on forest land have been started only after obtaining forest land clearance.</li> <li>Clearance from MOEF was obtained vide letter no 6-GJC060/2006-BHO/1508 dated 16<sup>th</sup> June 2008.</li> <li>The same was communicated by State Forest Department vide letter no A-1006(10-9) SF-76-K dated 1<sup>st</sup> July 2008 from DOEF.</li> </ul>
P1(6)	The project proponent shall have to make a separate application and shall have to obtain prior clearance under the CRZ Notification for any activities other than those proposed and got approved as part of this phase I activities.	<b>Complied.</b> APDPL had obtained Environmental & CRZ Clearance on Nov 11, 2008 for phase 2 vide letter no.11-37/2007-IA.III.
P1(8)	The project proponents shall ensure that the local people shall be provided with an alternative access to the sea in case the existing access to Rock-Bund could not be made available to them.	<b>Complied.</b> Alternative access to the sea is available adjoining the project site.
P1(9)	The project proponents shall ensure that the construction period shall be reduced by proper planning and executing the construction program in time-bound manner to avoid any time over-run.	<b>Complied.</b> Construction of the project was completed in February 2011.
P1(20)	The jetty and most of the approach would be supported on piles allowing adequate flow of water without significant obstruction.	<b>Complied.</b> The jetty and most of the approach of 1270 meter is supported on piles allowing adequate flow of water without significant obstruction.
	<b>General Conditions</b>	
P2(17),P1(21)	The groundwater shall not be tapped by the APPPL to meet with the water requirements in any case.	<b>Complied.</b> Ground water is not tapped for the project. Water requirement is being met through GIDC water supply. Two Piezometers have been installed at different locations inside port. Regular monitoring of ground water level & quality is being done through NABL accredited & MoEF&CC recognized laboratory M/s. Kadam Environment Consultant. Results are attached in <b>Annexure 3B</b> .
P2(18),P1(22)	The APPL shall take up massive green belt development activities in consultation with the Gujarat Institute of Desert Ecology/Forest	<b>Complying with.</b> Green belt is being developed in an area of 25.27 Ha including periphery of the project boundary. Details of the green belt development is enclosed is <b>Annexure – 4</b> .

	<b>ADANI PETRONET (DAHEJ) PORT LTD.</b>	<b>From: October 2023 To : March 2024</b>
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Half yearly Compliance report for CRZ recommendation for development of Solid Cargo Port Terminal Phase – I and Phase – II		
Sr. no.	Conditions	Compliance status as on 31.03.2024
	Department. A comprehensive plan for this purpose has to be submitted to the Forests and Environment Department.	
P2(19),P1(23)	The APPPL shall have to be contributing financially for taking up the socio-economic up-liftment activities in this region in consultation with the Forests and Environment Department and the District Collector/District Development Officer.	<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 – 7</b> .
P2(20),P1(24)	A separate budget shall be earmarked for environmental management and socio – economic activities and details thereof shall be furnished to this department as well as the MoEF, GOI. The details with respect to the expenditure from this budget head shall also be furnished.	<b>Complied.</b> Separate budget is allocated for Environmental Management and Socio-Economic activities. <ul style="list-style-type: none"> <li>• Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of budget for Environment Cell for the FY 2023-24 was approx. Rs. 599.98 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as <b>Annexure –5</b>.</li> <li>• Socio Economic activities are taken up in the areas of Education, Community Health and Sustainable livelihood development, Rural Infrastructure development etc. Details are enclosed as <b>Annexure – 7</b>.</li> </ul>
P2(21),P1(25)	A separate environmental 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 with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as <b>Annexure – 8</b> .
P2(22),P1(26)	Environmental Audit report indicating the changes, if any, with respect to the baseline environmental quality in the coastal and marine environment shall be submitted every year by the APPPL to this Department as well as to the MoEF, GOI.	<b>Complied.</b> Seawater and sediment is being monitored monthly by NABL accredited & MoEF&CC recognized laboratory M/s. Kadam Environment Consultants. Monitoring Report for the period October 2023 to March 2024 is enclosed in <b>Annexure 3C &amp; 3D</b> . No significant changes observed.
P2(23),P1(28)	A six-monthly report on compliance of the condition mentioned in this letter shall have to be furnished by the APPL on regular basis to this Department.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>• APDPL regularly submits six monthly compliance reports which comprises of Compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports to MOEF&amp;CC, GPCB, CPCB &amp; Forest Dept.</li> </ul>

	<b>ADANI PETRONET (DAHEJ) PORT LTD.</b>	<b>From: October 2023 To : March 2024</b>
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Half yearly Compliance report for CRZ recommendation for development of Solid Cargo Port Terminal Phase – I and Phase – II																							
Sr. no.	Conditions	Compliance status as on 31.03.2024																					
		<ul style="list-style-type: none"> <li>Last compliance report was submitted vide letter no. APDPL-EHS/MOEF RO/EC Comp (I&amp;II)/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) and our website: <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a> Please refer below for the details regarding past 6 compliance submissions.</li> </ul> <table> <tr> <th>S. No</th><th>Compliance Period</th><th>Date of Submission</th></tr> <tr> <td>1</td><td>Oct' 20 to Mar' 21</td><td>25.05.2021</td></tr> <tr> <td>2</td><td>April '21 to Sep. '21</td><td>29.11.2021</td></tr> <tr> <td>3</td><td>Oct'21 to Mar'22</td><td>27.05.2022</td></tr> <tr> <td>4</td><td>April '22 to Sep. '22</td><td>01.12.2022</td></tr> <tr> <td>5</td><td>Oct '22 to Mar '23</td><td>18.05.2023</td></tr> <tr> <td>6</td><td>April '23 to Sep. '23</td><td>29.11.2023</td></tr> </table>	S. No	Compliance Period	Date of Submission	1	Oct' 20 to Mar' 21	25.05.2021	2	April '21 to Sep. '21	29.11.2021	3	Oct'21 to Mar'22	27.05.2022	4	April '22 to Sep. '22	01.12.2022	5	Oct '22 to Mar '23	18.05.2023	6	April '23 to Sep. '23	29.11.2023
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6	April '23 to Sep. '23	29.11.2023																					
P2(24),P1(29)	Any other condition that may be stipulated by this Department from time to time for environmental protection/management purpose shall also have to be complied by the APPL.	<b>Noted and agreed to comply with</b> 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.																					
P1(27)	The APPPL shall have to contribute financially to support the National Green Corps scheme being implemented in Gujarat by GEER Foundation, Gandhinagar, in consultation with Forests and Environment Department.	<b>Complied.</b> A request in this regard for asking for the terms of Financial Contribution submitted to the GEER Foundation vide letter dated 17th April 2009.																					



### **Annexure – 1**

**Compliance status of the conditions by Forest and Environment Department, Govt. of Gujarat vide their letter No.-FCA-1006(10-9)SF-76-K, dated., 1.7.2008 and by Ministry of Environment and Forests, Regional Office, Western Region, Bhopal vide their letter No. 6-GJ060/2006-BHO/1508, dated 16.6.2008**

**Compliance:** Both above mentioned letters have the same conditions; Compliance of the same is given in table below:

S. No.	Condition	Compliance
1	The legal status of the forest land shall remain unchanged	<b>Noted.</b>
2(a)	Compensatory afforestation shall be taken up by the forest department over 38.00 Ha non forest land (Survey No.2, Village-Pingot, Ta. Valiya, Dist. Bharuch at the cost of the project authority.	<b>Complied.</b> <ul style="list-style-type: none"><li>• APDPL has transferred equivalent non forest land of 38 ha. Area of village Pingot, S. No. 2 paiki, Ta. Valiya, Dist. Bharuch in favour of Forest Department</li><li>• APDPL has deposited Rs. 33,06,000/- towards the cost of compensatory afforestation</li><li>• Compensatory plantation was taken up by Forest Department, Govt. of Gujarat.</li></ul>
2(b)	This CA land shall be notified as Reserved Forests.	<b>Complied.</b> The CA land has been notified as Reserved Forest vide notification dated 23/12/2008.
2(c)	The copy of the Notification issued under section 4 of the Indian Forest Act, 1927 shall be sent to this office within six months from the date of handing over of this forest land to the project authority.	<b>Complied</b> Copy of the same was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017.
3	Penal compensatory afforestation shall be raised over 4.00 ha. Degraded forest land in (Survey No. – 572) Village mirapur, Ta. Valia, Dist. Bharuch	<b>Complied.</b> <ul style="list-style-type: none"><li>• APDPL has deposited Rs. 3,48,000/- towards the cost of penal compensatory afforestation.</li><li>• Compensatory plantation was taken up by Forest Department, Govt. of Gujarat.</li></ul>
4	All the funds received from the user agency under the project shall be transferred to the Ad-hoc Compensatory Afforestation Fund management & planning Agency (CAMPA) in A/c No. CA-1583 of Corporation bank Block 11, CGO Complex, Phase – I, Lodhi Road, New Delhi – 110003.	<b>Complied.</b> <ul style="list-style-type: none"><li>• All the funds received from user agency under project have been transferred to CAMPA by Forest Department, Govt. of Gujarat.</li></ul>
5	The forest land shall not be used for any purpose other than that specified in the project proposal.	<b>Complied.</b> Forest land is being used as per the proposal for which clearance has been obtained.

**Annexure – 2: Details of the Fixed and Mobile Firefighting system**

<b>Fire Fighting Systems</b>	<b>Details</b>
Fire Hydrant	137 Nos.
Fire Monitor	65 Nos.
Risers (Dry+ wet)	17 Nos.
Fire Extinguisher	457 Nos.
Hose Box	180nos
Smoke Detector	325 Nos.
SCBA back late with Spare Cylinder	12+05 (17nos)
Nomex Suit	06nos
Aluminium Suit	03nos
Water jell Blanket.	02nos
Isolation Valve	50nos
Fire Bucket	105 Nos.
Emergency Siren	06 Nos.
Canister Mask	03 Nos.
Canister Cartridge (JLD)	16 Nos.
Port Water Reservoir Pump House	5040 KL
Silo Water Reservoir Pump House	4700 KL
<b>Fire Vehicles Detail</b>	
Multi-Purpose Fire Tender – Water & Foam	10 KL & 1.5
Dry Chemical Powder @ 50 Kgs. (MFT)	2 Nos.
CO <sub>2</sub> @ 4.5 Kgs. (MFT)	2 Nos.
Fire Tender (01 No.)	12 KL
Fire Water Bowser (01 No.)	7.5 KL
Trailer Pump (01 No.)	1800 LPM

# KADAM ENVIRONMENTAL CONSULTANTS

An ISO 9001-2015 Certified Company

(MoEF Approved)

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

Phone : (O) 0265 - 6131000, 6131001

## ENVIRONMENTAL MONITORING REPORT



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

### 3A. AMBIENT AIR QUALITY MONITORING: -

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

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

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

**Note:** Detection Limit, Lead as Pb: 0.1µg/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:



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## ENVIRONMENTAL MONITORING REPORT



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

### 3A. AMBIENT AIR QUALITY MONITORING: -

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

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

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

**Note:** Detection Limit, Lead as Pb: 0.1µg/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>

*[Handwritten signature]*



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## ENVIRONMENTAL MONITORING REPORT



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

### 3A. AMBIENT AIR QUALITY MONITORING: -

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

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

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

**Note:** Detection Limit, Lead as Pb: 0.1µg/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 October-2023 to March-2024

### 3A. AMBIENT AIR QUALITY MONITORING: -

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

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

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

**Note:** Detection Limit, Lead as Pb: 0.1µg/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>





## ENVIRONMENTAL MONITORING REPORT

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

### 3A. AMBIENT AIR QUALITY MONITORING: -

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

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

**Observation:** Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/90/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 October-2023 to March-2024

### 3A. AMBIENT AIR QUALITY MONITORING: -

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

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

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

**Note:** Detection Limit, Lead as Pb: 0.1µg/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



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

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

October-2023 to March-2024

#### 3B.1 Near EHS Building

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

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

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

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## ENVIRONMENTAL MONITORING REPORT



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

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

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## ENVIRONMENTAL MONITORING REPORT

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

SR. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SOUTH SIDE											
			Oct-23		Nov-23		Dec-23		Jan-24		Feb-24		Mar-24	
			28.10.2023		21.11.2023		14.12.2023		25.01.2024		26.02.2024		22.03.2024	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	6.86	7.66	6.7	6.93	7.78	7.9	7.59	7.31	7.63	7.37	7.64	7.42
2	Temperature	°C	27	27	28.6	28.6	26.4	26.4	26.2	26.2	25.7	25.7	28.9	28.9
3	Ammonical Nitrogen	mg/L	<0.05	<0.05	<0.05	<0.05	3.91	1.83	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
4	Phosphate	mg/L	<0.02	<0.02	<0.02	<0.02	0.99	0.38	<0.02	<0.02	<0.02	<0.02	<0.02	<0.02
5	Nitrite	mg/L	<0.05	<0.05	<0.05	<0.05	0.67	0.58	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
6	Nitrate	mg/L	<0.1	<0.1	<0.1	<0.1	36.73	28.34	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
7	COD	mg/L	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5	<5
8	BOD at 27° C 3Days	mg/L	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2	<2
9	Total Dissolve Solids	mg/L	35560	33332	28461	26983	29168	29448	21884	23220	22067	22896	22230	23786
10	Total Suspended Solids	mg/L	21	36	129	141	2532	3560	7	6	13	10	19	12
11	Oil & Grease	mg/L	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
12	Dissolve Oxygen (D.O)	mg/L	3.2	2.9	5.1	5.3	2.7	3.0	4	3.6	3.1	3.3	3.8	3.1
13	Salinity	mg/L	29797	31119	25488	24044	3326.10	3413.78	21157	22038	21214	22096	21357	22236
14	Total Nitrogen	mg/L	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
15	Total Coliform Bacteria	MPN/100ml	N.D.( $<1.8$ )	N.D.( $<1.8$ )	540	N.D.( $<1.8$ )	N.D.( $<1.8$ )	N.D.( $<1.8$ )	N.D.( $<1.8$ )	N.D.( $<1.8$ )	N.D.( $<1.8$ )	N.D.( $<1.8$ )	N.D.( $<1.8$ )	N.D.( $<1.8$ )
16	E.coli	/100ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
17	Total Plate count	CFU/ml	$28 \times 10^2$	$28 \times 10^2$	$20 \times 10^2$	$35 \times 10^1$	$38 \times 10^2$	$11 \times 10^2$	$30 \times 10^2$	$9 \times 10^2$	$27 \times 10^2$	$11 \times 10^2$	$30 \times 10^2$	$11 \times 10^2$

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## ENVIRONMENTAL MONITORING REPORT

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

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

  
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## ENVIRONMENTAL MONITORING REPORT



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

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

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

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

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## ENVIRONMENTAL MONITORING REPORT

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

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

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

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

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## ENVIRONMENTAL MONITORING REPORT



### 3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -

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

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

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

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## ENVIRONMENTAL MONITORING REPORT

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

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

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

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## ENVIRONMENTAL MONITORING REPORT

### 3G. AMBIENT NOISE LEVEL MONITORING: -


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

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT



### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT



### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT



### 3G. AMBIENT NOISE LEVEL MONITORING: -

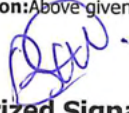
Tables - 4 - Near Substation 7B Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT

### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

  
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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 October-2023 to March-2024

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT

### 3G. AMBIENT NOISE LEVEL MONITORING: -

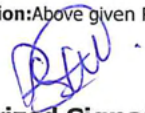
Tables - 7 - ODC Gate Ambient Noise Level Monitoring Results during the  
Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT



### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT



### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT

### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

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**ENVIRONMENTAL MONITORING REPORT****3G. AMBIENT NOISE LEVEL MONITORING: -**

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

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

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

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

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

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



## ENVIRONMENTAL MONITORING REPORT

### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

**Authorized Signatory**

**ENVIRONMENTAL MONITORING REPORT****3G. AMBIENT NOISE LEVEL MONITORING: -****Tables - 13 - Behind Boundary of GCPTL Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024**

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT

### 3G. AMBIENT NOISE LEVEL MONITORING: -

Table-14-Lakhi Village (Below Conveyer Belt) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT

### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

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## ENVIRONMENTAL MONITORING REPORT



### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT



### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT

### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT

### 3G. AMBIENT NOISE LEVEL MONITORING: -

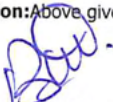
Tables - 19 - Loco Shed Ambient Noise Level Monitoring Results during the  
Day Time and Night Time in dB(A)Leq for the period of October-2023 to March-2024

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT



### 3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

  
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## ENVIRONMENTAL MONITORING REPORT



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

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

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

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

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## ENVIRONMENTAL MONITORING REPORT

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

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

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**Annexure 4 Green Zone Detail**  
**Adani Petronet Dahej Port Ltd**

Sr.No.	Green Zone	Location	Area in (Ha.)	Tree(No.)	Name of Plants	Shrubs(Sqm)	Green carpet(Sqm)	Palm	Remark
1	68 (a)	CG-3	0.02		Ixora	200			
			0.01		Hibiscus	139			
			0.03		Eranthemum	270			
		PMC office area Landscape	0.45	500	Delonix regia				
			0.23	250	cassia simia				
			0.20	450	Coconut spp.				
			0.10		Shrub	1000			
			0.07		lilly	730			
			0.15		Lawn		1500		
			0.020		Palm			50	
			0.008000	20	peltoferum				
		Back side lakhibaba temple 28Boundry site plantation (phase -1)	0.39	1700	Casurina Equisitifolia				
				821	eucalyptus				
		Back side lakhibaba temple 28Boundry site plantation (phase -1 a )	0.27	600	Casurina Equisitifolia				



**Annexure – 5: Environment Budget and Expenditure for the FY: 2023-24**

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

**Annexure-6: 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> </ul>

S. No.	EMP Conditions	Compliance Status
		<ul style="list-style-type: none"><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>
	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.
1.3	<b>Sewage Management Plan</b>	
	<p>Sewage generated from the construction site will be treated in existing STP of 27 m<sup>3</sup> capacity.</p> <p>Treated water will be used for green belt development / landscaping after achieving GPCB prescribed standards.</p>	<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 October 2023 to March 2024 are enclosed as <b>Annexure -3F</b> .
1.4	<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.
1.5	<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.



S. No.	EMP Conditions	Compliance Status
B.	<b>ENVIRONMENTAL MANAGEMENT PLAN (OPERATION PHASE)</b>	
2.1	<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 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	<b>Complying with.</b> All dust control systems are maintained and operating well. APDPL has constructed 10 KM long fully mechanized closed conveyor belt with water sprinkling facility for transfer of coal from North Jetty to coal yard and also from coal yard to the rail wagon loading area at a cost of 150 crore. This closed conveyor system reduces the coal dust generation significantly.
	At coal stack yard, 100 sprinklers have been installed to control fugitive coal dust emissions. At a time 4 sprinklers will be operated and consumes water around 3600 LPM. Similarly, for the proposed expansion of port from 11.7 to 23 MMTPA such a robust DFDS and Sprinklers will be installed and maintained with maximum efficiency.	<b>Complying with.</b> <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>
	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.	<b>Shall be complied.</b> APPL 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> Wind break walls have been erected around the coal stockpile area at a height of 14 m from the ground level. The length, width and thickness of each galvanized sheet-based wind break metal shield are about 2950 mm, 1250 mm and 0.7 mm

S. No.	EMP Conditions	Compliance Status
		respectively. The aperture is round shaped, and diameter of each aperture is about 3.5 to 4 mm. The aperture occupies 30 - 40% of a wind break sheet. Several wind break metal sheets are connected and have been fitted in structural beams to control the wind carryover of the dust from the stockpiles. An amount of 58 crore is spent by APDPL in erecting and marinating the wind breaking wall around the coal yard Wind breaker of the same specification shall be provided in the additional storage area once completed.
	Road sweeping of dust is being undertaken using mobile van thereby preventing settled dust gets airborne due to movement of vehicles and high wind velocity and the same is recommended.	<b>Complying with.</b> 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.
	High-capacity vacuum cleaning machine installed at mobile truck is deployed for removal of dust settled on roads and the same practices will be implemented in the proposed project.	
	Regular wetting of the roads is undertaken through dedicated truck mounted spray arrangement with least water consumption. The same will be implemented in the proposed activities.	<b>Complying with.</b> Sprinkling of water is being done on the roads to control the dust.
<b>2.2</b>	<b>Noise Control Management Plan</b>	
	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	<b>Shall be complied.</b> Mechanization of the south jetty is yet to be done.
	DG sets installed in open area will be provided with acoustic enclosure	<b>Complying with.</b>

S. No.	EMP Conditions	Compliance Status
		DG sets installed in open area are provided with acoustic enclosure.
	Compressors and Diesel generators and pump house will be installed in separate building provided with noise absorbing materials on the walls	<b>Complying with.</b> Compressor and DG sets & Pump house are installed in separate building and provided with acoustic enclosures.
	Movement of vehicles within the port will be restricted with speed control measures	<b>Complying with.</b> <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>
	Using silent exhaust pipes for major diesel engine vehicles and heavy trucks operated inside the port	<b>Complying with.</b> All major diesel engine vehicles and heavy trucks operated inside the port are with silent exhaust.
	Planting trees which act as barrier to arrest dispersion of noise levels along the internal roads and port boundary	<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 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> APDPL 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.
	• 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.	<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	<b>Complying with.</b>



S. No.	EMP Conditions	Compliance Status
	operation. As part of the plan, a scavenging boat will be anchored for collection of waste due to windblown into the sea.	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 planted along the coal stacking yards and periphery of port area.	<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 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>	<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 – 7</b> .
	<b>Education Promotion Programs</b>	

S. No.	EMP Conditions	Compliance Status																							
	<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>																								
	<b>Economic Development Programs</b> <ul style="list-style-type: none"> <li>✓ Knowledge centre regarding various government schemes and latest technology</li> <li>✓ Skill Development Training Programs</li> </ul>																								
	<b>Women Empowerment</b> <ul style="list-style-type: none"> <li>✓ Sanitation Promotion Programs</li> <li>✓ Construction and Maintenance of Sanitation complex</li> <li>✓ Awareness Programs</li> </ul>																								
	<b>Infrastructure development Programs</b> <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>																								
2.7	<b>Village Specific Infrastructure Development Programs:</b> <table border="1"> <thead> <tr> <th>S. No.</th><th>Village</th><th>Programs</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Luvara</td><td>Developing proper drainage system in the village.</td></tr> <tr> <td>2.</td><td>Dahej</td><td>Providing Safe Drinking water Facilities in the schools</td></tr> <tr> <td>3.</td><td>Dahej</td><td>Developing medical facilities in the PHC such as facilities for storage of perishable medicines,</td></tr> <tr> <td>4.</td><td>Jageshwar</td><td>Developing Drainage System</td></tr> <tr> <td>5.</td><td>Lakhigam</td><td>Developing Drainage System</td></tr> <tr> <td>6.</td><td>Lakhigam Luvara Jageshwar</td><td>Developing Solar Street Light and Internal Village Roads</td></tr> <tr> <td>7.</td><td>Ambetha</td><td>Developing Drainage System</td></tr> </tbody> </table>		S. No.	Village	Programs	1.	Luvara	Developing proper drainage system in the village.	2.	Dahej	Providing Safe Drinking water Facilities in the schools	3.	Dahej	Developing medical facilities in the PHC such as facilities for storage of perishable medicines,	4.	Jageshwar	Developing Drainage System	5.	Lakhigam	Developing Drainage System	6.	Lakhigam Luvara Jageshwar	Developing Solar Street Light and Internal Village Roads	7.	Ambetha
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7.	Ambetha	Developing Drainage System																							

S. No.	EMP Conditions			Compliance Status
	8.	Study Area Villages	Mobile Clinic providing medical facilities in the villages of the study area by having periodic visits and health camps.	
	9.	Study Area Villages	Developing Safe Drinking facilities at Schools in the study area.	
	10.	Jageshwar	Providing training programs on latest technology of fishing, free fishing equipments and providing vocational training programme for alternate income source.	
2.8	Environmental Management Cell			
	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.			<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 – 8</b> .
	EMC will be further strengthened in view of the proposed expansion by augmenting resources such as manpower and field equipments, for effective compliance of environmental clearance conditions. Environmental monitoring program will be undertaken by MoEF recognized and NABL accredited environmental laboratories as part of compliance report preparation and its submission to GPCB, MoEF Regional Office, Vadodara and New Delhi.			
2.9	Cost Estimates for Environmental Management Plan:			
	The estimated total cost of the proposed project is Rs.464.32 Crores.			<b>Complied.</b>



S. No.	EMP Conditions	Compliance Status
	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>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. 599.98 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as <b>Annexure -5</b>.</li> </ul>



2023-24

## Half Yearly CSR Report - Dahej



Team Dahej

4/29/2024

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## Demographic Profile

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

## Executive Summary

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

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

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

## Main section

### 1.1 Education

#### SDG Alignment

#### Sustainable Development Goal 4

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

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

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

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

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

#### This comprehensive intervention entails:

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

### Outreach of Project Utthan

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



## Progressive Learners Mainstreaming – 234 Students.

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

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

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



## E-learning classes

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



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

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

## Use of Library books

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

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



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

### Outreach strategies to support students' learning.

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



### Days' Celebration

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

### Team's Capacity Building

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

#### Impact:

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

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

### Promotion of Sports – Athletic Meet

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



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



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



## 1.2 Community Health

### SDG Alignment

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

### ADOLESCENT GIRLS' HEALTH AWARENESS TRAINING PROGRAM

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

#### Output:

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



Adolescents Girls Health Awareness & Training Program Coverage



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

#### Other Activities:

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

#### Convergence with Govt. Scheme Pradhan Mantri Jan Aarogya Yojna

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

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

### 1.3 Sustainable Livelihood

#### Adani Kamdhenu Project:

**SDG Alignment: 2/1.1, 2.5**

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

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

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

#### INSEMINATION:

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

#### CALVING

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

#### Adani Kamdhenu Dairy Development Project

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

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

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

## HEAT SYNCHRONIZATION

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

## ANIMAL HEALTHCARE:

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

### Health Camps:

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

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

#### TRAININGS:

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

#### VACCINATION:

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



#### IMPACT OF CATTLE BREEDING PROGRAM: October 2023 to March 2024

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

#### IMPACT OF CATTLE BREEDING PROGRAMME



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

#### Annexure 1

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

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

## ANNEXURE 2

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

## ANNEXURE 3

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

## Adani Annapurna Project

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

### Key Highlights:

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

### Outcome:

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



## Adani's Mahila Movement for Advancement - (AMMA)

### SDG Alignment 5: Gender Equality

#### Achieve gender equality and empower all women and girls.

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

#### Self Help Groups' Status: October to March 2024

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



## International Women's Day Celebration

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

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

School girls presented tribal folk dance on the day.



## Suva Gaushala – an Integrated Model

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

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

### Key Highlights

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

## Support to PVTG & Halpati:

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



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

## Community Engagement

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



## 1.4 Community Development

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

### 1.4.1 Construction of Multipurpose Hall at Lakhigam

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

Key amenities provided:

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

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



**Multipurpose Hall, Lakhigam**

## 1.5 Climate Action

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

### 1.5.1 Installation of Solar panel on Multipurpose Hall at Lakhigam

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

System consists of:

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

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

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



### **6 kW capacity Solar power generating system.**

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



## Linkage with Govt. Schemes

### Tribal area: Netrang

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

### In Dahej area

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

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

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

## 1.6 Human interest stories

### Background Information

Student's Name: Nileshbhai Bhavikbhai Rathod

Age: 11 years

Standard: 5th , Primary school Luvara.

Village : Luvara , Block; Vagra District:  
Bharuch.

Student Mother: Nilamben Bhavikbhai Rathod  
(Housewife)

Father Name: Bhavikbhai Rathod.

Father's qualification 10th standard.

Father's occupation: Mandap service.

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

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

Thanks Project Utthan – Adani Foundation



**Name of Farmer: - Mrs. Sakuben Girishbhai Gohil**

**Village: - Nandharkha**

**Name of CBC: - Kadodara**

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



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

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

Name: Bhagubhai Vasava

Age: 61 years

Village: Kavachiya, Taluka; Netrang, Distt: Bharuch

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

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

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

Thanks Adani Foundation for your timely support.





## 1.7 Employee Volunteering Program

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

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

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

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

**SHGs sold items of more than Rs.18000/-**









## 1.10 Beneficiaries count<sup>1</sup>

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



## Adani Foundation team

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



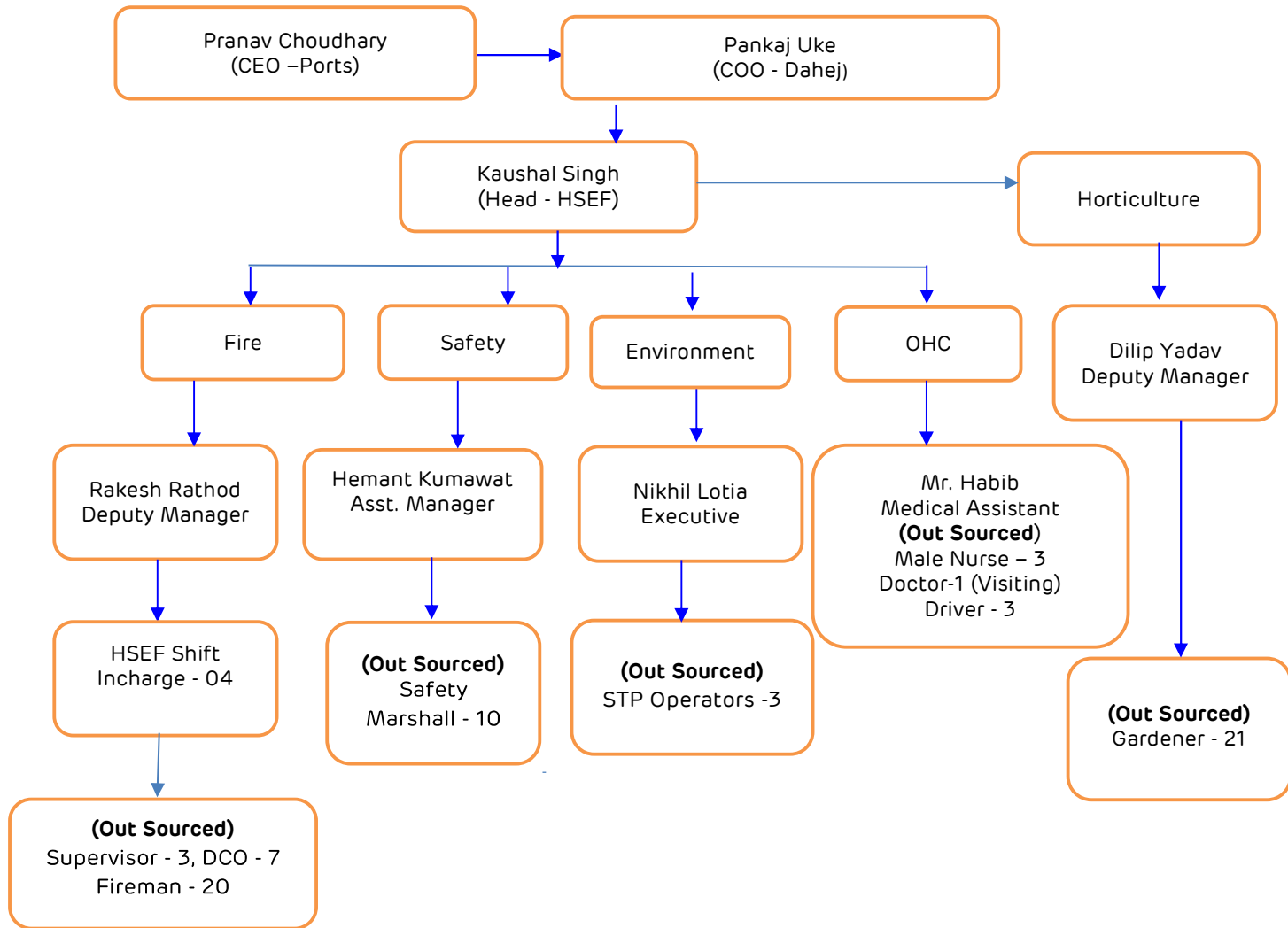
**Site office address:**

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

## Annexure - 8: 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	Manager -HSEF	Dip-Mech, PGDFS, NEBOSH	19 Years
2.	Rakesh Rathod	Deputy Manager- HSE	B.E. Mech., M. tech – Industrial Safety, PDIS	18 Years
3.	Dilip Yadav	Deputy Manager (Horticulture)	B. Tech Agriculture Science	17 Years
4.	Hemant Kumawat	Asst. Manager	Dip – Mech, Dip. In Fire & Safety, NEBOSH	16 Years
5.	Nikhil Lotia	Executive	B.E. Environment	9 Years