

AHPL/MoEF&CC/2021-22/03

Date: 29.11.2021

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
Email: rowz.bpl-mef@nic.in, ecompliance-guj@gov.in

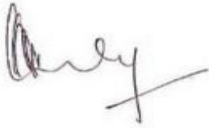
Dear Sir,

Sub.: Six Monthly Compliance Report of conditions stipulated in Environment and CRZ Clearance for the development of Multi Cargo Port with Supporting Utilities and Infrastructure Facilities at Hazira, Surat, Gujarat for the period: **April 2021 to September 2021.**

Ref.: 1). Environmental and CRZ Clearance issued by MoEF & CC, New Delhi vide letter No.: 11-150/2010-IA.III dated 03rd May, 2013.
2). CRZ Recommendations issued by Forests & Environment Department, Govt. of Gujarat to MoEF & CC, New Delhi vide letter No.: ENV-10-2012-30-E dated 11th May, 2012.

Please find enclosed herewith point wise compliance report of conditions stipulated in the above referred letters regarding Environment Clearance and Coastal Regulation Zone Clearance for the period of **April 2021 to September 2021.**

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



(Pranav Choudhary)
Authorized Signatory

Encl.: As above

Cc to:

1. Add. Secretary, Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal - 462016 (Madhya Pradesh)
2. The Director (Monitoring - IA Division), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003.
3. The Director, Forests & Environment Department, Block - 14, 8th Floor, Sachivalaya, Gandhinagar, Gujarat - 382 010.
4. The Zonal Officer, Central Pollution Control Board, Zonal Office Vadodara, Parivesh Bhawan, Opp. VMC Ward Office No.:10, Subhanpura, Vadodra-390 023.
5. The Chairman, Gujarat Pollution Control Board, Parvayaran Bhawan, Sector - 10A, Gandhinagar-382 010 (Gujarat).
6. The Regional Officer, Gujarat Pollution Control Board, Belgium Square, Ring Road, Surat-395003, (Gujarat).

Adani Hazira Port Ltd.
At & Po Hazira
Choryashi
Surat 394 270
Gujarat, India
CIN: U4509GJ2009PTC058789

Registered office: Adani Corporate House, Shantigram, Near Vaishno Devi Circle, S. G. Highway, Khodiyar, Ahmedabad-382421, Gujarat, India

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SIX MONTHLY COMPLIANCE REPORT
OF
ENVIRONMENT AND CRZ CLEARANCE ISSUED BY MOEF & CC, NEW DELHI
VIDE LETTER NO.: 11-150/2010-IA.III, DATED 03RD MAY, 2013
FOR
THE DEVELOPMENT OF MULTI CARGO PORT WITH SUPPORTING UTILITIES AND
INFRASTRUCTURE FACILITIES AT HAZIRA, SURAT, GUJARAT
COMPLIANCE PERIOD- APRIL 2021 to SEPTEMBER 2021

SUBMITTED BY
M/s. ADANI HAZIRA PORT. LTD.
HAZIRA, TAL-CHORYASI, DIST-SURAT
GUJARAT

LIST OF APPENDIXES

APPENDIX	DETAILS
1.	Compliance To The Conditions Stipulated In CRZ Recommendations Issued By Forests & Environment Department, Government Of Gujarat To MOEF & CC, New Delhi Vide Letter No.: ENV-10-2012-30-E, Dated 11th May, 2012.

	Adani Hazira Port Limited	From: April 2021 to September 2021
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LIST OF ANNEXURES

ANNEXURE NO.	DETAILS
1	Action Plan And Compliance Status On The Issues Raised During The Public Hearing.
2.	Details Of The CSR Activities Along With Budgetary Provisions And Expenditures For the compliance period April 2021 to September 2021
3	Compliance Status of Environmental Management Plan As Per Integrated EIA Report - September, 2012.
4.	Environmental Monitoring / Analysis Results For The Period From April 2021 to September 2021
5.	Photographs of Air Pollution Control Measures and Green Belt area
6	Organogram Of AHPL - Environment Management Cell.
7	Details of Environment Management Budget and Expenditure for the Compliance Period April 2021-September 2021
8	Copy of renewed PESO Licence
9	Copy of Form V (Environment Statement) for FY 2020-21
10	Details of Liquid/Wastes Collection & Disposed off from Vessels by GPCB Approved Third Party during period October 2020 to March 2021

- A.** Six Monthly Compliance Report for Environmental and CRZ Clearance issued by MoEF & CC, New Delhi vide letter No.: **11-150/2010-IA.III dated 03rd May, 2013** for the development of Multi Cargo Port with supporting utilities and infrastructure facilities at Hazira, Surat, Gujarat by M/s. Adani Hazira Port Ltd (Earlier Known as Adani Hazira Port Pvt Ltd).:-

S. No.	Stipulated Conditions	Compliance Status																		
6.	Specific Conditions																			
i.	<p>"Consent for Establishment" shall be obtained from State Pollution Control Board under Air & Water Act and a copy shall be submitted to the Ministry before start of any construction work at site.</p>	<p>Complied,</p> <p>AHPL obtained Consent to Establish (NOC) from Gujarat Pollution Control Board on 16.05.2012 and the same was submitted to the Ministry on 05.10.2012 prior to obtaining the Environment and CRZ clearances. Subsequently there were amendments in the Consent to Establish which were also submitted to the MoEF&CC before start of respective construction as per the details given below: -</p> <table border="1"> <thead> <tr> <th>Consent No.</th><th>Issued On</th><th>Submitted To MoEF & CC On</th></tr> </thead> <tbody> <tr> <td>CTE_49766</td><td>05.10.2012</td><td>Along with Six Monthly Compliance Report dated 19.11.2014 & 19.05.2017.</td></tr> <tr> <td>CTE-64900</td><td>26.09.2014</td><td>Along with Six Monthly Compliance Report dated 12.05.2015 & 19.05.2017.</td></tr> <tr> <td>CTE-74330</td><td>13.01.2016</td><td>Along with Six Monthly Compliance Report dated 23.05.2016 & 19.05.2017.</td></tr> <tr> <td>CTE-77767</td><td>16.04.2016</td><td>Along with the Six Monthly Compliance Report dated 21.11.2016 & 19.05.2017.</td></tr> <tr> <td>CTE-101590</td><td>20.05.2019</td><td>Along with the Six Monthly Compliance Report dated 27.11.2019</td></tr> </tbody> </table> <p>The port is in operation with valid CC&A (Consent to Operate).</p>	Consent No.	Issued On	Submitted To MoEF & CC On	CTE_49766	05.10.2012	Along with Six Monthly Compliance Report dated 19.11.2014 & 19.05.2017.	CTE-64900	26.09.2014	Along with Six Monthly Compliance Report dated 12.05.2015 & 19.05.2017.	CTE-74330	13.01.2016	Along with Six Monthly Compliance Report dated 23.05.2016 & 19.05.2017.	CTE-77767	16.04.2016	Along with the Six Monthly Compliance Report dated 21.11.2016 & 19.05.2017.	CTE-101590	20.05.2019	Along with the Six Monthly Compliance Report dated 27.11.2019
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ii.	<p>The action plan on the issues raised during public hearing shall be submitted to the Pollution Control Board. The action plan shall be implemented without fail. Report on compliance shall be submitted to the Regional Office, MOEF along with the six-monthly reports.</p>	<p>Complied</p> <p>Public hearing (PH) was conducted on 14.08.2012. All the issues have been addressed adequately and to the satisfaction of the stakeholders. The action taken for implementation of the issues are being submitted to the Ministry as well as Gujarat Pollution Control Board along with the Six-Monthly EC Compliance report.</p> <p>The key points raised during PH were: -</p> <p>1) Preference to be given to the local people for employment and transport & other contracts.</p> <p>M/s. AHPL is giving preference to the locals for contracts, such as M/s. Hazira Vikas Samiti is engaged for providing transport facilities to employees. M/s. AHPL also giving preference for skilled local candidates for employment as per suitable requirements. As on 30th September 2021 total 195 out of 228 on roll employees are from Gujarat.</p>																		

S. No.	Stipulated Conditions	Compliance Status
		<p>2) Villagers were anxious about their displacement due to port development. M/s. AHPL has developed the port in uninhabited land by area reclamation and there is no acquisition of private property.</p> <p>The details action status of all other issues raised during the public hearing is enclosed as <u>Annexure-1</u></p>
iii.	All the recommendations of SCZMA shall be complied with.	<p>Being Complied</p> <p>All the recommendations of the Gujarat Coastal Zone Management Authority (GCZMA) are being complied. Compliance status of the conditions stipulated in GCZMA recommendations vide letter dated 11/05/2012 bearing No.: ENV-10-2012-30-E is enclosed as <u>Appendix-1</u>.</p>
iv.	Periodical study on shore line changes shall be conducted and mitigation carried out if necessary. The details shall be submitted along with six monthly monitoring reports.	<p>Complied.</p> <p>Shorelines change study was conducted through NIO, Vizag during the period from November 2014 to December, 2015. Report of the shoreline change study was submitted along with compliance report dated 21.11.2016. Study confirms that there is no significant change in the shoreline near by the port except for the approved layout of the AHPL. The report did not warrant any mitigation measures for protection of shoreline.</p> <p>There are no marine construction activities on shore after Dec 2016.</p> <p>M/s AHPL has issued the work order for Shoreline Change Assessment in the port boundary and nearby the area to a reputed Institute for carrying out shoreline change assessment and the report will be submitted after completion of the study.</p>
v.	Oil spills if any shall be properly collected and disposed as per Rules. Proper Oil Contingency Management Plan shall be put in the place.	<p>Complied.</p> <ul style="list-style-type: none"> • There was no Oil Spill during the compliance period. Also no oil spill has occurred till date at the port and in nearby area. • Oil Spill Contingency Plan has been prepared and the same was approved by Indian Coast Guard (Letter No.: 7563, dated 09.01.2014). • The same has been implemented at site to properly collect and dispose oil spills (if any). • The last Mock drill on scenario of Oil Spill was jointly organized with Shell LNG Terminal-Hazira, Reliance Industries Limited- Petrochemicals-Hazira, Sun Petro and CIL-Hazira on 27th January 2021. Photographs of the Mock drill are as under

S. No.	Stipulated Conditions	Compliance Status
		 <p>Pre deployment Briefing</p>  <p>Mobilization of Tier 1 and Tier 2 Equipment -BOOM</p>  <p>Mobilization of Tier 1 and Tier 2 Equipment</p>  <p>Beach clean up activity – Using Minivac and Star tank rigged for oil collection</p>

S. No.	Stipulated Conditions	Compliance Status																				
vi.	The detailed plan with budgetary provisions for the CSR shall be submitted to the ministry.	<p>Complied.</p> <ul style="list-style-type: none">CSR activities are carried out by Adani Foundation in four verticals i.e.: - (1) Education, (2). Community Health, (3). Sustainable Livelihood and (4). Rural Infrastructure Development.Detail of the CSR activities along with budgetary provisions and progress are regularly submitted to MoEF & CC as part of six monthly compliance reports.The budget of current Financial Year for CSR activities and expenditure in the compliance period is as under- <table><tr><th>Sr. No.</th><th>Vertical</th><th>Approved Budget (In Lacs Rupees)</th><th>Utilization amount (In Lacs Rupees)</th></tr><tr><td>1</td><td>Education</td><td>142.80</td><td>19.01</td></tr><tr><td>2</td><td>Health</td><td>104.45</td><td>46.79</td></tr><tr><td>3</td><td>Sustainable Livelihood Development</td><td>147.43</td><td>18.02</td></tr><tr><td>4</td><td>Civil Infrastructure Development</td><td>248.03</td><td>24.17</td></tr></table> <ul style="list-style-type: none">The status of the CSR activities carried out during the Compliance Period is enclosed as <u>Annexure-2</u>.	Sr. No.	Vertical	Approved Budget (In Lacs Rupees)	Utilization amount (In Lacs Rupees)	1	Education	142.80	19.01	2	Health	104.45	46.79	3	Sustainable Livelihood Development	147.43	18.02	4	Civil Infrastructure Development	248.03	24.17
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3	Sustainable Livelihood Development	147.43	18.02																			
4	Civil Infrastructure Development	248.03	24.17																			
vii.	All the recommendation of the EMP and DMP shall be complied within letter and spirit.	<p>Complied.</p> <ul style="list-style-type: none">Recommendation given in EMP is being complied in letter and spirit. Status of the same is enclosed as <u>Annexure-3</u>AHPL is an ISO 14001: 2015, ISO 9001:2015, ISO 48001: 2018 and ISO 50001: 2018 certified company. Copy of Certificates was submitted to the authorities with the Six Monthly Compliance Report (Oct 2019-March 2020) on 25.05.2020AHPL has developed and implemented DMP. Regular mock drill to ensure the compliance and preparedness is being done.<ul style="list-style-type: none">Last Mock Drill (On Site) was conducted on: – 15.09.2021, the scenario was ACN leakage from vessel dock line at MPB jetty followed by fire.Last Update of ERP & DMP: <u>03.02.2021</u>.Copy of the Schematic of ERP & DMP communication flow is submitted along with the six-monthly compliance report dated 19.05.2017. The Copy of updated ERP & DMP was submitted to the authorities along with last Six monthly Compliance report as Annexure 5 through e mail dated 28.05.2021 and acknowledgement received on 03.06.2021.																				
viii.	Periodical monitoring of the sea water quality at the outlet shall be carried out to check the discharge is meeting the standard and not causing any impact to marine life.	<p>Complied.</p> <ul style="list-style-type: none">Marine water quality is being monitored through M/s. Pollucon Laboratories, Surat (a MoEF&CC recognized and NABL accredited laboratory).The sea surface and bottom water quality is being monitored periodically. The trends with respect to baseline is being observed to ensure that the quality of sea water is not changing significantly.Monitoring of sea water quality at three locations is being done on monthly basis. Copy of the Sea Water Quality Monitoring /Analysis																				

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		<p>Reports for the period April 2021 to September 2021 is enclosed as Annexure-4D. The Summary of Sea Surface and bottom water quality for key physico chemical parameters are as under-</p> <table><tr><th>SR.NO</th><th>TEST PARAMETERS</th><th>UNIT</th><th>Min</th><th>Max</th><th>Avg</th><th>Limit as per Standards Harbor Water</th></tr><tr><td>1</td><td>pH</td><td>--</td><td>7.92</td><td>8.19</td><td>8.02</td><td>6.0-9.0</td></tr><tr><td>2</td><td>Temperature</td><td>°C</td><td>29.6</td><td>30.4</td><td>29.97</td><td>--</td></tr><tr><td>3</td><td>Total Suspended Solids</td><td>mg/L</td><td>112</td><td>261</td><td>212.28</td><td>--</td></tr><tr><td>4</td><td>BOD (3 Days @ 27 °C)</td><td>mg/L</td><td>ND</td><td>4.1</td><td>1.56</td><td><5.0</td></tr><tr><td>5</td><td>Dissolved Oxygen</td><td>mg/L</td><td>5.6</td><td>6.0</td><td>5.82</td><td>>3.0</td></tr><tr><td>6</td><td>Salinity</td><td>ppt</td><td>21.48</td><td>32.2</td><td>29.4</td><td>-</td></tr><tr><td>7</td><td>Oil & Grease</td><td>mg/L</td><td>ND</td><td>ND</td><td>ND</td><td>-</td></tr><tr><td>8</td><td>Nitrate as NO₃</td><td>µmol/L</td><td>2.10</td><td>4.29</td><td>3.043</td><td>-</td></tr><tr><td>9</td><td>Nitrite as NO₂</td><td>µmol/L</td><td>0.43</td><td>1.76</td><td>1.05</td><td>-</td></tr><tr><td>10</td><td>Ammonical Nitrogen as NH₃</td><td>µmol/L</td><td>2.10</td><td>2.89</td><td>2.39</td><td>-</td></tr><tr><td>11</td><td>Phosphates as PO₄</td><td>µmol/L</td><td>1.49</td><td>3.18</td><td>2.21</td><td>-</td></tr><tr><td>12</td><td>Total Nitrogen</td><td>µmol/L</td><td>5.60</td><td>7.89</td><td>6.49</td><td>-</td></tr><tr><td>13</td><td>Petroleum Hydrocarbon</td><td>µg/L</td><td>ND</td><td>17.60</td><td>3.88</td><td>-</td></tr><tr><td>14</td><td>Total Dissolved Solids</td><td>mg/L</td><td>24612</td><td>33560</td><td>31320</td><td>-</td></tr><tr><td>15</td><td>COD</td><td>mg/L</td><td>8.26</td><td>25.8</td><td>13.76</td><td>-</td></tr></table> <ul style="list-style-type: none">From the monitoring report it is evident that there is no significant change in the sea water quality with respect to standards of baseline level which could have impact on the marine life.AHPL has not discharged any water in the sea during the compliance period.	SR.NO	TEST PARAMETERS	UNIT	Min	Max	Avg	Limit as per Standards Harbor Water	1	pH	--	7.92	8.19	8.02	6.0-9.0	2	Temperature	°C	29.6	30.4	29.97	--	3	Total Suspended Solids	mg/L	112	261	212.28	--	4	BOD (3 Days @ 27 °C)	mg/L	ND	4.1	1.56	<5.0	5	Dissolved Oxygen	mg/L	5.6	6.0	5.82	>3.0	6	Salinity	ppt	21.48	32.2	29.4	-	7	Oil & Grease	mg/L	ND	ND	ND	-	8	Nitrate as NO ₃	µmol/L	2.10	4.29	3.043	-	9	Nitrite as NO ₂	µmol/L	0.43	1.76	1.05	-	10	Ammonical Nitrogen as NH ₃	µmol/L	2.10	2.89	2.39	-	11	Phosphates as PO ₄	µmol/L	1.49	3.18	2.21	-	12	Total Nitrogen	µmol/L	5.60	7.89	6.49	-	13	Petroleum Hydrocarbon	µg/L	ND	17.60	3.88	-	14	Total Dissolved Solids	mg/L	24612	33560	31320	-	15	COD	mg/L	8.26	25.8	13.76	-
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ix.	Transport of cargo shall in closed system and dust control viz. water sprinkler, along conveyor	<p>Complied.</p> <p>Following control measures are in place and effectively working at port to control fugitive dust: -</p> <ol style="list-style-type: none">Transportation of coal from jetty to coal storage yard through 1.7 Km. long covered conveyor belt.																																																																																																																

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	and transfer points shall be provided.	2. Water sprinklers in the coal yard, 3. Dust arresting sprinklers are installed on Coal Discharge Chute 4. Dust Suppression System / Spray Nozzles in Conveyor System and Discharge Chute, 5. Water spray through Water Browsers, 6. Water Mist Canon / Fog System, 7. Wind Brake Shield of 14 meters high and 1900 meters long, 8. Transportation of cargo from port to hinterland is being done through dumpers / trucks covered with tarpaulin, 9. Regular cleaning of roads through Road Sweeping Machines, and 10. Company has set up dedicated greenbelt area for plantation at periphery / avenue plantation / landscaping etc. Total greenbelt area developed so far is approx. 78.49 ha within the port premises. The photographs of Covered Conveyor belts, Mist Canyon and water sprinkling system, Green Belt area, Wind break shield, Road sweeping machines are attached herewith as Annexure 5
x.	Construction activity shall be carried out strictly as per the provisions of CRZ notification 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone.	Complied. <ul style="list-style-type: none"> No construction work other than those permitted in CRZ Notification has been done. Development of the port and other ancillary facility is being done as per the approval received under CRZ Notification, 2011 and EIA Notification, 2006.
xi.	The project shall be executed in such a manner that there shall not be any disturbance to the fishing activity.	Complied. <ul style="list-style-type: none"> AHPL is regularly working with fishermen to understand their needs and provide required support as part of CSR activities. AHPL is carrying out various CSR activities in the vicinity of port through Adani Foundation (AF), in the field of Education, Community Health, Sustainable livelihood development and Community Infrastructure development and also particular for fishermen community since 2012, the support was extended for providing gears to fishermen, house repairing and construction of house for Halpati community, education to kids from Halpati community and health camps. An amount of <i>1.88 Cr is spent from 2015-16 to 2019-20</i> on various activities specifically for fishermen community in and around the port area.
xii.	It shall be ensured that there is no displacement of people, houses or fishing activity as a result of the project.	Complied. <ul style="list-style-type: none"> There is no displacement of people, houses or fishermen as the port is being developed on reclamation land and land allotted by Government also there is no acquisition of private land. Majority of fishing activities are in the river TAPI estuary region which is approx. 3-4 KM away from the project site. There are few "PAGADIA" fishermen doing fishing near the project area. They are continuing with their activities without any disturbance
xiii.	The project proponent shall set up separate Environment	Complied.

S. No.	Stipulated Conditions	Compliance Status																																										
	Management Cell for effective implementation of the stipulated environmental safe guards under the supervision of a Senior Executive.	<ul style="list-style-type: none">Environment Management Cell has been set up with qualified staff to ensure the effective implementation of environmental safeguards at the Port. The Head of Environment Management Cell is CEO of the Port.In addition to the site Environment Management Cell a well-established corporate environment cell also ensures effective implementation of the environmental safeguards.Environment Management Cell Organogram is enclosed as <u>Annexure-6</u>																																										
xiv.	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Complied. <ul style="list-style-type: none">Separate budget has been allocated for the Environment Management. Allocated budget for the FY: 2021-22 is INR 571.80 and total expenditure during compliance period is INR 230.69 Lakhs regarding environment managementDetail of the environment budget of the current FY and expenditure incurred during compliance period is enclosed as <u>Annexure-7</u>Environment budget is not being diverted to any other purpose.																																										
7.	General Conditions																																											
i.	Appropriate measures must be taken while undertaking digging activities to avoid any degradation of water quality.	Complied. <ul style="list-style-type: none">No digging activities were carried out during the compliance period.No major digging activities were carried out. Proper care is taken to ensure that no excavated material is mixed with the water. Entire excavated material is being used in leveling and grading of project area.Marine, Surface and Ground Water quality is being monitored through M/s. Pollucon Laboratories Pvt. Ltd., Surat (a MoEF & CC and NABL accredited laboratory).Reports show that there are no impacts on the water quality. Copy of the water monitoring reports for the period, April 2021 to September 2021 is enclosed as <u>Annexure-4B, 4C, 4D</u> for ground, surface, and marine water quality, respectively. <p>Summary of Ground Water Quality (Annexure 4B) for Key parameters are as under</p> <table><tr><th>Sr. No.</th><th>TEST PARAMETER</th><th>UNIT</th><th>Min</th><th>Max</th><th>Avg</th></tr><tr><td>1</td><td>Odour</td><td>--</td><td>Agreeable</td><td>Agreeable</td><td>Agreeable</td></tr><tr><td>2</td><td>Colour</td><td>Hazen</td><td>2</td><td>4</td><td>3.25</td></tr><tr><td>3</td><td>Taste</td><td>--</td><td>Agreeable</td><td>Agreeable</td><td>Agreeable</td></tr><tr><td>4</td><td>pH Value</td><td>--</td><td>7.42</td><td>8.13</td><td>7.765</td></tr><tr><td>5</td><td>Turbidity</td><td>NTU</td><td>0.12</td><td>0.19</td><td>0.15</td></tr><tr><td>6</td><td>Total Dissolved Solids</td><td>mg/L</td><td>928</td><td>1423</td><td>1142</td></tr></table>	Sr. No.	TEST PARAMETER	UNIT	Min	Max	Avg	1	Odour	--	Agreeable	Agreeable	Agreeable	2	Colour	Hazen	2	4	3.25	3	Taste	--	Agreeable	Agreeable	Agreeable	4	pH Value	--	7.42	8.13	7.765	5	Turbidity	NTU	0.12	0.19	0.15	6	Total Dissolved Solids	mg/L	928	1423	1142
Sr. No.	TEST PARAMETER	UNIT	Min	Max	Avg																																							
1	Odour	--	Agreeable	Agreeable	Agreeable																																							
2	Colour	Hazen	2	4	3.25																																							
3	Taste	--	Agreeable	Agreeable	Agreeable																																							
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5	Turbidity	NTU	0.12	0.19	0.15																																							
6	Total Dissolved Solids	mg/L	928	1423	1142																																							

S. No.	Stipulated Conditions	Compliance Status					
		7	Total Hardness as CaCO ₃	mg/L	356	420	383.19
		8	Chloride as Cl	mg/L	102	140	125.25
		9	Fluoride as F	mg/L	ND	0.37	0.17
		10	Iron as Fe	mg/L	ND	ND	ND
		11	Coliform	/100 ml	Absent	Absent	Absent
		12	E-Coli	/100 ml	Absent	Absent	Absent
		Summary of Surface Water Quality is as under-					
		Sr. No.	TEST PARAMETER	UNIT	Min	Max	Avg.
		1	Odour	--	Agreeable	Agreeable	Agreeable
		2	Colour	Hazen	2	7	4
		3	Taste	--	Agreeable	Agreeable	Agreeable
		4	pH Value	--	7.19	7.64	7.38
		5	Turbidity	NTU	0.11	0.15	0.13
		6	Total Dissolved Solids	mg/L	608	738	685
		7	Total Hardness as CaCO ₃	mg/L	216	336	288.16
8	Chloride as Cl	mg/L	86	116	101.33		
9	Fluoride as F	mg/L	0.17	0.27	0.22		
10	Iron as Fe	mg/L	ND	ND	ND		
11	Coliform	/100 ml	Present	Present	Present		
12	E-Coli	/100 ml	Absent	Absent	Absent		
Summary marine water quality (Annexure 4D) is mentioned on above page in reply of General Condition i.							
ii.	Full support shall be extended to the officers of this Ministry /Regional Office at Bhopal by the project proponent during inspection of the project	Being Complied <ul style="list-style-type: none">AHPL is regularly submitting six monthly compliance reports which comprise compliance to the conditions stipulated in Environment and CRZ clearance, action taken report of Environment Management Plan, environment monitoring reports etc.					

S. No.	Stipulated Conditions	Compliance Status
	for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigation measures and other environmental protection activities.	<ul style="list-style-type: none"> • Last report was submitted through e mail on 28.05.2021 and received acknowledgement on 03.06.2021. • Whenever any authorities such as MoEF&CC, GPCB and GMB etc. visit the port, full support is extended and AHPL provides all additional information seek by them during the inspection. • Last visit by representative of MoEF & CC - RO, Bhopal was on 4th August 2021. Mr. Subrat Mohapatra, Deputy Director General of Forest (Central) visited at AHPL Hazira on 04th August 2021. We have extended all required supports during his visit. • During the compliance period, GPCB officials Mr. D M Rathod, DEE and N M Kavar, Scientific Officer have visited the port on 16th September 2021 and we extended all required supports during their visit.
iii.	A six-monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bhopal regarding the implementation of the stipulated conditions.	Being Complied <ul style="list-style-type: none"> • Six monthly monitoring reports regarding the implementation of the stipulated conditions are regularly submitted to the RO - MoEF & CC, Bhopal and other authorities the las report Last report was submitted through e mail on 28.05.2021 and received acknowledgement on 03.06.2021. The copy of same is also uploaded on company website. The link is http://www.adaniports.com/ports-downloads
iv.	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary subsequently, if deemed necessary for environmental protection, which shall be complied with.	Noted and agreed to comply
v.	The Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.	Noted and agreed to comply
vi.	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to Ministry of Environment and Forests.	Complied <p>Name of the port was changed from Adani Hazira Port Private Limited to Adani Hazira Port Limited and the letter received from MoEF&CC regarding the name change was submitted with last EC compliance report as Annexure 9 on 28.05.2021 through E mail and acknowledgement of the same was received on 03.06.2021.</p>
vii.	The project proponents shall inform the Regional Office as well as the	Complied

	Adani Hazira Port Limited	From: April 2021 to September 2021
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S. No.	Stipulated Conditions	Compliance Status
	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.	Financial Closure date was 29 th September, 2011. Approval from GMB to commence work was obtained on 09 th April, 2010 vide letter No.: GMB/N/PVT/923(10)/42/458. Copy of the same has been submitted to the MoEF & CC and other concerned authorities along with the six monthly compliance report dated 19.05.2017.
viii.	A copy of the clearance letter shall be marked to concerned Panchayat/ Local NGO, if any from whom any suggestions/ representations has been received while processing the proposal.	Complied. Copy of the clearance letter was sent to the concerned Panchayat and local NGO. Copy of the RPAD receipt were submitted to MoEF&CC along with six monthly compliance report dated 27.11.2013 and again along with the six monthly compliance report dated 19.05.2017.
ix.	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's Office for 30 days.	This condition does not belong to AHPL.
8.	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act 1986, the Public Liability (Insurance) Act 1991 and EIA notification 1994, including the amendments and rules thereafter.	Noted and Complying with the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act 1986, the Public Liability (Insurance) Act 1991 and EIA notification 2006, including the amendments. AHPL has obtained: - <ul style="list-style-type: none"> • Environmental and CRZ Clearance issued by MoEF & CC, New Delhi vide letter No.: 11-150/2010-IA.III dated 03rd May, 2013. • Consolidated Consent and Authorization under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981 vide Consent Order No.: AWH-87176 valid till 14.04.2022. • Public Liability Insurance (PLI) vide Policy No.: 41059889 valid up to 31st March, 2022
9.	All other statutory clearance such as the approvals for storage of diesel from Chief Controller of Explosive, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the	Complied. All applicable clearances from respective authorities have been obtained i.e.: - <ol style="list-style-type: none"> 1. PESO License from Chief Controller of Explosive, Nagpur vides Order No.: P/HQ/GJ/15/5294 (P270337), Renewed and valid till 31/12/2025. Copy of the PESO License is attached herewith as Annexure 8 2. License to work a Factory Adani Hazira Port Pvt. Ltd. (Liquid Terminal) from Director of Industrial Safety and Health, Govt. of Gujarat their vide Registration No.: 3502 / 51410 / 2013 and License No.: 18757, Renewed on 03-11-2018, valid till 23rd December, 2023. Copy of the license to work a factory is submitted with the Six monthly EC compliance Report AHPL/MoEFF&CC 2019-20/001 dated 27.11.2019

S. No.	Stipulated Conditions	Compliance Status
	respective competent authorities.	3. Fire NOC for Liquid Terminal- Obtained NOC from Fire Officer, Surat, (Latest on 7 th March 2019) and NOC from commissioner of Police (Dated- 12 th May 2019)
10.	The project proponent shall advertise in at least two local newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environment and CRZ clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at Website of the Ministry of Environment & Forests at http://www.envfor.nic.in . The advertisement should be made within 10 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.	Complied. <ul style="list-style-type: none"> • Advertisements were published in Gujarat News Paper "Gujarat Mitra" and English News Paper "The Times of India" on 13/05/2013 (within 10 days of receipt of EC & CRZ clearance). • Copy of the advertisement is submitted to MoEF & CC along with the six monthly compliance report dated 27th November, 2013.
11.	This clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs. Union of India in Writ Petition (Civil) No.: 460 of 2004 as may be applicable to this project.	Noted.
12.	Status of Compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	Complied. Compliance report of conditions stipulated in Environment and CRZ Clearance is being uploaded periodically on the company website i.e.: http://www.adaniports.com/ports-downloads
13.	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under	Noted.

S. No.	Stipulated Conditions	Compliance Status
	Section 16 of the National Green Tribunal Act, 2010.	
14.	A copy of the clearance letter shall be sent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any from whom suggestions/ representations if any, were received while processing the proposal. The Clearance letter shall also be put on the website of the company by the proponent.	Closed, <ul style="list-style-type: none"> • Copy of the clearance letter was sent to the concerned Panchayat and local NGO from whom the suggestions/ representations received. • Copy of the RPAD receipt is submitted to MoEF & CC along with Six Monthly Compliance Report dated 27.11.2013 and again along with the six monthly compliance report dated 19.05.2017. • Clearance letter is available on website at http://www.adaniports.com/ports-downloads
15.	The Proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB.	Complied. <p>The six monthly compliance report comprising of the status of compliance of the stipulated EC conditions, including results of monitored data is being uploaded on the company website at http://www.adaniports.com/ports-downloads</p> <p>Also the compliance report was submitted to following:</p> <ol style="list-style-type: none"> 1. IRO -MoEF&CC, Gandhinagar 2. RO - MoEF & CC, Bhopal, 3. MoEF & CC, New Delhi, 4. DoEF, Gandhinagar, 5. Zonal Office - CPCB, Vadodara, 6. HO - GPCB, Gandhinagar, and 7. RO - GPCB, Surat. <p>Last report was submitted on 28.05.2021 through E mail and acknowledgement of the same was received on 03.06.2021.</p>
16.	The Environmental Statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with status of compliance of EC Conditions and shall	Complied. <p>The Environment Statement in Form-V for the Financial Year: 2020-20 is attached herewith as Annexure 9 also uploaded on company website at http://www.adaniports.com/ports-downloads.</p>

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S. No.	Stipulated Conditions	Compliance Status
	also be sent to the respective Regional Offices of MoEF by e-mail.	

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APPENDIX-1:

COMPLIANCE TO THE CONDITIONS STIPULATED IN CRZ RECOMMENDATIONS

ISSUED BY FORESTS & ENVIRONMENT DEPARTMENT,

GOVERNMENT OF GUJARAT TO MOEF & CC, NEW DELHI

VIDE LETTER NO.: ENV-10-2012-30-E, DATED 11TH MAY, 2012

**FOR MODIFICATION / EXPANSION OF MULTI - CARGO PORT FACILITY AT HAZIRA, DIST. -
SURAT BY M/S. ADANI HAZIRA PORT PVT. LIMITED**

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Appendix -1: Compliance to the conditions stipulated in CRZ recommendation issued by Forests & Environment Department, Government of Gujarat to MoEF & CC, New Delhi vide letter No.: ENV-10-2012-30-E dated 11th May, 2012 for modification / expansion of Multi-Cargo Port Facility at Hazira, Dist. - Surat by M/s. Adani Hazira Port. Limited:

S. No.	Conditions	Compliance Status
A.	Specific Condition	
1.	The provision of CRZ Notification 2011 shall be strictly adhered by M/s. AHPL. No activity in contradiction to the provision of CRZ Notification shall be carried out by M/s. AHPPL.	Complied. <ul style="list-style-type: none"> Construction activities are carried out as per the provisions of CRZ Notification, 2011. No construction work other than those permitted in CRZ Notification has been done. Development of the port and other ancillary facility is being done as per the approval received under CRZ Notification, 2011 and EIA Notification, 2006 and subsequent amendments.
2	M/s. AHPPL shall not construct any storage facilities for material / chemicals in the CRZ area except for those permissible as per Annexure - II of CRZ Notification 2011 also for other hazardous chemicals, outside CRZ Areas, the AHPL shall consult SDMA for Disaster Management Plan.	Complied. <ul style="list-style-type: none"> Only permissible activities being carried out in CRZ area. Disaster Management Plan has been prepared prior to the commissioning of multi cargo port. DMP has been submitted to GSDMA vide letter dated 20.10.2012. Comments were received from authority vide letter no. GSDMA /SM / Ind.safety/ 770560 dated 03.12.2012. Suggestions were incorporated and revised plan was submitted to GSDMA on 23.05.2014. <p>Regular mock drill to ensure the compliance and preparedness is being done. Last Mock Drill (On Site) was conducted on: 15.09.2021, the scenario of mock drill was – ACN leakage from vessel dock line at MPB jetty and fire Last Update of ERP & DMP : 03.02.2021</p> <ul style="list-style-type: none"> Last submission of ERP & DMP to Directorate Industrial Safety & Health (DISH) on 10.03.2021
3.	All necessary permissions from different Government Departments / agencies shall be obtained by M/s. AHPPL before commencing the activities.	Complied. <p>All the statutory permissions from the concerned statutory authorities are obtained i.e.: -</p> <ul style="list-style-type: none"> Environment and CRZ Clearance from MoEF & CC, GOI vide order No.: F.No.:11-150/2010-IA-III dated 03.05.2013,

	Adani Hazira Port Limited	From: April 2021 to September 2021
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S. No.	Conditions	Compliance Status
		<ul style="list-style-type: none"> - CTE & CTO from Gujarat Pollution Board - PESO License from Chief Controller of Explosive, Nagpur License to work a Factory Adani Hazira Port Pvt. Ltd. (Liquid Terminal) from Director of Industrial Safety and Health, Govt. of Gujarat. <p>Please refer EC condition 9 for details.</p>
4.	The AHPPL shall ensure that there shall be no damage to the existing mangrove patches near the site and also ensure the free flow of water to avoid damage to the mangrove.	<p>Noted and complied with.</p> <p>There are no adverse impacts on mangrove as well as flow of water with respect to development activities.</p>
5.	No dredging, reclamation or any other project related activities shall be carried out in CRZ area categorized as CRZ-I (A) and it shall have to be ensured that the mangrove habitats and other ecologically important and significant areas, if any in the region are not affected due to any of the project activities.	<p>Complied.</p> <p>There is no dredging and reclamation activities occurred in CRZ I (A) area during the compliance period.</p> <p>The mangrove habitats near by the port are being protected by AHPL.</p>
6.	The dredging material shall be disposed of at the location already approved by the Ministry of Environment and Forests, Government of India.	<p>Complied.</p> <p>As per communication from MoEF&CC dated 12th November, 2003 bearing letter No.: J-16011/ 11/2003-IA-III- Hazira Port Pvt Ltd conditions states "dumping of dredged spoils should be dumped at the sites A & C as per the following coordinates: -</p> <p>(A) 21°03' to 21°05' N & 72°28' to 72°30' E</p> <p>(C) 21°03' to 21°05' N & 72°30' to 72°32' E</p> <p>The maintenance dredging is being carried out through Water Injection dredger in which no Dredging material is generated. Some part of dredging is being carried out through Cutter Section Dredger and in this process Dredging material is being generated. No disposal has been done till date. All the dredging material is being utilized for level rising, reclamation and apart from the above activity, if any excess material generated will be disposed of at the location already approved by the MoEF&CC.</p>
7.	All the recommendations and suggestions given by M/s. NIO and	Complied.

S. No.	Conditions	Compliance Status
	Cholamandalam MS Risk Services Ltd, Chennai in their EIA reports for conservation / protection and betterment of environment shall be implemented strictly by M/s. AHPL.	All the recommendations and suggestions for conservation/protection and betterment of environment are being implemented strictly. Recommendation given in EMP is being complied in letter and spirit. Status of the same is enclosed as <u>Annexure-3</u> .
8.	The construction and operational activities shall be carried out in such a way that there is no negative impact on mangroves, if any and other important coastal / marine / habitats. The construction activities shall be carried out only under the guidance / supervision of reputed institute / organization.	Complied. There are no mangroves and other important coastal / marine / habitats presents within the port development area. There is no construction activity in the compliance period. The Port development work is supervised by Gujarat Maritime Board (GMB).
9.	M/s. AHPPL shall strictly ensure that no creeks or rivers are blocked due to any activity at Shipyard.	Complied. All the activities are carried out as per EC & CRZ clearance and no creeks are blocked due to development activities. Shipyard is not envisaged in our proposal.
10.	The construction debris and / or any other type of waste shall not be disposed of into the sea, creek or in CRZ areas. The debris shall be removed from construction site immediately after the construction is over.	Complied Construction and Demolition waste is being managed as per Construction and Demolition waste rules 2016.
11.	The construction camps shall be located outside the CRZ area and the construction labour shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by construction labours.	Complied. During construction phase labors have been managed through contractors and they are from surrounding villages so they stay in their own residential facilities in the surrounding villages. Drinking water, toilets and rest shelters are being provided to the labors during work.
12.	M/s. AHPPL shall prepare and regularly update their Local Oil Spill Contingency and Disaster Management Plan in consonance with National Oil Spill and Disaster Contingency Plan and shall submit the	Complied. <ul style="list-style-type: none"> Oil Spill Contingency Plan is prepared and the same was approved by Indian Coast Guard (Letter No.: 7563, dated 09.01.2014). Disaster Management Plan was prepared prior to the commissioning of multi cargo port.

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S. No.	Conditions	Compliance Status
	same to this department after having it vetted through Indian Coast Guard.	<ul style="list-style-type: none"> DMP has been submitted to GSDMA vide letter dated 20.10.2012. Comments were received from authority vide letter no. GSDMA /SM / Ind.safety/ 770560 dated 03.12.2012. Suggestions were incorporated and revised plan was submitted to GSDMA on 23.05.2014. Regular mock drill to ensure the compliance and preparedness is being done. <p>Last Mock Drill (On Site) was on :15.09.2021 Last Update of ERP & DMP : 03.02.2021 Last submission of ERP & DMP to Directorate Industrial Safety & Health (DISH) on 10.03.2021</p>
13.	M/s. AHPPL shall bear the cost of external agency that may be appointed by this department for supervision / monitoring of proposed activities and the environment impact of the proposed activities.	Noted and agreeing to bear the cost of external agency, if any that may be appointed by this department.
14.	The jetty and most of the approach would be supported on piles allowing adequate flow of water without significant obstruction.	<p>Complied.</p> <p>Jetty approach is supported by piles allowing adequate flow of water.</p>
15.	The ground water shall not be tapped within the CRZ areas by the AHPPL to meet with the water requirements in any case.	<p>Being Complied</p> <p>Ground water is not being used for any purpose in the Port. The industrial water requirement is being met through 2000KL of treated waste water from M/s. KRIBHCO and domestic water requirement is met through tanker water.</p>
16.	M/s. AHPPL shall take up massive greenbelt development activities in consultation with Forest Dept. / GEER Foundation / Gujarat Ecology Commission. A comprehensive plan for this purpose has to be submitted to the Forests and Environment Department.	<p>Being Complied</p> <p>The Green Belt is being developed by AHPL. The total Green Belt area developed till 30th September 2021 is 78.49 Ha. Photograph of Green Belt area is attached herewith as Annexure 5</p>
17.	Mangrove plantation in 200 Ha. shall be carried out in consultation with Gujarat Ecology Commission / Forest Dept. by M/s. AHPPL with in a period of two years from the issuance of CRZ clearance by MoEF, GoI and an action plan in this regard shall be submitted to this Department along with satellite	<p>Complied</p> <p>Company has carried out mangrove afforestation in an area of 200 hectares i.e.: 20 hectares in Kantiyajal and 180 hectares in Village Nada-Devla of District - Bharuch and same is completed.</p> <p>Consolidated report on mangrove plantation on an area of 200 hectares at Village: Kantiyajal, Taluka: Hansot and Village: Nada-Devla, Taluka:</p>

S. No.	Conditions	Compliance Status																				
	images and GPS readings with Latitudes and Longitudes.	Jambusar, District: Bharuch (Gujarat) developed by M/s. Saline Area Vitalization Enterprise (SAVE) Limited, Ahmedabad. Supporting documents of the same submitted to MoEF & CC and other authorities along with the six monthly compliance report dated 20.11.2017.																				
18.	The AHPPL shall have to take up bio-shielding development programme as part of CSR in consultation with Forest Department / PCCF and action plan in this regard shall have to be submitted to the MoEF - Gol and this Department.	Complied <ul style="list-style-type: none">AHPL has developed Bio-Shield Pilot Project at Village - Tankari Bandar, Taluka - Jambusar, District - Bharuch (Gujarat) on an area of 18 hectares with the help of a local NGO named SAVE.																				
19.	M/s. AHPPL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in consultation with Forest and Environment Dept. and the District Collector / District Development Officer.	Being Complied <p>CSR activities carried out by Adani Foundation in four verticals i.e.: - (1) Education, (2). Community Health, (3). Sustainable Livelihood and (4). Rural Infrastructure Development.</p> <p>Appropriate financial contribution is being made to. Schemes promoted by District Authorities and Forest & Environment Department, GoG are also included. Please refer the Annexure-2 for the status of the CSR activities planned and carried out during the Compliance period.</p> <table><tr><th>Sr. No.</th><th>Vertical</th><th>Approved Budget (In Lacs Rupees)</th><th>Utilization amount (In Lacs Rupees)</th></tr><tr><td>1</td><td>Education</td><td>142.80</td><td>19.01</td></tr><tr><td>2</td><td>Health</td><td>104.45</td><td>46.79</td></tr><tr><td>3</td><td>Sustainable Livelihood Development</td><td>147.43</td><td>18.02</td></tr><tr><td>4</td><td>Civil Infrastructure Development</td><td>248.03</td><td>24.17</td></tr></table>	Sr. No.	Vertical	Approved Budget (In Lacs Rupees)	Utilization amount (In Lacs Rupees)	1	Education	142.80	19.01	2	Health	104.45	46.79	3	Sustainable Livelihood Development	147.43	18.02	4	Civil Infrastructure Development	248.03	24.17
Sr. No.	Vertical	Approved Budget (In Lacs Rupees)	Utilization amount (In Lacs Rupees)																			
1	Education	142.80	19.01																			
2	Health	104.45	46.79																			
3	Sustainable Livelihood Development	147.43	18.02																			
4	Civil Infrastructure Development	248.03	24.17																			
20.	A separate budget shall be earmarked for environment management and socio-economic activities including green belt development / mangrove plantation and details thereof shall be furnished to this Department as well as the MoEF, Gol. The details with respect to the expenditure from this budget	Being Complied <ul style="list-style-type: none">Environmental Management Plan is in place and the funds earmarked are being utilized for effective implementation of environmental safeguards and environment monitoring. Key components are Environment monitoring, Mangrove plantation, environmental studies etc.																				

S. No.	Conditions	Compliance Status
	head shall also be furnished along with the compliance report.	<ul style="list-style-type: none"> Please refer the Annexure-6 for details of budget and Expenditure for Environment Management for the FY: 2020-21. CSR activities carried out by Adani Foundation in four verticals i.e.: - (1) Education, (2). Community Health, (3). Sustainable Livelihood and (4). Rural Infrastructure Development. Please refer the Annexure-2 for the status of the CSR activities planned and carried out during the Financial Year: 2020-21.
21.	A separate Environment Management Cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project.	Complied. <ul style="list-style-type: none"> Environment Management Cell has been set up with qualified staff to ensure the effective implementation of environmental safe guards. In addition to the site Environment Management Cell a well-established corporate environment cell also ensures effective implementation of the environmental safeguards. Please refer the Annexure-7 for Environment Management Cell Organogram.
22.	Environment Audit Report including the changes, if any, with respect to baseline environmental quality in the coastal and marine environment shall be submitted every year by M/s. AHPL to this Department as well as MoEF, Gol.	Complied. <ul style="list-style-type: none"> Regular Environmental Monitoring are being carried out through a GPCB approved environment auditor M/s. Pollucon Laboratories, Surat (a MoEF&CC and NABL accredited laboratory) and others concerned authorities along with Six Monthly Compliance Report. No significant changes observed with respect to past monitoring results.
23.	A six monthly report on compliance of the conditions mentioned in this letter shall have to be furnished by M/s. AHPL on a regular basis to this Department as well as MoEF, Gol.	Noted and complied with. <ul style="list-style-type: none"> Six monthly compliance reports are being submitted to all the concerned authorities on regular basis. Last report was submitted on 28.05.2021 through E mail and acknowledgement of the same was received on 03.06.2021.
24.	Any other condition that may be stipulated by this Department / MoEF, Gol from time to time for environment protection / management purpose shall have to be complied with by M/s. AHPL.	Noted and comply with the additional conditions stipulated by the MoEF & CC, if any.

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ANNEXURE-1:

**ACTION PLAN AND COMPLIANCE STATUS ON THE ISSUES RAISED DURING THE PUBLIC
HEARING**

Annexure-1: Action plan and compliance status on the issues raised during the public hearing:

S. No	Name	Details of Representation	Response during PH	Status as on 31 st March 2021
1	Rohitbhai Jayantibhai Patel, Sarpanch, Hazira	<p>On behalf of Hazira village, I welcome the expansion project of M/s. Adani Hazira Port Pvt. Ltd. at Hazira. Priority will be given to thousands of people of Hazira and surrounding villages for transport, business and employment opportunities. Company has provided training to the people of Hazira and surrounding villages for crane operation at Mundra and given employment as crane operator at Hazira Port.</p> <p>I believe that company will install latest technology for pollution control. Proposed project will surely care for human life. Due to proposed port Hazira people will surely get water, health and education facilities. I request that company would take required precautions for accident prevention and safety. Adani Foundation has provided required support as and when needed by Hazira village. I request that fishermen's concerns be taken care.</p> <p>I welcome this port as we are getting transport related business opportunities and we hope that same would be continued in future.</p> <p>Please clarify how much priority will be given to people from Hazira and surrounding areas for employment.</p> <p>Forest land is also requested for development of port at Hazira. So kindly clarify for compensation/afforestation.</p> <p>Please clarify what arrangements have been made</p>	<p>Rohitbhai, we are happy to note that on behalf of Hazira gram panchayat you have given warm welcome for this project. We whole heartedly thank you for this gesture. We assure you that our Conduct and Approach in managing activities would be in reciprocation to your welcome.</p> <ul style="list-style-type: none"> National Highway –6 is being widened. On completion the constriction and congestion that we see today will be behind us. As mentioned in the EIA in the first 5 years of the multi cargo port maximum number of 1200 trucks is expected to ply in the national highway connecting the port. After the railway line is developed and the trains start plying 60% of the transportation load will be conveyed through rail transport only 40% will come on 	<ul style="list-style-type: none"> Closed. Point is about welcoming the project and does not warrant any further action. Widening of the National Highway – 6 is completed. Currently there is no traffic congestion on National Highway – 6. Railway line for transport of cargo is yet to be developed.

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		by company if calamities like Tsunami, Earthquake or Flood arise after implementation of the proposed project.	the national highway. That is a moderate load.	
2.	Dharmendra bhai Bhikhubhai Patel, Ex-deputy Sarpanch, Hazira	<p>We welcome this public hearing. It is good that you are giving preference to local affected people and hearing them during public hearing. We don't have any objection against the development of Adani Group along with other industrial development in Hazira leading to development of Gujarat and the Nation. Adani company is complying with the environmental laws promulgated by the State and Union Government. In fact, it is duty of Adani Port to do so. Under their CSR activities Adani Group should provide support for development of Hazira village and employment to unemployed people. All transport businesses should be given to small & big local transporters of Hazira only. Youth from families of affected fishermen should be provided required training and employment. New transport route should be proposed as the present route to take containers is very narrow.</p> <p>We thank Adani Group for giving support for the construction of classrooms for standard 11 & 12 in Navchetan school.</p> <p>I thank you for making me successful in providing compensation to the affected fishermen.</p> <p>I request for employment to locals people and transport contract to local transporters only. We support the development of Adani Port in our area. We don't have any</p>	<p>the national highway. That is a moderate load.</p> <ul style="list-style-type: none"> • This port will have focus on container cargo. Container cargo comes in boxes and is clean by nature. So the question of fugitive dust emission on the road is not expected to be severe for this port. • The coal handling will be done taking care that all the trucks are properly covered so that there is no dust emitted on the road. As you know practically all our transporters are from this area. It is 	<ul style="list-style-type: none"> • Closed. <p>Major cargo handled at the port is container and liquid which do not increase the fugitive dust. AHPL is monitoring ambient air quality at five locations in and around project through a NABL accredited and MoEF recognized laboratory M/s Pollucon laboratories, Surat. Report confirms that ambient air quality is well within the NAAQS. Copy of the reports are enclosed as Annexure – 4A</p> <ul style="list-style-type: none"> • Complying with. <p>All the trucks carrying coal and other dusty cargo are being covered through</p>

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		objection to the project in this public hearing.	their responsibility to take care of overloading. If transporters do not overload, there would not be any spillage on the roads. It is not only responsibility of GPCB or the company but we all have to collectively work together for spillage free coal transportation.	tarpaulin. AHPL also ensures that no truck goes out of the port with overload.
3	Bhagubhai Maniram Patel, Sarpanch, Junagam	<p>As this is biggest port in the South Gujarat and as there is no government land left, we wish that there will not be resettlement of the Junagam village due to this proposed expansion project of Adani Port.</p> <p>There is a fear in the people of the village that they will have to vacate the village in future. So we request collector to give us guarantee in writing that we will be able to live with peace where we are today.</p> <p>Berths will be developed through dredging up to -15 meters. We are getting ground water from the depth of 20 to 65 ft in some of the areas, which we are using for drinking purpose. What will be the impact on the ground water due to dredging upto -15 meters?</p> <p>After construction of liquid berth No.3 which will handle & store 1.95 Million Tones by 2017-18, what emergency steps would be required to save the human life incase just like Bhopal if there will be gas leakage due to Tsunami, Earthquake or terrorist activities.</p> <p>We welcome Adani Port & they require land for the container and coal storage. However, all industries located in the Hazira area have acquired government land and another 2000 acre land is allotted to tourism department. Sir therefore, I request you to declare remaining land of Junagam, Suvali, Damka & Bhatlai as residential area or agricultural zone. This is to ensure that in future we will not be displaced. As the port is to be constructed</p>	<p>• Junagam sarpanchshri expressed apprehension that we will take away government land and lands belonging to farmers in Junagam village. We want to assure you that we do not intend to take any private land of farmers or any house site land. If you carefully see the development plan we have just presented, the map will alleviate your uncalled fears. There would not be any question of rehabilitation of any village. Moreover, we will take care that your property. Your assets and convenience are not jeopardized by our action.</p>	<p>• Closed.</p> <p>There is no displacement of people, houses or fishermen as the port is being developed on reclaimed land and land allotted by Government as there is no acquisition of private land.</p>

		<p>at the coast line, there are chances of spillage of liquid into sea and impact of solid hazardous waste. In this condition explain plan to mitigate impact on fisher man community.</p> <p>Secondly there is a question of unemployment of the youth of the Hazira area. As told by the company 700 people will be employed, youth from local families presently engaged in farming, animal husbandry and fisheries should be trained. Due to development of the port people from different states of India will come and therefore, there are chances of crime such as gang rape, hooliganism and terrorist attack. Is there any plan to control these potential evils? Training to unemployed women and employment is being planned. In future we and Adani Port would like to work together with full cooperation. On behalf of Jungam village and villagers, I welcome the expansion of the terminal.</p>	<ul style="list-style-type: none"> You talked about vultures; I would like to point out that there is no sanctuary or national park near by the port. In the EIA, we have studied the entire area and we will take due care to preserve the environment. We re-emphasize that we will comply with all the laws and in doing so we would be guided by GPCB and other concerned authorities. Some of you have expressed concern about terrorist activity creating great risk to our chemical terminals with attendant adverse consequences in our neighbourhood. We are going to be ISPS compliant; as a result of this discipline, only authorized persons and material can enter into the port. More over district administration and police also take precautionary measures to intercept terrorist 	<ul style="list-style-type: none"> Closed. <p>There is no sanctuary or national park near by the port. In the EIA, we have studied the entire area and we will take due care to preserve the environment.</p> <ul style="list-style-type: none"> Complied. AHPL is operating the port in compliance with all rules and regulations. Complied. <p>AHPL security system is in compliance with ISPS. ISPS Statement Number is: MMD/KDL/SO C/014 and the verification audit for renewal of certificate is successfully completed and issuance of certificate is Under Process.</p> <p>AHPL has access control system in place to avoid</p>
4	Alpeshkumar Thakor – Fisherman, Hazira.	<p>Plantation of the mangroves has been carried out between well numbers 4 to 7. This plantation has been destroyed by dredging and area is filled up.</p> <p>In this area fisherman used to catch prawns, crabs and sustain their livelihood. Through dredging company has destroyed Mangroves. There are approximately 2500 fishermen, belonging to Halpathi and Koli Patel communities living in the village. These people will be unemployed as fishing activity will be stopped due to dredging up to 20 meter by the company. Is it development or destruction?</p> <p>If fishermen get sand from the river by the boat in the Magdalla</p>		

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		area, they have to pay royalty for the same. But why companies are given permission for dredging without royalty? What about approximately 2500 fishermen?	activities. Coast guards contribute to this effort. In a sense the entire nation is collectively fighting against terrorism.	unauthorized entry of men and material.
5	Babubhai Aahir (Sarpanch, Suvali)	<p>As our friends have already given suggestion for safety and employment, it is not required to repeat the same. Foundation should provide employment opportunity to the land looser, fisherman, individual engaged in animal husbandry who are above 50 years and uneducated.</p> <p>Unemployed youth of this area should be provided training and given opportunity for the employment. Company should control the pollution arising due to transportation of chemical or coal. Earlier "Shell" company used to avoid overloading. So Adani Port should also not do the overloading to prevent the accidents. There is no medical facility available for treatment in case of emergency. As there is drought this year, company should consider providing drinking water in surrounding area.</p>	<p>• In the context of natural calamities, we have done modeling studies to understand the risk of oil spillage. We have also prepared Disaster Management Plan. This plan is being presented to the District Collector. After his approval it will go to State Disaster Management Authority at Gandhinagar for necessary approval and guidance. During natural calamities all local industrial units and government organizations work together to mitigate impacts of natural calamities. In that situation we would work under the guidance of District Collector and police authorities to do the needful. Disaster Management Plan is structured in such a way.</p>	<p>• Complied. Regional DMP for the Hazira Peninsula, covering all major industries and the port has been prepared in consultation with District Authorities and same is being implemented.</p> <p>Oil Spill Contingency Plan has been prepared and the same was approved/ vetted by Indian Coast Guard (Letter No.: 7563, dated 09.01.2014).</p> <p>In addition, AHPL has developed and implemented ER & DMP. Regular mock drill to ensure the compliance and</p>
6	Divyeshbhai, Hazira	<p><i>(During the representation of the Shri. Divyeshbhai there was a aggressive representation of Shri. Jayesh Patel resident of village Dihen, that he wants to present his questions.</i></p> <p><i>Honourable Collector replied that resident or stakeholders from affected villages should represent first. During this time Shri. Jayesh Patel and other people created disturbance which was controlled by Panel and then representation from Mr. Divyeshbhai continued.)</i></p> <p>Why this public hearing is kept at Junagam even it is of Hazira</p>		

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		<p>Village? Now we will talk about the pollution. Lots of dust is observed in the houses of the hazira village during the night hours. As per information particles of dust have been found in the lungs of the woman. If this information proves to be true we will file a petition in the High Court. During the widening of the National Highway No. 6 land in the surroundings villages will be taken. As National Highway is not passing through Hazira, the villagers need to travel 8 Kilometres extra. Why it is not extended straight? Fishermen are being told that there is no fish in the sea but slags are cast in the corners of the sea due to which some fish die. Dolphin is also found at present in the Hazira area. We welcome the project if the port company is ready to give written assurance regarding employment.</p>	<ul style="list-style-type: none"> In regard to impact on fisherman, I want to point out the real situation that we are not in the river mouth, but just outside of it. The port development is only in a stretch of 4 km of coast line. We have not displaced any fisherman. The surrounding areas are open for fishing, nevertheless we have compensated fisherman who were identified by the Grampanchayat to be active in the areas where we are now operating. As Susmaben mentioned we will support fisherman by giving them tools, nets etc. and be helpful to them. <p>(At this stage Shri Sheikh and Shri Jayeshbhai started shouting & disturbing the clarification of the project proponent. The chairperson told them repeatedly not to disturb the proceedings)</p>	<p>preparedness is being done.</p> <p>Last Mock Drill (On Site) was on: 15.09.2021</p> <p>Last Update of ERP & DMP: 03.02.2021 Last submission to Directorate Industrial Safety & Health (DISH) on 10.03.2021</p>
7	<p>Jayeshbhai Patel, Resident of Dihen village and President, Gujarat State Farmers Samaj</p>	<p>I raise my objections against proposed expansion project of AHPL for which public hearing is organized and I request that my objections should be included.</p> <p>M/s. Shell India has got environmental clearance in 2003 in which clearance was given for development of three berths. These berths are constructed at places other than shown earlier. So I request collector to remove these three berths.</p> <p>Out of proposed 7 berths for container and 4 for bulk terminal, 3 have been already constructed and port is functional. In this situation, I request to include in this public hearing what actions have been taken by collector against Adani</p>	<p>Grampanchayat to be active in the areas where we are now operating. As Susmaben mentioned we will support fisherman by giving them tools, nets etc. and be helpful to them.</p> <p>(At this stage Shri Sheikh and Shri Jayeshbhai started shouting & disturbing the clarification of the project proponent. The chairperson told them repeatedly not to disturb the proceedings)</p>	<p>• Closed.</p> <p>CSR activities carried out by</p>

adani		Adani Hazira Port Limited	From: April 2021 to September 2021
	<p>for functioning of port & disposal of coal in Hazira and what actions have been taken by GPCB against company for disposal of coal in open.</p> <p>This project is being developed on the mouth of river Tapi therefore it is my feeling and request that it should not be given Environmental Clearance.</p> <p>EIA study does not include the objections of the report of Sugnyaben Bhatt Commission which was set up by Gujarat Government in 2006 in the aftermath of Surat flood. So it is my request that this public hearing and Environmental Clearance should be cancelled.</p> <p>Hazira is located on the mouth of Mindhola & Tapi river. As per ICMAM report of Tapi river, erosion effect had spread up to Dumas because of filling of Tapi river due to Industrialization in this area. Erosion of shore is up to 2500 meter towards Dumas.</p> <p>ICMAM report is not studied. There is no clarity on what steps are required to control the erosion of shore near Dumas, so it is my request that it should not be given Environment Clearance.</p> <p>This area is declared reserved for vultures. As per survey there are about 150 vultures in the forest area. This report does not include what would happen to vultures, where they would go and what would be impact on Environment. So it is my request that it should not be given Environmental Clearance.</p> <p>There are approximately 2500-3000 fishermen families. There will be crisis for their livelihood.</p> <p>There is no clarity for rehabilitation and resettlement from Adani. So it is my feeling and request that it should not be given Environmental Clearance.</p>	<ul style="list-style-type: none">• We would help sons and daughters of fisherman to educate them and trained. We would do everything practicable to achieve this end.• We are developing the port by reclamation. This cannot any way cause salinity ingress in the ground water. We are going to investigate the quality of ground water every year	<p>Adani Foundation in four verticals i.e.: - (1) Education, (2). Community Health, (3). Sustainable Livelihood and (4). Rural Infrastructure Development.</p> <p>Appropriate financial contribution is being made. Schemes promoted by District Authorities and Forest & Environment Department, GoG are also included.</p> <p>Please refer the Annexure-2 for the status of the CSR activities carried out during the Compliance period.</p> <ul style="list-style-type: none">• Complied Proper care is being taken during construction activity to avoid salinity ingress and any degradation of water quality. M/s. AHPL is monitoring the Ground Water Quality at one location on monthly basis. Results show

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	<p>Routes to sea are almost closed specifically for "Pagadia fishermen", who do fishing on foot. There is a big problem of their livelihood. Due to loss of fishing activities now they will not get thousands of crores of rupees which they were supposed to get due to fishing activities. Rs. 15 lacs is not sufficient compensation for that.</p> <p>This area comes under CRZ-IA. Specific fish called "Levta" grows in the mudflat and fishermen catch that fish in this mud and earn their livelihood. Due to excavation and reclamation there will be damage to biological mud and destruction of marine ecology. EIA report does not have clarity on what actions are required. So it is my feeling and request that it should be clarified in EIA report or not be given Environmental Clearance.</p> <p>Before Adani came there was mangrove forest in the area of 40 ha. As per survey today mangroves survive in the area of 15 ha only. Due to destruction of mangrove there will be damage to environment and coastal erosion. This study is not covered in EIA so it is my feeling and request that it should not be given Environmental Clearance.</p> <p>Five ports from 15 different companies and two big ports within 5 Km are coming in this area. The cumulative impact on road & rail transport due to operation of both ports Adani & Essar is not studied while preparing the impacts on land environment. Six-lane-road is also not going to be sufficient for this. So I request that Environment clearance should be given only after doing cumulative study.</p>	<p>no significant change in the quality. Ground water quality is being monitored through M/s. Pollucon Laboratories, Surat (a MoEF&CC recognized and NABL accredited laboratory).</p> <p>Please refer the <u>Annexure-4B</u> for the Environmental Monitoring / Analysis Reports for the period October 2020 to March 2021</p> <ul style="list-style-type: none"> • Our EIA has been done by M/s. Cholamandlam MS Risk Service Limited and M/s. National Institute of Oceanography. These are well respected and neutral expert organizations a head quartered outside Gujarat. Their studies have been accepted by Gujarat Coastal Zone Management Authority. Thus we want to work with you and be helpful to you. <p><i>(At this stage some of the individuals asked clarification for employment in the company. Collector Shri</i></p>	<p>• Complied.</p> <p>CSR activities carried out by Adani Foundation in four verticals i.e.: - (1) Education, (2). Community Health, (3). Sustainable Livelihood and (4). Rural Infrastructure Development. Please refer the <u>Annexure-2</u> for the status of the CSR activities carried out during the Compliance period.</p>
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		<p>As reported, level of Suspended Solids & Petroleum Hydrocarbon is high as compared to desired levels in water. Level of pollution in the areas of water, air and land is already high as compared to other locations in the country. EIA report does not have clarity on what steps will be taken to bring down the pollution. So it is my feeling and request that it should not be given Environmental Clearance.</p> <p><i>(It is to be noted that Mr. Jayeshbhai Patel belongs to "Diheh village" which is approximately 18 Km away from the port site)</i></p>	<p><i>directed the company representative to answer it, and advised audience to listen to the representative peacefully.)</i></p> <ul style="list-style-type: none"> The port has opportunities for both technical and non-technical employment. Moreover indirect employment in transport and other services will also be there. All these opportunities may be taken by local residents. To facilitate them to take this opportunity we will provide necessary training to enhance their competence, so that they may not only get employment in Adani port but else were also. <p><i>(At this stage Jayeshbhai and other peoples repeatedly disturbed the hearing and stopped the company representative to elaborate further. Collector repeatedly asked all concerned to maintain calm and listen to the company representative. All</i></p>	<ul style="list-style-type: none"> Closed <p>Point does not warrant any further action.</p> <ul style="list-style-type: none"> Complied. <p>AHPL has always given employment priority to local qualified persons and in future the same will be continued. As on 30th September 2021 total 195 out of 228 On roll employees are from Gujarat.</p>
8	Dhansukhbhai Patel, President Hazira Coastal Area	<p>Employment is given to 30-35 people in the form of contract but we insist that it should be permanent in nature.</p> <p>For this liquid cargo transport, it will be storage of chemicals or processing of chemicals? If it is chemical processing then hazard will increase, so I request to provide information on what measures Adani will take for health and safety?</p> <p>Please provide information if this project has got any clearance from Central Government like what they have got from State Government.</p> <p>Adani has declared only 4-5 villages as affected. Will there not be any impact on Mora, Kawas or Interior of Ichhapur while trucks pass through them?</p> <p>There are 10-12 big companies in this area and they have developed residential township with all facilities for their employees. Is it not possible that each company will take one village from 10-12 villages and also provide them same facilities?</p> <p>For this, MOU is necessary and</p>	<p><i>At this stage Jayeshbhai and other peoples repeatedly disturbed the hearing and stopped the company representative to elaborate further. Collector repeatedly asked all concerned to maintain calm and listen to the company representative. All</i></p>	

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		<p>matters related to self-employment & development of village should be mentioned. We will be benefited in future; only if there will be MOU.</p> <p><i>(It is to be noted that Mr. Dhansukhbhai Patel belongs to Kawas village which does not fall within 10 Km radius of the study area)</i></p>	major points being over collector concluded the public hearing.)	
9	Kamlaben Rohitbhai Patel, Choryasi Taluka Panchayat, Leader of opposition party	<p>I welcome the expansion project of Adani company. Due to proposed port priority would be given to Hazira and surrounding area for employment and business. I request that fishermen's concerned would be taken care by this project. Adani Foundation of Adani Company has given commitment for the various activities for the development of village. So I welcome the project and declare my support for the Port of Adani Company at Hazira.</p>		
10	<p>Mohanbhai Ambubhai Patel,</p> <p>Village: Vaswa</p>	<p><i>(Collector informed Mohanbhai to raise those issues only, which were not raised earlier)</i></p> <p>Adani Company has told that 700 people will be employed. Please clarify whether it will be permanent or contractual basis? Thousands of people are working on contractual basis in the surrounding companies but nobody gets permanent employment.</p> <p><i>(Then Regional Officer, GPCB again informed the concerned persons to raise other issues if any. The employment issue will be addressed by the company.)</i></p> <p>As per survey carried out by NIO out of 1600 km of Gujarat coast nearly 25% is already filled due to construction of ports at other places. As a consequence of this, there will be huge damage to agriculture in the surrounding area and there would also be ingress of sea</p>		

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		<p>water in the area.</p> <p>Adani Company has decided to pay compensation of Rs. 15 lacs to 40 fishermen but what arrangement company will make for the 4000 fishermen in the surrounding villages?</p> <p>Adani Company is developing their project on 31428 ha of land. Is this land private or government? If it is on private land then whole Junagam village would be vacated. Survey numbers are also not shown for this land.</p> <p><i>(It is to be noted that Mr. Mohanbhai Patel belongs to Vanswa village which does not fall within 10 Km radius of the study area)</i></p>		
11	Jayantibhai Khalasi President, Fish Progress Union, Hazira	<p>You all will go away after this public hearing but whom should we contact regarding pollution in our area?</p> <p><i>(Then Collector informed him that regarding pollution he may contact GPCB.</i></p> <p><i>Regional Officer, GPCB also informed him that regarding pollution he can submit in writing.)</i></p>		

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ANNEXURE-2:

**DETAILS OF THE CSR ACTIVITIES CARRIED OUT AND BUDGET EXPENDITURE FOR THE
COMPLIANCE PERIOD OF FY 2021-22**

Half Yearly Report of Adani Foundation – Hazira (H1-FY 2021-22)

Adani Foundation is working as a CSR wing of Adani Group and the CSR activities are being conducted in the four major thrust areas.

Four Major Thrust Areas of our CSR Activities:



A. Education:

• UTTHAN PROJECT :

The future of India depends upon the quality of education imparted to our children. We believe that it is the joint responsibility of the Government and citizens to improve school education. With an aim to enhance the quality of primary education in Surat District, Adani Foundation has implemented this *Utthan* Project in 10 Government Primary Schools of Hazira area from December-2019. The project is running successfully. Under this project focus is on progressive learners (PRIYA VIDYARTHI) and celebrate their progress, make learning joyful, provides adequate resources and facilities, strengthen the curricula to provide basic skills, especially in the areas of literacy, numeracy and skills for life and focus on Teachers' capacity building. During the first half of the FY 2021-22, the continuous focused was made on slow learners by Utthan Sahayak. Various days celebrations, organising mothers meet, support for Jawahar Navodaya and National Mean Merit Scholarship entrance exam preparation etc. activities were done during the first half year of the FY 2021-22. Also, activities/trainings for enhancement of skills of Utthan Sahayak were carried out during this period.



- **NAVCHETAN VIDHYALAY - JUNAGAM:**

Adani Foundation has been sponsoring this primary school in nearby village Junagam (Shivrampur) academically & administratively for last 8 years. The number of students are increasing every year in the school which is against the normal trend of reducing students in primary schools in rural area. The ratio of boys and girls are also at par, which shows the good academic facilities provided by Adani Foundation has motivated village people to send their girl child to school.

Due to the COVID19 scenario, Govt. of Gujarat has only permitted physical presence for class 6 and above students. However, online education to all the students were continuously given.



B. Sustainable Livelihood Development:

• **Project KAMDHENU**

Adani Foundation has signed MoU with BAIF for designing and implementing its activities related to Animal Husbandry. Under this project, awareness is created for best livestock management practices. Different types of trainings are imparted to cattle owners during the first half of FY 2021-22. Artificial Insemination (AI) is one of the very popular and most demanding activity under this project. Also to save energy and to do sustainable irrigation, the process for providing solar pump is initiated. Two dedicated centres are set up at Junagam (Shivrampur) and Barbodhan to undertake various activities by BAIF in nearby villages. The activities covered under this project are listed below:

- a) Trainings/Meetings to adopt best livestock practices
- b) Exposure Visits
- c) Calf rearing
- d) Deworming
- e) Infertility Camps
- f) Model Fodder Plot Development
- g) Sex Sorted Semen
- h) Artificial Insemination
- i) Vaccination for livestock
- j) Mineral Mixers



- SELF HELP GROUP**

Adani Foundation is working with SHGs groups in nearby 8 villages. The focus is on development of new SHGs and to empower them/make them self-sustained. Exposure visits are conducted for SHGs and material support is extended by Adani Foundation. During the first half of the FY 2021-22, various trainings and meetings conducted for SHGs.



C. Community Health:

The Adani Foundation firmly believe that improving the health of citizens can directly result in economic growth of the nation. Healthy people can utilise growth opportunities made available to them in a better way. Adani Foundation have committed itself to raising the standards of and strengthening healthcare systems in and around our operational village in Hazira area to ensure healthy lives and promote well-being at all ages in alignment with Sustainable Development Goals of the UN.

De-addiction Programme and Health Camps are regular activities which are carried out during the FY2021-22.



Media Coverage of the Adani Foundation – Hazira Activities during H1 – FY 2021-22



ઉત્થાન શાળા પ્રોજેક્ટ હેઠળ

વિદ્યાર્થીઓએ Plastic Waste Management Plant ની ઓનલાઇન મુલાકાત લીધી



સુરત: કોરોના કાળના કારણે શાળાઓને ઓનલાઇનના માધ્યમથી શિક્ષણ આપવામાં આવી રહ્યું છે. ત્યારે આજકાલે પર્યાવરણની સુરક્ષા અને જીવજલ્દિ પર થતી હાનિને જાણે, પર્યાવરણને પ્રદુષિત નહીં રાખવા પરિશ્રમી વિશે સમજૂતી અને શેરુ તેમજ અન્ય કચરાના નિકાલની સરવ્થા તેમજ Plastic Waste Management અંગેની જાણતોથી માહિતગાર થાય તે નુકસી, અદાથી ફાઉન્ડેશન, હજીરાના ઉત્થાન પ્રોજેક્ટ અંતર્ગત હજીરા કાંઠા વિસ્તારની શાળાના પોરણ પાટ ના આજકાલે માટે Virtual Tour (ઓનલાઇન પ્રવાસ) નું આયોજન કરવામાં આવ્યું હતું. આ પ્રવાસમાં હજીરા વિસ્તારની ૧૦ સરકારી પ્રાથમિક શાળાના કુલ ૨૭૧ વિદ્યાર્થીઓએ ઓનલાઇન મુલાકાત પ્રવાસનો લાભ લીધો હતો. આ કાર્યક્રમ Ecovision Environmental Resources LLP ના સહયોગ પ્રાપ્ત થયો હતો. મોર પ્રાથમિક શાળાના ઉત્થાન સહાયક સેજલબેન ગરસિઆએ એક વીડીયોમાં જઈ Plastic Waste Management Plant ની રૂબરૂ મુલાકાત કરી અને ત્યાંથી મેળવ્યું હતું.

Tour (ઓનલાઇન પ્રવાસ) નું આયોજન કરવામાં આવ્યું હતું. આ કાર્યક્રમમાં હજીરા વિસ્તારની ૧૦ સરકારી પ્રાથમિક શાળાઓના કુલ ૨૭૧ વિદ્યાર્થીઓએ ઓનલાઇન મુલાકાત પ્રવાસનો લાભ લીધો હતો. આ કાર્યક્રમ Ecovision Environmental Resources LLP ના સહયોગ પ્રાપ્ત થયો હતો. મોર પ્રાથમિક શાળાના ઉત્થાન સહાયક સેજલબેન ગરસિઆએ એક વીડીયોમાં જઈ Plastic Waste Management Plant ની રૂબરૂ મુલાકાત કરી અને ત્યાંથી મેળવ્યું હતું.

ઓનલાઇન માધ્યમથી હજીરા, મુન્દ્રા અને નાજરાણા વિસ્તારના ઉત્થાન પ્રકલ્પની પ્રાથમિક શાળાઓના પરર વિદ્યાર્થીઓને જોડવા હતા. સેજલબેન દ્વારા પાનડાના સ્થાનિક કમ્પોઝીટ મલ્ટી આપા પાનડાની તમામ પ્રવૃત્તિઓ કમ્પોઝીટ સમજાવી, આજકાલે ઓનલાઇન માધ્યમથી નિદર્શન કરીને તમામ વિદ્યાર્થી માહિતગાર કરાવવામાં આવ્યા. સુરત નેચર કલ્પના શ્રી જગદીશભાઈ પરમારની શાળે વિદ્યાર્થીઓએ પ્રશ્નોત્તરી કરી અને પોતાની શંકાનું સમાધાન મેળવ્યું હતું.

શુક્રવાર ૨૭ ઓગસ્ટ, ૨૦૨૧

સંક્ષિપ્ત સમાચાર

ઉત્થાન શાળાના વિદ્યાર્થીઓએ કરી Plastic Waste Management Plant ની ઓનલાઇન મુલાકાત



સુરત: બાળકો પર્યાવરણની માનવજીવન અને જીવસૃષ્ટિ પર થતી અસરો જાણે, પર્યાવરણને પ્રદુષિત કરનારા પરિબળો વિશે સમજૂતી અને ઘટેલું તેમજ અન્ય કચરાના નિકાલની વ્યવસ્થા તેમજ Plastic Waste Management અંગેની જાણતોથી માહિતગાર થાય તે હેતુથી, અદાથી ફાઉન્ડેશન, હજીરાના ઉત્થાન પ્રોજેક્ટ અંતર્ગત હજીરા કાંઠા વિસ્તારની શાળાના ધોરણ ૬ થી ૮ના બાળકો માટે Virtual Tour (ઓનલાઇન પ્રવાસ) નું આયોજન કરવામાં આવ્યું હતું. ૨૬ ઓગસ્ટે યોજાયેલા કાર્યક્રમમાં હજીરા વિસ્તારની ૧૦ સરકારી પ્રાથમિક શાળાના કુલ ૨૭૧ વિદ્યાર્થીઓએ ઓનલાઇન મુલાકાત પ્રવાસનો લાભ લીધો. મોર પ્રાથમિક શાળાના ઉત્થાન સહાયક સેજલ ગરસિઆએ Plastic Waste Management Plant ની રૂબરૂ મુલાકાત કરી અને ત્યાંથી ઓનલાઇન માધ્યમથી હજીરા, મુન્દ્રા અને નાજરાણા વિસ્તારના ઉત્થાન પ્રકલ્પની પ્રાથમિક શાળાઓના ૬૨૨ વિદ્યાર્થીઓને જોડવા હતા.

Sr. No.	Vertical	Activities/	Approved Budget (In Lacs)	Utilization amount (In Lacs)	Beneficiaries
1	Education	<ul style="list-style-type: none"> Adani foundation is sponsoring and managing the Primary wing of Navchetan Vidyalaya, Junagam. 430 students of Class JRKG to 8 are studying. Students came from 08 nearby villages and very lower socio economical families. 10 Government Primary schools are taken under project Utthan in coastal area of Hazira. AF has provided one Utthan Sahayak (Teacher) in each school, they are teaching slow learners and low achievers. During closure of school, Utthan teachers have taken classes at Faliya and Maholla. AF has also provided hardware and software study materials to the students who have enrolled themselves for Navodaya Vidyalaya Entrance Examination -2020-'21, 22 student have cracked entrance examination and selected. 	142.80	19.01	D: 1821 ID: 5463 Total: 7248
	Health	<ul style="list-style-type: none"> Adani foundation is working with PARIVARTAN trust for addicted people in Choryasi and Olpad blocks. PARIVARTAN treats addicted patients for de-addiction at their center, the program is 21 days residential. Total 13 patients got treatment in this year. Adani Foundation has organized a multi-specialty medical camp in Damka. 86 patients were treated. Regular gynecologist's visit is going on, in villages of Hazira coastal area of Choryasi. During these visits doctor treated adolescent girls, pregnant and lactating mothers and others women of villages total 9 visits conducted and 180 patients treated. Adani foundation has provided oxygen plants to Govt. hospital, Chikhli and Municipal hospital, Surat. To provide better healthcare facilities in Govt. hospital and improve facilities to serve community. 	104.45	46.79	D: 1049 ID: 3147 Total: 4196
	Sustainable Livelihood Development	<ul style="list-style-type: none"> Training of SHG members at Damka village was carried out to prepare mouth-fresheners. A faculty was from KRISHI VIGYAN KENDRA, Surat, 13 members of SHG trained. Adani Foundation is conducting separate activities in 31 villages of Choryasi and Olpad talukas under animal husbandry business, in which 786 animals have been artificially inseminated so far, 339 farmers of 12 villages have been trained in animal husbandry business. Animal Health Camps were conducted in 4 villages in which 147 animals were treated, 17 farmers of 4 villages were given BNH-10 for green fodder, to provide nutritious food to the animals, 328 farmers of 9 villages were given 984 kg mineral mixture for livestock development. AF selected 34 progressive farmers and provided 425 Kgs. of Paddy – GNR 3 seeds for the demonstration purpose. AF has distributed 1475 various varieties of mangoes saplings to 90 farmers in Hazira coastal area. AF selected 03 Primary Schools of Junagam, Hazira, Damka and started Eco Club project. To educate and sensitize students on ecological concepts and environment issues and ways for regenerating their schools and local surrounding. 150 students and two interested teachers are selected as PARYAVARN RAKSHAK. Completed snake awareness program in three school and 03 villages. 	147.43	18.02	D: 1335 ID: 4005 Total: 5340
	Civil Infrastructure Development	<ul style="list-style-type: none"> NA 	248.03	24.17	0

D: Direct Beneficiaries,
ID: Indirect Beneficiaries

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Annexure-3:

Compliance Status of EMP as mentioned in the Integrated EIA Report, Sep. 2012:

Compliance Status of EMP as mentioned in the Integrated EIA Report, Sep., 2012:

S. No.	EMP Conditions	Compliance Status as on 30.09.2021
I.	AS PER TERRESTRIAL ENVIRONMENTAL IMPACT ASSESSMENT REPORT: -	
A	CONSTRUCTION PHASE:-	
1.	Dredged Soils Management Plan: AHPL has been permitted to dredge about 37 million cubic meter of soil, which shall be reused for backfilling in the project site. The dredged soil samples will be collected and analysed periodically for designated pollutants as per the recommendations of statutory authorities.	Complied. No disposal was done till date. All the dredging material was utilized for level raising, reclamation. If any excess material generated will be disposed of at the location already approved by the MoEF&CC.
2.	Air Quality Management: Fugitive dust will be generated during construction phase of the project due to handling of wet dredged and excavated soils. Dust control program will be implemented to reduce the dust generation during construction at project site. Water sprinkling will be adopted on haulage roads and construction site.	Being Complied Water sprinkling was being done on haulage roads on regular basis.
3.	Noise Control Programs: 1. Onsite fabrication activities should be undertaken at a designated location, which should be located away from the office buildings and any other working areas. 2. 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 can be installed. 3. Portable diesel engine generators and diesel engine driven compressors, if any, should be covered with noise enclosures.	Complied Fabrication activities was done at a designated location away from the office buildings and working areas. Complied Noise level was below 85 dB(A) during the fabrication. Currently no fabrication activities are going on. Complied. In-built noise enclosures are available in portable diesel engine generators and diesel engine driven compressors to reduce the noise level.
4.	Sewage Management Program: Sewage generated from the construction site will be treated in modular STP and shall be used for green belt development / landscaping after achieving prescribed standards by GPCB.	Being Complied Sewage generated from the construction site is being treated in STP and treated water is being used for greenbelt development.
5.	Solid and Hazardous Waste Management Program: The solid waste generated should be segregated and categorized under various rules such as HWM 2008, SWM 2000, the Batteries Rules 2001 including processing of used oil by authorized recyclers should be carried out by the rules and procedures prescribed by CPCB and also meet the requirements of GPCB.	Being Complied All the wastes are being segregate at source and handled as per applicable rules/ guidelines and disposed off through GPCB approved agency.
6.	Construction Phase Storm Water Runoff:	Complied

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	It has been recommended to adopt soil stabilization plans and storm water sedimentation basins to control the silt before discharging the storm water into sea.	Separate storm water was developed to discharge the storm water.
7.	Sanitation: The facilities presently available with the nearby villages will continued to be used during construction activities and no major sanitation problem is expected during construction period. The workers at the project site will be provided with proper sanitation arrangement.	Complied Proper sanitation arrangements were available for workers at project site.
B.	OPERATION PHASE: -	
1.	Air Quality Management:	
i.	Cargo-Handling Equipment: 1. Retrofitting the old equipment to meet the vehicular emission standards. 2. All the vehicles and equipment will be certified with PUC norms shall be deployed.	Being Complied All the deployed vehicles and equipment are PUC certified.
ii.	Standby Diesel Generators: DG Sets will be operated on clean diesel fuel with sulphur content less than 0.5%. Minimum stack height of 30m will be provided to disperse the gases into the atmosphere as per the guidelines suggested by Central Pollution Control Board.	Being Complied DG Sets are being operated only in case of power failure, DG are operated on clean diesel fuel with sulphur content less than 0.5% and provided the adequate stack height are being provided as per CPCB/GPCB norms to disperse the gases into the atmosphere.
iii.	Fugitive Coal Dust Control Program: The management of AHPL has proposed to adopt the following fugitive coal dust control measures: - a. Dry Fog System - A new, proven and cost effective technique to control dust is "Dry Fog" system to suppress the dust from the air. The name fog is just what it implies small droplets of water injected into the air. Fogging works by releasing very small droplets of water into the air. Airborne dust particles adhere to the water droplet and agglomerate. If the fog is generated in the right way, by using pressurized water, the energy required can be very low between 2 to 3 kW for a system requiring hundreds of nozzles, e.g.: A large stockpile tripper conveyor - giving considerable operating cost savings when compared to other techniques, The sprinkler droplet sizes should be maintained less than 100 microns. b. Sprinklers: Once stockpiled, water can be sprayed on the stockpiles to keep them damped down. Swivelling sprinklers should be used along the lengths of the stockpile with caution, however, as the volume of water required can be significant, causing drainage and run-off treatment problems.	Complied. Following control measures are in place and effectively working at port to control fugitive dust: - 1. Transportation of coal from jetty to coal storage yard through 1.7 Km. long conveyor belt with hood. 2. Water sprinklers in the coal yard, 3. Dust Suppression System / Spray Nozzles in Conveyor System and Discharge Chute, 4. Water spray through Water Browsers, 5. Water Mist Canon / Fog System, 6. Wind Brake Shield of 14 meters high and 1900 meters long, 7. Transportation of cargo from port to hinterland is being done through dumpers / trucks covered with tarpaulin, 8. Regular cleaning of the roads through Road Sweeping Machines, and 9. Company has set up dedicated greenbelt area for plantation at periphery / avenue plantation / landscaping etc. Total greenbelt

		area developed so far is approx. 78.49 ha within the port premises.
2.	Noise Control Program: The following source noise control plans have been suggested: - <ul style="list-style-type: none"> ➤ Covering of sound intensive components with insulation. ➤ Using noise absorbing building materials if required for housing compressors and diesel generators etc. as per the guidelines suggested by Central Pollution Control Board. ➤ Adopting low noise driving (Eco-driving) ➤ Using silent exhaust pipes for major diesel engine vehicles and heavy trucks operated inside the port. ➤ Planting trees which act as barrier to arrest dispersion of noise levels. ➤ Using electricity powered equipment inside the port instead of diesel powered ones will be explored to the extent possible. 	Complied. <ul style="list-style-type: none"> • All the sound intensive components (DG Set and Compressor) are with acoustic enclosures. • Green belt development is in progress. • All RTGs and Quay Cranes are electricity operated.
3.	Waste Water Management: Port handling operations would generate wastewater from the following sources: - <ol style="list-style-type: none"> 1. Ship ballast water, 2. Ship deck wastewater including sewage, 3. Rejects from desalination plant, 4. Workshop and vehicle maintenance shop wastewater, 5. Leachate from coal stock yard, 6. Floor cleaning and tank cleaning wastewater from the liquid tank farm, 7. Sewage from port facilities. The proposed wastewater treatment and reuse program has been presented hereunder: - <p>A variety of vessels use the waters within the port, including bulk coal ships, tugs and line boats. Discharges from bulk ships are not expected to occur within the port because these large ships normally have on-board storage and sewage treatment plants, allowing discharge of treated effluent at sea as per the provision of MARPOL.</p> <ul style="list-style-type: none"> ➤ Except monsoon, leachate from coal stock yard is not envisaged. However small quantities, if any, will be treated in the effluent treatment plant. Wastewater from vehicle work-shops will also be treated in the proposed onsite effluent treatment plant. ➤ As far as possible all chemical spills at liquid handling facilities will be treated 	Being Complied <ul style="list-style-type: none"> - AHPL is not accepting Ballast/ Sewage water from Ships. - Desalination plant not yet installed. - There is no effluent generation from workshop. Vehicle maintenance is not done in port premises. - There is no leachate from dump pond. - Tank cleaning wastewater is being treated into ETP. - Domestic waste water is being treated in the STP and then used for horticulture purpose within the port premises. Complied. Dedicated coal dump pond is provided to collect the runoff (if any) from coal yard and it is further reused for dust suppression purpose into coal yard. Complied with. No spill has occurred till date. If, spills occurred, spilled material/chemical will

	<p>with dry spill absorbing material and water will not be used. Spillage if any occurs will be treated in a dedicated onsite wastewater treatment plant, which consists of an oil removal unit, primary chemical treatment unit and biological treatment units followed by activated carbon unit. Biologically treated wastewater will be further treated in the central sewage treatment plant. Treated wastewater will be used for dust suppression and horticulture applications at the facility. No treated wastewater will be discharged outside the port facilities.</p>	<p>be treated into ETP and treated waste water will be reused in greenbelt development / plantation purpose.</p>
4.	<p>Storm Water Management Plan:</p> <ul style="list-style-type: none"> ➤ Storm water from the coal stockpile area will be passed through a series of sediment traps to remove the majority of the coal sediment before discharging into the natural drains. It has been proposed to construct a garland drain for all bulk storage facilities to avoid silting into the marine eco-system. ➤ All liquid storage tanks will be provided with dykes to avoid any cross contamination of storm water from chemical spills. Storm water drains shall be designed in order to avoid any flooding of the coal stock yard and liquid chemical tank farm areas. 	<p>Complied</p> <p>Garland drain for all bulk storage facilities are provided to avoid silting into the marine eco-system. Storm water from the coal stockpile area is collected into dump ponds to remove the coal sediment.</p> <p>Complied.</p> <p>All liquid storage tanks are provided with dykes to avoid any cross contamination of storm water from chemical spills. Storm water drains and effluents drains are separate.</p>
5.	<p>Solid and Hazardous Waste Management:</p> <ul style="list-style-type: none"> ➤ Solid wastes generated from the port handling facilities consist of packaging waste such as wood, paper/carton, steel scrap etc. ➤ All the hazardous wastes and solid wastes such as Oil containing cargo residue, Chemical containing cargo residue and sludge, contaminated cotton waste, spent exchange resin and ETP Sludge, etc. shall be segregated at source and stored at the earmarked area. ➤ Recyclable wastes will be collected and disposed to waste recycling vendors through certified recyclers wherever applicable. 	<p>Complied.</p> <ul style="list-style-type: none"> - Solid wastes generated during port development i.e.: construction & demolition wastes are reused for level rising of low lying area within the port premises. Kitchen/ Food, Horticulture/Garden wastes are being sent to Organic Waste Converter (OWC) to convert it into compost and reused as manure in greenbelt/plantation. - Packaging materials generated from the cargo handling i.e.: Wood, Paper/Carton, Steel Scrap, Plastic/Tarpaulin etc. are collected and sold out to recyclers. <p>Complied.</p> <p>All the wastes are segregated at source and stored at a dedicated Hazardous Waste storage shed/yard.</p> <p>Complied.</p>

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	<ul style="list-style-type: none"> ➤ Hazardous wastes include contaminated chemical spills, spent dry adsorbing spill absorbing material used for large marine and onshore chemical spills, used lubricating oils and greases. The chemicals spill inventories and spent dry absorbing material will be stored in a dedicated onsite tank and will be disposed to authorized hazardous waste incinerators. ➤ Spent lube oils and greases will be disposed to authorized used oil recycling vendors. ➤ A dedicated and completely enclosed shed will be identified to store the hazardous wastes in order to avoid any cross contamination from storm water. ➤ All the waste should be segregated, collected, categorized as per the HWM Rules 2008, SWM Rules 2000 and Batteries Rules 2001 prescribed by CPCB under Environmental Protection Act, 1986. 	<p>Recyclable waste is being collected and disposed of through CPCB/GPCB registered recyclers.</p> <p>Complied. No spill has occurred till date.</p> <p>Complied. Recyclable wastes is being collected and disposed off through CPCB/GPCB registered recyclers.</p> <p>Complied. All the wastes are stored at a dedicated hazardous waste storage shed/yard.</p> <p>Being Complied All the wastes are being segregate at source and handled as per applicable rules/ guidelines.</p>
6. Greenbelt and Plantation:	<ul style="list-style-type: none"> ➤ AHPL will develop thick green belt plantation in and around the proposed project facility covering 81.27 Ha. Efforts will be taken to increase the green cover in and around the project boundary using local species with a view to ameliorating project related disturbances and enhancing the ecological value of the area. Greenbelt would be developed as per the CPCB guidelines. ➤ A capital cost of Rs. 1.62 Crore and an annual recurring budget of Rs. 0.65 Crore will be earmarked for this purpose. 	<p>Complied Company has set up dedicated greenbelt area for plantation at periphery / avenue plantation / landscaping etc. Total greenbelt area developed so far is approx. 78.49 ha till 30th September 2021.</p> <p>Horticulture budget for FY 2021-22 is Rs. 160 Lakhs.</p>
7. Community Development Plan:	<p>AHPL has identified focused areas for community development and implement developmental program. The identified activities under CSR program are as follows: -</p> <ol style="list-style-type: none"> 1. Infrastructure development for educational facilities like building of schools, computer rooms, multipurpose activity halls 2. Supporting education through distribution of stationary, scholarships, science kits, bicycles to children, conducting education camps, competitions. 3. Strengthening the community health by arranging health camps, AID awareness camps, providing financial support to senior citizens and poor people, building dispensaries and mobile dispensaries. 4. Improvement of rural sanitation by conducting mass awareness campaign, 	<p>Complied.</p> <ul style="list-style-type: none"> • CSR activities carried out by Adani Foundation in four verticals i.e.: - (1) Education, (2). Community Health, (3). Sustainable Livelihood and (4). Rural Infrastructure Development. • Detail of the CSR activities along with budgetary provisions and progress are regularly submitted to MoEF & CC as part of six monthly compliance reports. • Please refer the Annexure-2 for the status of the CSR activities during the compliance period Financial Year: 2021-22.

	<p>helping villagers for constructing and maintaining household toilets, school toilets.</p> <p>5. Improvement in animal husbandry and agriculture by arranging camps for farmers and cattle owners, conducting programs to use new irrigation technologies, organic farming, and free fodder supply.</p> <p>6. Organizing need based skill development program to women and youth for their empowerment.</p> <p>7. Rural infrastructure development by construction of rainwater harvesting ponds, check dams, roads, bus stops, drainage systems, fish landing shed, solar street lamps. AHPL has committed to spend about Rs. 8.21 Crore in the first five years of the operation towards various rural upliftment and community development programs and tentative budget has been presented in the below table - Budgeted Expenditure for CSR and Community Development Activities:-</p> <table border="1" data-bbox="329 892 885 1224"> <thead> <tr> <th>S. No.</th><th>Descriptions</th><th>Budgeted Amount For 1st 5 year Period (Amount rupees in Crore)</th></tr> </thead> <tbody> <tr> <td>1</td><td>Education</td><td>2.29</td></tr> <tr> <td>2</td><td>Community Health</td><td>1.18</td></tr> <tr> <td>3</td><td>Sustainable Livelihood Activities</td><td>1.43</td></tr> <tr> <td>4</td><td>Rural Infrastructure Development</td><td>2.04</td></tr> <tr> <td>5</td><td>Entry Point Activities</td><td>1.27</td></tr> <tr> <td colspan="2">Total</td><td>8.21</td></tr> </tbody> </table>	S. No.	Descriptions	Budgeted Amount For 1 st 5 year Period (Amount rupees in Crore)	1	Education	2.29	2	Community Health	1.18	3	Sustainable Livelihood Activities	1.43	4	Rural Infrastructure Development	2.04	5	Entry Point Activities	1.27	Total		8.21	
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5	Entry Point Activities	1.27																					
Total		8.21																					
II.	MARINE ENVIRONMENT MANAGEMENT PLAN:																						
A.	<p>CONSTRUCTION PHASE: -</p> <ul style="list-style-type: none"> ➤ The dredge spoil generated during capital dredging will be used for land reclamation for the port development and associated utilities. ➤ Unused dredged material will be disposed off at approved dump sites to the north of port area including dredged soil generated through maintenance dredging. ➤ Appropriate dredging methodology shall be adopted to control the generation of high levels of suspended solids. If the suspended solids concentration increases, the dredging operation should be stopped till the normal conditions are achieved. ➤ General clean up along the corridor used for construction related activities, adjacent intertidal areas, creeks etc. should be undertaken and all the discarded materials must be removed from the site and aesthetic quality of the surroundings to be restored, 	<p>Complied. No disposal has been done till date. All the dredging material is being utilized for level raising, reclamation.</p> <p>Complied If any excess material generated will be disposed of at the location already approved by the MoEF&CC.</p> <p>Noted & Being Complied Monitoring of turbidity level in the sea water is being done and there is no abnormal increase observed.</p> <p>Being Complied. Clean up of the area is regularly being done.</p>																					

	once the construction activities are completed.	
B.	<p>OPERATION PHASE: -</p> <p>The following mitigation measures are recommended during port operation: -</p> <ul style="list-style-type: none"> ➤ Sewage generated from the port operations will be treated in sewage treatment plant and treated water shall be used for horticulture and green belt development. ➤ All the solid waste generated from the port will be properly segregated, stored and disposed as per the applicable statutory requirement. ➤ All the structures shall be designed in such a way that it should not restrict the prevailing tidal ingress in the creek and mangrove habitats in the vicinity to ensure good health condition. ➤ Coastline between Suwali Point and Tapti Estuary mouth and around the port area will be periodically surveyed to assess erosion and accretion. Should the need arises the corrective action in terms of shore stabilization shall be undertaken. 	<p>Complied.</p> <p>Sewage generated from the port operations is being treated in STP and treated water is being used for horticulture and green belt development.</p> <p>Complied.</p> <p>All the solid waste generated from the port is properly segregated, stored and disposed as per the applicable rules.</p> <p>Being Complied</p> <p>Free flow to the mangrove is not restricted by any of our activity.</p> <p>Complied.</p> <p>Shoreline change study was conducted by NIO, Vizag during the period from November, 2014 to December, 2015. Study confirms that there is no significant change in the nearby shoreline except for the approved layout of the AHPL. The report did not warrant any mitigation measures.</p> <p>Noted and Being Complied.</p> <p>M/s AHPL has issued the work order for Shoreline Change Assessment in the port boundary and nearby the area to a reputed Institute for carrying out shoreline change assessment and the report will be submitted after completion of the study.</p> <p>There is no oil spill till date.</p> <p>Complied.</p> <p>Oil Spill Contingency Plan has been prepared and the same was approved/vetted by Indian Coast Guard (Letter No.: 7563, dated 09.01.2014).</p> <p>Noted and Being Complied</p> <p>No effluent is being discharged.</p> <p>Complied.</p> <p>Please refer the Annexure-4D for the Sea Water Quality Monitoring / Analysis Reports for the compliance period April 2021 to September 2021</p> <p>Noted,</p> <p>AHPL is not discharging any effluent outside the port premises.</p>
	<ul style="list-style-type: none"> ➤ All the minor and major spillages of chemicals will be effectively controlled with appropriate tools and equipments. ➤ An oil/chemical spill management plan shall be evolved and be in place for tier-1 (100t) and tier-2 (700t) spills in consultation with Gujarat Maritime Board/Coast Guard. ➤ All the marine outfall shall meet the Gujarat Pollution Control Board Effluent Discharge Criteria for Seawater Disposal Standards. ➤ Monitoring of water area of the port and effluent disposal sited shall be studied for pH and Corg, Suspended Solids, DO, BOD in order 	

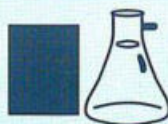
	Adani Hazira Port Limited	From: April 2021 to September 2021
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	<p>to identify for deviations if any from the baseline environmental quality.</p> <p>➤ The mitigation measures suggested for effluent release and maintaining of effluent disposal sites should also be adopted for effluent release by NIKO should be implemented.</p>	
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	Adani Hazira Port Limited	From: April 2021 to September 2021
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ANNEXURE-4

Environmental Monitoring / Analysis Results For The Period From April 2021 to September 2021



4A. AMBIENT AIR QUALITY MONITORING (APRIL 2021 TO SEPTEMBER 2021): -

Table-1.1: Ambient Air Quality Monitoring Results At Near Port Gate No.: 2

Sr. No.	Date of Sampling	Location-1: Near Port Gate No.: 2 (N 21° 05.426'E 72° 37.739')											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01/04/2021	74.25	38.51	ND*	ND*	ND*	ND*	0.74	ND*	38.15	19.25	33.45	28.33
2	05/04/2021	80.36	44.22	0.75	ND*	2.42	ND*	0.64	ND*	22.52	24.72	38.32	24.59
3	08/04/2021	75.57	34.54	ND*	ND*	ND*	ND*	0.95	ND*	33.55	20.63	41.54	29.55
4	12/04/2021	88.22	42.59	ND*	ND*	ND*	ND*	0.71	ND*	30.35	22.20	45.35	21.67
5	15/04/2021	77.55	37.85	ND*	ND*	ND*	ND*	0.86	ND*	23.27	13.82	34.24	27.23
6	19/04/2021	92.51	50.58	0.80	ND*	2.34	ND*	0.92	ND*	37.34	26.31	39.51	25.35
7	22/04/2021	81.22	47.55	ND*	ND*	ND*	ND*	0.98	ND*	25.73	17.83	35.38	23.58
8	26/04/2021	90.34	40.32	ND*	ND*	ND*	ND*	0.90	ND*	27.64	25.27	42.56	18.24
9	29/04/2021	87.54	48.82	0.62	ND*	2.26	ND*	0.65	ND*	41.57	18.4	31.53	19.46
10	03/05/2021	90.22	51.51	0.72	ND*	2.52	10.43	0.53	ND*	33.75	21.57	32.46	21.56
11	06/05/2021	81.34	47.65	ND*	ND*	ND*	ND*	0.46	ND*	27.27	23.20	35.61	18.38
12	10/05/2021	80.27	41.57	ND*	ND*	ND*	ND*	0.87	ND*	23.46	17.65	29.66	23.55
13	13/05/2021	93.63	53.40	0.84	ND*	2.62	10.66	0.80	ND*	31.57	25.30	38.65	22.22
14	20/05/2021	88.26	49.57	ND*	ND*	ND*	ND*	0.56	ND*	29.46	19.45	33.42	29.43
15	24/05/2021	92.45	52.37	0.75	ND*	2.35	10.61	0.71	ND*	40.22	24.32	37.28	26.52
16	27/05/2021	83.41	46.26	ND*	ND*	ND*	ND*	0.64	ND*	25.65	26.38	45.35	24.77
17	31/05/2021	78.65	38.52	ND*	ND*	ND*	ND*	0.78	ND*	37.12	15.85	40.62	28.33
18	03/06/2021	94.27	53.54	0.85	ND*	2.22	10.43	0.94	ND*	29.44	20.59	38.55	22.47
19	07/06/2021	84.54	45.22	ND*	ND*	ND*	ND*	0.87	ND*	32.44	22.53	32.57	26.73
20	10/06/2021	74.57	40.24	ND*	ND*	ND*	ND*	1.03	ND*	26.27	16.55	30.47	24.37
21	14/06/2021	91.54	52.64	0.76	ND*	2.68	10.70	0.96	ND*	34.51	26.23	39.69	20.46
22	17/06/2021	78.37	36.53	ND*	ND*	ND*	ND*	0.98	ND*	28.67	24.35	28.56	28.23
23	21/06/2021	85.71	41.19	ND*	ND*	ND*	ND*	0.73	ND*	36.87	18.75	35.66	13.81
24	24/06/2021	93.53	50.37	0.77	ND*	2.22	10.55	0.82	ND*	39.15	25.34	40.42	25.36
25	28/06/2021	87.51	43.61	ND*	ND*	ND*	ND*	0.76	ND*	37.12	21.58	34.29	23.47
26	01/07/2021	93.48	52.37	0.66	ND*	2.64	10.37	0.76	ND*	34.82	22.59	37.54	28.8
27	05/07/2021	78.55	42.39	ND*	ND*	ND*	ND*	0.74	ND*	20.14	19.23	40.38	21.65
28	08/07/2021	86.51	50.30	0.77	ND*	2.45	10.24	0.61	ND*	29.92	24.55	33.62	30.42
29	12/07/2021	77.81	30.36	ND*	ND*	ND*	ND*	0.46	ND*	26.36	20.50	34.42	23.77

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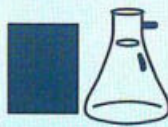
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30	15/07/2021	89.55	47.21	ND*	ND*	ND*	ND*	0.85	ND*	30.39	18.71	39.29	27.2
31	19/07/2021	69.32	44.77	ND*	ND*	ND*	ND*	0.95	ND*	37.67	16.43	36.27	26.33
32	22/07/2021	85.34	48.25	0.68	ND*	2.56	10.77	1.03	ND*	22.53	23.31	42.71	29.51
33	26/07/2021	79.52	41.53	ND*	ND*	ND*	ND*	0.55	ND*	27.41	17.85	30.36	25.8
34	29/07/2021	90.22	49.28	ND*	ND*	ND*	ND*	0.86	ND*	35.66	21.28	38.58	20.87
35	02/08/2021	76.35	43.40	ND*	ND*	ND*	ND*	0.87	ND*	27.57	16.63	39.56	21.47
36	05/08/2021	85.60	51.53	ND*	ND*	ND*	ND*	0.65	ND*	35.35	20.60	34.66	16.36
37	09/08/2021	92.42	47.64	0.85	ND*	2.76	10.88	0.98	ND*	31.47	26.35	44.57	27.94
38	12/08/2021	78.39	44.20	ND*	ND*	ND*	ND*	0.64	ND*	37.64	21.73	42.71	22.90
39	16/08/2021	86.36	48.62	ND*	ND*	ND*	ND*	0.71	ND*	41.38	17.65	36.40	29.47
40	19/08/2021	75.31	42.23	ND*	ND*	ND*	ND*	0.82	ND*	25.66	19.31	33.94	24.32
41	23/08/2021	94.28	52.36	0.58	ND*	2.42	10.49	0.90	ND*	34.33	12.40	30.34	26.17
42	26/08/2021	89.31	45.27	ND*	ND*	ND*	ND*	1.03	ND*	28.45	25.15	41.57	28.78
43	30/08/2021	79.42	40.34	ND*	ND*	ND*	ND*	0.97	ND*	32.31	23.51	35.36	25.42
44	02/09/2021	69.34	32.40	ND*	ND*	ND*	ND*	0.63	ND*	22.48	23.46	34.44	19.56
45	06/09/2021	79.52	48.33	0.63	ND*	2.56	10.66	1.01	ND*	33.46	15.84	37.70	15.62
46	09/09/2021	72.69	34.54	ND*	ND*	ND*	ND*	0.89	ND*	20.33	21.59	32.45	22.42
47	13/09/2021	67.51	31.65	ND*	ND*	ND*	ND*	0.95	ND*	32.49	18.34	36.36	25.36
48	16/09/2021	78.62	44.34	ND*	ND*	ND*	ND*	1.00	ND*	26.32	20.61	31.72	23.49
49	20/09/2021	80.62	49.68	0.80	ND*	2.42	10.37	0.71	ND*	29.41	25.51	38.49	18.38
50	23/09/2021	77.52	37.65	ND*	ND*	ND*	ND*	0.85	ND*	23.68	17.84	26.52	20.68
51	27/09/2021	70.62	30.37	ND*	ND*	ND*	ND*	0.92	ND*	31.59	22.38	33.8	24.66
52	30/09/2021	81.36	43.58	0.72	ND*	ND*	10.60	0.73	ND*	28.64	19.35	39.49	21.52

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

ND*: - Not Detected - Lead as Pb ($\mu\text{g}/\text{m}^3$): 0.5
 ND*: - Not Detected - Carbon Monoxide as CO (mg/m^3): 0.01
 ND*: - Not Detected - Benzene as C_6H_6 ($\mu\text{g}/\text{m}^3$): 2
 ND*: - Not Detected - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
 ND*: - Not Detected - Arsenic as As (ng/m^3): 2
 ND*: - Not Detected - Nickel as Ni (ng/m^3): 5

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Table-1.2: Ambient Air Quality Monitoring Results at HSE Building Terrace

Sr. No.	Date of Sampling	Location-2: HSE Building Terrace (N 21° 05.043' E 72° 38.491')											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01/04/2021	50.27	24.37	ND*	ND*	ND*	ND*	0.34	ND*	16.53	13.69	28.24	26.25
2	05/04/2021	62.33	32.51	ND*	ND*	ND*	ND*	0.57	ND*	10.52	11.65	23.66	18.33
3	08/04/2021	52.37	26.32	ND*	ND*	ND*	ND*	0.70	ND*	12.36	16.43	31.62	23.44
4	12/04/2021	69.27	30.67	ND*	ND*	ND*	ND*	0.60	ND*	21.63	10.39	26.21	25.83
5	15/04/2021	71.21	31.58	ND*	ND*	ND*	ND*	0.79	ND*	13.73	8.93	21.63	16.29
6	19/04/2021	63.64	36.37	ND*	ND*	ND*	ND*	0.55	ND*	23.44	12.63	25.26	13.55
7	22/04/2021	70.63	33.55	ND*	ND*	ND*	ND*	0.78	ND*	14.46	15.10	19.5	11.57
8	26/04/2021	54.26	28.74	ND*	ND*	ND*	ND*	0.63	ND*	18.27	18.68	22.44	14.43
9	29/04/2021	80.21	45.66	ND*	ND*	ND*	ND*	0.53	ND*	22.34	14.31	24.34	12.30
10	03/05/2021	77.55	41.25	ND*	ND*	ND*	ND*	0.44	ND*	12.62	11.58	21.56	15.23
11	06/05/2021	64.51	36.83	ND*	ND*	ND*	ND*	0.60	ND*	17.52	16.56	28.23	20.24
12	10/05/2021	70.25	38.28	ND*	ND*	ND*	ND*	0.45	ND*	15.36	13.44	25.37	12.56
13	13/05/2021	55.36	27.62	ND*	ND*	ND*	ND*	0.76	ND*	13.43	15.68	27.52	14.57
14	20/05/2021	72.43	35.52	ND*	ND*	ND*	ND*	0.66	ND*	16.33	14.38	30.24	26.86
15	24/05/2021	58.36	26.53	ND*	ND*	ND*	ND*	0.37	ND*	19.56	8.40	16.44	22.38
16	27/05/2021	73.55	39.27	ND*	ND*	ND*	ND*	0.26	ND*	14.24	12.26	24.21	18.29
17	31/05/2021	50.24	19.67	ND*	ND*	ND*	ND*	0.49	ND*	27.54	10.40	29.32	23.45
18	03/06/2021	84.23	45.68	ND*	ND*	ND*	ND*	0.62	ND*	19.52	12.58	24.62	12.55
19	07/06/2021	60.22	35.41	ND*	ND*	ND*	ND*	0.44	ND*	15.32	18.53	27.23	21.57
20	10/06/2021	69.44	32.48	ND*	ND*	ND*	ND*	0.84	ND*	13.41	9.55	18.70	16.23
21	14/06/2021	58.63	28.35	ND*	ND*	ND*	ND*	0.45	ND*	16.53	19.52	36.47	18.27
22	17/06/2021	68.22	30.44	ND*	ND*	ND*	ND*	0.65	ND*	25.34	14.33	23.74	24.54
23	21/06/2021	80.22	34.26	ND*	ND*	ND*	ND*	0.48	ND*	20.47	16.98	31.26	11.26
24	24/06/2021	62.51	23.44	ND*	ND*	ND*	ND*	0.29	ND*	18.94	11.51	20.31	23.68
25	28/06/2021	72.53	37.54	ND*	ND*	ND*	ND*	0.49	ND*	27.52	13.53	25.83	17.83
26	01/07/2021	82.39	43.88	ND*	ND*	ND*	ND*	0.54	ND*	18.52	14.62	20.62	18.3
27	05/07/2021	68.58	34.58	ND*	ND*	ND*	ND*	0.37	ND*	11.49	11.45	23.68	14.68
28	08/07/2021	60.48	33.53	ND*	ND*	ND*	ND*	0.56	ND*	21.59	18.28	27.61	20.33
29	12/07/2021	56.36	23.66	ND*	ND*	ND*	ND*	0.27	ND*	29.67	16.90	29.58	15.68
30	15/07/2021	75.31	36.54	ND*	ND*	ND*	ND*	0.77	ND*	26.46	13.27	32.35	16.32
31	19/07/2021	53.99	22.76	ND*	ND*	ND*	ND*	0.81	ND*	23.69	10.50	21.63	21.35

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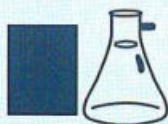
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32	22/07/2021	63.49	35.43	ND*	ND*	ND*	ND*	0.65	ND*	17.55	19.61	34.27	25.34
33	26/07/2021	66.78	32.57	ND*	ND*	ND*	ND*	0.32	ND*	19.33	15.32	26.69	12.81
34	29/07/2021	70.28	37.02	ND*	ND*	ND*	ND*	0.38	ND*	22.77	12.54	31.70	24.28
35	02/08/2021	54.66	24.31	ND*	ND*	ND*	ND*	0.34	ND*	14.37	8.74	31.60	23.44
36	05/08/2021	71.28	42.65	ND*	ND*	ND*	ND*	0.57	ND*	21.22	10.35	21.67	18.14
37	09/08/2021	76.52	35.83	ND*	ND*	ND*	ND*	0.29	ND*	18.39	16.52	26.49	13.57
38	12/08/2021	68.57	27.51	ND*	ND*	ND*	ND*	0.70	ND*	15.94	18.58	32.47	14.99
39	16/08/2021	81.69	44.36	ND*	ND*	ND*	ND*	0.42	ND*	31.54	11.29	16.54	26.54
40	19/08/2021	70.29	25.35	ND*	ND*	ND*	ND*	0.62	ND*	10.97	13.53	24.37	17.41
41	23/08/2021	57.34	34.35	ND*	ND*	ND*	ND*	0.50	ND*	23.54	6.29	15.62	20.19
42	26/08/2021	74.55	39.47	ND*	ND*	ND*	ND*	0.86	ND*	20.32	17.83	27.86	22.34
43	30/08/2021	69.33	32.42	ND*	ND*	ND*	ND*	0.74	ND*	29.31	19.53	30.66	19.51
44	02/09/2021	55.31	25.48	ND*	ND*	ND*	ND*	0.46	ND*	16.39	15.64	18.36	22.65
45	06/09/2021	70.65	36.33	ND*	ND*	ND*	ND*	0.26	ND*	19.58	12.72	30.47	12.16
46	09/09/2021	50.62	22.48	ND*	ND*	ND*	ND*	0.80	ND*	13.66	17.35	19.70	18.55
47	13/09/2021	46.36	18.60	ND*	ND*	ND*	ND*	0.65	ND*	17.85	10.71	24.28	20.37
48	16/09/2021	54.50	26.51	ND*	ND*	ND*	ND*	0.57	ND*	20.58	16.28	21.55	11.67
49	20/09/2021	63.55	34.43	ND*	ND*	ND*	ND*	0.50	ND*	12.61	19.72	27.48	15.71
50	23/09/2021	68.43	28.45	ND*	ND*	ND*	ND*	0.37	ND*	15.63	8.59	23.62	10.80
51	27/09/2021	71.36	33.45	ND*	ND*	ND*	ND*	0.52	ND*	11.49	14.47	20.36	17.78
52	30/09/2021	59.57	35.35	ND*	ND*	ND*	ND*	0.62	ND*	18.28	6.56	16.37	16.24

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

ND*: - Not Detected - Lead as Pb ($\mu\text{g}/\text{m}^3$): 0.5
ND*: - Not Detected - Carbon Monoxide as CO (mg/m^3): 0.01
ND*: - Not Detected - Benzene as C_6H_6 ($\mu\text{g}/\text{m}^3$): 2
ND*: - Not Detected - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
ND*: - Not Detected - Arsenic as As (ng/m^3): 2
ND*: - Not Detected - Nickel as Ni (ng/m^3): 5

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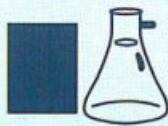


Table-1.3: Ambient Air Quality Monitoring Results at Central Water Pump House

Sr. No.	Date of Sampling	Location-3: Central Water Pump House (N 21° 04.697'E 72° 38.420')											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01/04/2021	56.36	28.67	ND*	ND*	ND*	ND*	0.29	ND*	18.51	6.48	21.26	17.58
2	05/04/2021	67.66	37.29	ND*	ND*	ND*	ND*	0.18	ND*	27.24	18.26	30.34	11.66
3	08/04/2021	58.24	20.24	ND*	ND*	ND*	ND*	0.48	ND*	21.53	10.32	25.37	14.26
4	12/04/2021	62.44	24.25	ND*	ND*	ND*	ND*	0.37	ND*	14.54	15.61	32.33	19.31
5	15/04/2021	57.27	29.55	ND*	ND*	ND*	ND*	0.69	ND*	11.27	17.52	29.43	22.23
6	19/04/2021	72.26	32.83	ND*	ND*	ND*	ND*	0.72	ND*	19.21	13.56	20.54	18.15
7	22/04/2021	54.31	26.11	ND*	ND*	ND*	ND*	0.49	ND*	12.81	7.50	17.54	15.52
8	26/04/2021	65.44	31.62	ND*	ND*	ND*	ND*	0.39	ND*	22.41	11.35	26.37	10.88
9	29/04/2021	71.52	41.52	ND*	ND*	ND*	ND*	0.26	ND*	25.65	8.30	28.68	21.46
10	03/05/2021	62.45	26.50	ND*	ND*	ND*	ND*	0.38	ND*	10.25	9.55	16.55	19.57
11	06/05/2021	75.66	39.54	ND*	ND*	ND*	ND*	0.36	ND*	25.35	14.63	25.24	16.47
12	10/05/2021	64.23	25.30	ND*	ND*	ND*	ND*	0.30	ND*	20.32	11.31	19.35	17.26
13	13/05/2021	50.33	22.40	ND*	ND*	ND*	ND*	0.52	ND*	11.23	17.23	23.55	12.30
14	20/05/2021	52.41	24.54	ND*	ND*	ND*	ND*	0.18	ND*	21.86	12.37	18.68	22.61
15	24/05/2021	76.26	40.22	ND*	ND*	ND*	ND*	0.29	ND*	34.23	16.42	24.63	24.23
16	27/05/2021	60.55	36.28	ND*	ND*	ND*	ND*	0.50	ND*	18.53	10.53	29.44	13.43
17	31/05/2021	55.81	23.59	ND*	ND*	ND*	ND*	0.32	ND*	22.51	13.55	26.22	25.52
18	03/06/2021	68.53	25.62	ND*	ND*	ND*	ND*	0.40	ND*	21.22	7.66	15.38	20.58
19	07/06/2021	72.65	29.86	ND*	ND*	ND*	ND*	0.24	ND*	28.42	15.28	24.35	17.65
20	10/06/2021	46.21	18.63	ND*	ND*	ND*	ND*	0.63	ND*	22.66	12.31	20.51	12.76
21	14/06/2021	66.56	30.57	ND*	ND*	ND*	ND*	0.70	ND*	13.95	9.67	26.86	14.63
22	17/06/2021	70.63	33.45	ND*	ND*	ND*	ND*	0.38	ND*	10.82	6.27	12.65	16.68
23	21/06/2021	62.34	26.25	ND*	ND*	ND*	ND*	0.64	ND*	23.51	8.33	25.63	24.24
24	24/06/2021	71.56	37.64	ND*	ND*	ND*	ND*	0.37	ND*	30.73	14.52	30.62	19.38
25	28/06/2021	67.04	32.12	ND*	ND*	ND*	ND*	0.22	ND*	20.57	16.27	21.35	11.54
26	01/07/2021	76.55	37.56	ND*	ND*	ND*	ND*	0.50	ND*	23.59	17.54	26.37	13.6
27	05/07/2021	58.47	24.27	ND*	ND*	ND*	ND*	0.40	ND*	17.27	7.68	19.6	11.25
28	08/07/2021	68.66	36.31	ND*	ND*	ND*	ND*	0.14	ND*	25.34	9.66	22.34	18.68
29	12/07/2021	61.36	28.61	ND*	ND*	ND*	ND*	0.33	ND*	15.52	11.6	14.61	10.33
30	15/07/2021	55.66	22.54	ND*	ND*	ND*	ND*	0.44	ND*	19.52	16.43	21.34	12.30
31	19/07/2021	46.72	19.66	ND*	ND*	ND*	ND*	0.34	ND*	28.37	6.27	17.54	23.48

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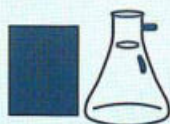
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32	22/07/2021	74.53	35.56	ND*	ND*	ND*	ND*	0.62	ND*	12.62	10.33	16.38	21.25
33	26/07/2021	56.22	25.33	ND*	ND*	ND*	ND*	0.39	ND*	24.59	12.59	23.52	15.38
34	29/07/2021	62.33	32.18	ND*	ND*	ND*	ND*	0.48	ND*	27.32	15.84	35.29	17.52
35	02/08/2021	51.51	27.34	ND*	ND*	ND*	ND*	0.60	ND*	19.54	6.59	19.59	17.18
36	05/08/2021	62.46	32.57	ND*	ND*	ND*	ND*	0.80	ND*	26.52	18.37	30.48	12.26
37	09/08/2021	70.35	40.27	ND*	ND*	ND*	ND*	0.46	ND*	10.34	10.51	33.61	15.33
38	12/08/2021	58.65	23.57	ND*	ND*	ND*	ND*	0.40	ND*	23.48	12.45	22.70	11.16
39	16/08/2021	48.64	26.37	ND*	ND*	ND*	ND*	0.66	ND*	28.69	14.55	28.38	19.67
40	19/08/2021	52.46	30.26	ND*	ND*	ND*	ND*	0.56	ND*	13.33	11.31	14.74	14.33
41	23/08/2021	77.22	44.56	ND*	ND*	ND*	ND*	0.58	ND*	18.56	8.36	18.38	23.62
42	26/08/2021	65.23	33.53	ND*	ND*	ND*	ND*	0.55	ND*	15.38	15.56	24.62	18.66
43	30/08/2021	54.28	25.68	ND*	ND*	ND*	ND*	0.63	ND*	21.63	17.19	21.54	13.41
44	02/09/2021	45.43	19.36	ND*	ND*	ND*	ND*	0.49	ND*	19.22	18.19	23.91	12.54
45	06/09/2021	51.31	27.36	ND*	ND*	ND*	ND*	0.31	ND*	14.38	13.38	27.60	17.61
46	09/09/2021	61.61	29.47	ND*	ND*	ND*	ND*	0.34	ND*	18.65	11.42	21.40	11.33
47	13/09/2021	57.35	24.57	ND*	ND*	ND*	ND*	0.76	ND*	13.42	14.70	31.31	23.39
48	16/09/2021	50.36	35.45	ND*	ND*	ND*	ND*	0.24	ND*	10.34	8.29	18.65	15.37
49	20/09/2021	55.38	28.42	ND*	ND*	ND*	ND*	0.25	ND*	25.49	12.25	24.35	13.61
50	23/09/2021	63.45	23.47	ND*	ND*	ND*	ND*	0.47	ND*	17.69	15.4	20.38	19.26
51	27/09/2021	59.42	26.45	ND*	ND*	ND*	ND*	0.42	ND*	21.63	19.53	17.55	14.79
52	30/09/2021	75.42	42.60	ND*	ND*	ND*	ND*	0.56	ND*	15.54	7.59	22.64	18.13

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

- ND*: - Not Detected - Lead as Pb ($\mu\text{g}/\text{m}^3$): 0.1
- ND*: - Not Detected - Carbon Monoxide as CO (mg/m^3): 0.01
- ND*: - Not Detected - Benzene as C_6H_6 ($\mu\text{g}/\text{m}^3$): 2
- ND*: - Not Detected - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
- ND*: - Not Detected - Arsenic as As (ng/m^3): 2
- ND*: - Not Detected - Nickel as Ni (ng/m^3): 5

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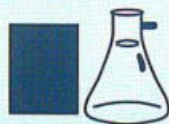


Table-1.4: Ambient Air Quality Monitoring Results at Container Terminal

Sr. No.	Date of Sampling	Location-4: Container Terminal (N 21° 05.187'E 72° 37.774)											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01/04/2021	69.35	32.49	ND*	ND*	ND*	ND*	0.44	ND*	29.67	11.58	25.15	19.53
2	05/04/2021	75.66	41.40	ND*	ND*	ND*	ND*	0.73	ND*	22.46	6.16	26.15	16.32
3	08/04/2021	64.51	31.21	ND*	ND*	ND*	ND*	0.33	ND*	25.21	13.27	22.32	21.27
4	12/04/2021	74.54	36.59	ND*	ND*	ND*	ND*	0.61	ND*	16.34	19.08	36.16	17.28
5	15/04/2021	61.51	27.89	ND*	ND*	ND*	ND*	0.85	ND*	14.35	10.68	24.28	18.67
6	19/04/2021	82.41	42.30	ND*	ND*	ND*	ND*	0.68	ND*	26.21	15.25	31.43	15.32
7	22/04/2021	65.36	45.70	ND*	ND*	ND*	ND*	0.54	ND*	10.63	9.70	23.53	22.08
8	26/04/2021	60.21	34.34	ND*	ND*	ND*	ND*	0.50	ND*	17.54	17.27	30.64	12.37
9	29/04/2021	58.62	35.57	ND*	ND*	ND*	ND*	0.58	ND*	30.65	12.27	20.26	14.66
10	03/05/2021	68.57	31.59	ND*	ND*	ND*	ND*	0.81	ND*	16.26	13.66	26.36	17.66
11	06/05/2021	53.67	21.66	ND*	ND*	ND*	ND*	0.27	ND*	20.21	11.24	21.24	22.41
12	10/05/2021	59.35	29.22	ND*	ND*	ND*	ND*	0.22	ND*	18.56	7.66	23.31	10.24
13	13/05/2021	78.37	42.38	ND*	ND*	ND*	ND*	0.55	ND*	21.63	12.63	20.47	16.26
14	20/05/2021	62.87	28.51	ND*	ND*	ND*	ND*	0.47	ND*	25.44	16.21	22.32	24.32
15	24/05/2021	70.67	36.51	ND*	ND*	ND*	ND*	0.65	ND*	28.41	14.83	28.68	15.34
16	27/05/2021	52.64	24.35	ND*	ND*	ND*	ND*	0.41	ND*	11.52	18.3	34.56	11.38
17	31/05/2021	67.51	34.19	ND*	ND*	ND*	ND*	0.62	ND*	17.51	8.63	31.25	13.11
18	03/06/2021	60.36	34.55	ND*	ND*	ND*	ND*	0.52	ND*	24.51	14.27	27.51	18.62
19	07/06/2021	68.61	26.51	ND*	ND*	ND*	ND*	0.81	ND*	12.57	12.51	20.63	24.66
20	10/06/2021	50.44	21.56	ND*	ND*	ND*	ND*	0.55	ND*	15.55	15.64	24.29	16.33
21	14/06/2021	77.65	39.37	ND*	ND*	ND*	ND*	0.33	ND*	10.54	17.74	29.49	10.27
22	17/06/2021	56.55	23.43	ND*	ND*	ND*	ND*	0.47	ND*	18.65	11.36	17.57	13.40
23	21/06/2021	70.52	29.45	ND*	ND*	ND*	ND*	0.31	ND*	14.57	10.20	21.55	25.20
24	24/06/2021	78.65	40.66	ND*	ND*	ND*	ND*	0.25	ND*	26.53	16.83	25.47	17.53
25	28/06/2021	55.34	27.33	ND*	ND*	ND*	ND*	0.27	ND*	19.96	6.35	31.57	14.51
26	01/07/2021	70.51	33.84	ND*	ND*	ND*	ND*	0.66	ND*	29.45	8.52	34.55	21.51
27	05/07/2021	65.69	28.47	ND*	ND*	ND*	ND*	0.17	ND*	13.73	18.51	30.49	19.57
28	08/07/2021	77.52	45.25	ND*	ND*	ND*	ND*	0.63	ND*	16.59	16.53	19.36	15.21
29	12/07/2021	72.62	35.60	ND*	ND*	ND*	ND*	0.21	ND*	22.81	14.25	32.57	18.47
30	15/07/2021	66.24	27.57	ND*	ND*	ND*	ND*	0.53	ND*	15.33	10.25	18.44	24.59
31	19/07/2021	59.35	34.18	ND*	ND*	ND*	ND*	0.57	ND*	32.26	12.30	31.60	11.50

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32	22/07/2021	67.52	41.29	ND*	ND*	ND*	ND*	0.97	ND*	14.39	17.66	21.28	14.39
33	26/07/2021	46.53	21.52	ND*	ND*	ND*	ND*	0.30	ND*	21.29	9.37	17.36	20.21
34	29/07/2021	79.14	43.69	ND*	ND*	ND*	ND*	0.58	ND*	18.39	11.43	25.52	12.94
35	02/08/2021	73.52	36.31	ND*	ND*	ND*	ND*	0.41	ND*	22.59	12.64	23.71	25.64
36	05/08/2021	55.30	25.38	ND*	ND*	ND*	ND*	0.49	ND*	20.59	13.69	26.37	14.85
37	09/08/2021	65.34	31.50	ND*	ND*	ND*	ND*	0.37	ND*	14.59	20.76	29.49	17.64
38	12/08/2021	70.38	38.57	ND*	ND*	ND*	ND*	0.89	ND*	33.37	16.35	27.56	20.39
39	16/08/2021	54.37	30.46	ND*	ND*	ND*	ND*	0.61	ND*	36.58	19.29	24.23	21.79
40	19/08/2021	60.58	35.35	ND*	ND*	ND*	ND*	0.47	ND*	21.37	9.44	20.29	19.35
41	23/08/2021	71.55	39.37	ND*	ND*	ND*	ND*	0.31	ND*	15.36	15.46	33.28	18.59
42	26/08/2021	53.59	24.53	ND*	ND*	ND*	ND*	0.14	ND*	26.41	18.46	30.54	24.54
43	30/08/2021	62.57	28.30	ND*	ND*	ND*	ND*	0.24	ND*	17.66	14.62	18.45	15.61
44	02/09/2021	50.31	22.59	ND*	ND*	ND*	ND*	0.58	ND*	13.33	13.68	27.38	18.46
45	06/09/2021	58.39	39.55	ND*	ND*	ND*	ND*	0.38	ND*	23.58	8.46	23.52	11.45
46	09/09/2021	46.33	19.43	ND*	ND*	ND*	ND*	0.48	ND*	15.46	12.35	28.45	16.69
47	13/09/2021	52.45	21.59	ND*	ND*	ND*	ND*	0.53	ND*	10.63	9.58	21.63	13.53
48	16/09/2021	62.55	31.63	ND*	ND*	ND*	ND*	0.41	ND*	22.68	6.37	15.68	19.65
49	20/09/2021	67.62	42.46	ND*	ND*	ND*	ND*	0.64	ND*	18.34	14.21	19.32	10.53
50	23/09/2021	49.32	26.31	ND*	ND*	ND*	ND*	0.45	ND*	12.41	11.16	16.38	17.53
51	27/09/2021	54.36	23.69	ND*	ND*	ND*	ND*	0.27	ND*	19.33	17.61	26.37	12.21
52	30/09/2021	64.33	38.42	ND*	ND*	ND*	ND*	0.6	ND*	11.32	10.22	29.19	14.28

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

- ND*: - Not Detected - Lead as Pb ($\mu\text{g}/\text{m}^3$): 0.5
 ND*: - Not Detected - Carbon Monoxide as CO (mg/m^3): 0.01
 ND*: - Not Detected - Benzene as C_6H_6 ($\mu\text{g}/\text{m}^3$): 2
 ND*: - Not Detected - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
 ND*: - Not Detected - Arsenic as As (ng/m^3): 2
 ND*: - Not Detected - Nickel as Ni (ng/m^3): 5

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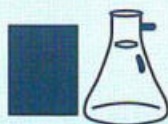
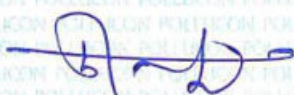


Table-1.5: Ambient Air Quality Monitoring Results at Hazira Village

Sr. No.	Date of Sampling	Location-5: Hazira Village (N 21° 05.44' E 72° 38.44')											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01/04/2021	79.36	35.36	ND*	ND*	ND*	ND*	0.96	ND*	30.57	15.75	30.58	23.67
2	05/04/2021	85.34	48.43	0.84	ND*	2.62	ND*	0.81	ND*	33.46	22.35	35.65	21.57
3	08/04/2021	70.36	37.55	ND*	ND*	ND*	ND*	0.87	ND*	15.61	18.77	39.11	25.64
4	12/04/2021	83.44	45.50	ND*	ND*	ND*	ND*	0.66	ND*	26.55	26.26	42.36	27.58
5	15/04/2021	66.52	34.80	ND*	ND*	ND*	ND*	1.01	ND*	20.55	20.33	38.45	24.27
6	19/04/2021	87.67	46.58	0.69	ND*	2.52	ND*	0.76	ND*	32.45	23.43	36.23	28.27
7	22/04/2021	75.21	40.36	ND*	ND*	ND*	ND*	0.89	ND*	22.63	13.42	27.66	18.58
8	26/04/2021	86.26	44.17	ND*	ND*	ND*	ND*	0.62	ND*	25.34	21.25	33.33	16.64
9	29/04/2021	93.43	38.26	0.50	ND*	2.45	ND*	0.45	ND*	28.37	24.25	40.35	13.23
10	03/05/2021	82.66	46.29	0.62	ND*	2.26	10.18	0.58	ND*	25.55	16.8	28.56	25.33
11	06/05/2021	89.36	43.51	ND*	ND*	ND*	ND*	0.72	ND*	23.54	21.2	31.36	27.86
12	10/05/2021	75.34	34.64	ND*	ND*	ND*	ND*	0.40	ND*	13.67	15.25	35.42	21.67
13	13/05/2021	88.25	47.58	0.72	ND*	2.42	10.51	0.74	ND*	24.20	23.51	32.56	24.55
14	20/05/2021	77.63	45.57	ND*	ND*	ND*	ND*	0.82	ND*	33.43	22.3	37.65	20.85
15	24/05/2021	87.62	48.54	0.65	ND*	2.15	10.33	0.61	ND*	37.52	20.26	33.66	28.12
16	27/05/2021	78.81	42.24	ND*	ND*	ND*	ND*	0.57	ND*	21.56	24.51	40.24	22.58
17	31/05/2021	86.45	30.66	ND*	ND*	ND*	ND*	0.39	ND*	34.37	18.53	36.44	18.53
18	03/06/2021	89.61	49.37	0.73	ND*	2.34	10.26	0.86	ND*	33.44	17.49	35.45	15.34
19	07/06/2021	78.55	42.55	ND*	ND*	ND*	ND*	0.6	ND*	20.17	20.46	32.39	22.58
20	10/06/2021	64.27	28.52	ND*	ND*	ND*	ND*	0.71	ND*	18.23	14.59	27.60	18.89
21	14/06/2021	86.52	50.25	0.62	ND*	2.42	10.44	0.88	ND*	30.22	22.96	33.47	23.52
22	17/06/2021	62.42	25.31	ND*	ND*	ND*	ND*	0.78	ND*	21.53	16.72	25.36	25.58
23	21/06/2021	75.64	38.67	ND*	ND*	ND*	ND*	0.61	ND*	28.82	21.24	40.24	21.22
24	24/06/2021	85.33	44.25	0.65	ND*	2.16	10.39	0.92	ND*	25.41	23.49	34.6	27.52
25	28/06/2021	77.21	40.87	ND*	ND*	ND*	ND*	0.85	ND*	34.35	15.34	28.69	29.27
26	01/07/2021	88.63	47.54	0.56	ND*	2.46	10.60	0.98	ND*	31.59	25.37	31.25	23.56
27	05/07/2021	72.61	31.25	ND*	ND*	ND*	ND*	0.84	ND*	24.46	16.27	37.37	25.61
28	08/07/2021	81.53	48.23	0.61	ND*	2.25	10.14	0.90	ND*	35.38	21.56	30.54	19.41
29	12/07/2021	68.47	30.26	ND*	ND*	ND*	ND*	0.42	ND*	32.56	18.47	26.91	21.83
30	15/07/2021	82.46	43.38	ND*	ND*	ND*	ND*	0.60	ND*	38.63	20.29	35.36	22.67
31	19/07/2021	64.51	40.66	ND*	ND*	ND*	ND*	0.73	ND*	40.25	14.54	28.36	29.25



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32	22/07/2021	80.27	45.33	0.54	ND*	2.40	10.44	0.52	ND*	26.58	22.33	38.69	20.8
33	26/07/2021	73.57	35.80	ND*	ND*	ND*	ND*	0.47	ND*	33.66	19.63	33.44	24.36
34	29/07/2021	85.53	46.35	ND*	ND*	ND*	ND*	0.80	ND*	30.61	17.36	29.34	26.46
35	02/08/2021	66.31	32.43	ND*	ND*	ND*	ND*	0.68	ND*	18.65	18.64	37.60	25.16
36	05/08/2021	77.5	38.44	ND*	ND*	ND*	ND*	1.02	ND*	33.52	15.28	23.47	28.47
37	09/08/2021	82.68	45.32	0.75	ND*	2.36	10.11	0.88	ND*	27.33	22.32	38.54	22.66
38	12/08/2021	52.67	20.32	ND*	ND*	ND*	ND*	0.76	ND*	36.43	19.63	29.40	27.59
39	16/08/2021	74.32	42.34	ND*	ND*	ND*	ND*	0.94	ND*	24.51	24.54	32.57	23.21
40	19/08/2021	65.42	39.21	ND*	ND*	ND*	ND*	0.44	ND*	15.65	17.56	27.39	20.27
41	23/08/2021	86.85	47.54	0.75	ND*	2.24	10.70	0.85	ND*	31.37	20.35	39.63	29.37
42	26/08/2021	80.35	41.62	ND*	ND*	ND*	ND*	0.96	ND*	23.68	23.64	34.32	16.16
43	30/08/2021	73.67	36.45	ND*	ND*	ND*	ND*	0.92	ND*	26.33	21.67	28.55	21.51
44	02/09/2021	62.49	28.39	ND*	ND*	ND*	ND*	0.78	ND*	24.31	21.61	30.72	13.86
45	06/09/2021	75.6	42.63	0.55	ND*	2.18	10.39	0.61	ND*	29.64	18.61	33.73	16.57
46	09/09/2021	66.38	30.27	ND*	ND*	ND*	ND*	0.74	ND*	23.49	13.27	25.38	25.73
47	13/09/2021	61.36	27.52	ND*	ND*	ND*	ND*	0.86	ND*	22.33	16.58	27.65	19.38
48	16/09/2021	67.52	38.63	ND*	ND*	ND*	ND*	0.77	ND*	30.63	19.14	26.27	21.24
49	20/09/2021	79.49	45.7	0.69	ND*	2.36	10.18	0.94	ND*	16.64	22.42	34.26	24.35
50	23/09/2021	73.46	33.55	ND*	ND*	ND*	ND*	0.79	ND*	19.48	14.67	29.4	14.67
51	27/09/2021	64.36	29.44	ND*	ND*	ND*	ND*	0.88	ND*	21.65	24.54	36.53	22.15
52	30/09/2021	70.54	40.65	0.62	ND*	ND*	10.22	0.69	ND*	25.38	20.24	32.70	18.66

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

ND*: - Not Detected - Lead as Pb ($\mu\text{g}/\text{m}^3$): 0.1
 ND*: - Not Detected - Carbon Monoxide as CO (mg/m^3): 0.01
 ND*: - Not Detected - Benzene as C_6H_6 ($\mu\text{g}/\text{m}^3$): 2
 ND*: - Not Detected - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
 ND*: - Not Detected - Arsenic as As (ng/m^3): 2
 ND*: - Not Detected - Nickel as Ni (ng/m^3): 5

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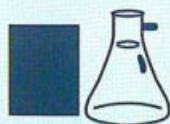
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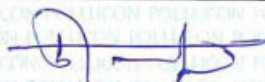
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4B. GROUND WATER QUALITY MONITORING: -

Table-1.6A: Ground Water Quality Results for the period: April, 2021 to September, 2021

Sr. NO.	TEST PARAMETERS	UNIT	GROUND WATER BORE WELL					
			APR-21	MAY-21	JUN-21	JUL-21	AUG-21	SEP-21
			15/04/2021	06/05/2021	25/06/2021	29/07/2021	31/08/2021	29/09/2021
1	Colour	Hazen	3	4	3	4	2	2
2	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Taste	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	0.12	0.15	0.17	0.18	0.17	0.13
5	pH Value	--	7.58	7.42	7.69	7.58	7.61	7.74
6	Total Hardness as CaCO ₃	mg/L	362	386	413	364	420	406
7	Iron as Fe	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Chloride as Cl	mg/L	152	132	140	128	148	114
9	Residual Free Chlorine	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
10	Fluoride as F	mg/L	0.3	0.37	0.28	0.36	0.17	0.21
11	Total Dissolved Solids	mg/L	1423	1327	1293	1328	1248	984
12	Calcium as Ca	mg/L	38.4	42.4	46.4	48.4	52	74.4
13	Magnesium as Mg	mg/L	63.84	67.2	71.28	58.32	62.88	52.8
14	Copper as Cu	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
15	Manganese as Mn	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
16	Sulphate as SO ₄	mg/L	72.4	79.0	72.3	69.3	22.9	24.6
17	Nitrate Nitrogen as NO ₃	mg/L	13.80	11.20	9.64	7.46	7.20	5.32
18	Phenolic compounds as C ₆ H ₅ OH	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
19	Mercury as Hg	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
20	Cadmium as Cd	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
21	Selenium as Se	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
22	Arsenic as As	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
23	Cyanide as CN	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
24	Lead as Pb	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
25	Zinc as Zn	mg/L	0.093	0.120	0.150	0.210	0.180	0.240
26	Anionic Detergents as MBAS	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
27	Chromium as Cr ⁺⁶	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
28	Mineral Oil	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
29	Alkalinity	mg/L	623	593	524	413	416	403
30	Aluminum as Al	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
31	Boron as B	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32	Pesticides							
32.1	Alachor	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.2	Atrazine	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.3	Aldrin/Dieldrine	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.4	Alpha HCH	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.5	Beta HCH	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.6	Butachlor	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.7	Chlorpyrifos	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected



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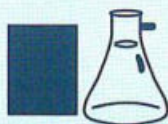
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Sr. NO.	TEST PARAMETERS	UNIT	GROUND WATER BORE WELL					
			APR-21	MAY-21	JUN-21	JUL-21	AUG-21	SEP-21
			15/04/2021	06/05/2021	25/06/2021	29/07/2021	31/08/2021	29/09/2021
32.8	Delta HCH	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.9	2,4- Dichlorophenoxy acetic acid	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.10	DDT (o,p&p,p-Isomers of DDT, DDE & DDD	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.11	Endosulfan (alpha, beta, and sulphate)	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.12	Ethion	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.13	Gamma – HCH (Lindane)	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.14	Isoproturon	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.15	Malathion	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.16	Methyl Parathion	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.17	Monocrotophos	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.18	Phorate	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
33	Coliform	/100 ml	Absent	Absent	Absent	Absent	Absent	Absent
34	E-Coli	/100 ml	Absent	Absent	Absent	Absent	Absent	Absent

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

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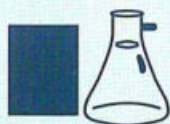


Table-1.6B: Ground Water Quality Results for the period: April, 2021 to September, 2021

Sr. NO.	TEST PARAMETERS	UNIT	GROUND WATER OPEN WELL					
			APR-21	MAY-21	JUN-21	JUL-21	AUG-21	SEP-21
			15/04/2021	06/05/2021	25/06/2021	29/07/2021	31/08/2021	29/09/2021
1	Colour	Hazen	4	3	4	3	4	3
2	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Taste	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	0.16	0.12	0.15	0.19	0.15	0.17
5	pH Value	--	8.13	8.03	7.93	7.86	7.78	7.83
6	Total Hardness as CaCO ₃	mg/L	382	364	402	392	360	356
7	Iron as Fe	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Chloride as Cl	mg/L	102	112	123	112	132	108
9	Residual Free Chlorine	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
10	Fluoride as F	mg/L	Not Detected	Not Detected	0.075	0.093	0.093	0.098
11	Total Dissolved Solids	mg/L	1026	1056	1027	1168	928	906
12	Calcium as Ca	mg/L	67.2	62.8	56.8	58.4	48.0	52.8
13	Magnesium as Mg	mg/L	51.36	49.68	62.4	59.04	57.6	53.78
14	Copper as Cu	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
15	Manganese as Mn	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
16	Sulphate as SO ₄	mg/L	30.6	35.4	31.8	35.8	18.4	16.4
17	Nitrate Nitrogen as NO ₃	mg/L	9.84	7.56	5.92	6.39	5.68	4.28
18	Phenolic compounds as C ₆ H ₅ OH	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
19	Mercury as Hg	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
20	Cadmium as Cd	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
21	Selenium as Se	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
22	Arsenic as As	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
23	Cyanide as CN	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
24	Lead as Pb	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
25	Zinc as Zn	mg/L	0.14	0.19	0.17	0.19	0.14	0.12
26	Anionic Detergents as MBAS	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
27	Chromium as Cr ⁺⁶	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
28	Mineral Oil	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
29	Alkalinity	mg/L	376	365	328	304	312	326
30	Aluminum as Al	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
31	Boron as B	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32								
32.1	Alachor	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.2	Atrazine	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.3	Aldrin/Dieldrine	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.4	Alpha HCH	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.5	Beta HCH	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.6	Butachlor	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.7	Chlorpyrifos	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.8	Delta HCH	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

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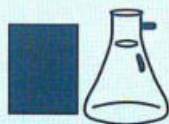
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Sr. NO.	TEST PARAMETERS	UNIT	GROUND WATER OPEN WELL					
			APR-21	MAY-21	JUN-21	JUL-21	AUG-21	SEP-21
			15/04/2021	06/05/2021	25/06/2021	29/07/2021	31/08/2021	29/09/2021
32.9	2,4- Dichlorophenoxy acetic acid	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.10	DDT (o,p&p,p-Isomers of DDT, DDE & DDD	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.11	Endosulfan (alpha, beta, and sulphate)	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.12	Ethion	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.13	Gamma – HCH (Lindane)	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.14	Isoproturon	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.15	Malathion	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.16	Methyl Parathion	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.17	Monocrotophos	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
32.18	Phorate	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
33	Coliform	/100 ml	Absent	Absent	Absent	Absent	Absent	Absent
34	E-Coli	/100 ml	Absent	Absent	Absent	Absent	Absent	Absent

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

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4C. SURFACE WATER QUALITY MONITORING: -

Table-1.7: Surface Water (Pond) Quality Results for the period: April, 2021 to September, 2021

Sr. No.	Parameters	Unit	At Mora Village (Surface Water – Pond)					
			APR-21	MAY-21	JUN-21	JUL-21	AUG-21	SEP-21
			15/04/2021	06/05/2021	25/06/2021	29/07/2021	31/08/2021	29/09/2021
1	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
2	Colour	Hazen	7	5	4	3	2	3
3	Taste	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	pH Value	--	7.59	7.31	7.19	7.36	7.21	7.64
5	Turbidity	NTU	0.13	0.15	0.13	0.15	0.11	0.12
6	Total Dissolved Solids	mg/L	714	702	719	629	608	738
7	Total Hardness as CaCO ₃	mg/L	309	324	336	298	216	246
8	Chloride as Cl	mg/L	108	116	110	96	86	92
9	Fluoride as F	mg/L	0.23	0.19	0.27	0.25	0.17	0.26
10	Iron as Fe	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
11	Coliform	/100 ml	Absent	Absent	Absent	Absent	Absent	Absent
12	E-Coli	/100 ml	Absent	Absent	Absent	Absent	Absent	Absent

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

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4D. SEA WATER QUALITY MONITORING: -

Table-1.8: Sea Water Quality Analysis Results of CB2 South End towards Landside from the Sea Basin for the period: April, 2021 to September, 2021

S. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS											
			CB2 SOUTH END TOWARDS LANDSIDE FROM SEA BASIN(N 21° 5'1.92", E 72°37'56.58")											
			APR-21		MAY-21		JUN-21		JUL-21		AUG-21		SEP-21	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.17	8.13	7.93	7.89	8.14	8.07	8.05	8.01	7.98	7.92	8.01	8.05
2	Temperature	°C	30.3	30.1	30.4	30.2	30.2	30.1	29.9	29.7	29.7	29.6	29.9	29.7
3	Total Suspended Solids	mg/L	259	227	267	248	247	228	228	203	236	228	128	112
4	BOD (3 Days @ 27 °C)	mg/L	3.2	Not Detected	4.1	Not Detected	3.6	Not Detected	3.2	Not Detected	3.0	Not Detected	2.3	Not Detected
5	Dissolved Oxygen	mg/L	5.8	5.7	5.9	5.7	6.0	5.8	5.8	5.6	5.9	5.7	6.0	5.8
6	Salinity	ppt	31.2	31.6	30.4	30.6	30.1	30.3	30.86	30.52	30.52	30.79	22.84	23.98
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	μmol /L	3.93	3.62	4.26	3.98	3.19	2.87	2.37	2.18	2.63	2.41	2.39	2.28
9	Nitrite as NO ₂	μmol /L	0.85	0.51	1.13	0.87	0.71	0.69	1.7	1.76	1.38	1.19	1.25	1.14
10	Ammonical Nitrogen as NH ₃	μmol /L	2.76	2.47	2.5	2.41	2.89	2.73	2.51	2.37	2.42	2.37	2.34	2.23
11	Phosphates as PO ₄	μmol /L	2.19	1.93	3.18	2.90	2.63	2.48	1.62	1.79	1.98	1.83	2.19	1.94
12	Total Nitrogen	μmol /L	7.54	6.6	7.89	7.26	6.79	6.29	6.58	6.31	6.43	5.97	5.98	5.65
13	Petroleum Hydrocarbon	μg/L	15.0	Not Detected	17.4	Not Detected	13.6	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14	Total Dissolved Solids	mg/L	32576	32490	32296	32483	32107	32218	32738	32420	32496	32674	24612	25714
15	COD	mg/L	25.3	19.2	23.4	18.2	19.4	Not Detected	18.0	Not Detected	14.8	12.0	9.6	Not Detected
A Phytoplankton														
16.1	Chlorophyll	mg/ m ³	2.76	2.4	2.67	2.38	2.72	2.46	2.63	2.44	2.52	2.35	2.61	2.56
16.2	Phaeophytin	mg/ m ³	0.26	0.17	0.36	0.19	0.3	0.11	0.37	0.13	0.55	0.22	1.98	2.03
16.3	Cell Count	No.x 10 ³ / L	174	86	150	96	124	102	158	106	124	84	150	106
16.4	Name of Group Number and name of group species of each group	--	Navicul a sp. Closteri um sp. Scened esmus sp. Rhizoso lenia sp. Skeleto nema sp.	Nitzschi a sp. Fragilla ria sp. Synedr a sp. Melosir a sp.	Scened esmus sp. Spirulin a sp. Thallasi osira sp. Biddulp hia sp. Skeleto nema sp.	Nitzschi a sp. Navicul a sp. Melosir a sp. Cyclotel la sp.	Ankistr odesm us sp. Coscino discus sp. Nitzschi a sp. Melosir a sp.	Navicul a sp. Thallasi osira sp. Synedr a sp. Cyclotel la sp.	Rhizoso lenia sp. Thallasi onema sp. Pleuros igma sp. Coscino discus sp.	Nitzschi a sp. Navicul a sp. Synedr a sp. Biddulp hia sp.	Biddulp hia sp. Thallasi onema sp. Scened esmus sp. Skeleto nema sp. Melosir a sp.	Nitzschi a sp. Navicul a sp. Synedr a sp. Gyrosig ma sp.	Rhizoso lenia sp. Skeleto nema sp. Peridini um sp. Navicul a sp. Scened esmus sp.	Nitzschi a sp. Ankistr odesm us sp. Peridini um sp. Synedr a sp.

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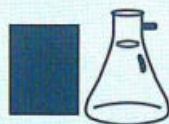
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S. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS CB2 SOUTH END TOWARDS LANDSIDE FROM SEA BASIN(N 21° 5'1.92", E 72°37'56.58")											
			APR-21		MAY-21		JUN-21		JUL-21		AUG-21		SEP-21	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
B	Zooplanktons													
17.1	Abundance (Population)	Nox10 3/100 m3	30		27		20		24		21		18	
17.2	Name of Group Number and name of group species of each group	--	Hydrozoans Polychaetes Bivalves Ostracodes		Copepods Decapods Chaetognathes		Polychaetes Copepods Decapods		Polychaetes Decapods Amphipods		Copepods Polychaetes Amphipods		Copepods Polychaetes Chaetognaths Amphipods	
17.3	Total Biomass	ml/10 0 m³	2.95		2.60		2.05		2.10		2.05		1.85	
C	Microbiological Parameters													
18.1	Total Bacterial Count	CFU/ ml	2470		2550		2819		2710		2650		2540	
18.2	Total Coliform	/ml	Present		Present		Present		Present		Present		Present	
18.3	E.coli	/ml	Absent		Absent		Absent		Absent		Absent		Absent	
18.4	Enterococcus species	/ml	Present		Present		Present		Present		Present		Present	
18.5	Salmonella species	/ml	Absent		Absent		Absent		Absent		Absent		Absent	
18.6	Shigella species	/ml	Absent		Absent		Absent		Absent		Absent		Absent	
18.7	Vibrio species	/ml	Absent		Absent		Absent		Absent		Absent		Absent	

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


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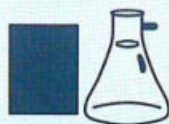


Table-1.9: Sea Water Quality Analysis Results of MP1 West End towards Channel from the Sea Basin for the period: April, 2021 to September, 2021

S. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS											
			MP1 WEST END TOWARDS CHANNEL FROM SEA BASIN(N 21° 5'9.78",E 72°37'24.48")											
			APR-21		MAY-21		JUN-21		JUL-21		AUG-21		SEP-21	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.19	8.15	8.03	7.98	8.15	8.03	7.96	7.93	7.95	7.92	7.98	8.02
2	Temperature	°C	30.3	30.1	30.4	30.2	30.2	30.1	29.7	29.5	29.8	29.6	29.9	29.8
3	Total Suspended Solids	mg/L	256	238	261	247	245	229	231	214	245	230	158	139
4	BOD (3 Days @ 27 °C)	mg/L	3.5	Not Detected	3.3	Not Detected	3.1	Not Detected	2.8	Not Detected	2.9	Not Detected	2.5	Not Detected
5	Dissolved Oxygen	mg/L	5.8	5.7	5.9	5.8	6.0	5.9	5.8	5.7	5.9	5.8	6.0	5.9
6	Salinity	ppt	31.1	31.6	30.3	30.5	30	30.4	31.1	31.42	30.84	30.98	23.3	24.46
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	µmo l/L	3.98	3.75	4.17	3.92	3.26	3.15	2.56	2.10	2.45	2.35	2.34	2.28
9	Nitrite as NO ₂	µmo l/L	0.83	0.61	0.92	0.81	0.58	0.46	1.27	1.58	1.35	1.33	1.29	1.17
10	Ammonical Nitrogen as NH ₃	µmo l/L	2.64	2.48	2.51	2.23	2.19	2.10	2.35	2.29	2.53	2.48	2.24	2.18
11	Phosphates as PO ₄	µmo l/L	2.13	1.97	2.47	2.29	2.51	2.37	1.67	1.49	1.86	1.73	1.98	1.86
12	Total Nitrogen	µmo l/L	7.45	6.84	7.60	6.96	6.03	5.71	6.18	5.97	6.33	6.16	5.87	5.63
13	Petroleum Hydrocarbon	µg/L	17.6	Not Detected	15.8	Not Detected	13.6	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14	Total Dissolved Solids	mg/L	32964	33502	32207	32396	31924	32316	32924	33264	32714	32865	25128	26184
15	COD	mg/L	23.50	19.30	25.80	17.40	18.90	Not Detected	17.80	Not Detected	13.98	11.80	11.32	8.26
A Phytoplankton														
16.1	Chlorophyll	mg/m ³	2.61	2.24	2.56	2.18	2.71	2.37	2.52	2.14	2.34	1.97	2.56	2.45
16.2	Phaeophytin	mg/m ³	0.52	0.12	0.58	0.17	0.23	0.20	0.51	0.25	0.69	0.43	2.03	2.37
16.3	Cell Count	No.x 10 ³ /L	170	86	148	94	136	104	126	92	118	86	152	106
16.4	Name of Group Number and name of group species of each group	--	Thalasi onema sp. Skeleto nema sp. Coscino discus sp. Rhizoso lenia sp. Melosir a sp.	Nitzschi a sp. Navicul a sp. Fragilla ria sp. Ceratiu m sp.	Nitzschi a sp. Coscino discus sp. Biddulp hia sp. Skeleto nema sp. Thallasi osira sp.	Thalas sio thrix sp. Navicul a sp. Melosir a sp. Cyclote lla sp.	Thallasi onema sp. Nitzschi a sp. Gyro sigma sp. Coscino discus sp.	Nitzsch ia sp. Cheato cerous sp. Synedr a sp. Melosir a sp.	Skeleto nema sp. Thallasi onema sp. Scened esmus sp. Coscino discus sp. Pleuros igma sp.	Nitzschi a sp. Navicul a sp. Peridini um sp. Cyclotel la sp.	Melosir a sp. Thallasi onema sp. Scened esmus sp. Coscino discus sp.	Nitzschi a sp. Synedr a sp. Pleuros igma sp. Cyclotel la sp.	Peridini um sp. Scened esmus sp. Ankistr odesm us sp. Thallasi osira sp. Skeleto nema sp.	Navicul a sp. Nitzschi a sp. Melosir a sp. Coscino discus sp.

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S. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS MP1 WEST END TOWARDS CHANNEL FROM SEA BASIN(N 21° 5'9.78",E 72°37'24.48")											
			APR-21		MAY-21		JUN-21		JUL-21		AUG-21		SEP-21	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
B	Zooplanktons													
17.1	Abundance (Population)	Nox10 3/100 m3	28		24		26		21		20		17	
17.2	Name of Group Number and name of group species of each group	--	Hydrozoans Polychaetes Bivalves Gastropods		Chaetognathes Decapods Amphipods Polychaetes		Polychaetes Amphipods Decapods		Polychaetes Amphipods Copepods		Polychaetes Isopods Decapods		Copepods Amphipods Polychaetes Ostracods	
17.3	Total Biomass	ml/10 0 m³	2.65		2.10		2.25		1.90		1.95		1.65	
C	Microbiological Parameters													
18.1	Total Bacterial Count	CFU/ ml	2390		2510		2690		2450		2540		2610	
18.2	Total Coliform	/ml	Present		Present		Present		Present		Present		Present	
18.3	E.coli	/ml	Absent		Absent		Absent		Absent		Absent		Absent	
18.4	Enterococcus species	/ml	Present		Present		Present		Present		Present		Present	
18.5	Salmonella species	/ml	Absent		Absent		Absent		Absent		Absent		Absent	
18.6	Shigella species	/ml	Absent		Absent		Absent		Absent		Absent		Absent	
18.7	Vibrio species	/ml	Absent		Absent		Absent		Absent		Absent		Absent	

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

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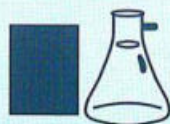


Table-1.10: Sea Water Quality Analysis Results of CB1 End towards Channel from the Sea Basin for the period: April, 2021 to September, 2021

S. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS CB1 END TOWARDS CHANNEL FROM SEA BASIN (N 21° 5'14.67" , E 72°37'40.14")											
			APR-21		MAY-21		JUN-21		JUL-21		AUG-21		SEP-21	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.2	8.16	7.98	7.92	8.13	8.1	7.99	8.02	7.98	7.94	7.96	8.03
2	Temperature	oC	30.3	30	30.4	30.2	30.2	30	29.8	29.7	29.9	29.8	29.8	29.6
3	Total Suspended Solids	mg/L	259	231	278	249	239	217	224	209	231	219	146	123
4	BOD (3 Days @ 27 °C)	mg/L	3.30	Not Detected	3.60	Not Detected	3.34	Not Detected	3.10	Not Detected	3.00	Not Detected	2.46	Not Detected
5	Dissolved Oxygen	mg/L	5.8	5.7	5.8	5.6	5.9	5.8	5.9	5.7	5.9	5.8	6	5.9
6	Salinity	ppt	31.2	31.6	30.1	30.4	30	30.3	30.34	31.74	30.76	30.94	21.48	22.68
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	µmo/l/L	4.13	3.87	4.28	4.17	3.21	3.15	2.47	2.28	2.58	2.49	2.31	2.2
9	Nitrite as NO ₂	µmo/l/L	0.69	0.43	0.91	0.83	0.78	0.63	1.72	1.35	1.43	1.37	1.27	1.21
10	Ammonical Nitrogen as NH ₃	µmo/l/L	2.71	2.35	2.37	2.25	2.28	2.1	2.38	2.19	2.49	2.41	2.23	2.19
11	Phosphates as PO ₄	µmo/l/L	2.34	2.17	2.5	2.39	2.39	2.25	2.8	3.17	2.37	2.26	2.16	2.06
12	Total Nitrogen	µmo/l/L	7.53	6.65	7.56	7.25	6.27	5.88	6.57	5.82	6.5	6.27	5.81	5.6
13	Petroleum Hydrocarbon	µg/L	15	Not Detected	17.4	Not Detected	14.6	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14	Total Dissolved Solids	mg/L	33198	33476	32018	32306	31942	32368	32246	33560	32642	32812	23286	24464
15	COD	mg/L	24.3	18.5	21.9	17.6	20.3	Not Detected	17.8	Not Detected	14.8	13.6	10.38	8.32
A Phytoplankton														
16.1	Chlorophyll	mg/m ³	2.65	2.18	2.69	2.20	2.56	2.36	2.60	2.21	2.46	2.24	2.40	2.18
16.2	Phaeophytin	mg/m ³	0.29	0.13	0.25	0.11	0.58	0.21	0.54	0.15	0.67	0.12	2.19	2.00
16.3	Cell Count	No.x 10 ³ /L	178	84	144	90	136	102	148	102	136	94	158	102
16.4	Name of Group Number and name of group species of each group	--	Skeletonema sp. Pleurosigma sp. Thalassiosira sp. Rhizosolenia sp.	Navicula sp. Nitzschia sp. Melosira sp. Synedra sp.	Scenedesmus sp. Skeletonema sp. Thalassiosira sp. Coscino discus sp. Rhizosolenia sp.	Nitzschia sp. Navicula sp. Biddulphia sp. Synedra sp.	Biddulphia sp. Thalassiosira sp. Cheatoceus sp. Rhizosolenia sp. Thalassiosira sp.	Nitzschia sp. Melosira sp. Synedra sp. Navicula sp.	Coscino discus sp. Thalassiosira sp. Rhizosolenia sp. Thalassiosira sp.	Navicula sp. Melosira sp. Synedra sp. Cyclotella sp.	Coscino discus sp. Skeletonema sp. Rhizosolenia sp. Thalassiosira sp. Melosira sp.	Navicula sp. Pleurosigma sp. Synedra sp. Fragillaria sp. Nitzschia sp.	Navicula sp. Ankistrodesmus sp. Scenedesmus sp. Rhizosolenia sp.	Nitzschia sp. Thalassiosira sp. Melosira sp. Synedra sp.

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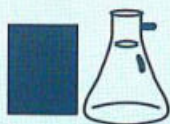
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S. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS CB1 END TOWARDS CHANNEL FROM SEA BASIN (N 21° 5'14.67" , E 72°37'40.14")											
			APR-21		MAY-21		JUN-21		JUL-21		AUG-21		SEP-21	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
B	Zooplanktons													
17.1	Abundance (Population)	Nox10 3/100 m3	28		25		23		20		22		18	
17.2	Name of Group Number and name of group species of each group	--	Ostracodes Mysids Polychaetes Gastropods		Decapods Mysids Gastropods Copepods		Copepods Polychaetes Ostracods		Copepods Polychaetes Decapods Bivalves		Copepods Polychaetes Ostracods Isopods		Chaetognaths Amphipods Copepods	
17.3	Total Biomass	ml/10 0 m ³	2.4		2.10		2.05		1.90		2.15		1.75	
C	Microbiological Parameters													
18.1	Total Bacterial Count	CFU/ ml	2380		2450		2590		2300		2480		2510	
18.2	Total Coliform	/ml	Present		Present		Present		Present		Present		Present	
18.3	E.coli	/ml	Absent		Absent		Absent		Absent		Absent		Absent	
18.4	Enterococcus species	/ml	Present		Present		Present		Present		Present		Present	
18.5	Salmonella species	/ml	Absent		Absent		Absent		Absent		Absent		Absent	
18.6	Shigella species	/ml	Absent		Absent		Absent		Absent		Absent		Absent	
18.7	Vibrio species	/ml	Absent		Absent		Absent		Absent		Absent		Absent	

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

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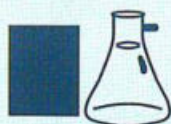
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4E. DUMP POND DISCHARGE WATER QUALITY MONITORING: -

Table-1.11: Dump Pond Water Quality Analysis Results for the Period: April, 2021 to September, 2021

Sr. No.	Parameters	Unit	20/05/2021	20/05/2021	31/08/2021	31/08/2021
			OLD COAL YARD	PET COCK	OLD COAL YARD	PET COCK
1	pH	--	8.37	8.71	7.46	7.82
2	Total Dissolved Solids	mg/L	2568	1986	2021	1216
3	Total Suspended Solids	mg/L	57	65	49	62
4	Turbidity	NTU	14.2	13.8	12.8	9.7
5	BOD (3 Days @ 27 °C)	mg/L	32	30.8	34	24
6	Dissolved Oxygen	mg/L	5.9	5.7	5.9	6
7	COD	mg/L	168	139	142	112
8	Salinity	ppt	1.55	1.3	1.48	0.76
9	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected
10	Total Hardness as CaCO ₃	mg/L	172	162	175	139
11	Fluoride as F	mg/L	0.38	0.41	0.46	0.27
12	Chloride as Cl	mg/L	859	725	819	418
13	Zinc as Zn	mg/L	0.61	0.37	0.58	0.23
14	Cadmium as Cd	mg/L	Not Detected	Not Detected	Not Detected	Not Detected
15	Lead as Pb	mg/L	Not Detected	Not Detected	Not Detected	Not Detected
16	Mercury as Hg	mg/L	Not Detected	Not Detected	Not Detected	Not Detected

Detection Limit, Mercury as Hg: 0.00025 mg/L, Oil & Grease: 2.0 mg/L, Cadmium as Cd: 0.001 mg/L, Lead as Pb: 0.005 mg/L

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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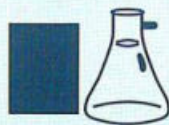
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4F. AMBIENT NOISE LEVEL MONITORING: -

Table-1.12: Ambient Noise Level Monitoring Results during the Day Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At Near Port Gate No.: 2

Sampling Location	1 - Near Port Gate No.: 2					
Longitude Latitude	N 21° 05.426'E 72°37.739'					
Date of Monitoring	01/04/2021	03/05/2021	03/06/2021	01/07/2021	02/08/2021	02/09/2021
6:00-7:00	71.6	70.8	53.9	52.8	68.4	67.4
7:00-8:00	60.8	60.4	63.1	66.0	65.1	60.8
8:00-9:00	68.2	67.9	61.0	61.1	52.9	66.1
9:00-10:00	65.7	64.7	62.3	62.2	51.3	64.3
10:00-11:00	69.1	68.3	58.4	59.8	52.0	50.0
11:00-12:00	71.1	70.5	52.8	53.1	66.0	59.9
12:00-13:00	58.7	58.5	69.3	67.4	65.7	66.6
13:00-14:00	64.8	64.2	65.6	66.6	57.3	67.9
14:00-15:00	61.9	61.5	57.2	57.2	63.1	66.7
15:00-16:00	57.7	57.5	55.6	54.3	61.0	56.6
16:00-17:00	55.3	55.2	63.7	63.8	58.3	48.5
17:00-18:00	63.9	63.9	64.9	64.6	65.2	53.3
18:00-19:00	53.2	53.1	64.8	65.7	65.6	58.5
19:00-20:00	62.6	61.8	65.2	67.1	58.1	66.8
20:00-21:00	69.4	69.3	67.0	66.8	52.3	59.6
21:00-22:00	67.7	66.8	59.0	58.3	57.1	62.0

#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

Table-1.13: Noise Level Monitoring Results during the Night Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At Near Port Gate No.: 2

Sampling Location	1 - Near Port Gate No.: 2					
Longitude Latitude	N 21° 05.426'E 72°37.739'					
Date of Monitoring	01/04/2021 & 02/04/2021	03/05/2021 & 04/05/2021	03/06/2021 & 04/06/2021	01/07/2021 & 02/07/2021	02/08/2021 & 03/08/2021	02/09/2021 & 03/09/2021
22:00-23:00	62.4	61.6	56.7	55.7	51.5	51.3
23:00-00:00	61.5	61.0	62.2	61.8	53.2	51.6
00:00-01:00	64.0	63.5	59.6	58.1	48.7	46.3
01:00-02:00	58.4	57.7	50.8	49.4	53.7	45.2
02:00-03:00	51.2	51.0	57.4	59.9	51.8	52.8
03:00-04:00	60.7	59.8	59.2	57.7	49.2	55.5
04:00-05:00	58.6	57.9	57.7	58.6	54.3	56.2
05:00-06:00	55.4	54.6	59.9	61.0	55.2	58.9

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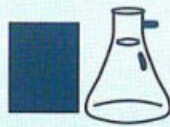


Table-1.14: Ambient Noise Level Monitoring Results during the Day Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At HSE Building Terrace

Sampling Location	2 - HSE Building Terrace					
Longitude Latitude	N 21° 05.043' E 72° 38.491'					
Date of Monitoring	08/04/2021	06/05/2021	10/06/2021	08/07/2021	09/08/2021	09/09/2021
6:00-7:00	57.4	56.7	58.9	60.2	70.2	58.6
7:00-8:00	61.5	61.3	57.9	57.1	68.7	62.2
8:00-9:00	69.6	69.2	60.5	61.4	66.1	62.7
9:00-10:00	58.3	57.9	54.3	52.9	66.3	66.0
10:00-11:00	67.4	66.5	56.4	55.5	57.7	67.8
11:00-12:00	67.8	66.9	58.1	60.0	63.5	70.6
12:00-13:00	65.4	64.5	59.8	61.3	59.7	65.8
13:00-14:00	55.9	55.1	66.9	66.4	66.9	65.9
14:00-15:00	67.3	66.6	64.3	64.3	55.2	62.9
15:00-16:00	63.7	63.4	66.2	68.6	68.9	59.1
16:00-17:00	70.8	70.4	60.2	61.5	57.9	59.3
17:00-18:00	54.9	54.8	62.1	60.1	62.4	60.0
18:00-19:00	56.5	55.7	57.8	56.0	57.6	64.4
19:00-20:00	55.2	54.9	68.7	71.6	59.8	62.1
20:00-21:00	63.4	62.5	56.1	57.3	61.9	56.2
21:00-22:00	63.8	63.6	53.4	53.8	56.1	68.9

#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

Table-1.15: Noise Level Monitoring Results during the Night Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At HSE Building Terrace

Sampling Location	2 - HSE Building Terrace					
Longitude Latitude	N 21° 05.043' E 72° 38.491'					
Date of Monitoring	08/04/2021 & 09/04/2021	06/05/2021 & 07/05/2021	10/06/2021 & 11/06/2021	08/07/2021 & 09/07/2021	09/08/2021 & 10/08/2021	09/09/2021 & 10/09/2021
22:00-23:00	60.0	59.1	59.1	60.0	54.0	56.9
23:00-00:00	66.5	65.9	55.3	52.8	53.6	55.9
00:00-01:00	54.7	54.4	54.5	54.2	51.0	52.6
01:00-02:00	61.8	61.2	61.5	62.5	50.6	50.2
02:00-03:00	59.9	59.0	64.6	63.7	52.2	48.3
03:00-04:00	58.1	57.6	55.0	54.1	51.9	57.0
04:00-05:00	65.8	65.7	57.5	57.2	52.1	55.6
05:00-06:00	60.8	60.7	60.0	58.2	54.2	54.8

#dB(A) Leq. Denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
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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Table-1.16: Ambient Noise Level Monitoring Results during the Day Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At Central Water Pump House

Sampling Location	3 - Central Water Pump House					
Longitude Latitude	N 21° 04.697' E 72° 38.420'					
Date of Monitoring	12/04/2021	10/05/2021	14/06/2021	12/07/2021	12/08/2021	13/09/2021
6:00-7:00	68.3	68.0	56.2	56.9	67.7	59.8
7:00-8:00	64.4	63.5	56.8	55.9	51.6	56.5
8:00-9:00	67.1	66.7	60.9	63.4	55.8	52.6
9:00-10:00	60.7	59.8	65.8	67.5	59.9	61.3
10:00-11:00	65.9	65.6	69.0	69.9	58.4	63.4
11:00-12:00	68.4	67.7	68.9	70.8	67.3	55.4
12:00-13:00	62.0	61.2	68.5	69.1	55.4	56.4
13:00-14:00	57.6	56.8	65.9	66.7	53.4	59.4
14:00-15:00	66.1	65.5	59.3	57.7	56.5	51.2
15:00-16:00	69.2	68.6	61.5	60.9	65.5	58.1
16:00-17:00	58.9	58.2	61.2	62.3	53.2	58.7
17:00-18:00	61.7	60.7	61.7	63.7	65.0	60.9
18:00-19:00	56.8	56.6	63.2	61.2	61.2	52.3
19:00-20:00	60.6	59.7	62.0	63.6	53.1	57.0
20:00-21:00	56.6	55.9	67.2	69.8	66.7	64.8
21:00-22:00	54.7	53.9	67.5	66.1	64.6	51.8

*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.

Table-1.17: Noise Level Monitoring Results during the Night Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At Central Water Pump House

Sampling Location	3 - Central Water Pump House					
Longitude Latitude	N 21° 04.697' E 72° 38.420'					
Date of Monitoring	12/04/2021 & 13/04/2021	10/05/2021 & 11/05/2021	14/06/2021 & 15/06/2021	12/07/2021 & 13/07/2021	12/08/2021 & 13/08/2021	13/09/2021 & 14/09/2021
22:00-23:00	58.5	58.1	56.5	57.3	53.5	59.2
23:00-00:00	62.5	61.8	60.5	58.8	56.3	55.2
00:00-01:00	62.2	61.9	58.9	58.3	60.7	61.4
01:00-02:00	57.6	56.9	57.6	57.4	58.7	63.5
02:00-03:00	60.1	59.3	60.1	62.4	63.1	58.4
03:00-04:00	53.8	53.4	53.8	54.3	54.9	60.8
04:00-05:00	56.1	56.0	56.1	58.9	62.7	57.8
05:00-06:00	59.2	58.2	56.6	57.1	56.9	63.2

*dB(A) Leq. Denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.
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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Table-1.18: Ambient Noise Level Monitoring Results during the Day Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At Container Terminal

Sampling Location	4 - Container Terminal					
Longitude Latitude	N 21° 05.187' E 72° 37.774'					
Date of Monitoring	05/04/2021	13/05/2021	07/06/2021	05/07/2021	06/08/2021	06/09/2021
6:00-7:00	63.5	63.1	65.7	65.8	65.3	67.5
7:00-8:00	60.3	59.3	55.4	58.2	56.9	62.6
8:00-9:00	65.3	65.2	52.5	51.7	62.5	54.6
9:00-10:00	59.9	59.0	60.8	59.6	51.8	54.4
10:00-11:00	58.0	57.8	59.5	61.8	61.8	70.2
11:00-12:00	61.1	61.0	56.5	54.8	50.3	66.5
12:00-13:00	66.7	65.8	53.5	52.7	55.3	66.9
13:00-14:00	68.9	68.1	60.6	60.3	51.1	54.5
14:00-15:00	68.5	68.2	66.6	68.4	51.7	54.1
15:00-16:00	57.2	57.0	66.1	67.8	49.5	55.8
16:00-17:00	54.6	53.7	66.5	64.5	53.7	61.0
17:00-18:00	58.1	57.4	56.6	57.0	63.6	57.6
18:00-19:00	66.2	66.2	65.3	66.5	50.8	69.1
19:00-20:00	62.5	61.9	55.2	56.2	50.1	55.3
20:00-21:00	54.0	53.4	66.4	68.3	64.1	65.7
21:00-22:00	56.4	56.3	55.5	54.5	53.0	68.2

*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.

Table-1.19: Noise Level Monitoring Results during the Night Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At Container Terminal

Sampling Location	4 - Container Terminal					
Longitude Latitude	N 21° 05.187' E 72° 37.774'					
Date of Monitoring	05/04/2021 & 06/04/2021	13/05/2021 & 14/05/2021	07/06/2021 & 08/06/2021	05/07/2021 & 06/07/2021	06/08/2021 & 07/08/2021	06/09/2021 & 07/09/2021
22:00-23:00	65.4	65.1	56.4	56.9	60.8	48.6
23:00-00:00	61.3	61.1	55.9	58.5	55.9	47.3
00:00-01:00	63.8	62.8	61.6	59.8	53.8	58.0
01:00-02:00	56.6	55.9	58.2	57.9	57.8	57.3
02:00-03:00	62.6	61.7	58.5	59.5	53.4	52.3
03:00-04:00	60.2	59.9	53.5	50.2	61.5	56.8
04:00-05:00	53.3	53.1	62.8	61.5	49.9	60.9
05:00-06:00	55.8	55.7	56.2	58.7	48.8	50.3

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

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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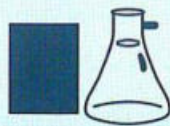


Table-1.20: Ambient Noise Level Monitoring Results during the Day Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At Hazira Village

Sampling Location	5 - Hazira Village					
Longitude Latitude	N 21° 05.44' E 72° 38.44'					
Date of Monitoring	15/04/2021	20/05/2021	17/06/2021	17/07/2021	16/08/2021	16/09/2021
6:00-7:00	58.6	58.1	57.5	58.4	62.1	60.3
7:00-8:00	64.0	63.8	63.6	62.0	63.4	58.9
8:00-9:00	54.3	53.6	51.6	50.2	57.2	62.5
9:00-10:00	59.8	59.5	52.1	50.8	63.3	70.0
10:00-11:00	62.4	61.7	63.9	63.5	64.0	63.9
11:00-12:00	59.1	58.3	60.3	60.4	59.2	59.0
12:00-13:00	52.2	51.3	53.7	52.4	56.3	70.1
13:00-14:00	56.7	56.5	55.1	55.7	58.8	64.9
14:00-15:00	63.6	63.2	55.0	55.0	62.8	63.2
15:00-16:00	51.5	51.2	54.9	54.7	63.9	68.1
16:00-17:00	56.3	56.1	51.3	51.6	60.1	71.5
17:00-18:00	54.8	54.3	57.0	55.6	58.9	63.1
18:00-19:00	65.2	64.3	58.8	61.7	57.8	67.6
19:00-20:00	65.6	65.1	63.0	63.1	58.0	65.1
20:00-21:00	61.8	61.4	61.3	63.9	61.6	62.4
21:00-22:00	66.8	66.1	63.5	62.4	56.7	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.

Table-1.21: Noise Level Monitoring Results during the Night Time in Leq. dB(A) for the period: April, 2021 to September, 2021 At Hazira Village

Sampling Location	5 - Hazira Village					
Longitude Latitude	N 21° 05.44' E 72° 38.44'					
Date of Monitoring	15/04/2021 & 16/04/2021	20/05/2021 & 21/05/2021	17/06/2021 & 18/06/2021	17/07/2021 & 18/07/2021	16/08/2021 & 17/08/2021	16/09/2021 & 17/09/2021
22:00-23:00	56.2	55.6	50.3	49.8	61.2	56.4
23:00-00:00	50.9	50.1	61.2	59.2	55.1	50.6
00:00-01:00	61.0	60.0	51.9	51.2	53.0	52.5
01:00-02:00	59.6	59.4	58.6	60.3	60.3	60.6
02:00-03:00	58.0	57.8	54.4	55.8	58.6	59.1
03:00-04:00	63.7	63.1	61.8	63.0	52.0	56.5
04:00-05:00	64.9	64.8	55.4	54.8	52.9	58.1
05:00-06:00	59.1	58.7	60.3	59.4	53.1	62.2

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

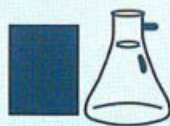
Note: The Noise Level of Hazira Village is compare with the Industrial area Norms as Hazira Village is Surround By Numbers of industries.

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4G. DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -

Table-1.22: DG Sets Stack Monitoring Results for the period: April, 2021 to September, 2021

Table-1.22 (a): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	DG SET TOYO DENKI -1		DG SET TOYO DENKI -2		DG SET TOYO DENKI -3	
			20/05/2021	30/08/2021	20/05/2021	30/08/2021	20/05/2021	30/08/2021
1	Particulate Matter	mg/Nm ³	22.6	24.3	20.3	22.59	28.49	23.4
2	Sulphur Dioxide	ppm	6.68	5.47	5.6	4.56	7.67	6.34
3	Oxide of Nitrogen	ppm	30.2	33.54	34.5	29.4	37.49	35.57
4	Carbon Monoxide (CO)	mg/m ³	21.86	17.18	19.63	16.8	14.94	19.42
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table-1.22 (b): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	SS-1 LT DG -320 KVA		SS3 -DG -200 KVA		LT Phase -1 (625 KVA)	
			20/05/2021	30/08/2021	25/05/2021	30/08/2021	25/05/2021	31/08/2021
1	Particulate Matter	mg/Nm ³	15.59	22.41	19.27	21.68	26.52	30.53
2	Sulphur Dioxide	ppm	5.07	6.28	6.13	6.06	8.06	7.27
3	Oxide of Nitrogen	ppm	37.21	35.43	31.54	35.61	37.59	34.56
4	Carbon Monoxide (CO)	mg/m ³	11.45	13.74	8.02	6.87	13.74	14.89
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table-1.22 (c): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	LT Phase -2 (750 KVA)		ER-1 (100 KVA)	
			25/05/2021	31/08/2021	25/05/2021	30/08/2021
1	Particulate Matter	mg/Nm ³	28.52	32.45	24.52	27.53
2	Sulphur Dioxide	ppm	7.05	6.91	5.23	6.3
3	Oxide of Nitrogen	ppm	39.52	38.32	33.41	36.37
4	Carbon Monoxide (CO)	mg/m ³	11.45	17.18	9.16	12.6
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected

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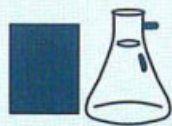


Table-1.22 (d): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	NDG Building (380 KVA)		Custom Building (320 KVA)	
			25/05/2021	31/08/2021	25/05/2021	30/08/2021
1	Particulate Matter	mg/Nm ³	21.57	17.52	17.61	19.54
2	Sulphur Dioxide	ppm	7.33	6.95	4.35	5.32
3	Oxide of Nitrogen	ppm	36.27	33.5	33.41	31.57
4	Carbon Monoxide (CO)	mg/m ³	10.31	9.16	13.74	11.45
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected

Table-1.23: DG Sets Noise Level Monitoring Results for the period: April, 2021 to September, 2021

Sr. No.	DG Set Average Noise Level In Leq. dB(A)		
	Sampling Location	At 1 M Distance From The Enclosure	
	Sampling Date	25 & 20/05/2021	30 & 31/08/2021
1.	DG SET TOYO DENKI - 1	65.6	67.5
2.	DG SET TOYO DENKI - 2	64.8	66.4
3.	DG SET TOYO DENKI -3	64.2	65.8
4.	SS-1 LT DG -320 KVA	66.4	64.2
5.	SS3 -DG -200 KVA	65.1	67.2
6.	LT PHASE -1 (625 KVA)	70.4	68.8
7.	LT PHASE -2 (750 KVA)	63.2	66.4
8.	ER-1 (100 KVA)	67.8	65.1
9.	NDG BUILDING (380 KVA)	65.6	62.3
10.	CUSTOM BUILDING (320 KVA)	64.2	62.8

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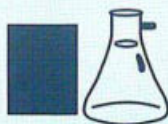
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4H. SEA SEDIMENT QUALITY MONITORING: -

Table-1.24: Sea Sediment Quality Results of CB2 South End towards Landside for the period: April, 2021 to September, 2021

S. NO.	PARAMETERS	UNIT	CB2 SOUTH END TOWARDS LANDSIDE FROM SEA BASIN (N 21° 5'1.92", E 72°37'56.58")					
			APR-21	MAY-21	JUN-21	JUL-21	AUG-21	SEP-21
1	Organic Matter	%	0.53	0.45	0.40	0.43	0.39	0.36
2	Phosphorus as P	µg/g	734	592	613	634	678	623
3	Texture	--	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt
4	Petroleum Hydrocarbon	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Heavy Metals							
5.1	Aluminum as Al	%	4.63	4.72	4.91	4.58	4.87	4.72
5.2	Total Chromium as Cr ⁺³	µg/g	127	135	128	117	138	117
5.3	Manganese as Mn	µg/g	615	582	613	572	654	620
5.4	Iron as Fe	%	4.70	4.63	4.86	4.64	4.73	4.58
5.5	Nickel as Ni	µg/g	41.30	32.90	42.70	38.00	38.49	29.13
5.6	Copper as Cu	µg/g	29.80	25.70	36.90	29.40	31.58	36.28
5.7	Zinc as Zn	µg/g	112	103	123	106	112	134
5.8	Lead as Pb	µg/g	3.18	2.91	2.76	1.93	2.37	2.29
5.9	Mercury as Hg	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms							
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	--	Polychaetes Gastropods Crustaceans	Polychaetes Gastropods Crustaceans	Polychaetes Gastropods Bivalves	Polychaetes Copepods Decapods	Polychaetes Bivalves Crustaceans	Polychaetes Gastropods Decapods
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Nematodes	Foraminifera ns	Nematodes	Foraminifera ns	Foraminifera ns	Nematodes
6.3	Population	No./m ²	324	293	263	294	294	234

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

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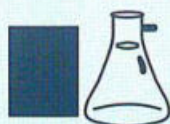


Table-1.25: Sea Sediment Quality Results of MP1 West End towards Channel of Sea Basin for the period: April, 2021 to September, 2021

S. NO.	PARAMETERS	UNIT	MP1 WEST END TOWARDS CHANNEL OF SEA BASIN (N 21° 5'9.78", E 72°37'24.48")					
			APR-21	MAY-21	JUN-21	JUL-21	AUG-21	SEP-21
1	Organic Matter	%	0.54	0.47	0.39	0.43	0.37	0.35
2	Phosphorus as P	µg/g	729	529	504	576	546	614
3	Texture	--	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt
4	Petroleum Hydrocarbon	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Heavy Metals							
5.1	Aluminum as Al	%	4.65	4.89	4.92	4.58	4.69	4.7
5.2	Total Chromium as Cr ⁺³	µg/g	139	102	134	113	124	108
5.3	Manganese as Mn	µg/g	658	593	608	568	708	659
5.4	Iron as Fe	%	4.52	4.76	4.83	4.69	4.86	4.62
5.5	Nickel as Ni	µg/g	43.60	35.90	45.20	37.80	27.93	23.80
5.6	Copper as Cu	µg/g	37.5	26.8	37.6	29.4	39.8	34.9
5.7	Zinc as Zn	µg/g	108	115	129	134	124	107
5.8	Lead as Pb	µg/g	2.70	3.46	2.83	2.56	2.39	2.18
5.9	Mercury as Hg	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms							
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	--	Polychaetes Crustaceans Ostracods Bivalves	Polychaetes Crustaceans Gastropods	Polychaetes Crustaceans Gastropods	Polychaetes Bivalves Amphipods	Polychaetes Bivalves Crustaceans	Decapods Polychaetes Gastropods
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Foraminifera ns	Nematodes	--	Foraminifera ns	Foraminifera ns	--
6.3	Population	No./m ²	382	294	235	264	234	263

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

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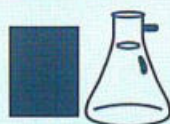


Table-1.26: Sea Sediment Quality Results of CB1 End towards Channel for the period: April, 2021 to September, 2021

S. NO.	PARAMETERS	UNIT	CB1 WEST END TOWARDS CHANNEL OF SEA BASIN (N 21° 5'14.67" , E 72°37'40.14")					
			APR-21	MAY-21	JUN-21	JUL-21	AUG-21	SEP-21
1	Organic Matter	%	0.56	0.48	0.38	0.41	0.37	0.34
2	Phosphorus as P	µg/g	613	561	610	569	629	579
3	Texture	--	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt
4	Petroleum Hydrocarbon	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Heavy Metals							
5.1	Aluminum as Al	%	4.79	4.82	4.90	4.68	4.73	4.68
5.2	Total Chromium as Cr ⁺³	µg/g	135	113	128	113	139	112
5.3	Manganese as Mn	µg/g	680	579	610	529	678	608
5.4	Iron as Fe	%	4.73	4.63	4.76	4.53	4.65	4.59
5.5	Nickel as Ni	µg/g	45.9	31.9	41.2	38.6	32.8	27.3
5.6	Copper as Cu	µg/g	27.6	22.4	35.8	29.4	37.5	32.94
5.7	Zinc as Zn	µg/g	120	108	119	107	118	105
5.8	Lead as Pb	µg/g	27.6	3.17	2.74	1.93	2.14	2.19
5.9	Mercury as Hg	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms							
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	--	Polychaetes Gastropods Amphipods	Polychaetes Crustaceans Gastropods	Polychaetes Gastropods Bivalves	Polychaetes Bivalves Crustaceans	Polychaetes Bivalves Copepods	Decapods Polychaetes Gastropods
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Foraminifera ns	Nematodes	--	Foraminifera ns	Foraminifera ns	--
6.3	Population	No./m ²	322	263	381	323	235	265

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

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● GPCB approved
schedule II auditor

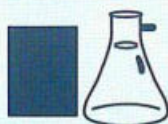
● ISO 14001

● ISO 45001

● ISO 9001

"Pollucon House", Plot No. 5 & 6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

**4I. SOIL QUALITY MONITROING: -****Table-1.27A: Soil Quality Testing Results for the period: April, 2021 to September, 2021**

SR. NO.	PARAMETERS	UNIT	NEAR PORT GATE NO. 2	
			29/06/2021	29/09/2021
1	Type	--	Sandy Loam	Sandy Loam
Grain Size Analysis				
2	Gravel	%	1.6	2.0
3	Coarse Sand	%	7.4	9.0
4	Medium Sand	%	27	25
5	Fine Sand	%	39	41
6	Total Sand	%	75	77
7	Silt + Clay	%	25	23
8	pH (1:5)	--	8.63	8.52
9	Electricity Conductivity	µmho/cm	1648	1701
10	Alkali matter	mg/kg	590	542
11	Cation Exchange Capacity	meq/100 gm	15.24	13.90
12	Sodium Absorption Ratio	--	10.39	10.25
13	Organic Matter	mg/kg	0.58	0.52
14	Available Nitrogen	meq/100 gm	0.69	0.45
15	Available Potassium	mg/kg	6.42	6.90
16	Available Phosphorus	mg/kg	0.86	0.62
17	Available Sodium	mg/kg	7.42	10.80
18	Permeability	cm/sec	1.56×10^{-7}	1.45×10^{-7}

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

Authorized Signatory

● FSSAI Approved Lab

● Recognised by MoEF, New Delhi Under
Sec. 12 of Environmental (Protection) Act-1986● GPCB approved
schedule II auditor

● ISO 14001

● ISO 45001

● ISO 9001

"Pollucon House", Plot No. 5 & 6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
Navjivan Circle,Udhana Magdalla Road, Surat-395007, Gujarat, India.

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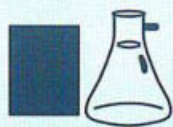


Table-1.27B: Soil Quality Testing Results for the period: April, 2021 to September, 2021

SR. NO.	PARAMETERS	UNIT	NEAR LT CANTEEN PARKING	
			29/06/2021	29/09/2021
1	Type	--	Sandy Loam	Sandy Loam
Grain Size Analysis				
2	Gravel	%	2.3	2.8
3	Coarse Sand	%	7.7	7.2
4	Medium Sand	%	18	21
5	Fine Sand	%	45	40
6	Total Sand	%	73	71
7	Silt + Clay	%	27	29
8	pH (1:5)	--	8.86	8.75
9	Electricity Conductivity	µmho/cm	2014	1984
10	Alkali matter	mg/kg	512	496
11	Cation Exchange Capacity	meq/100 gm	11.28	11.10
12	Sodium Absorption Ratio	--	10.56	10.30
13	Organic Matter	mg/kg	0.47	0.40
14	Available Nitrogen	meq/100 gm	0.68	0.48
15	Available Potassium	mg/kg	6.42	7.20
16	Available Phosphorus	mg/kg	0.57	0.45
17	Available Sodium	mg/kg	6.93	10.40
18	Permeability	cm/sec	1.15×10^{-7}	1.10×10^{-7}

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

Authorized Signatory

● FSSAI Approved Lab

● Recognised by MoEF, New Delhi Under
Sec. 12 of Environmental (Protection) Act-1986

● GPCB approved
schedule II auditor

● ISO 14001

● ISO 45001

● ISO 9001

"Pollucon House", Plot No. 5 & 6, Opp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart,
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Phone : 0261-2635750, 0261-2635751, 0261-2635775, 07016605174, WEB: www.polluconlab.com, E. mail: pollucon@gmail.com, info@polluconlab.com

	Adani Hazira Port Limited	From: April 2021 to September 2021
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ANNEXURE-5

Photographs of Air Pollution Control Measures and Green Belt Area



**Covered Coal Conveyor
Belt**



Wind Brake Shield At Coal Yard Area



Dust Suppression System (DSS)

Mist Canon System To Arrest Dust: -



**Water Sprinkling at Coal
Discharge Chute**



**Water Sprinkling at
Coal Yard Area**



Regular Water Sprinkling On Coal Heaps



Cargo Covered With Tarpaulin



Dumper Covered With Tarpaulin

Road Sweeping

Green Belt Area



	Adani Hazira Port Limited	From: April 2021 to September 2021
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ANNEXURE-6

DETAILS OF ENVIRONMENTAL MANAGEMENT CELL



Adani Hazira Port Limited

From: April 2021 to
September 2021

PRANAV CHOUDHARY
CEO - AHPPL

RUPESH JAMBUDI
Head - HSEF
(DIS & Diploma In Civil)

Yagnesh Dalal
Senior Manager -HSEF
(OHS&F)
(B.Sc, PDIS, NEBOSH)

Nandan Kumar
Dy. Manager - HSE (Environment)
(M.Sc Environmental Science)

JAYDIPSINH GOHIL
In charge - Safety (LT, &
Occupational Health)
Associate Manager
(DIS, B.Sc.)

CHETAN PATEL
In charge - Safety (ES, CT, CFS)
Deputy Manager
(PGDIS & B.Sc.)

DUSHYANT JAVIYA
In charge - Fire
Deputy Manager
(Dip. In Fire & Safety, BA)

STP & ETP- Supervisor

STP & ETP - Operators & Helpers
(08Nos.)

Prateek Smart
Ast. Manager
In Charge- Safety -DC
(Dip -EHS, M.Sc)

Kinjal Patel
Shift Officer-Saf. & Fire
Officer
(B.Sc- Fire & Safety.)

M. JAVID A.PATHAN
Shift Officer-Saf. & Fire
Sr. Officer
(PGDIS, B.Sc.)

YOGENDRA SOLANKI
Officer - Fire (LT)
Sr. Officer
(SFO, BA)

ANSHUMAN
SHARMA
Sr. Officer
(B.E. - Fire & Safety)

Shift Fire
Officers
04Nos.

Fire Crew
56Nos.

HSE - Marshals



Adani Hazira Port Limited

**From: April 2021 to
September 2021**

Annexure 7

**Details of Environment Budget & Expenditure for the Compliance Period
(April 2021 to September 2021)**

Environment Budget & Expenditure of FY 2021-22

Sr No	Activities	Budget for FY 2021-22	Expenditure
		(In Lacs INR)	(In Lacs INR)
1	Environmental Study/Audit/Survey/Consultancy Services	50	14.7
2	Legal and Statutory Charges	15	12
3	Environmental Monitoring Services	22	6.05
4	Hazardous Waste Management	33	3.8
5	Horticulture Development – Greenery and Plantation	160	65.04
6	O&M of Sewage Treatment Plant and Effluent Treatment Plant	18	8.55
7	Disposal of Bio medical Waste	1.8	0.81
8	Water Sprinkling for dust suppression	250	109.04
9	Miscellaneous Environmental Initiatives and Salary of Environmental Professionals	20	9.5
10	ISO 14001:2015 (EMS) audit, certification, and internal audit training	2	1.2
Total		571.80	230.69

Expenditure of last three Years

Year	Budget	Expenditure (In Lacs INR)
2018-19	270.69	1344.71
2019-20	363.80	326.76
2020-21	479.63	418.11

	Adani Hazira Port Limited	From: April 2021 to September 2021
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ANNEXURE-8

Copy of renewed PESO Licence

प्ररूप XV
(प्रथम अनुसूची का अनुच्छेद 6 देखिए)
FORM XV
(see Article 6 of the First Schedule)

अधिष्ठापनों में पेट्रोलियम के आयात और भंडारकरण के लिए अनुज्ञप्ति
LICENCE TO IMPORT AND STORE PETROLEUM IN AN INSTALLATION

अनुज्ञप्ति सं. (Licence No.) : **P/HQ/GJ/15/5294(P270337)**

फीस रूपए (Fee Rs.) **50000/-** per year

M/s. Adani Hazira Ports Pvt Ltd , At & Post Hazira, Taluka: Choriyasi, District: SURAT, State: Gujarat, PIN: 394270 को केवल इसमें यथा विनिर्दिष्ट वर्ग और मात्राओं में पेट्रोलियम **379900.00 KL** आयात करने के लिए और उसका, नीचे वर्णित और अनुमोदित नक्शा संख्या **P/HQ/GJ/15/5294(P270337)** तारीख **11/11/2020** जो कि इससे उपाबद्ध है, में दिखाए गए स्थान पर भण्डारकरण के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अधीन बनाए गए नियमों तथा इस अनुज्ञप्ति की अतिरिक्त शर्तों के अधीन रहते हुए, यह अनुज्ञप्ति अनुदत्त की जाती है।

Licence is hereby granted to **M/s. Adani Hazira Ports Pvt Ltd , At & Post Hazira, Taluka: Choriyasi, District: SURAT, State: Gujarat, PIN: 394270** valid only for the importation and storage of **379900.00 KL** Petroleum of the class and quantities as herein specified and storage thereof in the place described below and shown on the approved plan No **P/HQ/GJ/15/5294(P270337)** dated **11/11/2020** attached hereto subject to the provisions of the Petroleum Act, 1934 and the rule made thereunder and to the further conditions of this Licence.

यह अनुज्ञप्ति 31st day of December **2025** तक प्रवृत्त रहेगी।

The Licence shall remain in force till the 31st day of December **2025**

पेट्रोलियम का विवरण /Description of Petroleum	अनुज्ञप्त मात्रा (किलोलीटरों में) /Quantity licenced in KL
वर्ग क प्रपुंज पेट्रोलियम /Petroleum Class A in bulk	379900.00 KL
वर्ग क प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम /Petroleum Class B in bulk	NIL
वर्ग ख प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम /Petroleum Class C in bulk	NIL
वर्ग ग प्रपुंज पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk	NIL
कुल क्षमता /Total Capacity	379900.00 KL

October 31, 2013

Chief Controller of Explosives

- 1). Amendment dated - 14/11/2013
- 2). Amendment dated - 24/01/2014
- 3). Amendment dated - 03/07/2014
- 4). Amendment dated - 16/09/2014
- 5). Amendment dated - 02/11/2015
- 6). Amendment dated - 11/12/2015

अनुज्ञप्त परिसरों का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुज्ञप्त परिसर जिसकी विन्यास सीमाएं अन्य विशिष्टां संलग्न अनुमोदित नक्शों में दिखाई गई हैं **Plot No: -, Hazira Port, Hazira, Taluka: Choriyasi, District: SURAT, State: Gujarat, PIN: 394270** स्थान पर अवस्थित है तथा उसमें निम्नलिखित **108 Above Ground tank(s) for CLASS A**, सम्मिलित हैं।

The licensed premises, the layout , boundaries and other particulars of which are shown in the attached approved plan are situated at **Plot No: -, Hazira Port, Hazira, Taluka: Choriyasi, District: SURAT, State: Gujarat, PIN: 394270** and consists of **108 Above Ground tank(s) for CLASS A** , together with connected facilities.

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

	Adani Hazira Port Limited	From: April 2021 to September 2021
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Annexure 9

Copy of Form V Environment Ststatement of FY 2020-2021

o/c

adani

Ports and
Logistics

AHPPL/GPCB/2021-22/05

Date: 24.06.2021

GPCB ID: 35352

To

The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector-10A,
Gandhinagar-382 010 (Gujarat)

Dear Sir,

Sub.: Environmental Statement in Form-V for the financial year 2020-21 of M/s. Adani Hazira Port Pvt. Ltd.

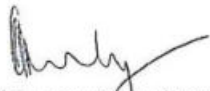
Ref.: I. Consolidated consent and authorization (CC&A) vide consent order no. AWH-87176 dated 17.07.2017
II. Amended CC&A granted vide Order No.: AW-104319, Ref. No.: GPCB/CCA-SRT-1314(8)/ID_35352/528583 dated 02.12.2019.
III. CCA order No: H- I 11966, Dated-16/04/2021

With reference to the above subject and reference, please find enclosed herewith **Environmental Statement in Form-V** prescribed under Rule, 14 of the Environment (Protection) Rules, 1986 for M/s. Adani Hazira Port Pvt. Ltd., At & PO: Hazira, Taluka: Choryashi, District: Surat (Gujarat) for the financial year ending **31st March'2021**.

This is for your kind reference and record please.

Thanking You,

Yours faithfully,
For Adani Hazira Port Ltd.



(Pranav Choudhary)
Authorized Signatory



Encl.: - Environmental Statement in Form-V for the Financial Year: 2020-21.

✓ **Cc to:** - The Regional Officer, Gujarat Pollution Control Board, 338, Belgium Square, Opp. Linear Bus Stand, Ring Road, Surat-364 002 (Gujarat)

Adani Hazira Port Ltd
At & PO Hazira
Choryashi
Surat 394 270
Gujarat, India
CIN: U45209GJ2009PTC058789

Tel +91 261 220 7780
Fax +91 261 220 7777
info@adani.com
www.adaniports.com



**Ports and
Logistics**

AHPPL/GPCB/2021-22/05

Date: 24.06.2021

GPCB ID: 35352

To

The Member Secretary,
Gujarat Pollution Control Board,
Paryavaran Bhavan, Sector-10A,
Gandhinagar-382 010 (Gujarat)

Dear Sir,

Sub.: Environmental Statement in Form-V for the financial year 2020-21 of **M/s. Adani Hazira Port Pvt. Ltd.**

Ref.: I. Consolidated consent and authorization (CC&A) vide consent order no. AWH-87176 dated 17.07.2017
II. Amended CC&A granted vide Order No.: AW-104319, Ref. No.: GPCB/CCA-SRT-1314(8)/ID_35352/528583 dated 02.12.2019.
III. CCA order No: H- I 11966, Dated-16/04/2021

With reference to the above subject and reference, please find enclosed herewith **Environmental Statement in Form-V** prescribed under Rule, 14 of the Environment (Protection) Rules, 1986 for **M/s. Adani Hazira Port Pvt. Ltd., At & PO: Hazira, Taluka: Choryashi, District: Surat (Gujarat)** for the financial year ending **31st March'2021**.

This is for your kind reference and record please.

Thanking You,

Yours faithfully,
For **Adani Hazira Port Ltd.**

(Pranav Choudhary)
Authorized Signatory

Encl.: - Environmental Statement in Form-V for the Financial Year: 2020-21.

Cc to: - The Regional Officer, Gujarat Pollution Control Board, 338, Belgium Square, Opp. Linear Bus Stand, Ring Road, Surat-364 002 (Gujarat)

Adani Hazira Port Ltd
At & PO Hazira
Choryashi
Surat 394 270
Gujarat, India
CIN: U45209GJ2009PTC058789

Tel +91 261 220 7780
Fax +91 261 220 7777
info@adani.com
www.adaniports.com

Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.

FORM - V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March, 2021

PART - A

(i)	Name and address of the Owner/ Occupier of the Industry Operation or Process	:	Pranav Choudhary, Chief Executive Officer, M/s. Adani Hazira Port Ltd., At & Post: Hazira, Taluka: Choryashi, District: Surat (Gujarat)
(ii)	Industry Category Primary (STC Code) Secondary (STC Code)	:	Red - Large Not Applicable Not Applicable
(iii)	Production Capacity	:	57.7 MMTPA (Total Cargo Handling Capacity)
(iv)	Year of Establishment	:	2010
(v)	Date of Last Environment Statement Submitted	:	02 nd June 2020

PART - B

Water and Raw Material Consumption

(i) Water Consumption:

Water Consumption Cu. Mtr./Day	
Process	Approx. 1742.751 m ³ /day in Firefighting, Dust Suppression, Sprinkling Washing Activities and horticulture etc.
Cooling	
Domestic	Approx. 231.67 m ³ /day in Domestic Purpose

Name of Products	Process Water Consumption Per Unit Of Product Output	
	During the Previous Financial Year	During the Current Financial Year
Handling and Storage of General Dry Cargo, Liquid Cargo and Containers*	Total Water Consumption during the FY: 2019-20 is 593025 m ³ in the Dust Suppression, Fire Fighting, Cooling, LT - Washing Activities, Horticulture and Domestic purpose etc.	Total Water Consumption during the FY: 2020-21 is 720665.52 m ³ in the Dust Suppression, Fire Fighting, Cooling, LT - Washing Activities, Horticulture and Domestic purpose etc.

Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.

	Water consumption is 0.025 m ³	Water consumption is 0.032 m ³
--	---	---

- * The Unit does not carry out any manufacturing process. The water consumed was mainly in Firefighting, Dust Suppression, Water Sprinkling, Washing Activities and Horticulture & Domestic Purpose etc.

(ii) Raw Material Consumption:

Name of Raw Material	Name of Products	Consumption of Raw Material per Unit of output	
		During the previous Financial Year	During the current Financial Year
Not Applicable	Not Applicable	Not Applicable	Not Applicable

- * Unit does not carry out any manufacturing process.

PART - C

Pollutants discharged to Environment/Unit of Output
(Parameters as specified in consent issued)

Pollutants	Quantity of pollutants discharged (Mass/day)	Concentrations of pollutants in discharges (Mass/Volume)	Percentage of variation from prescribed standards with reasons
(a) Water	Nil*		
(b) Air	<ul style="list-style-type: none"> DG sets are provided as standby power source and used during power failure. The height of DG stacks as per CPCB/GPCB standards. All the monitored parameters are found within prescribed limits. 		
Particulate Matter (mg/Nm ³)	DG set emission report is enclosed as Annexure-1.		Nil
Sulphur Dioxide (ppm)			Nil
Nitrogen Oxide (ppm)			Nil

Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.

- * The Unit does not carry out any manufacturing process, as it is a service industry i.e. Port engaged in Handling and Storage of General Dry Cargo, Liquid Cargo and Containers. The source of effluent/ waste water generation is washing activities of liquid tanks, pipelines and floor washing during any spillage and/or leakage of liquid cargo and other domestic activities. During the Financial Year: 2020-21. There is no discharge of treated effluent / water discharged to the environment. All the treated Effluents and Sewage are utilized in horticulture purpose.

There was approx. 66.2 KL/Day Sewage Generation. The sewage was treated in the Sewage Treatment Plants (STP's) and treated water conforming to prescribe standards was reused in gardening and plantation activities. There was approx. 78.5 KL/Day of Effluents generation and all of the generated effluents were treated in Effluents Treatment Plant and utilized in Horticulture Purpose.

PART - D

Hazardous Wastes

(as specified under Hazardous waste (Management and Handling) Rules, 2016

Hazardous Wastes	Total Quantity (Kg. or KL)	
	During the Previous Financial Year	During the Current Financial Year
a) From Process	<p>Quantity of Hazardous Waste generated is given below:</p> <p>Cat.-3.3: Approx. 1100 Kg. of Used Oil Filters.</p> <p>Cat.-5.1: Approx. 59670 Kg. of Used/Spent Oil/Bilge.</p> <p>Cat.-5.2: Approx. 78100 Kg. of Oily Contaminated Cotton & Foam Pigs.</p> <p>Cat.-21.1: Approx. 5967 Kg. of Empty Paint Drums/ Tins.</p> <p>Cat.-3.2: Approx. 60600 Kg. of cargo residue containing chemicals.</p>	<p>Quantity of Hazardous Waste generated is given below:</p> <p>Cat.-3.2: Approx. 101860 Kg. of cargo residue containing chemicals.</p> <p>Cat.-3.3: Approx. 1840 Kg. of Used Oil Filters.</p> <p>Cat.-5.1: Approx. 44800 Kg. of Used/Spent Oil/Bilge.</p> <p>Cat.-5.2: Approx. 38770 Kg. of Oily Contaminated Foam Pigs.</p> <p>Cat.-21.1: Approx. 8970 Kg. of Empty Paint Drums/ Tins.</p> <p>Category 33.2: Approx. 10260 Kg of oily Cotton rags</p> <p>Category 35.1: Approx. 5000 Kg of gas cleaning</p>

Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.

		residues CMS
b) From Pollution Control facilities	Nil	Nil

PART - E
Solid Waste

Solid Waste	Total Quantity (MT/Annum)	
	During the Previous Financial Year	During the Current Financial Year
(a) From Process (Ash)	Nil	
(b) From Pollution Control facilities	Nil	
(C-1) Quantity recycled or reutilized within the unit	10.314 MT (Kitchen & Food Waste was Converted in to Manure through Organic Waste Converter)	7.59 MT (Kitchen & Food Waste was Converted in to Manure through Organic Waste Converter)
(C-2) Sold		
(C-3) Disposed	Approx. 118.815 MT (Garbage Wastes)	Approx. 182.139 MT (Garbage Wastes)

Note: Scrap is collected in designated scrap yard at Central Store and sold to scrap vendor.

PART - F

Please specify the characterization (in terms of Composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes:

- Total hazardous waste disposed off during the financial year: 2020-21 is approx. 211.50 MT. Out of which 157.7 MT of Incinerable hazardous waste was disposed off through GPCB authorized CHWIF M/s Saurashtra Enviro Projects Pvt Ltd Kutch. Approx. 53.77 MT of recyclable hazardous waste are sent to GPCB registered recyclers.
- Approx. 44.80 MT Used/Spent Oil/Bilge Water were generated (including opening were sold out to GPCB registered recycler/refiner at M/s. Unity Petroleum Co., Ahmedabad. The Waste Oils were stored in barrels in hazardous waste storage shed.

Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.

- Approx. 8.97 MT - Empty Paint Drums/Tins were sold out to GPCB registered recycler/refiner at M/s. Jawrawala Petroleum , Ahmedabad and M/s Shahara Enterprises Ahmedabad.
- Oily Cotton rags were generated from various maintenance and operational activities, which were kept in covered hazardous waste storage area. 10.2 MT of oily cotton rags Wastes were disposed off through GPCB authorized CHWIF Saurashtra Enviro Projects Pvt Ltd Kutch and 38.770 MT of Oil contaminated Foam pigs was disposed off through GPCB authorized CHWIF Saurashtra Enviro Projects Pvt Ltd Kutch.
- Used Oil filters of 1.840 MT was disposed off through GPCB authorized CHWIF Saurashtra Enviro Projects Pvt Ltd Kutch
- Cargo residue containing chemicals of 101.86 MT was disposed off through GPCB authorized CHWIF Saurashtra Enviro Projects Pvt Ltd Kutch

PART - G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production: -

- Unit has installed **Sewage Treatment Plants and Effluent Treatment Plant (ETP)** for treatment of the Sewage water and Effluent being generated at site. The treated water is being reused within port premises.
- Unit has installed **Organic Waste Converter (OWC)** to convert the organic wastes into organic manure i.e.: Kitchen/Food Waste and Horticultural Waste being generated at site. The manure is being reused within port premises.
- M/s. AHPL has developed mangrove afforestation on an area 200 hectares i.e.: 20 hectares near Village: Kantiyajal, Sea coast area and 180 hectares near Village: Nada-Devla, District: Bharuch (Gujarat).
- M/s. AHPPL has developed a Bio-Shield Pilot Project on an area of 18 hectares at near Village: Tankari Bandar, Taluka: Jambusar, District: Bharuch (Gujarat).
- The Unit has been used recycled water i.e. treated sewage of KRIBHCO for industrial used which caters more than 85% of total water consumption.
- The Unit has installed Photo voltaic Solar Panel of 3.5 MW and reduced its grid Power consumption and 2 MW of Wind mills at Rojmal near Rajkot for renewal energy generation.
- During the financial year: 2020-21, the total cost incurred on environmental protection measures is enclosed as **Annexure-2**.

Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.

PART - H

Additional measures /investment/ proposal for environmental protection including abatement of pollution, prevention of pollution.

- Unit is carrying out regular environmental monitoring within the Port and surrounding area through reputed MoEF&CC and NABL accredited laboratory. All the environmental parameters are found well within specified limits and the details of monitored data is regularly submitting to GPCB, CPCB, MoEF&CC and other concerned authorities.
- Unit has installed STP's and ETP for the treatment of the domestic waste water and effluent being generated at site and the treated water is being used for horticulture (plantation & gardening) purpose. Unit has also provided dump pond and conveyance channel for collection of runoff generated from Coal Yard.
- Unit has provided sprinklers at coal yard & conveyer system and carrying out regular water spreading to control the dust exposure. Wind breaking wall is provided around the periphery of Coal Yard.
- Unit has a dedicated horticulture department & developing green belt within port premises.
- Unit uses mist canon to suppress the fugitive coal dust at coal yard.
- Unit has deployed four road sweeping machines to control the fugitive dust emissions.
- Unit has installed wind break shield around coal yard and Rock Phosphate Yard to suppress dust emission.
- Unit has developed greenbelt area of 78.90 hectare till March, 2021.

PART - I

Any other particulars for improving the quality of environment:

- Environmental awareness programs have been conducted during the year for employees, contractual employees, school children and local community of nearby villages.

Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.

- Integrated housekeeping management is undertaken on top priority to maintain neat and clean working environment in the port premises.
- World Environment Day, International Biodiversity day and other important environment related days are being celebrated to raise awareness among employees, associates and contractor's workmen, The participants of these days were motivated by providing prizes and certificates.
- The Port has initiated " Single Use Plastic Free Port" initiative and Confederation of Indian Industry has been engaged for certifying the protocol and implementation of the same.
- The Port is ISO 14001:2015 certified for Environment Management System , ISO 19001:2015 for Quality Management System, ISO 45001: 2018 for Occupational Health and Safety Management System and ISO 50001: 2018 for Energy Management System.
- 200 ha of Mangrove plantation and 18 ha of Bioshield development carried out in Jambusar district and these are being maintained and monitored through NGO and SHG.

Date: 23.06.2021



(Authorised Signatory)

Name: **Pranav Choudhary**

Designation: **Chief Executive Officer (CEO)**

Address: **At & Post: Hazira, Taluka: Choryashi,
District: Surat (Gujarat)**



Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.

ANNEXURE-1

DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -

**Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.**



4G. DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -

Table-1.22: DG Sets Stack Monitoring Results for the period: October, 2020 to March, 2021

Table-1.22 (a): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	DG SET TOYO DENKI -1		DG SET TOYO DENKI -2		DG SET TOYO DENKI -3	
			26/11/2020	15/02/2021	26/11/2020	15/02/2021	26/11/2020	15/02/2021
1	Particulate Matter	mg/Nm ³	26.62	28.44	28.61	26.41	32.43	24.62
2	Sulphur Dioxide	ppm	6.23	5.79	7.68	4.9	8.57	6.45
3	Oxide of Nitrogen	ppm	30.56	27.39	33.63	30.41	36.43	33.53
4	Carbon Monoxide (CO)	mg/m ³	14.31	14.94	21.93	22.9	18.23	18.61
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table-1.22 (b): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	SS-1 LT DG -320 KVA		SS3 -DG -200 KVA		LT Phase -1 (625 KVA)	
			26/11/2020	15/02/2021	27/11/2020	16/02/2021	27/11/2020	16/02/2021
1	Particulate Matter	mg/Nm ³	19.67	17.53	17.58	15.52	14.5	18.62
2	Sulphur Dioxide	ppm	5.02	4.2	6.99	4.52	6.39	7.27
3	Oxide of Nitrogen	ppm	35.63	33.48	30.56	28.66	33.5	34.54
4	Carbon Monoxide (CO)	mg/m ³	18.32	13.74	9.16	6.87	14.89	12.6
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table-1.22 (c): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	LT Phase -2 (750 KVA)		ER-1 (100 KVA)	
			27/11/2020	16/02/2021	27/11/2020	16/02/2021
1	Particulate Matter	mg/Nm ³	24.55	26.57	19.52	21.58
2	Sulphur Dioxide	ppm	7.4	8.82	5.45	6.87
3	Oxide of Nitrogen	ppm	38.69	36.5	31.57	35.39
4	Carbon Monoxide (CO)	mg/m ³	19.47	9.16	10.31	14.89
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected

Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 ● ISO 45001 ● ISO 9001

"Pollucon House", Plot No. 5 & 6, Cpp.Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart, Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

**Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.**



POLLUCON LABORATORIES PVT. LTD.

Table-1.22 (d): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	NDG Building (380 KVA)		Custom Building (320 KVA)	
			27/11/2020	16/02/2021	27/11/2020	16/02/2021
1	Particulate Matter	mg/Nm ³	21.38	23.41	15.64	21.59
2	Sulphur Dioxide	ppm	5.98	6.84	4.46	5.48
3	Oxide of Nitrogen	ppm	38.56	35.57	32.57	30.56
4	Carbon Monoxide (CO)	mg/m ³	11.45	8.02	16.03	11.45
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected

Table-1.23: DG Sets Noise Level Monitoring Results for the period: October, 2020 to March, 2021

Sr. No.	DG Set Average Noise Level In Leq. dB(A)		
	Sampling Location	At 1 M Distance From The Enclosure	
		26 & 27/11/2020	15 & 16/02/2021
1.	DG SET TOYO DENKI - 1	68.8	67.2
2.	DG SET TOYO DENKI - 2	67.1	68.9
3.	DG SET TOYO DENKI - 3	69.2	70.2
4.	SS-1 LT DG -320 KVA	64.2	63.5
5.	SS3 -DG -200 KVA	70.6	69.5
6.	LT PHASE -1 (625 KVA)	65.9	64.8
7.	LT PHASE -2 (750 KVA)	67.7	66.2
8.	ER-1 (100 KVA)	65.6	64.9
9.	NDG BUILDING (380 KVA)	68.4	65.8
10.	CUSTOM BUILDING (320 KVA)	68.8	67.2

Authorized Signatory

● PSSAI Approved Lab

● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental Protection Act-1986

● GPCB approved schedule II auditor

● ISO 14001

● ISO 45001

● ISO 9001

"Pollucon House", Plot No. 5 & 6, Opp. Balaji Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Farsan Mart, Navjivan Circle, Udhana Magdalla Road, Surat-395007, Gujarat, India.

Note: DG sets are provided as standby power source and used during power failure.

Environment Statement In (Form-V) For The FY: 2020-21 Of
M/s. Adani Hazira Port Ltd.

ANNEXURE - II

Details of Environment Management Budget For The Financial Year 2019-20: -

Environment Budget & Expenditure of FY 2020-21

Sr No	Activities	Budget	Expenditure
		(In Lacs)	(In Lacs)
1	Environmental Study/Audit/Survey/Consultancy Services	58.51	58.51
2	Legal and Statutory Charges	11	10.25
3	Environmental Monitoring Services	15	11.93
4	Hazardous Waste Management	19	17.34
5	Horticulture Development –Greenery and Plantation	143.12	139
6	O&M of Sewage Treatment Plant and Effluent Treatment Plant	20	19.19
7	Treatment & Disposal of Bio medical Waste	2	1.78
8	Water Sprinkling for dust suppression	190	127
9	Miscellaneous Environmental Initiatives and Salary of Environmental Professionals	20	32.11
10	ISO 14001:2015 (EMS) audit, certification, and internal audit training	1.0	1.0
	Total	479.63	418.11

Expenditure of last three Years

Year	Budget	Expenditure
2018-19	270.69	1344.71
2019-20	363.80	326.76
2020-21	479.63	418.11

	Adani Hazira Port Limited	From: April 2021 to September 2021
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Annexure 10

**Details of Liquid/Wastes Collection & Disposed off from Vessels by GPCB Approved
Third Party During compliance period from April 2021 to September 2021**

	Adani Hazira Port Limited	From: April 2021 to September 2021
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**Details of Liquid/Wastes Collection & Disposed off from Vessels by GPCB Approved Third Party
During period April 2021 to September 2021**

Detail of Wastes Collection & Disposed Off From Vessels				
SR No.	Date	Vessel Name	Party Name	Quantity (CBM)
1	15.06.2021	MV.PORTITISSA	CHITARAKUT TRADING AND IND.	4.5 CBM
2	31.07.2021	MT.PACIFIC BLUE	CHITARAKUT TRADING AND IND.	2.2 CBM
3	03.08.2021	MT.GS FUTURE	HARISH A. PANDYA	5.54 CBM
4	13.08.2021	CLARKE QUAY	HARISH A. PANDYA	4 CBM
5	16.08.2021	MT.BOW CHAIN	HARISH A. PANDYA	3 CBM
6	24.08.2021	CAPE SUPPLIER	HARISH A. PANDYA	2 CBM
7	15.09.2021	MV.CYMONA GLORY	HARISH A. PANDYA	3.55
8	17.09.2021	MV.SCARLET LADY	HARISH A. PANDYA	16.13
9	24.09.2021	MV.GCL MAHANADI	HARISH A. PANDYA	3 CBM
10	28.09.2021	TUG AB 3000	HARISH A. PANDYA	0.01 CBM
11	01.10.2021	MT HAKUBA GALAXY	HARISH A. PANDYA	1.2 CBM
12	13.10.2021	TUG COASTAL COMMANDOR	HARISH A. PANDYA	1.056 CBM
13	14.10.2021	MV.CEYLON PRINCESS	HARISH A. PANDYA	4.9 CBM
14	21.10.2021	MT.MARITIME POLARIS	HARISH A. PANDYA	3 CBM