

Submission of Six monthly Environment & CRZ clearance Compliance Report April 2020 to September 2020, Adani Hazira Port Private Limited -EOM

Nandan Kumar <nandan.kumar@adani.com>

Wed 11/25/2020 3:54 PM

To: 'rowz.bpl-mef@nic.in' <rowz.bpl-mef@nic.in>; ecompliance-guj@gov.in <ecompliance-guj@gov.in>
Cc: 'mefcc.ia3@gmail.com' <mefcc.ia3@gmail.com>; 'monitoring-ec@nic.in' <monitoring-ec@nic.in>; 'chairman-gpcb@gujarat.gov.in' <chairman-gpcb@gujarat.gov.in>; 'westzonecpcb@yahoo.com' <westzonecpcb@yahoo.com>; 'brnaidu.cpcb@nic.in' <brnaidu.cpcb@nic.in>; 'ro-gpcb-sura@gujarat.gov.in' <ro-gpcb-sura@gujarat.gov.in>; Shalin Shah <Shalinm.Shah@adani.com>; Rupesh Jambudi <Rupesh.Jambudi@adani.com>; Harsh Yadav <Harsh.Yadav@adani.com>; Devendra Banthia <Devendra.Banthia@adani.com>; Dilip Kumar Moolchandani <Dilip.Moolchandani@adani.com>

1 attachments (5 MB)

AHPL EC compliance Report Apr-Oct 2020.pdf.pdf;

Dear Sir,

This has reference to submission of **Six Monthly Environment & CRZ Clearances Compliance Report** for **Adani Hazira Port Limited (Earlier Known as Adani Hazira Port Pvt Ltd)**. Please find attached herewith point wise compliance status report of conditions stipulated in the following referred letters for the period of **April 2020 to September 2020**;

Reference:

- 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.

This is for information and record please.

With regards,

Nandan Kumar

Dy. Manager – HSE (Environment) | Adani Hazira Port Ltd

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Growth
with
Goodness


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(Handwritten signature)
26-11-20
एकीकृत क्षेत्रीय कार्यालय
Integrated Regional Office
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय,
Ministry of Environment, Forest & Climate Change,
भारत सरकार, भोपाल/Govt. of India, Bhopal.


LIST OF APPENDIXES

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LIST OF ANNEXURES

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3	Compliance Status Of Environmental Management Plan As Per Integrated EIA Report – September, 2012.
4.	Environmental Monitoring / Analysis Results For The Period From April 2020 to September 2020
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12	Copy of letter submitted to RO (WZ) MoEF&CC regarding disruption of Environmental Monitoring
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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**


BY

M/S. ADANI HAZIRA PORT PVT. LTD.


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- 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 Pvt. Ltd.: -

S. No.	Stipulated Conditions	Compliance Status																		
6.	Specific Conditions																			
i.	"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>Complied,</p> <p>AHPPL has obtained Consent to Establish (NOC) from Gujarat Pollution Control Board on 05.10.2012 and same was submitted on 16.05.2012 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>	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.	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	<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 key points raised during PH were: -</p>																		

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S. No.	Stipulated Conditions	Compliance Status
	Regional Office, MOEF along with the six monthly reports.	<p>1) Preference to be given to the local people for employment and transport & other contracts. M/s. AHPPL is giving preference to the locals for contracts, such as M/s. Hazira Vikas Samiti has been engaged for providing transport facilities for employees. M/s. AHPPL also giving preference for skilled local candidates for employment as per suitable requirements. As on 30th September 2020 total 208 out of 244 on roll employees are from Gujarat.</p> <p>2) Villagers were anxious about their displacement due to port development. M/s. AHPPL is developing port on approx. 873.27 hectares which is uninhabited 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-2</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>Shoreline change study was conducted by 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 nearby shoreline except for the approved layout of the AHPPL. The report did not warrant any mitigation measures.</p> <p>There are no marine construction activities on shore after Dec, 2016.</p>

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S. No.	Stipulated Conditions	Compliance Status
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.	Complied. <ul style="list-style-type: none"> • Till date no oil spill has occurred. • Oil Spill Contingency Plan has been prepared and the same was approved / vetted by Indian Coast Guard (Letter No.: 7563, dated 09.01.2014). • The same has been implemented at site in order to properly collect and dispose oil spills (if any).
vi.	The detailed plan with budgetary provisions for the CSR shall be submitted to the ministry.	Complied. <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 status of the CSR activities carried out during April 2020 to September 2020 is enclosed as <u>Annexure-3</u>.
vii.	All the recommendation of the EMP and DMP shall be complied within letter and spirit.	Complied. <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-5</u>. • AHPPL 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 last Six Monthly Compliance Report (Oct 2019-March 2020) on 25.05.2020 • AHPPL 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 on: <u>14.09.2020</u> • Last Update of ERP & DMP : <u>30.05.2020</u> • Copy of the Schematic of ERP & DMP communication flow is submitted along with the six monthly compliance report dated <u>19.05.2017</u>.
viii.	Periodical monitoring of the sea water quality at the outlet shall be carried out to check the discharge is meeting	Complied. <ul style="list-style-type: none"> • AHPPL is not discharging any effluent into the sea.




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	the standard and not causing any impact to marine life.	<ul style="list-style-type: none">There are no standards prescribed for the sea water quality. Only trends can be observed to ensure that quality of sea water is not changing significantly.Marine water quality is being monitored through M/s. Pollucon Laboratories, Surat (a MoEF&CC recognized and NABL accredited laboratory).Monitoring of sea water quality at three locations is being done on monthly basis. Copy of the Sea Water Quality Monitoring /Analysis Reports for the period April, 2020 to September 2020 is enclosed as Annexure-4D. The monitoring was disrupted during COVID 19 Lock down from 23.03.2020 to 14.05.2020. A letter regarding disruption of Environment Monitoring has been submitted to RO(WZ), MoEFCC on 13th April and attached herewith as Annexure 12.From the monitoring report it is evident that there is no significant change in the sea water quality which could have impact on the marine life.
ix.	Transport of cargo shall in closed system and dust control viz. water sprinkler, along conveyor and transfer points shall be provided.	<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">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 arresting sprinklers are installed on Coal Discharge Chute4. 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 dry cargo from port to hinterland is being done through dumpers / trucks covered with tarpaulin,9. Regular cleaning the roads through Road Sweeping Machines, and10. Company has set up dedicated greenbelt area for plantation at periphery / avenue plantation / landscaping etc. Total

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S. No.	Stipulated Conditions	Compliance Status
		greenbelt area developed so far is approx. 77.44 ha within the port premises.
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"> 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.
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"> Project execution is being done without any disturbance to fishing activities. 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.
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 AHPPL is regularly working with fishermen to understand their needs and provide required support as per of CSR activities.
xiii.	The project proponent shall set up separate Environment Management Cell for effective implementation of the stipulated environmental safe guards under the supervision of a Senior Executive.	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

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S. No.	Stipulated Conditions	Compliance Status
		<p>effective implementation of the environmental safeguards.</p> <ul style="list-style-type: none"> Environment Management Cell Organogram is enclosed as <u>Annexure-5</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.	<p>Complied.</p> <ul style="list-style-type: none"> Separate budget has been allocated to the HSE Department. Allocated budget for the environment and horticultural heads in FY: 2020-21 is INR 474.60 Lakhs but total expenditure regarding environment management is about INR 196.75 Lakhs in last six months of FY 2020-21 Detail of the environment budget and expenditure for the six months of FY: 2020-21 is enclosed as <u>Annexure-6</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.	<p>Complied.</p> <ul style="list-style-type: none"> Digging activities are involved in the piling, construction of building and other ancillary facilities. Proper care is being given 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 2020 to September 2020 is enclosed as <u>Annexure-4B, 4C, 4D</u> for ground, surface and marine water quality, respectively.
ii.	Full support shall be extended to the officers of this Ministry /Regional Office at Bhopal by the project proponent during inspection of the project for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigation measures and other environmental protection activities.	<p>Being Complied</p> <ul style="list-style-type: none"> AHPPL 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.

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S. No.	Stipulated Conditions	Compliance Status
		<ul style="list-style-type: none"> Last report was submitted through e mail on 25.05.2020 and received acknowledgement on 26.05.2020 Whenever any authorities such as MoEF&CC, GPCB and GMB etc. visit the port, full support is extended and AHPPL provides all additional information seek by them during the inspection. Last visit by representative of MoEF & CC - RO, Bhopal was on 24th Oct, 2018 . GPCB Visit details Last visit by representative of GPCB RO Surat was on 21.05.2020.
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 Six monthly monitoring reports are regularly submitted to the RO - MoEF & CC, Bhopal and other authorities along with Six Monthly Compliance Report of Environment & CRZ Clearance. Please refer the Annexure-4 for the monitoring report from April 2020 to September 2020.
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 with additional conditions stipulated or modification in the existing ones by MoEF & CC, if any.
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 with the directions of the MoEF & CC, if any.
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.	As per the business requirement RO-RO berth is being developed, after the detailed engineering the location of RO- RO berth is proposed to be changed from the approved location to inside the berth pocket to within the port area, there will be no change in the approved cargo handling or in pollution load due to the change in location of RO-RO berth.

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S. No.	Stipulated Conditions	Compliance Status
		<p>As per EIA Notification 2006 and Amendment vide S.O 3518 (E) dated 23rd November 2016. A letter has been submitted to The Director, Ministry of Environment, Forest & Climate Change Indira Paryavaran Bhawan, Jorbagh Road, New Delhi – 110003 and copy to The Member Secretary, Gujarat Pollution Control Board, Parvayaran Bhawan, Sector-10A, Gandhinagar-382010 (Gujarat). The copy of acknowledgement along with copy of the letter is attached herewith as Annexure 11.</p> <p>At present out of 12 berths 6 are constructed and in operation along with back up storage yard in addition to Ro-Ro berth.</p>
vii.	The project proponents shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of Land Development Work.	<p>Closed.</p> <p>Financial Closure date was 29th September, 2011. Approval from GMB to commence work was obtained on 09th 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.</p>
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.	<p>Closed.</p> <p>Copy of the clearance letter was sent to the concerned Panchayat and local NGO.</p> <p>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.</p>
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 M/s. AHPPL.




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S. No.	Stipulated Conditions	Compliance Status
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. AHPPL 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 vide Policy No.: 3133201064763105000 valid up to 31st March, 2021. Attached as Annexure 9.
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 respective competent authorities.	Complied. All applicable clearances from respective authorities have been obtained i.e.: - <ol style="list-style-type: none"> PESO License from Chief Controller of Explosive, Nagpur vides Order No.: P/HQ/GJ/15/5294 (P270337), Renewed on 04.01.2019 valid till 31.12.2020. Copy of the PESO License is attached herewith as Annexure 7 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 last Six monthly EC compliance Report AHPPL/MoEFF&CC 2019-20/001 dated 27.11.2019 Civil Aviation: Not Applicable, Wildlife Conservation: Not Applicable.
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	Closed. <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).

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S. No.	Stipulated Conditions	Compliance Status
	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.	<ul style="list-style-type: none"> Copy of the advertisement is submitted to MoEF & CC along with the six monthly compliance report dated 27th November, 2013 and The same is submitted to Regional Office (Western Zone), MoEF&CC, Bhopal on 05-10-2020 in reply of the Letter-F.NO-6-11-2013(Env)/629 dated-03-09-2020. The Acknowledgement copy is attached herewith as Annexure 13
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 available 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 Section 16 of the National Green Tribunal Act, 2010.	Noted.
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	Complied. 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


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	Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB.	http://www.adaniports.com/ports-downloads and submitted to: <ol style="list-style-type: none"> 1. RO - MoEF & CC, Bhopal, 2. MoEF & CC, New Delhi, 3. DoEF, Gandhinagar, 4. Zonal Office - CPCB, Vadodara, 5. HO - GPCB, Gandhinagar, and 6. RO - GPCB, Surat. <ul style="list-style-type: none"> • Last report was submitted through e mail on 25.05.2020 to and received acknowledgement on 26.05.2020
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 also be sent to the respective Regional Offices of MoEF by e-mail.	Complied. <ul style="list-style-type: none"> • The Environment Statement in Form-V for the Financial Year: 2019-20 is attached as Annexure 11 & also uploaded on company website at http://www.adaniports.com/ports-downloads.

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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 Pvt. Limited: -

S. No.	Conditions	Compliance Status
A.	Specific Condition	
1.	The provision of CRZ Notification 2011 shall be strictly adhered by M/s. AHPPL. 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 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.
2.1	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.	Noted. Only permissible activities being carried out in CRZ area.
2.2	Also for other hazardous chemicals, outside CRZ Areas, the AHPPL shall consult SDMA for Disaster Management Plan.	Complied. Disaster Management Plan has been prepared prior to the commissioning of multi cargo port. <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. Last Mock Drill (On Site) was on : 14.09.2020 Last Update of ERP & DMP : 30.05.2020 Last submission to Directorate Industrial Safety & Health (DISH) on 01.06.2020
3.	All necessary permissions from different Government Departments / agencies shall be obtained by M/s.	Complied.

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S. No.	Conditions	Compliance Status
	AHPPL before commencing the activities.	<p>All the statutory permissions from the concerned statutory authorities are obtained i.e.: -</p> <ol style="list-style-type: none"> 1. Environment and CRZ Clearance from MoEF & CC, GOI vide order No.: F.No.:11-150/2010-IA-III dated 03.05.2013. 2. PESO License from Chief Controller of Explosive, Nagpur vide order No.: P/HQ/GJ/15/5294 (P270337) renewed and valid till 31.12.2020. 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
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>All activities are being carried out as per Environment and CRZ clearance accorded.</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 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>No disposal has been done till date. All the dredging material is being utilized for level</p>

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S. No.	Conditions	Compliance Status
		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.
7.	All the recommendations and suggestions given by M/s. NIO and Cholamandalam MS Risk Services Ltd, Chennai in their EIA reports for conservation / protection and betterment of environment shall be implemented strictly by M/s. AHPPL.	Complied. 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 area. 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 debris removed from construction site immediately after completion of the construction work.
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. No labour camps are located in Coastal Regulation Zone area. Labours are managed through contractors and they are from surrounding villages and have been provided residential facilities in the surrounding villages.



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S. No.	Conditions	Compliance Status
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 same to this department after having it vetted through Indian Coast Guard.	Complied. <ul style="list-style-type: none">Oil Spill Contingency Plan has been prepared and the same was approved/ vetted by Indian Coast Guard (Letter No.: 7563, dated 09.01.2014).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.Regular mock drill to ensure the compliance and preparedness is being done. Last Mock Drill (On Site) was on :14.09.2020 Last Update of ERP & DMP: 30.05.2020 Last submission to Directorate Industrial Safety & Health (DISH) on 01.06.2020
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.	Complied. Jetty approach is supported by piles allowing adequate flow of water.
15.	The ground water shall not be tapped within the CRZ areas by the AHPPL to meet with the water requirements in any case.	Being Complied Ground water is not being used for any purpose in the Port. The drinking water requirement is being met through 2000KL of treated waste water from M/s. KRIBHCO which is used for industrial purposes and domestic water requirement is met through tanker.
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	Being Complied Company has set up dedicated green belt area for plantation at periphery / avenue plantation / landscaping etc. Total greenbelt area

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S. No.	Conditions	Compliance Status
	this purpose has to be submitted to the Forests and Environment Department.	developed so far is approx. 77.44 ha within the port premises.
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 images and GPS readings with Latitudes and Longitudes.	<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: Jambusar, District: Bharuch (Gujarat) developed by M/s. 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 and the present photographs attached as <u>Annexure 10.</u></p>
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 - GoI and this Department.	<p>Being Complied</p> <ul style="list-style-type: none"> Communication has been initiated with PCCF, Forest Dept., GoG vide our letter 29th May, 2012 and District Forest Officer, Surat Forest Range vide our letter dated 05th May, 2014. AHPPL 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.	<p>Being 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.</p> <p>Appropriate financial contribution is being made. Schemes promoted by District Authorities and Forest & Environment Department, GoG are also included. Please refer the <u>Annexure-2</u> for the status of the CSR activities planned and carried out during the six months of Financial Year: 2020-21.</p>



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S. No.	Conditions	Compliance Status
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 head shall also be furnished along with the compliance report.	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. Please refer the Annexure-6 for details of budget and Expenditure for Environment Management for the last six months of 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 last six months of 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-5 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. AHPPL to this Department as well as MoEF, Gol.	Complied. <ul style="list-style-type: none"> Regular Environmental Monitoring/ Analysis are being carried out through 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. AHPPL 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 through e mail on 25.05.2020


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S. No.	Conditions	Compliance Status
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. AHPPL.	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
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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 30th Sept 2020
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</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 	<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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		<p>compensation/afforestation.</p> <p>Please clarify what arrangements have been made by company if calamities like Tsunami, Earthquake or Flood arise after implementation of the proposed project.</p>	<p>conveyed through rail transport only 40% will come on the national highway. That is a moderate load.</p>	
2.	<p>Dharmendra bhai Bhikhubhai Patel,</p> <p>Ex-deputy Sarpanch, Hazira</p>	<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>	<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 	<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. AHPPL 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

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		<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 objection to the project in this public hearing.</p>	<p>so that there is no dust emitted on the road. As you know practically all our transporters are from this area. It is 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.</p>	<p>with.</p> <p>All the trucks carrying coal and other dusty cargo are being covered through tarpaulin. AHPPL also ensures that no truck goes out of the port with overload.</p>
3	<p>Bhagubhai Maniram Patel, Sarpanch, Junagam</p>	<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</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</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>




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		<p>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 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>	<p>rehabilitation of any village. Moreover, we will take care that your property. Your assets and convenience are not jeopardized by our action.</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 	<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. AHPPL is operating the port in compliance with all rules and regulations. Complied. <p>AHPPL security system is in compliance with ISPS. ISPS Statement Number is:</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</p>		

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		<p>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 area, they have to pay royalty for the same. But why companies are given permission for dredging without royalty? What about approximately 2500 fishermen?</p>	<p>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 activities. Coast guards contribute to this effort. In a sense the entire nation is collectively fighting against terrorism.</p>	<p>MMD/KDL/SO C/014 and validity 10/02/2021.</p> <p>AHPPL has access control system in place to avoid unauthorized entry of men and material.</p>
5	<p>Babubhai Aahir (Sarpanch, Suvali)</p>	<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>	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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>Oil Spill Contingency Plan has been prepared and the same was approved/ vetted by</p>

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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 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 pition 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>	<p>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> <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 	<p>Indian Coast Guard (Letter No.: 7563, dated 09.01.2014).</p> <p>In addition, AHPPL has developed and implemented ER & DMP. Regular mock drill to ensure the compliance and preparedness is being done.</p> <p>Last Mock Drill (On Site) was on: 14.09.2020</p> <p>Last Update of ERP & DMP: 30.05.2020 Last submission to Directorate Industrial Safety & Health (DISH) on 01.06.2020</p>
7	Jayeshbhai Patel,	I raise my objections against proposed expansion project of AHPPL for which public hearing		



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	<p>Resident of Dihen village and President, Gujarat State Farmers Samaj</p>	<p>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 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</p>	<p>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> <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. 	<ul style="list-style-type: none"> • Closed. <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. Schemes promoted by District Authorities and Forest & Environment Department, GoG are also included.</p>
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		<p>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> <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</p>	<ul style="list-style-type: none"> • 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>Please refer the <u>Annexure-2</u> for the status of the CSR activities carried out during last six months of the Financial Year: 2020-21.</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. AHPPL is monitoring the Ground Water Quality at one location on monthly basis. Results show 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>Please refer the <u>Annexure-4B</u> for the Environmental Monitoring /</p>
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	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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		<p>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>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 "Dihen village" which is approximately 18 Km away</i></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 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 	<p>Analysis Reports for the period April 2020 to September 2020</p> <ul style="list-style-type: none"> • 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. Please refer the Annexure-2 for the status of the CSR activities carried out during the last six months of Financial Year: 2020-21.</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>AHPPL has always given</p>
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Adani Hazira Port Private Limited

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		<i>from the port site)</i>		
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 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>	<p>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> <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 major points being over collector concluded the public hearing.)</i></p>	<p>employment priority to local qualified persons and in future the same will be continued. As on 30th September 2020 total 208 out of 244 On roll employees are from Gujarat.</p>
9	Kamlaben Rohitbhai Patel,	I welcome the expansion project of Adani company. Due to proposed port priority would be		




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	<p>Choryasi Taluka Panchayat, Leader of opposition party</p>	<p>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, 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 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</p>		

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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		<p>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>		

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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ANNEXURE-2:

DETAILS OF BUDGET EXPENDITURE THE CSR ACTIVITIES CARRIED OUT DURING

Budget Expenditure 2020-21			
S No	Programs /Project	Budget (In lacs INR)	Expenditure during April to September 2020 (In lacs INR)
1	Education	16.18	8.21
2	Sustainable Livelihood Development	64.95	22.32
3	Community Health	16.65	1.52
4	Community Infrastructure Development	45.98	4.71
5	Project Utthan	23.50	35.10
		255.13	79.15

ADANI HAZIRA PORT PRIVATE LIMITED**Details of Corporate Social Responsibility (CSR) activities
(April 2020 to September 2020)**

Corporate Social Responsibility plays an important as well as significant role in the nation building process, Adani Foundation's social and developmental initiatives are a step in the same direction. At Adani Foundation, we believe that companies must wholeheartedly participate in CSR activities and play an effective role in inclusive growth of the society.

Our main objective is to bring about a positive change in people's lives, whom we impact. We are one of the few global companies in the world who started their CSR initiatives and working at grass root level.

Adani Foundation is working as a CSR wing of Adani Group and it is conducting activities in the four major thrust areas; these are Education, Health, Sustainable Livelihood and Community Infrastructure Development.

At Adani Foundation, the CSR approach is strategic in nature and our CSR approach is embedded in our business processes across the entire value chain of the company.

The objective of CSR is to improve 'Quality of Life' of the community in a Sustainable way based on pro-development inclusive model of growth. For assessing Community needs for a realistic and sustainable development a socio-economic survey of the community of the area has been conducted. Based on the survey results, the need assessments has been carried out then our CSR interventions in the particular area have been decided and accordingly taken up by adopting a partnership mode with government agencies, community based organizations and the local community. Sustainability of the intervention and its impact are being measured through regular third party audits.

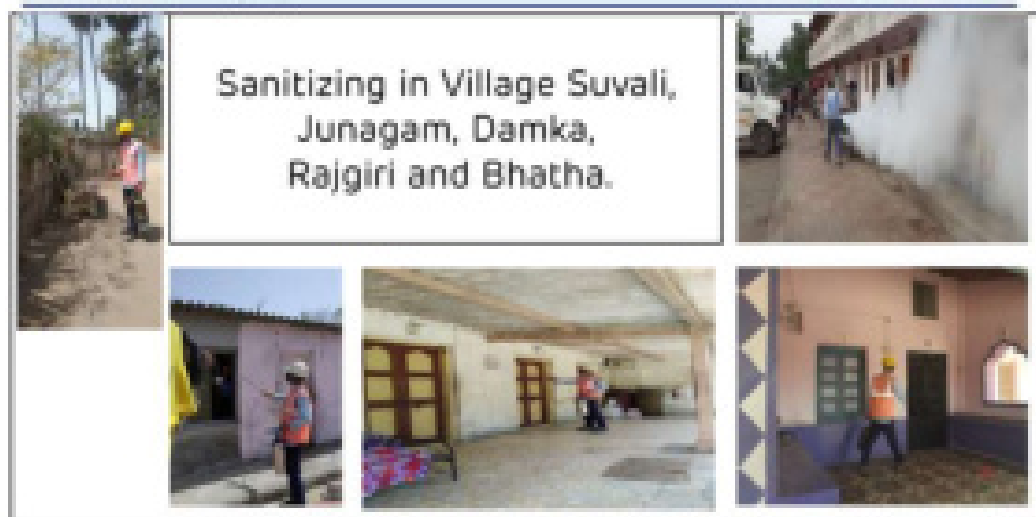
Adani Foundation is working in all aspects of community development which is needful for core villages nearby port area. This philanthropy thought stand on four following pillars:

-  Education
-  Community Health
-  Sustainable Livelihood development
-  Community infrastructure development

A. Glimpse of CSR Activities of the Month April 2020

Health/ Work for COVID-19

- ✚ Sanitization of villages Suvali, Junagam, Damka, Rajgiri and Bhatha
- ✚ AHPPL Contributed Grocery, Edible Oil & Vegetables in Community Kitchen run by MLA Choryashi Smt. Zankhanaben Patel
- ✚ Financial Support to member of Parliament Sh. C R Patil for distribution of 5000 rice kits to marginal family
- ✚ Provided transportation facilities to Govt. Authorities for food packets supply.
- ✚ Distribution of 400 grocery kits to marginalized household identified by local community leaders with the help of police department. **(Rice-2kg,cooking oil-1 ltr Dal-2 kg, Haldi, dhaniya, mirchi 100 gm, Salt 1 kg Potato and onion 1 kg Parle G-1 Paket)** in Hazira, Rajgir & Junagam village of Hazira kantha area.



Education:

NAVCHETAN ViDYALAYA (A school operated by Adani Foundation for the community nearby Hazira area).

- ✚ School has provided links of free E-contents software/application from E-Sense (TopScorer) & IDEAL Experimental Learning Pvt. Ltd. to all the students of our primary wing, 70 to 80% students have downloaded it and are using it for learning the content of the class where they will be in next academic year.
- ✚ Weekly exercises provided by Dy. Primary Education Officer, Surat and Daily activities from GCERT, Gandhinagar are also send regularly to all the students

and they are exercising it in notebooks (Which the students have to submit at the time of school reopens) and Approx. 85% students are doing activities regularly.

- ✚ Above curricular activities the students are involved in drawing and making aware about Corona crisis.



A girl student of the school has Cleared PSE Examination.



- In February 2020 Education department of Government of Gujarat has arranged a Scholarship Examination for primary school students of Gujarat State.
- 7 students of class-VI of Navchetan Vidyalaya, Junagam have appeared in said examination named Primary Scholarship Examination (PSE).
- A girl student, Isha Satishbhai Patel has cleared and got position in merit and has got scholarship of Rs. 750/- from Gujarat government and 5000/- Rs. from Taluka Panchayat Office.

Certificate course of nCOVID-19

Navchetan Vidyalaya, Primary wing

- Apollo MedSkills has launched a free certificate course on nCOVID-19 on their e-learning portal. and has requested to share the link to all.
- The course named "nCOVID-19 AWARENESS and PREVENTION" The main objective of the said course is to enhance knowledge and help in prevention of nCOVID-19
- 13 teacher and 3 non teaching staff including peon have completed the course and got online certificate.



Media coverage and Visibility



અદાણી ફાઉન્ડેશન હજીરા ને કોરોના મહામારી મેં સહાય મદદ કે હાથ



અદાણી ફાઉન્ડેશન હજીરા ને કોરોના મહામારી મેં સહાય મદદ કે હાથ



અદાણી ફાઉન્ડેશન હજીરા ને કોરોના મહામારી મેં સહાય મદદ કે હાથ

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હજીરા કાંઠાના ગામડાઓને સેનિટાઇઝ કરવાની કામગીરી

અદાણી ફાઉન્ડેશન દ્વારા જરૂરિયાતમંદ લોકોને રાશનકીટનું વિતરણ

હજીરા કાંઠાના ગામડાઓને સેનિટાઇઝ કરવાની કામગીરી હાથ પરવામાં આવી છે. હજીરા, જુનાગઢ, સુપાલી, કામડા, હાજીપીરી, બ્રહ્મા વિદેને જેવા ગામોમાં અદાણી ફાઉન્ડેશનની સીમી દેખીત દેહાથ જવારે અનુક્રમિક રીતે સરકારીઓની દેખરેખમાં સેનિટાઇઝેશનની કામગીરી પૂરતીકામ કરવામાં આવી રહી છે.

સેનિટાઇઝેશન કરવાની કામગીરી હાથ પરવામાં આવી છે. હજીરા, જુનાગઢ, સુપાલી, કામડા, હાજીપીરી, બ્રહ્મા વિદેને જેવા ગામોમાં અદાણી ફાઉન્ડેશનની સીમી દેખીત દેહાથ જવારે અનુક્રમિક રીતે સરકારીઓની દેખરેખમાં સેનિટાઇઝેશનની કામગીરી પૂરતીકામ કરવામાં આવી રહી છે.

કોરોનાના કદેર સામેની લડાઈમાં અદાણી ફાઉન્ડેશન-હજીરા દ્વારા હજીરા પંચકમાં વિવિધ કામગીરી



કાંઠા વિસ્તારના ગામોમાં સેનિટાઇઝેશનની કામગીરી

હજીરા કાંઠાના ગામડાઓને સેનિટાઇઝ કરવાની કામગીરી

અદાણી ફાઉન્ડેશન દ્વારા જરૂરિયાતમંદ લોકોને રાશનકીટનું વિતરણ

હજીરા કાંઠાના ગામડાઓને સેનિટાઇઝ કરવાની કામગીરી હાથ પરવામાં આવી છે. હજીરા, જુનાગઢ, સુપાલી, કામડા, હાજીપીરી, બ્રહ્મા વિદેને જેવા ગામોમાં અદાણી ફાઉન્ડેશનની સીમી દેખીત દેહાથ જવારે અનુક્રમિક રીતે સરકારીઓની દેખરેખમાં સેનિટાઇઝેશનની કામગીરી પૂરતીકામ કરવામાં આવી રહી છે.

સેનિટાઇઝેશન કરવાની કામગીરી હાથ પરવામાં આવી છે. હજીરા, જુનાગઢ, સુપાલી, કામડા, હાજીપીરી, બ્રહ્મા વિદેને જેવા ગામોમાં અદાણી ફાઉન્ડેશનની સીમી દેખીત દેહાથ જવારે અનુક્રમિક રીતે સરકારીઓની દેખરેખમાં સેનિટાઇઝેશનની કામગીરી પૂરતીકામ કરવામાં આવી રહી છે.

સેનિટાઇઝેશન કરવાની કામગીરી હાથ પરવામાં આવી છે. હજીરા, જુનાગઢ, સુપાલી, કામડા, હાજીપીરી, બ્રહ્મા વિદેને જેવા ગામોમાં અદાણી ફાઉન્ડેશનની સીમી દેખીત દેહાથ જવારે અનુક્રમિક રીતે સરકારીઓની દેખરેખમાં સેનિટાઇઝેશનની કામગીરી પૂરતીકામ કરવામાં આવી રહી છે.

B. Glimpse of CSR Activities of the Month May 2020

I. Health Initiatives (Work for COVID-19)

- ✚ Tapping an opportunity, Adani Foundation have collaborated with Unnat Bharat Abhiyan team trained SHG members on mask preparing Skills through GLPC support to generate income during this tough time. A good number of women associated with Self help group initiated Stitching of face mask as their income generation activity. With a total of 27 Self Help Group members from Bhatlai, Junagam and Rajgari Village of Surat have stitched a total of 13400 face mask and earned an amount of Rs 4/mask for stitching.
- ✚ They were able to generate an income of Rs53,600 within 10 days period
- ✚ This initiative has boosted confidence amongst the group members.



II. Sustainable Livelihood initiatives

Activities under Kamdhenu project (Enhance profitable livelihood perspective among beneficiaries), in Barbodhan & Junagam

- ✚ 39 new Cattle were treated by Artificial insemination during month of May 2020 (21 cow and 18 Buffalo) at Barbodhan and Junagam CBC.
- ✚ After undergoing PD it was found that 104 animals were pregnant. (36 cow and 68 Buffalo)
- ✚ 36 New calf born during this month (Buffalo 28 (male 15, Female 13) (cow 08, (male 03, Female 05)

C. Glimpse of CSR Activities of the Month June 2020

I. Education, Navchetan Vidyalaya, Primary wing

A Offline Seminar on, 'Professional Etiquette' and webinar on, 'Ignite your inner fuel'.

- ✚ Professional etiquette is an unwritten code of conduct regarding the interactions among the members in an institution.
- ✚ Ms. Hiral Pandya, Manager - Training, ASDC has conducted a seminar on Professional Etiquette on 23/06/2020 at 9.15 am to 10.45 at multipurpose hall of Navchetan Vidyalaya, Junagam.
- ✚ All teachers of NVPW and Utthan Sahayaks have attended the seminar.
- ✚ AHPPL, Hazira has organize a webinar for the staff members of Hazira port on the topic, 'Ignite your inner fuel, (A spa hour for the heart and mind)' on 16/06/2020 from 11.30 to 13.00.
- ✚ 15 teachers of Adani foundation sponsored NVPW and 10 Utthan sahayaks took benefit of the webinar.
- ✚ CRC, Mora has also joined the teachers in webinar and he was impressed to see the teacher enhancing activities which we are doing.
- ✚ All teachers and Utthan sahayaks were impressed by the content delivered by expert and requested to arrange more such types of webinars for them



JNV Coaching Classes:

- ✚ Jawahar Navodaya Vidyalaya is residential schools run by central board of secondary education by ministry of Human resources, New Delhi where the quality education is totally free for the students in each and every district of India.
- ✚ There was not any representation of student in Jawahar Navodaya Vidyalaya (JNV), Surat from Hazira coastal area. Though the potential students are

living in area, because of lack of awareness about JNV, students were not trying to appear in it's entrance examination.

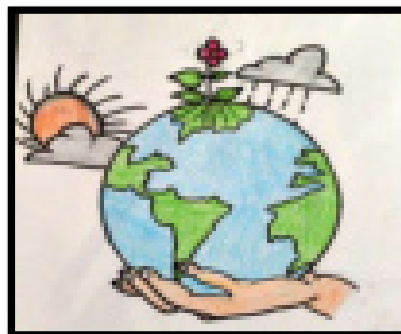
- ✚ Thus AF has took challenge, to start coaching for JNV entrance examination. On 26/08/2019, AF has started coaching classes for preparation of JNV entrance examination at Government Primary School of Mora with 39 students of class V, from surrounded government primary schools. AF has provided study material to students and appointed teachers,
- ✚ On 11/01/2020, the Entrance examination was conducted, 36 students of the class have appeared, Among them 01 student **Miss. Drushti Bharatbhai Parmar**, student of our coaching class has cleared the examination and selected.
- ✚ She comes from a very poor and marginalize family. Her father Mr. Bharatbhai Parmar is partially paralyzed and unable to earn for family. Mother of Drushti Mrs. Bhartiben Parmar works as a Asha worker to earn money for this family. Drushti is eldest among 3 sisters of family. The family members are very happy for selection of Drushti in JNV. If AF hasn't support for JNV entrance examination, they might not able to provide good education Drushti.



Remedial coaching classes for students of class 9th & 10th in Suvali village

- ✚ To strengthen core subjects in high school level, to be helpful in getting desired results at SSCE and to serve a meaningful purpose in enhancing knowledge of these underprivileged students from poor communities, AF, Hazira has started remedial coaching classes for students of class 9th & 10th at Halpati Community Hall of Suvali village..
- ✚ Students comes from various socio economic background including Halpati. Due to poor financial condition of the family, the students were unable to take tuition class. AF, Hazira has appointed 3 experienced faculty members to provide coaching of Science, Mathematics and English and support the students with study related materials to them.
- ✚ In Academic year 2019-'20, Total 07 students of Class-X (SSC) were taking benefits of the class among them 06 students have cleared SSCE board examination.

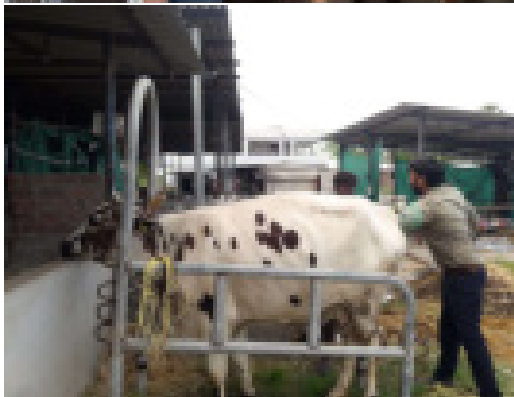
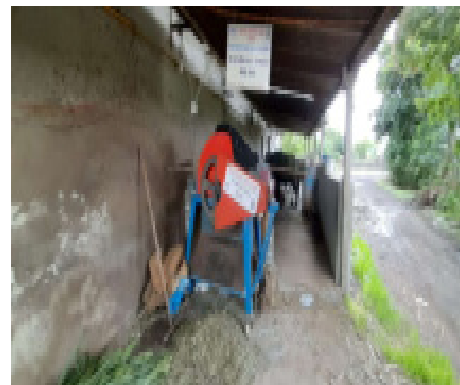
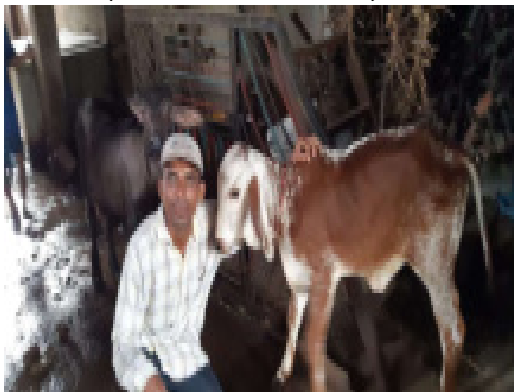
Test No: 00179400				
Name: AARON WOLFE WOLFE WOLFE				
Result: QUALIFIED FOR SECONDARY SCHOOL CERTIFICATE				
Student Index: 66166				
Subject Name	Marks obtained in external (total) exam out of 80	Marks obtained in internal school exam out of 20	Subject score (total) out of 100	Subject min Grade
01 LANGUAGE PL	69	14	83	B
10 SOCIAL SCIENCE	50	13	63	C
11 SCIENCE	37	10	47	C2
12 MATHEMATICS	67.4	10	77.4	B
14 HINDI	60	14	74	B
14 ENGLISH	40	13	53	C2
Grand Total (Sum of (Total marks) - (Total mark))				
PERFORMANCE IN THE SUBJECTS OF SCHOOL BASED ASSESSMENT				
Subject Name	Grade			
Prepared By : Sujatha (sujatha@satish)				



II. Sustainable Livelihood:

Kamdhenu project,(Enhance profitable livelihood perspective among beneficiaries) activities were carried out in Barbodhan & Junagam

- ✚ 114 new Cattle were treated by Artificial insemination during month of June 2020 (72 cow and 42 Buffalo) at Barbodhan and Junagam CBC.
- ✚ After under going PD it was found that 136 animal were pregnant.(74 cow and 62 Buffalo)
- ✚ 98 New calf born during this month (Buffalo 40 (male 20, Female 20) (cow 46, (male 25, Female 21) 9 abortion and 3 sold.



III. Community Infrastructure Development Initiatives:

- ✚ During this month we have completed Pending CID work at Village Damka and Junagam.
- ✚ Under water conservation activity work completed at damka village due to pond deepening approximately 150 Acre of land will be get additional irrigation during zaid season.
- ✚ Staircase work completed at Navchetan school during the month of June.



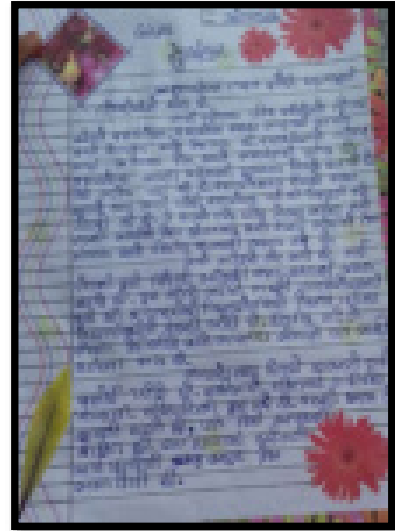
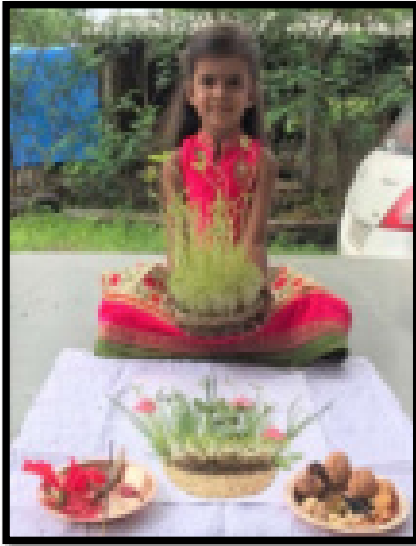
D. Glimpse of CSR Activities of the Month July 2020



Dish Decoration on occasion of GAURI VRAT and Rakshabandhan celebration.

- Due to CORONA, School is not open for students, Students are engaged in various curricular activities.
- To enhance the creative and imaginative skills of children and following the tradition of celebrating different festivals in various ways, 'The Dish decoration activity' was conducted for the students of classes III to VIII.
- In this pandemic of Covid-19, students are not coming to school, but school has planned many activities like Rakshabandhan celebration from home.

- ✚ School has arranged competitions of Essay writing, Rakhi making and Rakhi card making. Students have made card and Rakhi from available materials at their door step and wrote essays and send the photos by Social media.
- ✚ Gujarati language teacher is checking essays and craft teacher is evaluating the Rakhis and Cards and will declare the winner.

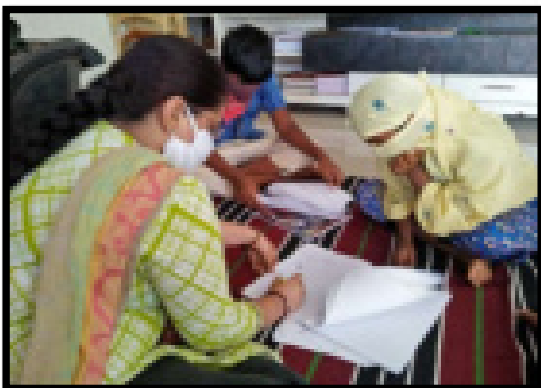


IV. Project Utthan (Initiative for strengthening primary Education)

- ✚ In project Utthan we believe that, Constant contact with stock holders improves the impact of the project. In the pandemic of CORONA, Team is constantly in touch with school teachers, principal, CRC of the area. Team

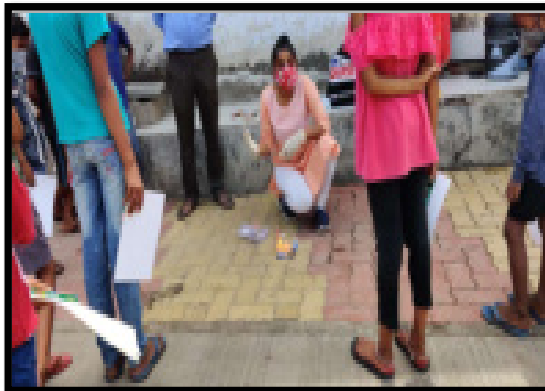
has discussed regarding alternate method of teaching and review about the support provided by the Utthan Sahayaks in their school.

- ✚ The COVID-19 pandemic has affected educational systems worldwide. In Gujarat state As a precautionary measure, the Gujarat government has decided to shut all schools. From March-2020. For new academic year starting from June-2020, Govt. has instructed the teachers to be in close contact with the students and try to teach the content at their home.

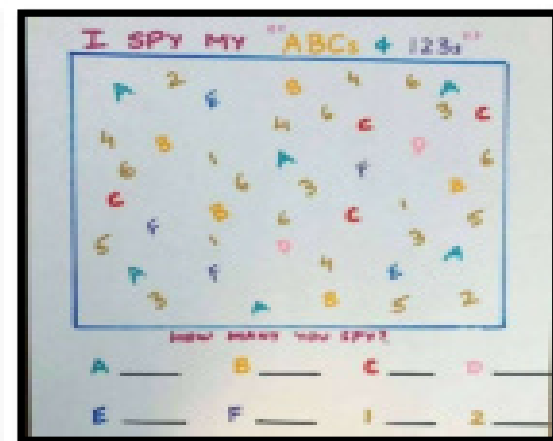




- 25 to 30% students of the Govt. primary schools have migrated with their parents to their natives. Utthan sahayaks are contacting them by call & Whatsapp media, Whenever the students got chance to video call Utthan sahayaks, they called and learnt various things. Utthan sahayaks have demonstrated to make mask using the available fabrics.
- Utthan sahayaks have explained to make Mask using available clothes. US demonstrated experiments to be healthy and maintaining hygiene. They have also demonstrated the use of Camphor and Alum. (Camphor exhibits a number of biological properties such as insecticidal, antimicrobial, antiviral, anti-nociceptive, activities, Alum for purification of drinking water)



- Learning resources plays an important role in transecting the knowledge in more child centric way. Teaching Learning Materials(TLMs) play vital role in off class learning. Utthan Sahayaks have identified many games and made handmade TLMs for the students impactful during this pandemic.
- Positive mind-set is the first step for better physical and psychological well being, In the Corona pandemic the students are not coming to the schools thus Utthan sahayaks are on house visit of the students and suggesting the activities regarding their physical, mental and academic upliftment.



Celebration of Vanmhotshav 2020

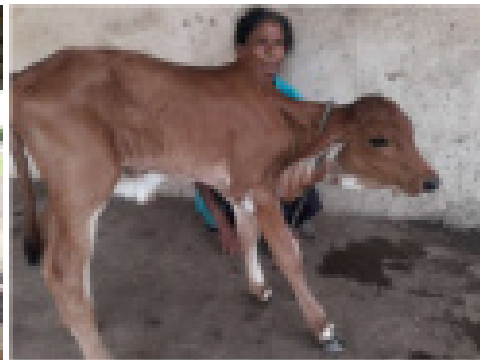
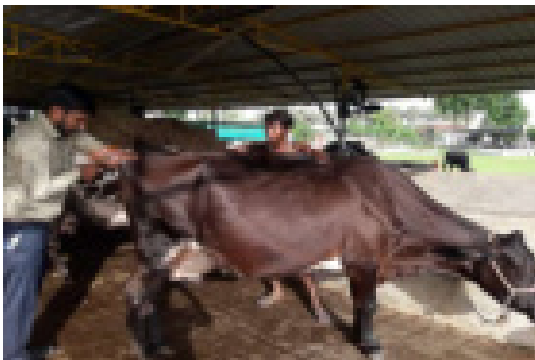
It helps spread awareness about the harm caused by the cutting down of trees. People celebrate VanMahotsava by planting trees in village. On the occasion of Celebration of Vanmhotshav Tree plantation Drive at Village Damka at Choryashi Block. Gram Panchayat members and AF Team planted tree on the Road side of the village.



I. Sustainable Livelihood:

Kamdhenu project,(Enhance profitable livelihood perspective among beneficiaries) activities were carried out in Barbodhan & Junagam

- ✚ 134 new Cattle were treated by Artificial insemination during month of July 2020 (87cow and 47 Buffalo) at Barbodhan and Junagam CBC.
- ✚ Due to Lockdown in month of April PD not Done
- ✚ 60 New calf born during July 2020 (Buffalo 31 (male 16, Female 14) (cow 29 (male 14, Female 11) 2 abortion and 3 sold.
- ✚ Established 3 Fodder Plot in two villages with 3 farmer Total 1 acre of land covered under this activities. Variety of grass was BHN-10.



Media Coverage

અદાણી ફાઉન્ડેશન તથા દામકા ગ્રામ
પંચાયત દ્વારા વન સમાહ નિમિત્તે વૃક્ષારોપણ

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अदानी फ़ाउंडेशन तथा दानका बाल
पंचायत ने किया दान सप्ताह पर पौधारोपण

■ special oil filter recommended
Always use always

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spes, sunt raritate grade la nivel
mediu la care facem la cunoscut si au
fost la nivel. Si nu sunt rare, nu
sunt raritate grade la cunoscut
sau nu sunt la nivelul raritatii.

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દામકામાં અદાણી ફાઉન્ડેશન દ્વારા
વન્થ સપ્તાહ નિમિત્તે વૃક્ષારોપણ

आमिना मुन्स

માર્ગની બંને તરફ

१५० रोमन

2009

આચાર્યી કાર્તીકેશન-જાજરા
કાવ્ય યોગથી તણાવના કાંકા
વિલાસના ધનના વામનાં કામ
પંચામતાના સહયોગથી વન
સાક્ષાત્તરી ઉજાવથી કવિયાનાં આવી
હતી. આચાર્યી કાર્તીકેશન-કાવ્ય સમ
પંચામતાનાં યોગ્યાર્થિત કરી વન
સાક્ષાત્તરિયે વૃક્ષાર્થિત કરવાનાં
આમું હતું.

১০০০ টাকার ওপর
 ১০০০ টাকার ওপর

આમ, સમોના સિદ્ધાન્ત, આદીત્ય, આત્મવ્યુત્તિ આદિકાના વિચારને માત્ર જાન્યમાનના સીધા સુવિધાઓના નિર્માણના કાર્યો ઉપરોક્તની એક જાગ્રાજક ઉત્તરદાસિયત નિર્માણવાળી સમગ્રીની આમરૂપે કરવામાં આવે છે. વળતરાભરી ઉત્તરદાસિય આમરૂપે આજે સમગ્ર માનના પંથકના સમોના સમયોક્તિ પુરાણીકતાનું આયોજન કરવામાં આવે છે.

આમના મુખ્ય સલાઓની આધુનાં વૃદ્ધોત્તુ વાવેતર કરવામાં આવતું હતું. આ કસબે અદાલીતજીવાદી આરોપેર વિમિલેડના.

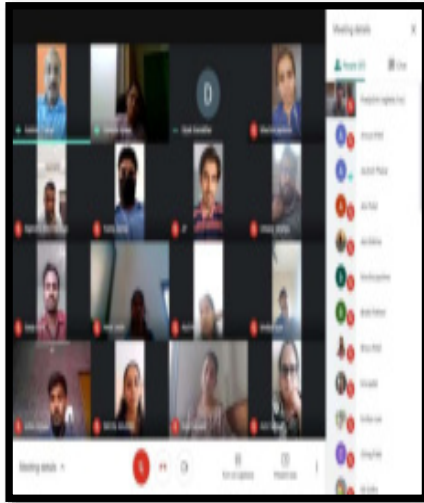
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UHS-H

છત્તી પાલીનું આયુ

તથા અદાણી ફાઉન્ડેશનના અધિકારીઓ અને દામકા ગામપંચાયતના યુવા અને ઉત્સાહી સરપંચશ્રી તુલસીદાસ પટેલ સહિત પંચાયતના સભ્યો હાજર રહ્યા હતા.

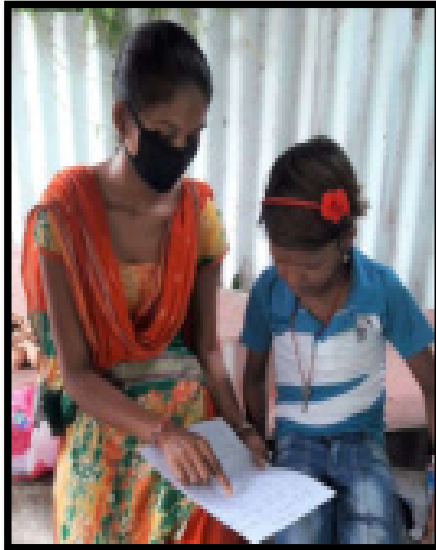
Utthan: Initiative for strengthening primary Education Initiative for strengthening primary Education



Regular training and capacity building programs of Utthan Sahayaks can improve the quality of the teachers. Biweekly online trainings were conducted. On 4th August 2020, A session was conducted on 'Rapport building'. On 20th August 2020 a online training was conducted to identifying Individual differences of learners and cater the same'

Utthan Sahayaks have distributed self learning worksheets, tell the students to make complete, After collecting them they re checking and clearing the doubts. In small groups at their door step with all necessary social distancing and other recommendations from government authorities.

- ✚ Learning resources plays an important role in transecting the knowledge in more child centric way. Teaching Learning Materials(TLMs) play vital role in off class learning. Utthan Sahayaks have identified many games and made handmade TLMs for the students impactful during this pandemic
- ✚ Brainstorming while solving the puzzles is very much interesting activities among the students. Utthan Sahayaks have specially designed puzzles for progressive learners. Learning Alphabets of English and numbers by using TLMs and making words and numbers by arranging them is fun and making parachute from plastic.



- ✚ Along with academic subjects Utthan Sahayaks try to improve the hand eye coordination of the progressive learners, Utthan Sahayaks have taught few items of origami to the students. The students have make crown by folding and cutting old news papers, Boats and various shapes.

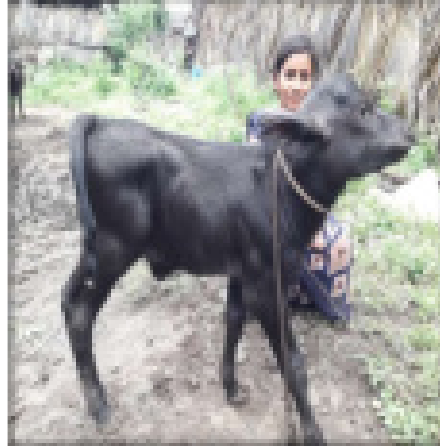
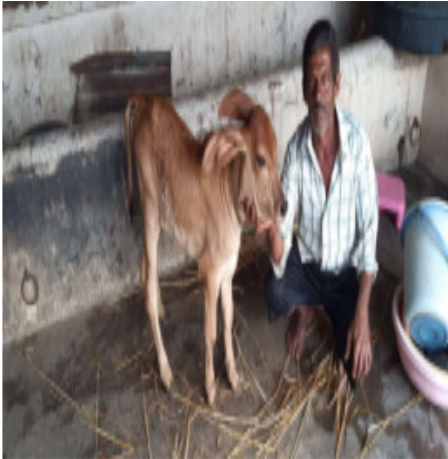
- Amidst the ongoing COVID-19 pandemic. Government did not allow students to participate in the Independence Day celebrations physically. However, students were excited to show their feelings. The students have made various shapes and items using tricolor with help of Utthan Sahayaks and make drawings to thank and remember our great freedom fighters.



Sustainable Livelihood: Kamdhenu project, Barbodhan & Junagam Enhance profitable livelihood perspective among beneficiaries

- 140 New cattle were treated by Artificial insemination during month of August 2020 (73 cow and 67 Buffalo) at Barbodhan and Junagam CBC.
- After under going PD it was found that 19 animal were pregnant.(11 cow and 8 Buffalo)

- 64 New calf born during the month of August 2020 (Buffalo 38 (male 15, Female 17) 3 abortion and 3 sold (cow 26 (male 11, Female 11) 3 abortion and 1 sold.
- 7 Infertile cattle treated during the month of August 2020 and 3 buffalo female calf Dehorning done during this month.



VDC: Initiated dialogue with Village community for VDC Formation

- Started one to one meeting and interaction with potential community leaders opinion leaders and sharing views and objective of formation of VDC sharing some positive experience of model villages like Punshari, Rajsamdhiala, Badalpura and Hiwarebazar.
- Held interaction session of team members with key stakeholder like health worker, Asha, Aganwadi and others.
- Objective sharing of VDC and listening their views about VDC and understand village dynamics.

- AF Team prepared tentative list of potential members those who are interested to be part of VDC and ready to contribute time and energy for village development.
- After first round of interaction regarding formation of VDC community leaders come forward to form village development committee, next meeting will be held during first week of September 2020.

Sustainable livelihood (Developing & Strengthening CBOs)

- Held Meeting with SHGs members at Village Bhatlai sharing information about Aatmnirbhar Bharat Scheme for Income generation activity.
- Provided information about formation of new SHGs and importance of record keeping with non members those who wants to join SHGs.
- Interaction with SHGs Leaders about formation of VO in Bhatali village.
- After meeting all members join tree planation program was organized by Unnat Bharat Abhiyan and DRDA Surat.



COVID-19

- Due to increasing COVID-19 Positive cases in Surat Area, many port drivers need to RTPCR Test. But it is expensive in private lab for drivers to do testing as the charges is Rs.3000 per test.it is free in government hospital but staff allow only symptomatic person for testing.
- AF Team influence MO Suvali PHC and help 19 drivers for such test at free of cost and is able to save Rs.57000 from these low-income level individuals.



Employee volunteer program

Selfless service by AHPPL Staff members.

- On the auspicious day of honourable Chair person of Adani Foundation Dr.Priti Madam Birthday AHPPL Staff collected clothes and AF team distributed collected clothes to primitive tribal families in the presence of village Sarpanch Damka. This selfless and dedicated work given by all contributor among Adani Staffs was appreciated by the receiver



ગુજરાતના પદ્ધતિગત રીતિ રીવાજો, સાંસ્કૃતિક મૂલ્યો અને જાણીતા કલાકારોના કાર્યોના આધારે આ મુદ્દાઓની વિસ્તૃત ચર્ચા કરવામાં આવી છે. આ મુદ્દાઓની વિસ્તૃત ચર્ચા કરવામાં આવી છે. આ મુદ્દાઓની વિસ્તૃત ચર્ચા કરવામાં આવી છે.

Glimpse of CSR Activities of the month of September 2020

I. **Education:** Navchetan Vidyalaya, Primary wing Self-Learning Modules (SLM) & Students' House visit

- ✚ All the teachers of class-JRKG to VIII are preparing and sending the Self-Learning Modules (SLM) for all curricular subjects.
- ✚ Prepared SLM is circulated in the Google Classroom thrice in a week. i.e. on Monday, Wednesday & Friday.
- ✚ Few students of each class were not submitting assigned SLMs. To cater this issue Class teacher and subject teacher visited the houses of the students and talked with their parents and asked them to submit the SLMs regularly.
- ✚ 91% students are submitting their assignments, 17 students of DLSS quota are not submitting notebooks of SLM assignments.
- ✚ Parents/ neighbour of the student once a week visit the school and submit the notebooks, which the students have wrote and recollect the other notebooks which were submitted last week.
- ✚ Customized Self Learning Modules (SLMs) are prepared for the students of Junior KG class. In the SLM teachers have includes the activities which can improve hand-eye coordination,



Achievement in Primary Scholarship Examination (PSE)

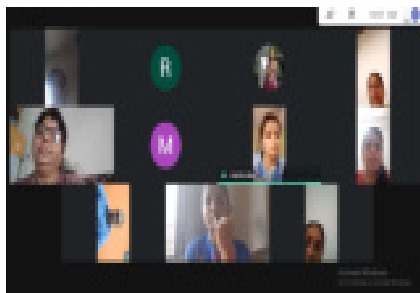
- Gujarat State Examination Board, Gandhinagar has conducted Primary-Secondary Scholarship Examination on 01/12/2019.
- 10 students of Class-VI of Navchetan Vidyalaya, Junagam have appeared in the examination,
- On 27/02/2020 result of the examination declared 01 girl student qualified and got rank in merit, she has got scholarship of Rs. 5,750/- INR.
- Rest all 09 students have cleared the examination, on 24/09/2020 school has received certificate cum mark sheets of all the students. Showing all the students have cleared the PSE, 2019.
- CRC, Mora has handed over the certificates to Principal and Congratulate the Principal as in Hazira coastal area no other student have even cleared the PSE.



Sr. No.	Name of Utthan School	School Strength		Students Catered		
		Total Students	Progressive Students	Total Students	Progressive Students	% of Catered Progressive students
1	Suvali Primary School, Suvali	92	26	54	19	73.08%
2	Vansva Primary School, Vansva	60	20	34	13	65.00%
3	Hazira Halpatiswas Primary School, Hazira	20	6	16	4	66.67%
4	Mora Primary School, Mora	431	98	172	70	71.43%

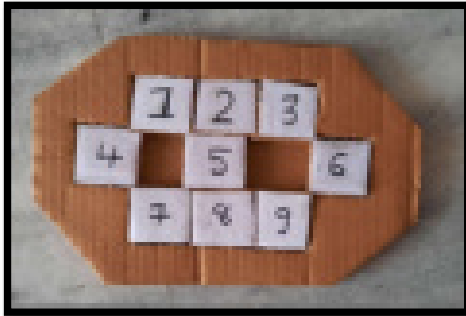
5	Bhatlai Primary School, Bhatlai	110	27	48	17	62.96%
6	Rajagari Primary School-1, Rajagari	52	14	28	10	71.43%
7	Mata Faliya Primary School, Hazira	110	24	54	17	70.83%
8	Junagam Primary School, Junagam	110	22	52	17	77.27%
9	Hazira Primary School, Hazira	240	39	98	30	76.92%
10	Damka Primary School, Damka	169	29	81	20	68.97%
	Total :	1394	305	637	217	

- Capacity building programs for Utthan Sahayaks can improve the quality of the teachers. During lockdown Utthan sahayaks are regularly attending webinars and enrolled them selves for various online courses. Each Utthan Sahayak has completed minimum 01 course and Above all, biweekly online trainings are arranged this month on 19/09/2020 & 30/09/2020, 2 hours online seminars were conducted Topic were 'Cognitive and Affective Domain in primary school education and General objectives of classroom education
- Learning materials are important because they can significantly increase student achievement by supporting student learning. TLMs are very necessary now a days for effective teaching Utthan Sahayaks are making Teaching Learning Materials (TLMs) regularly using available materials and using the same while visiting the MAHOLLA/ Society during house visit of the students of their allotted government primary school.
- Prepared TLMs are not just for curricular subjects but to improve their mathematical ability and skills.

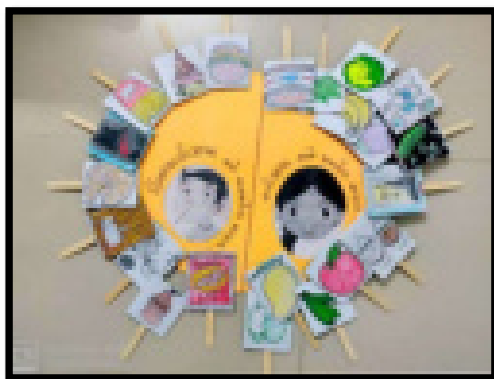


In project villages of Hazira coastal area, approx. 30% students of Government primary school have migrated to their native state like Bihar, UP, MP etc. For those students classes and Parents meetings are arranged online.

Two times in a week Utthan sahayaks connect with those students and conduct classes, assigned oral and written work,



- On every September 5, Teacher's Day is celebrated all over India as an occasion to appreciate and acknowledge the efforts and hard work of our teachers in making us sophisticated and responsible individuals. Students (especially Halpati students of Damka, Vansva and Suvali villages) express their gratitude and appreciation for Utthan Sahayaks. They gifted a self made greetings card and handmade flowers bouquet to Utthan Sahayak.
- To make aware and sensible about health and hygiene, Utthan Sahayak has made a TLM, In which a child can understand their food in healthy- food and -unhygienic food.



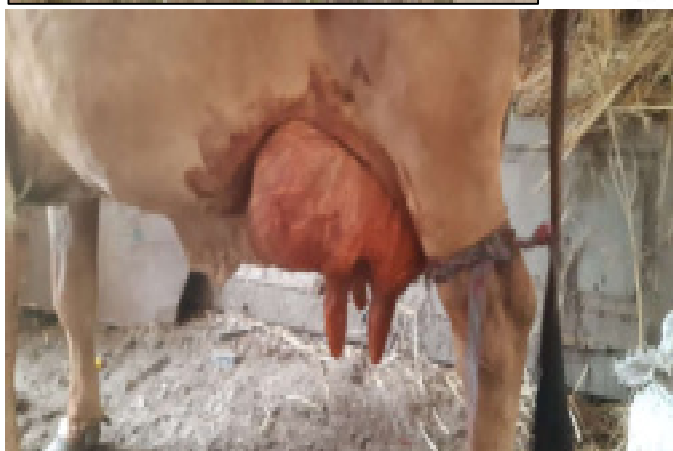
II. Sustainable Livelihood Kamdhenu project - Barbodhan & Junagam Villages

- ✚ 148 New cattle were treated by Artificial insemination during month of September 2020 (47 cow and 101 Buffalo) at Barbodhan and Junagam CBC.
- ✚ After under going PD it was found that 60 animal were pregnant.(37 cow and 23 Buffalo)
- ✚ 97 New calf born during the month of September 2020 (Buffalo 53 (male 26, Female 22) 02 abortion and 3 sold (cow 44 (male 14, Female 19) 04 abortion and 7 sold.



- ✚ During interaction with farmers we tried to find out efforts taken by them for their animals in which we found that they are following traditional management practices resulted to get stunted growth long age maturity, ultimately hampers on low milk production. Lack of awareness about scientific management practices. We also tried to solve their queries. Total 56 cattle treated through camp.
- ✚ During this webinar we discuss and provided scientific information on below mentioned topics.
- ✚ Importance of Deworming and Mineral Mixture

- Formulation of Balanced concentrate ration for milking animals.
- Gynecological disorders and its complication.
- Causes of low milk production
- Causes of anestrus condition in buffloes
- Problem of silent heat in buffaloes
- Tips for Economical dairy farming, 18 Participants were participating in on line webinar

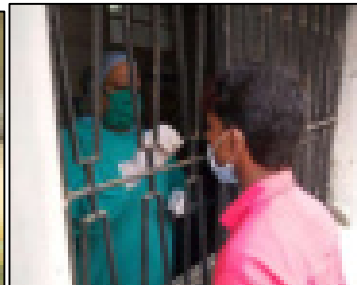
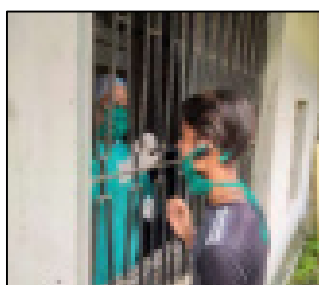


B. Developing & Strengthening Self Helping Groups (SHGs)

- Adani foundation organized meeting with SHG members in Rajgari village for organic certification of farm produce like. Vegetable's, Food crop etc. Mr.P.K.Gaveriya from OPEDA (Organic Produce Export Development Authority) explain details about certification and it's benefits and importance of chemical free farming.
- Mrs. Falguni Desai From GLPC were present in the meeting and shared information about Mukhymantri Mahila Utkarsh Yojna.
- Mrs.Lataben(Progressive farmer) share her experience of cow base farming and importance of cow dung and cow urine in agriculture, she also offering her support for training if women will come forward to adopting chemical free farming. 48 women member were participating this awareness meeting.



- Due to increasing COVID-19 Positive cases in Surat Area, many port drivers need to RTPCR Test. But it is expensive in private lab for drivers to do testing as the charges is Rs.3000 per test.it is free in government hospital but staff allow only symptomatic person for testing.
- AF Team influence MO Suvali PHC and help 12 drivers for such test at free of cost and is able to save Rs.36000 from these low-income level individuals.



Felicitation of MO Suvali by AF Team members

Employee volunteer program

Selfless service by AHPPL Staff members.

- AHPPL Staff member's donated clothes for distributing to poor community. AF team distributed collected clothes to primitive tribal families in the presence of village Sarpanch Suvali during the month of September 2020.



Field visit and interaction with Progressive farmer's



Media Coverage :

અદાણી ફાઉન્ડેશન દ્વારા રાજગીરી ગામની બહેનો માટે મોટિવેશન કાર્યક્રમ યોજાયો



અદાણી મહાન સ્ત્રીઓ સીડીઓના ટીચરોએ સુરત સ્ત્રીઓ સંબંધિત કોઈ સમસ્યાઓને લઈને સંબોધિત કરવાની

સુરત, ગુજરાત, ૧૦ ઈસ્ટરન મહાન સ્ત્રીઓ સંબંધિત કોઈ સમસ્યાઓને લઈને સંબોધિત કરવાની સુરત સ્ત્રીઓ સંબંધિત કોઈ સમસ્યાઓને લઈને સંબોધિત કરવાની સુરત સ્ત્રીઓ સંબંધિત કોઈ સમસ્યાઓને લઈને સંબોધિત કરવાની

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સંબોધનારની ઉપસી પસંદગિયામાં સેવાઓ મુલ્યે કેસલ દરુસા કાંઠા વિસ્તારના બાળકો સાથે શૈક્ષણિક નીતો જાણવી રાખતી અદાણી ફાઉન્ડેશન



દરુસાના નામ અદાણી ફાઉન્ડેશન દ્વારા રાજગીરી ગામની બહેનો માટે મોટિવેશન કાર્યક્રમ યોજાયો

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ધરે-ધરે જઈ વિદ્યાર્થીઓને શિક્ષણ આપ્યું

સુરત : અદાણી ફાઉન્ડેશન કાંઠા વિસ્તારની ૧૦ સરકારી શાળાઓમાં ચાલતા ઉત્થાન પ્રોજેક્ટ થકી બાળકોને શિક્ષણ અપાય છે. કોરોનાકાળમાં પણ ઉત્થાન સહાયકોએ ધરે ધરે જઈ બાળકોને શિક્ષણ પૂરું પાડ્યું હતું.

અદાણી ફાઉન્ડેશન ને રાજગીરી ગાંવ કી મહિલાઓં કે લિઅ કિયા મોટિવેશન કાર્યક્રમ આયોજિત



સત્રી મંડલ કે સ્થાન સીડીઓના ટીચરોએ સુરત સ્ત્રીઓ સંબંધિત કોઈ સમસ્યાઓને લઈને સંબોધિત કરવાની

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CSR Expenditure details April 2020 to September 2020

Sr No	Particulars	Proposed Budget F.Y. 2020-21			Expenses up to Sep-2020 in Lacks
		CAPEX	OPEX	Total	
A	Admin & HR	3.48	12.70	16.18	8.21
B	Education	0.00	64.95	64.95	22.32
C	Community Health	0.00	16.65	16.65	1.52
D	Sustainable Livelihood Development	0.00	45.98	45.98	4.71
E	Community Infrastructure Development	0.00	23.50	23.50	35.10
F	Utthan	0.00	87.87	87.87	7.30
	Total	3.48	251.65	255.13	79.15

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Annexure-3:

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

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

S. No.	EMP Conditions	Compliance Status as on 30.09.2020
I.	AS PER TERRESTRIAL ENVIRONMENTAL IMPACT ASSESSMENT REPORT: -	
A	CONSTRUCTION PHASE:-	
1.	Dredged Soils Management Plan: AHPPL 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 has been done till date. All the dredging material is being 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 is 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 have been 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.



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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: 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.	Complied Separate storm water channels have been 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 are 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 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 AHPPL 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	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,



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	<p>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.</p> <p>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.</p>	<p>6. Wind Brake Shield of 14 meters high and 1900 meters long,</p> <p>7. Transportation of cargo from port to hinterland is being done through dumpers / trucks covered with tarpaulin,</p> <p>8. Regular cleaning of the roads through Road Sweeping Machines, and</p> <p>9. Company has set up dedicated greenbelt area for plantation at periphery / avenue plantation / landscaping etc. Total greenbelt area developed so far is approx. 77.44 ha within the port premises.</p>
2.	<p>Noise Control Program: The following source noise control plans have been suggested: -</p> <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. 	<p>Complied.</p> <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.	<p>Waste Water Management: Port handling operations would generate wastewater from the following sources: -</p> <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>Being Complied</p> <ul style="list-style-type: none"> - AHPPL 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.



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	<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 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>Complied. Dedicated coal dump pond is being provided to collect the runoff (if any) from coal yard and it is further reused for dust suppression purpose into coal yard.</p> <p>Complied with. No spill has occurred till date. If, spills occurred, spilled material/chemical will 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 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. 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. 	<p>Complied. - 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,</p>



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	<p>Horticulture/Garden wastes are being sent to Organic Waste Converter (OWC) to convert it into compost and reused as manure in greenbelt/plantation.</p> <ul style="list-style-type: none"> - 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>➤ 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.</p> <p>➤ Recyclable wastes will be collected and disposed to waste recycling vendors through certified recyclers wherever applicable.</p> <p>➤ 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.</p> <p>➤ Spent lube oils and greases will be disposed to authorized used oil recycling vendors.</p> <p>➤ A dedicated and completely enclosed shed will be identified to store the hazardous wastes in order to avoid any cross contamination from storm water.</p> <p>➤ 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>	<p>Complied. All the wastes are segregated at source and stored at a dedicated Hazardous Waste storage shed/yard.</p> <p>Complied. 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.	<p>Greenbelt and Plantation:</p> <p>➤ AHPPL 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</p>	<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. 77.44 ha till 30th September 2020.</p>



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	<p>ecological value of the area. Greenbelt would be developed as per the CPCB guidelines.</p> <p>➤ 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>	Horticulture budget for FY 2020-21 was Rs. 139.00 Lakhs.									
7.	<p>Community Development Plan:</p> <p>AHPPL 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, helping villagers for constructing and maintaining household toilets, school toilets. 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. 6. Organizing need based skill development program to women and youth for their empowerment. 7. Rural infrastructure development by construction of rainwater harvesting ponds, check dams, roads, bus stops, drainage systems, fish landing shed, solar street lamps. AHPPL 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:- <table border="1"> <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> </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	<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 last six months of the Financial Year: 2020-21.
S. No.	Descriptions	Budgeted Amount For 1 st 5 year Period (Amount rupees in Crore)									
1	Education	2.29									
2	Community Health	1.18									



Adani Hazira Port Private Limited

**From: April 2020 to
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	3	Sustainable Livelihood Activities	1.43	
	4	Rural Infrastructure Development	2.04	
	5	Entry Point Activities	1.27	
	Total		8.21	
II.	MARINE ENVIRONMENT MANAGEMENT PLAN:			
A.	CONSTRUCTION PHASE: -			
	<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, once the construction activities are completed. 			<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>
B.	OPERATION PHASE: -			
	<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 			<p>Complied. 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. All the solid waste generated from the port is properly segregated, stored and disposed as per the applicable rules.</p> <p>Being Complied Free flow to the mangrove is not restricted by any of our activity.</p> <p>Complied. Shoreline change study was conducted by NIO, Vizag during the period from November, 2014 to December, 2015.</p>

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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	<p>corrective action in terms of shore stabilization shall be undertaken.</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 to identify for deviations if any from the baseline environmental quality. ➤ 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>Study confirms that there is no significant change in the nearby shoreline except for the approved layout of the AHPPL. The report did not warrant any mitigation measures.</p> <p>Noted and Being Complied. There is no oil spill till date.</p> <p>Complied. 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 No effluent is being discharged.</p> <p>Complied. Please refer the Annexure-4D for the Sea Water Quality Monitoring / Analysis Reports for the period April 2020 to September 2020.</p> <p>Noted, AHPPL is not discharging any effluent outside the port premises.</p>
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	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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ANNEXURE-4

**Environmental Monitoring / Analysis Results For The Period From April 2020 to September
2020**

4A. AMBIENT AIR QUALITY MONITORING (APRIL 2020 TO SEPTEMBER 2020): -
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	15/05/2020	79.31	44.35	ND*	ND*	ND*	ND*	0.81	ND*	33.42	14.46	38.56	25.64
2	19/05/2020	86.42	48.38	0.56	ND*	2.35	10.52	0.63	ND*	28.22	21.2	34.53	18.41
3	22/05/2020	93.46	52.43	0.76	ND*	2.76	10.9	0.74	ND*	23.54	18.67	30.27	23.58
4	25/05/2020	82.32	40.23	ND*	ND*	ND*	ND*	0.53	ND*	34.83	23.49	39.41	27.56
5	28/05/2020	77.34	38.45	ND*	ND*	ND*	ND*	0.82	ND*	38.62	16.24	32.41	22.55
6	01/06/2020	86.79	43.65	0.72	ND*	2.34	10.47	0.86	ND*	27.33	22.71	30.41	22.68
7	04/06/2020	77.66	38.41	ND*	ND*	ND*	ND*	0.74	ND*	34.41	19.42	35.39	26.26
8	08/06/2020	69.47	30.39	ND*	ND*	ND*	ND*	0.48	ND*	15.67	15.48	28.64	16.59
9	11/06/2020	72.65	46.42	ND*	ND*	ND*	ND*	0.66	ND*	25.44	20.24	34.24	27.68
10	15/06/2020	89.23	50.32	0.8	ND*	2.46	10.58	0.79	ND*	29.44	18.7	26.51	25.16
11	18/06/2020	78.63	39.46	ND*	ND*	ND*	ND*	0.92	ND*	35.38	24.32	43.5	20.42
12	22/06/2020	81.21	45.66	ND*	ND*	ND*	ND*	0.61	ND*	28.52	16.4	40.36	24.22
13	25/06/2020	73.25	36.42	ND*	ND*	ND*	ND*	0.73	ND*	33.46	23.45	33.47	28.29
14	29/06/2020	88.68	49.36	ND*	ND*	ND*	ND*	0.55	ND*	20.51	17.81	37.68	23.49
15	02/07/2020	82.47	45.26	ND*	ND*	ND*	ND*	0.76	ND*	32.41	23.38	39.4	25.66
16	06/07/2020	63.66	25.66	ND*	ND*	ND*	ND*	0.41	ND*	27.54	14.26	32.55	16.45
17	09/07/2020	70.25	32.43	ND*	ND*	ND*	ND*	0.94	ND*	30.44	18.64	36.36	27.34
18	13/07/2020	87.67	41.36	0.81	ND*	2.46	10.79	0.73	ND*	36.51	13.6	26.44	18.31
19	16/07/2020	69.41	36.49	ND*	ND*	ND*	ND*	0.89	ND*	33.52	16.23	37.21	21.65
20	20/07/2020	88.65	49.33	ND*	ND*	ND*	ND*	0.64	ND*	22.62	20.34	29.23	26.25
21	23/07/2020	90.24	46.23	0.64	ND*	2.32	10.38	0.9	ND*	26.35	15.56	34.23	19.26
22	27/07/2020	80.67	35.29	ND*	ND*	ND*	ND*	0.97	ND*	37.23	22.47	38.47	24.35
23	30/07/2020	74.64	43.54	0.53	ND*	2.16	10.47	0.72	ND*	23.65	19.34	30.47	17.52
24	04/08/2020	70.35	31.22	0.8	ND*	ND*	ND*	0.98	ND*	18.37	19.83	28.35	21.54
25	06/08/2020	82.62	44.51	ND*	ND*	2.34	10.53	0.86	ND*	21.53	15.48	34.26	20.72
26	10/08/2020	77.52	37.62	ND*	ND*	ND*	ND*	0.71	ND*	25.19	22.35	31.53	24.37
27	13/08/2020	68.52	28.43	ND*	ND*	ND*	ND*	0.92	ND*	16.52	24.54	36.23	15.88
28	17/08/2020	59.38	35.45	0.62	ND*	ND*	ND*	0.69	ND*	19.52	14.28	25.52	22.42


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29	20/08/2020	85.62	26.42	ND*	ND*	ND*	ND*	0.89	ND*	20.21	23.41	30.33	27.62
30	24/08/2020	69.52	43.5	ND*	ND*	ND*	ND*	0.78	ND*	27.89	20.31	37.54	23.28
31	27/08/2020	74.58	32.66	0.76	ND*	2.24	10.38	0.82	ND*	14.52	18.35	32.54	18.37
32	31/08/2020	56.32	29.54	ND*	ND*	ND*	ND*	0.29	ND*	13.45	13.21	39.27	25.84
33	03/09/2020	89.61	50.15	0.62	ND*	2.34	10.42	0.89	ND*	26.55	22.42	32.43	24.36
34	07/09/2020	72.58	32.54	ND*	ND*	ND*	ND*	0.98	ND*	34.27	24.24	38.43	26.37
35	10/09/2020	84.29	49.25	0.75	ND*	2.16	10.53	0.6	ND*	27.54	20.49	30.23	21.38
36	14/09/2020	76.58	39.26	ND*	ND*	ND*	ND*	0.57	ND*	30.32	18.59	33.34	28.69
37	17/09/2020	80.3	34.65	ND*	ND*	ND*	ND*	0.76	ND*	29.43	15.41	28.44	23.58
38	21/09/2020	67.56	29.39	ND*	ND*	ND*	ND*	0.95	ND*	24.63	21.29	39.21	25.44
39	24/09/2020	86.27	48.2	ND*	ND*	ND*	ND*	0.88	ND*	21.84	19.4	31.25	22.46
40	28/09/2020	75.35	43.54	0.53	ND*	2.42	10.72	0.5	ND*	25.78	16.85	27.68	19.97

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	15/05/2020	65.82	28.31	ND*	ND*	ND*	ND*	0.29	ND*	21.25	8.42	28.37	11.56
2	19/05/2020	77.62	31.26	ND*	ND*	ND*	ND*	0.44	ND*	23.41	12.61	21.66	16.56
3	22/05/2020	82.47	24.66	ND*	ND*	ND*	ND*	0.36	ND*	15.28	9.35	15.63	21.66
4	25/05/2020	75.62	35.41	ND*	ND*	ND*	ND*	0.32	ND*	26.76	14.36	35.87	24.51
5	28/05/2020	66.34	27.55	ND*	ND*	ND*	ND*	0.66	ND*	19.44	11.6	29.62	17.63
6	01/06/2020	61.21	33.45	ND*	ND*	ND*	ND*	0.8	ND*	15.78	9.47	27.63	14.31
7	04/06/2020	72.33	35.31	ND*	ND*	ND*	ND*	0.69	ND*	30.36	17.29	30.33	18.13
8	08/06/2020	59.31	25.38	ND*	ND*	ND*	ND*	0.39	ND*	13.66	11.61	20.27	12.63
9	11/06/2020	63.44	33.42	ND*	ND*	ND*	ND*	0.33	ND*	23.62	15.66	29.55	23.53
10	15/06/2020	75.38	41.29	ND*	ND*	ND*	ND*	0.7	ND*	11.26	8.59	23.67	21.36
11	18/06/2020	65.19	28.35	ND*	ND*	ND*	ND*	0.76	ND*	31.26	16.38	35.82	13.63
12	22/06/2020	58.69	38.42	ND*	ND*	ND*	ND*	0.26	ND*	16.64	10.65	33.28	22.55
13	25/06/2020	67.41	26.32	ND*	ND*	ND*	ND*	0.45	ND*	22.46	14.55	28.32	20.37
14	29/06/2020	76.37	31.64	ND*	ND*	ND*	ND*	0.17	ND*	10.28	12.41	19.55	11.33
15	02/07/2020	66.36	28.61	ND*	ND*	ND*	ND*	0.25	ND*	10.56	16.72	33.53	20.42
16	06/07/2020	45.62	14.57	ND*	ND*	ND*	ND*	0.18	ND*	24.35	10.55	23.44	12.66
17	09/07/2020	65.57	23.67	ND*	ND*	ND*	ND*	0.55	ND*	29.47	8.29	19.52	14.33
18	13/07/2020	81.24	38.44	ND*	ND*	ND*	ND*	0.42	ND*	32.56	6.3	14.64	16.57
19	16/07/2020	63.52	22.67	ND*	ND*	ND*	ND*	0.37	ND*	28.55	11.5	24.64	11.55
20	20/07/2020	76.75	36.25	ND*	ND*	ND*	ND*	0.24	ND*	25.16	14.53	21.26	18.65
21	23/07/2020	68.22	33.51	ND*	ND*	ND*	ND*	0.58	ND*	34.26	13.13	31.64	21.25
22	27/07/2020	55.67	30.46	ND*	ND*	ND*	ND*	0.26	ND*	31.65	17.59	25.23	22.37
23	30/07/2020	62.55	35.44	ND*	ND*	ND*	ND*	0.49	ND*	20.37	12.34	28.34	19.31
24	03/08/2020	63.62	26.33	ND*	ND*	ND*	ND*	0.49	ND*	14.39	14.34	22.63	15.44
25	06/08/2020	75.34	41.26	ND*	ND*	ND*	ND*	0.58	ND*	19.25	9.6	31.66	17.4
26	10/08/2020	66.31	30.32	ND*	ND*	ND*	ND*	0.66	ND*	17.51	16.21	16.27	20.79
27	13/08/2020	47.52	19.21	ND*	ND*	ND*	ND*	0.55	ND*	27.27	18.5	28.41	13.66
28	17/08/2020	54.22	24.62	ND*	ND*	ND*	ND*	0.47	ND*	15.58	12.33	21.53	16.18
29	20/08/2020	61.57	20.24	ND*	ND*	ND*	ND*	0.3	ND*	10.62	19.61	19.24	24.61


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30	24/08/2020	56.34	22.62	ND*	ND*	ND*	ND*	0.46	ND*	18.23	15.39	23.66	26.32
31	27/08/2020	68.35	25.35	ND*	ND*	ND*	ND*	0.54	ND*	26.56	13.59	26.54	21.28
32	31/08/2020	51.62	23.54	ND*	ND*	ND*	ND*	0.25	ND*	12.58	10.42	29.36	23.8
33	03/09/2020	82.54	46.61	ND*	ND*	ND*	ND*	0.71	ND*	17.51	17.6	28.3	19.3
34	07/09/2020	49.63	22.75	ND*	ND*	ND*	ND*	0.78	ND*	20.47	22.59	35.39	13.6
35	10/09/2020	73.54	42.59	ND*	ND*	ND*	ND*	0.3	ND*	24.26	12.27	21.57	16.61
36	14/09/2020	67.2	35.61	ND*	ND*	ND*	ND*	0.69	ND*	10.67	10.37	17.65	24.25
37	17/09/2020	71.52	28.62	ND*	ND*	ND*	ND*	0.64	ND*	25.33	8.62	25.34	18.57
38	21/09/2020	56.36	25.36	ND*	ND*	ND*	ND*	0.77	ND*	21.54	13.61	30.47	21.27
39	24/09/2020	80.28	44.65	ND*	ND*	ND*	ND*	0.37	ND*	27.26	11.59	18.66	17.25
40	28/09/2020	70.25	38.56	ND*	ND*	ND*	ND*	0.63	ND*	23.51	9.41	15.54	12.3

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	15/05/2020	56.35	31.42	ND*	ND*	ND*	ND*	0.62	ND*	10.66	6.28	15.86	15.67
2	19/05/2020	70.26	37.25	ND*	ND*	ND*	ND*	0.73	ND*	18.41	8.63	18.22	13.62
3	22/05/2020	68.64	34.24	ND*	ND*	ND*	ND*	0.61	ND*	11.82	13.39	22.88	17.55
4	25/05/2020	58.25	25.49	ND*	ND*	ND*	ND*	0.41	ND*	15.43	9.64	28.44	19.23
5	28/05/2020	61.52	30.36	ND*	ND*	ND*	ND*	0.3	ND*	25.33	7.52	16.26	10.69
6	01/06/2020	55.32	29.44	ND*	ND*	ND*	ND*	0.52	ND*	20.32	17.56	20.38	12.85
7	04/06/2020	49.44	22.44	ND*	ND*	ND*	ND*	0.57	ND*	25.68	13.46	23.48	16.41
8	08/06/2020	45.62	18.41	ND*	ND*	ND*	ND*	0.27	ND*	17.65	9.09	17.64	10.26
9	11/06/2020	57.36	27.35	ND*	ND*	ND*	ND*	0.41	ND*	13.21	12.45	24.53	19.64
10	15/06/2020	64.31	33.26	ND*	ND*	ND*	ND*	0.24	ND*	15.33	14.31	32.49	15.48
11	18/06/2020	54.27	20.46	ND*	ND*	ND*	ND*	0.29	ND*	19.65	10.74	29.42	22.45
12	22/06/2020	68.23	31.5	ND*	ND*	ND*	ND*	0.21	ND*	12.42	8.3	18.21	17.53
13	25/06/2020	52.67	23.44	ND*	ND*	ND*	ND*	0.16	ND*	10.67	11.52	25.62	14.25
14	29/06/2020	63.77	34.23	ND*	ND*	ND*	ND*	0.23	ND*	16.28	7.68	28.47	18.53
15	02/07/2020	50.36	23.46	ND*	ND*	ND*	ND*	0.21	ND*	17.23	14.39	24.53	22.45
16	06/07/2020	41.67	21.34	ND*	ND*	ND*	ND*	0.44	ND*	20.27	7.52	15.65	10.27
17	09/07/2020	52.41	15.53	ND*	ND*	ND*	ND*	0.6	ND*	15.61	13.38	22.41	20.66
18	13/07/2020	60.22	32.63	ND*	ND*	ND*	ND*	0.33	ND*	28.41	16.8	21.51	12.45
19	16/07/2020	49.27	17.55	ND*	ND*	ND*	ND*	0.62	ND*	22.35	9.64	19.23	17.66
20	20/07/2020	57.53	27.65	ND*	ND*	ND*	ND*	0.52	ND*	12.46	11.61	16.32	14.66
21	23/07/2020	62.43	30.28	ND*	ND*	ND*	ND*	0.32	ND*	16.33	6.52	29.64	15.23
22	27/07/2020	70.57	20.6	ND*	ND*	ND*	ND*	0.46	ND*	24.55	12.47	18.64	11.37
23	30/07/2020	69.34	28.35	ND*	ND*	ND*	ND*	0.39	ND*	13.55	10.31	14.15	16.35
24	03/08/2020	48.35	19.33	ND*	ND*	ND*	ND*	0.77	ND*	22.42	12.64	15.32	17.34
25	06/08/2020	67.54	33.58	ND*	ND*	ND*	ND*	0.26	ND*	14.14	14.38	26.31	11.61
26	10/08/2020	59.21	24.26	ND*	ND*	ND*	ND*	0.31	ND*	12.36	8.48	21.21	15.19
27	13/08/2020	64.21	26.16	ND*	ND*	ND*	ND*	0.65	ND*	18.98	15.65	17.55	18.3
28	17/08/2020	47.87	21.24	ND*	ND*	ND*	ND*	0.34	ND*	11.82	7.18	14.82	13.57
29	20/08/2020	56.56	18.61	ND*	ND*	ND*	ND*	0.42	ND*	17.58	16.42	23.43	21.39


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30	24/08/2020	45.65	34.24	ND*	ND*	ND*	ND*	0.52	ND*	13.55	9.66	16.36	16.27
31	27/08/2020	63.17	22.37	ND*	ND*	ND*	ND*	0.62	ND*	23.48	20.39	35.35	24.28
32	31/08/2020	46.3	20.34	ND*	ND*	ND*	ND*	0.44	ND*	10.52	6.59	24.54	20.51
33	03/09/2020	68.54	37.83	ND*	ND*	ND*	ND*	0.62	ND*	10.55	7.43	23.47	13.74
34	07/09/2020	57.54	25.9	ND*	ND*	ND*	ND*	0.39	ND*	15.64	17.31	28.55	16.54
35	10/09/2020	66.72	35.44	ND*	ND*	ND*	ND*	0.41	ND*	13.55	14.33	19.85	12.54
36	14/09/2020	54.24	27.52	ND*	ND*	ND*	ND*	0.53	ND*	12.57	8.37	22.49	19.45
37	17/09/2020	60.45	24.28	ND*	ND*	ND*	ND*	0.45	ND*	16.47	10.42	18.51	25.73
38	21/09/2020	46.55	19.25	ND*	ND*	ND*	ND*	0.8	ND*	11.47	18.69	20.83	15.36
39	24/09/2020	58.31	29.29	ND*	ND*	ND*	ND*	0.4	ND*	17.62	13.31	25.28	14.3
40	28/09/2020	65.39	33.49	ND*	ND*	ND*	ND*	0.32	ND*	14.22	11.2	21.23	17.69

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-1.4: 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	15/05/2020	52.64	35.61	ND*	ND*	ND*	ND*	0.5	ND*	15.76	12.38	31.87	18.55
2	19/05/2020	62.34	26.42	ND*	ND*	ND*	ND*	0.34	ND*	12.61	15.34	24.5	10.23
3	22/05/2020	74.25	38.3	ND*	ND*	ND*	ND*	0.47	ND*	19.62	11.24	18.55	12.66
4	25/05/2020	50.34	20.67	ND*	ND*	ND*	ND*	0.33	ND*	22.65	19.25	22.54	16.38
5	28/05/2020	71.62	21.67	ND*	ND*	ND*	ND*	0.18	ND*	10.25	14.53	20.67	19.57
6	01/06/2020	75.27	40.31	ND*	ND*	ND*	ND*	0.25	ND*	25.32	13.3	17.56	16.35
7	04/06/2020	65.35	26.56	ND*	ND*	ND*	ND*	0.65	ND*	28.31	9.34	27.56	21.81
8	08/06/2020	50.34	21.24	ND*	ND*	ND*	ND*	0.34	ND*	10.31	7.22	14.27	14.52
9	11/06/2020	67.66	30.4	ND*	ND*	ND*	ND*	0.88	ND*	17.58	10.24	20.42	25.5
10	15/06/2020	70.5	36.48	ND*	ND*	ND*	ND*	0.53	ND*	21.66	6.4	29.34	18.65
11	18/06/2020	60.28	33.17	ND*	ND*	ND*	ND*	0.62	ND*	27.69	14.25	21.25	17.68
12	22/06/2020	52.36	24.71	ND*	ND*	ND*	ND*	0.46	ND*	24.31	12.63	25.79	20.23
13	25/06/2020	59.18	31.23	ND*	ND*	ND*	ND*	0.31	ND*	19.26	17.29	19.63	12.32
14	29/06/2020	68.37	39.22	ND*	ND*	ND*	ND*	0.42	ND*	12.62	15.38	23.33	15.67
15	02/07/2020	72.64	42.67	ND*	ND*	ND*	ND*	0.31	ND*	24.55	19.51	30.54	17.31
16	06/07/2020	68.62	18.57	ND*	ND*	ND*	ND*	0.36	ND*	15.34	12.64	26.53	14.52
17	09/07/2020	59.23	24.66	ND*	ND*	ND*	ND*	0.63	ND*	12.32	6.21	15.76	16.21
18	13/07/2020	66.43	34.28	ND*	ND*	ND*	ND*	0.4	ND*	25.44	9.25	18.53	10.12
19	16/07/2020	58.27	31.66	ND*	ND*	ND*	ND*	0.7	ND*	19.25	7.61	14.23	15.37
20	20/07/2020	70.63	32.52	ND*	ND*	ND*	ND*	0.54	ND*	16.24	16.55	27.61	11.66
21	23/07/2020	78.2	27.23	ND*	ND*	ND*	ND*	0.5	ND*	28.67	11.24	20.42	13.45
22	27/07/2020	61.37	25.21	ND*	ND*	ND*	ND*	0.84	ND*	34.53	15.63	31.37	20.36
23	30/07/2020	55.33	20.44	ND*	ND*	ND*	ND*	0.57	ND*	17.55	8.13	16.61	18.15
24	03/08/2020	55.31	23.52	ND*	ND*	ND*	ND*	0.7	ND*	12.66	10.53	19.51	13.4
25	06/08/2020	70.32	38.3	ND*	ND*	ND*	ND*	0.41	ND*	10.35	17.88	23.86	15.5
26	10/08/2020	52.63	19.65	ND*	ND*	ND*	ND*	0.56	ND*	21.28	14.54	28.26	22.68
27	13/08/2020	45.34	16.22	ND*	ND*	ND*	ND*	0.32	ND*	24.55	12.39	22.32	20.43
28	17/08/2020	42.62	26.23	ND*	ND*	ND*	ND*	0.4	ND*	13.24	8.41	17.52	11.37
29	20/08/2020	68.42	15.37	ND*	ND*	ND*	ND*	0.33	ND*	19.46	11.36	15.86	16.36


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30	24/08/2020	63.3	25.28	ND*	ND*	ND*	ND*	0.38	ND*	11.79	13.52	21.58	21.66
31	27/08/2020	51.52	29.55	ND*	ND*	ND*	ND*	0.48	ND*	17.14	16.52	30.25	14.19
32	31/08/2020	41.35	17.68	ND*	ND*	ND*	ND*	0.22	ND*	15.62	9.51	27.32	10.29
33	03/09/2020	78.67	43.49	ND*	ND*	ND*	ND*	0.56	ND*	14.26	9.31	20.59	16.3
34	07/09/2020	67.26	29.47	ND*	ND*	ND*	ND*	0.52	ND*	17.83	15.25	24.28	19.4
35	10/09/2020	50.44	21.53	ND*	ND*	ND*	ND*	0.21	ND*	10.33	18.27	26.27	14.64
36	14/09/2020	61.55	31.23	ND*	ND*	ND*	ND*	0.27	ND*	20.27	14.63	27.35	21.6
37	17/09/2020	52.74	20.33	ND*	ND*	ND*	ND*	0.58	ND*	11.65	6.57	16.55	12.38
38	21/09/2020	40.26	16.54	ND*	ND*	ND*	ND*	0.87	ND*	15.31	10.89	29.29	23.68
39	24/09/2020	69.29	37.38	ND*	ND*	ND*	ND*	0.49	ND*	13.22	16.39	22.68	20.29
40	28/09/2020	58.65	26.33	ND*	ND*	ND*	ND*	0.25	ND*	18.57	7.67	19.26	22.46

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	15/05/2020	72.61	38.38	ND*	ND*	ND*	ND*	0.95	ND*	26.31	16.42	25.62	20.77
2	19/05/2020	92.42	52.22	0.64	ND*	2.64	10.78	0.89	ND*	32.47	18.43	30.51	23.45
3	22/05/2020	87.37	42.43	0.54	ND*	2.56	10.46	0.57	ND*	29.65	22.42	34.33	19.69
4	25/05/2020	71.66	31.63	ND*	ND*	ND*	ND*	0.78	ND*	38.46	17.24	32.64	22.63
5	28/05/2020	86.26	45.65	ND*	ND*	ND*	ND*	0.92	ND*	30.46	20.19	26.34	25.28
6	01/06/2020	91.25	52.35	0.86	ND*	2.56	10.75	0.72	ND*	30.45	19.56	23.67	26.37
7	04/06/2020	84.27	44.64	ND*	ND*	ND*	ND*	0.78	ND*	38.67	24.38	38.42	24.52
8	08/06/2020	64.28	35.22	ND*	ND*	ND*	ND*	0.44	ND*	20.45	17.94	24.4	18.34
9	11/06/2020	79.69	40.55	ND*	ND*	ND*	ND*	0.38	ND*	28.46	23.26	37.52	30.45
10	15/06/2020	82.61	45.35	0.66	ND*	2.32	10.39	0.6	ND*	18.25	16.59	35.25	28.65
11	18/06/2020	72.58	36.26	ND*	ND*	ND*	ND*	0.96	ND*	39.41	20.41	40.49	25.24
12	22/06/2020	88.49	48.57	ND*	ND*	ND*	ND*	0.89	ND*	32.34	18.39	36.22	27.84
13	25/06/2020	78.49	39.37	ND*	ND*	ND*	ND*	0.64	ND*	26.37	21.25	39.24	17.21
14	29/06/2020	83.42	46.33	ND*	ND*	ND*	ND*	0.47	ND*	23.98	25.55	34.53	21.29
15	02/07/2020	77.62	36.3	ND*	ND*	ND*	ND*	0.87	ND*	36.24	21.24	36.53	27.24
16	06/07/2020	56.23	31.55	ND*	ND*	ND*	ND*	0.53	ND*	30.27	8.65	20.26	18.2
17	09/07/2020	76.21	38.28	ND*	ND*	ND*	ND*	0.71	ND*	21.51	15.43	33.3	24.54
18	13/07/2020	93.42	48.57	0.64	ND*	2.34	10.6	0.85	ND*	39.26	18.22	29.46	14.23
19	16/07/2020	53.61	26.31	ND*	ND*	ND*	ND*	0.74	ND*	25.21	13.65	31.24	19.62
20	20/07/2020	81.66	39.54	ND*	ND*	ND*	ND*	0.8	ND*	31.26	23.51	37.62	21.51
21	23/07/2020	74.51	41.24	0.52	ND*	2.16	10.39	0.68	ND*	35.62	16.36	24.34	23.47
22	27/07/2020	88.36	32.16	ND*	ND*	ND*	ND*	0.88	ND*	20.67	19.22	34.37	26.46
23	30/07/2020	79.31	45.33	0.7	ND*	2.56	10.9	0.92	ND*	26.27	22.37	32.43	22.72
24	03/08/2020	75.85	34.59	0.68	ND*	ND*	ND*	0.94	ND*	20.71	17.55	24.23	19.35
25	06/08/2020	87.62	47.47	ND*	ND*	2.68	10.78	0.81	ND*	16.27	20.36	37.22	13.49
26	10/08/2020	72.44	33.36	ND*	ND*	ND*	ND*	0.85	ND*	15.65	24.48	25.66	17.87
27	13/08/2020	58.67	24.84	ND*	ND*	ND*	ND*	0.76	ND*	21.38	22.4	31.34	24.78
28	17/08/2020	65.33	31.53	0.54	ND*	ND*	ND*	0.57	ND*	17.52	10.31	28.52	18.54
29	20/08/2020	80.35	29.47	ND*	ND*	ND*	ND*	0.74	ND*	14.29	21.53	34.32	23.54


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30	24/08/2020	76.52	30.45	ND*	ND*	ND*	ND*	0.45	ND*	24.23	19.5	26.45	28.61
31	27/08/2020	56.84	35.34	0.66	ND*	2.46	10.63	0.37	ND*	28.58	23.8	29.46	22.49
32	31/08/2020	62.42	26.3	ND*	ND*	ND*	ND*	0.63	ND*	18.62	16.61	33.65	16.88
33	03/09/2020	71.54	40.3	0.52	ND*	2.68	10.55	0.79	ND*	23.63	15.71	16.25	21.66
34	07/09/2020	62.44	27.63	ND*	ND*	ND*	ND*	0.9	ND*	26.88	19.55	25.41	23.47
35	10/09/2020	78.33	45.9	0.69	ND*	2.35	10.78	0.66	ND*	30.21	22.47	34.28	19.58
36	14/09/2020	88.63	42.47	ND*	ND*	ND*	ND*	0.48	ND*	25.58	20.33	30.54	26.9
37	17/09/2020	77.52	35.61	ND*	ND*	ND*	ND*	0.94	ND*	34.33	12.38	21.31	27.65
38	21/09/2020	61.23	22.47	ND*	ND*	ND*	ND*	0.65	ND*	27.68	16.32	33.63	18.29
39	24/09/2020	72.67	38.7	ND*	ND*	ND*	ND*	0.81	ND*	19.24	23.43	29.44	24.61
40	28/09/2020	81.26	47.58	0.66	ND*	2.84	10.99	0.54	ND*	29.37	13.89	24.35	15.28

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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4B. GROUND WATER QUALITY MONITORING: -
Table-1.6: Ground Water Quality Results for the period: April, 2020 to September, 2020

Sr. NO.	TEST PARAMETERS	UNIT	GROUND WATER OPEN WELL				
			MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
			30/05/2020	16/06/2020	17/07/2020	28/08/2020	14/09/2020
1	Colour	Hazen	2	2	3	4	2
2	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Taste	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	0.09	0.13	0.25	0.44	0.08
5	pH Value	--	7.85	7.76	7.95	8.03	7.82
6	Total Hardness as CaCO ₃	mg/L	342	358	378	410	340
7	Iron as Fe	mg/L	0.075	0.069	0.11	0.18	0.13
8	Chloride as Cl	mg/L	159	176	194	188	175
9	Residual Free Chlorine	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
10	Fluoride as F	mg/L	0.12	0.18	0.25	0.4	0.52
11	Total Dissolved Solids	mg/L	1584	1693	1742	1941	1728
12	Calcium as Ca	mg/L	70	76	80	90	64.4
13	Magnesium as Mg	mg/L	40.08	40.32	42.72	44.4	43.2
14	Copper as Cu	mg/L	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
16	Sulphate as SO ₄	mg/L	38	56	63	72	58
17	Nitrate Nitrogen as NO ₃	mg/L	0.62	0.74	1.1	0.85	1.06
18	Phenolic compounds as C ₆ H ₅ OH	mg/L	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
20	Cadmium as Cd	mg/L	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
22	Arsenic as As	mg/L	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
24	Lead as Pb	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
25	Zinc as Zn	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
26	Anionic Detergents as MBAS	mg/L	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
28	Mineral Oil	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
29	Alkalinity	mg/L	312	330	361	396	385
30	Aluminum as Al	mg/L	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
32	Pesticides						
32.1	Alachor	µg/l	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
32.3	Aldrin/Dieldrine	µg/l	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
32.5	Beta HCH	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected


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Sr. NO.	TEST PARAMETERS	UNIT	GROUND WATER OPEN WELL				
			MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
			30/05/2020	16/06/2020	17/07/2020	28/08/2020	14/09/2020
32.6	Butachlor	µg/l	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
32.8	Delta HCH	µg/l	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
32.10	DDT (o,p,p,p-Isomers of DDT, DDE & DDD	µg/l	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
32.12	Ethion	µg/l	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
32.14	Isoproturon	µg/l	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
32.16	Methyl Parathion	µg/l	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
32.18	Phorate	µg/l	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
33	Coliform	/100 ml	Absent	Absent	Absent	Absent	Absent
34	E-Coli	/100 ml	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, 2020 to September, 2020

Sr. No.	Parameters	Unit	At Mora Village (Surface Water – Pond)				
			MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
			30/05/2020	16/06/2020	17/07/2020	28/08/2020	14/09/2020
1	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
2	Colour	Hazen	2	2	3	4	15
3	Taste	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	pH Value	--	7.25	7.3	7.11	7.44	7.63
5	Turbidity	NTU	1.25	1.4	1.75	2.45	0.12
6	Total Dissolved Solids	mg/L	681	658	731	698	638
7	Total Hardness as CaCO ₃	mg/L	372	320	301	294	286
8	Chloride as Cl	mg/L	196	178	164	149	124
9	Fluoride as F	mg/L	0.11	0.18	0.25	0.4	0.32
10	Iron as Fe	mg/L	0.058	0.072	0.051	0.025	0.016
11	Coliform	/100 ml	Present	Present	Present	Present	Present
12	E-Coli	/100 ml	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, 2020 to September, 2020

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")									
			MAY-20		JUNE-20		JULY-20		AUG-20		SEP-20	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.28	8.22	8.2	8.11	8.29	8.19	8.25	8.19	8.23	8.15
2	Temperature	°C	30.8	30.5	31.3	30.9	31.5	31.3	31	30.7	30.6	30.4
3	Total Suspended Solids	mg/L	219	190	230	210	256	271	293	271	213	236
4	BOD (3 Days @ 27 °C)	mg/L	3.8	Not Detected	4.2	Not Detected	3.8	Not Detected	4.8	Not Detected	3.9	Not Detected
5	Dissolved Oxygen	mg/L	6	5.8	5.8	5.7	5.9	5.7	5.9	5.5	5.9	5.7
6	Salinity	ppt	31.4	31.9	31.6	31.1	31.8	32	31.6	31.3	30.5	30.9
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	μmol/L	4.5	4.33	6.77	6.18	4.86	4.57	4.28	3.89	3.64	3.4
9	Nitrite as NO ₂	μmol/L	1.49	1.28	1.38	0.94	0.94	0.73	0.53	0.32	0.48	0.32
10	Ammonical Nitrogen as NH ₃	μmol/L	3.36	3.19	2.68	2.1	2.76	2.58	2.36	2.1	2.24	1.98
11	Phosphates as PO ₄	μmol/L	2.58	2.36	1.74	1.38	1.96	1.82	2.19	1.93	2.26	2.14
12	Total Nitrogen	μmol/L	9.35	8.8	10.83	9.22	8.56	7.88	7.17	6.31	6.36	5.7
13	Petroleum Hydrocarbon	μg/L	8.4	Not Detected	7	Not Detected	10.4	Not Detected	8.4	Not Detected	11	Not Detected
14	Total Dissolved Solids	mg/L	32198	32990	33416	32940	33370	33874	33316	32674	32380	32804
15	COD	mg/L	24	Not Detected	21	18	27	20	29.6	20.1	24.9	20
A Phytoplankton												
16.1	Chlorophyll	mg/m ³	3.63	3.31	3.42	2.5	2.67	2.13	2.83	2.29	3.09	2.67
16.2	Phaeophytin	mg/m ³	1.04	1.32	0.73	1.15	2	1.79	1.99	1.52	1.72	1.37
16.3	Cell Count	No.x10 ³ /L	92	62	114	90	136	98	136	86	118	104
16.4	Name of Group Number and name of group species of each group	--	Navicula sp. Rhizosolenia sp. Coscinodiscus sp. Skeletonema sp. Pleurosigma sp.	Navicula sp. Fragillaria sp. Melosira sp. Synedra sp. --	Thalassionema sp. Nitzschia sp. Chaetoceros sp. Rhizosolenia sp.	Navicula sp. Biddulphia sp. Synedra sp.	Thalassiosira sp. Coscinodiscus sp. Rhizosolenia sp. Pleurosigma sp.	Navicula sp. Biddulphia sp. Synedra sp.	Nitzschia sp. Scenedesmus sp. Biddulphia sp. Rhizosolenia sp. Melosira sp.	Navicula sp. Thalassionema sp. Pleurosigma sp.	Biddulphia sp. Nitzschia sp. Coscinodiscus sp. Rhizosolenia sp.	Navicula sp. Thalassionema sp. Synedra sp.

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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")									
			MAY-20		JUNE-20		JULY-20		AUG-20		SEP-20	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
B	Zooplanktons											
17.1	Abundance (Population)	Nox103/100m3	35		36		34		34		32	
17.2	Name of Group Number and name of group species of each group	--	Copepods Polychaetes Bivalves Decapods		Copepods Decapods Polychaetes Foraminiferans		Polychaetes Decapods Mysids		Polychaetes Isopods Crustaeaeans --		Polychaetes Gastropods Decapods	
17.3	Total Biomass	ml/100 m ³	4.05		3.9		3.75		3.75		3.4	
C	Microbiological Parameters											
18.1	Total Bacterial Count	CFU/ml	2040		2120		1980		2230		2160	
18.2	Total Coliform	/ml	Absent		Absent		Absent		Absent		Absent	
18.3	E.coli	/ml	Absent		Absent		Absent		Absent		Absent	
18.4	Enterococcus species	/ml	Absent		Absent		Absent		Absent		Absent	
18.5	Salmonella species	/ml	Absent		Absent		Absent		Absent		Absent	
18.6	Shigella species	/ml	Absent		Absent		Absent		Absent		Absent	
18.7	Vibrio species	/ml	Absent		Absent		Absent		Absent		Absent	

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, 2020 to September, 2020

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")									
			MAY-20		JUNE-20		JULY-20		AUG-20		SEP-20	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.25	8.18	8.27	8.13	8.25	8.2	8.24	8.17	8.23	8.16
2	Temperature	oC	30.9	30.5	31.5	30.8	31.4	31.3	31.1	30.6	30.4	30.1
3	Total Suspended Solids	mg/L	221	187	246	213	261	284	289	263	217	239
4	BOD (3 Days @ 27 °C)	mg/L	3.5	Not Detected	4.3	Not Detected	4	Not Detected	4.5	Not Detected	3.8	Not Detected
5	Dissolved Oxygen	mg/L	6	5.8	5.9	5.7	5.9	5.6	5.8	5.5	5.9	5.7
6	Salinity	ppt	31.2	31.6	31.8	31.3	31.9	32.3	31.7	31.4	30.7	30.9
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	µmol/L	4.16	3.7	6.97	6.13	4.96	4.77	4.31	4.19	3.79	3.51
9	Nitrite as NO ₂	µmol/L	1.38	1.18	1.19	0.9	0.83	0.69	0.62	0.45	0.48	0.34
10	Ammonical Nitrogen as NH ₃	µmol/L	3.26	3.12	2.4	1.83	2.89	2.56	2.17	1.93	2.29	2.1
11	Phosphates as PO ₄	µmol/L	2.34	2.18	1.31	1.14	2.11	1.95	2.36	2.11	2.13	1.98
12	Total Nitrogen	µmol/L	8.8	8	10.56	8.86	8.68	8.02	7.1	6.57	6.56	5.95
13	Petroleum Hydrocarbon	µg/L	11	Not Detected	9.6	Not Detected	11.4	Not Detected	9.74	Not Detected	10.6	Not Detected
14	Total Dissolved Solids	mg/L	32396	32840	33160	32568	33410	33916	33110	32786	32576	32790
15	COD	mg/L	23	Not Detected	25	20	23.6	19.8	27.8	20.4	25.3	20.5
A	Phytoplankton											
16.1	Chlorophyll	mg/m ³	3.57	2.61	3.41	2.45	2.83	2.24	2.93	2.4	3.31	2.88
16.2	Phaeophytin	mg/m ³	0.91	1.46	1.18	1.73	2.18	2.09	2	1.82	1.6	2.05
16.3	Cell Count	No.x10 ³ /L	96	72	124	82	138	90	26.8	18.9	120	94
16.4	Name of Group Number and name of group species of each group	--	Nitzschia sp. Pleurosigma sp. Rhizosolenia sp. Coscinodiscus sp. Biddulphia sp.	Nitzschia sp. Fragillaria sp. Synedra sp. -- --	Nitzschia sp. Rhizosolenia sp. Coscinodiscus sp. Pleurosigma sp.	Navicula sp. Biddulphia sp. Synedra sp.	Nitzschia sp. Rhizosolenia sp. Skeletonema sp. Biddulphia sp.	Nitzschia sp. Synedra sp. Pleurosigma sp. Thallasiosira sp.	Nitzschia sp. Rhizosolenia sp. Thallasionema sp. Fragillaria sp. --	Navicula sp. Coscinodiscus sp. Gyrosigma sp. -- --	Closterium sp. Thallasionema sp. Navicula sp.	Nitzschia sp. Gyrosigma sp. Melosira 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")									
			MAY-20		JUNE-20		JULY-20		AUG-20		SEP-20	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
B	Zooplanktons											
17.1	Abundance (Population)	Nox103/100m3	36		34		31		37		32	
17.2	Name of Group Number and name of group species of each group	--	Polychaetes Ostracods Copepods Decapods		Copepods Decapods Polychaetes Mysids		Polychaetes Gastropods Isopods		Polychaetes Gastropods Crustaceans --		Polychaetes Mysids Gastropods Foraminiferans	
17.3	Total Biomass	ml/100 m ³	3.75		3.95		3.65		3.95		3.25	
C	Microbiological Parameters											
18.1	Total Bacterial Count	CFU/ml	2220		2180		1950		2240		2150	
18.2	Total Coliform	/ml	Absent		Absent		Absent		Absent		Absent	
18.3	E.coli	/ml	Absent		Absent		Absent		Absent		Absent	
18.4	Enterococcus species	/ml	Absent		Absent		Absent		Absent		Absent	
18.5	Salmonella species	/ml	Absent		Absent		Absent		Absent		Absent	
18.6	Shigella species	/ml	Absent		Absent		Absent		Absent		Absent	
18.7	Vibrio species	/ml	Absent		Absent		Absent		Absent		Absent	

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, 2020 to September, 2020

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")									
			MAY-20		JUNE-20		JULY-20		AUG-20		SEP-20	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.21	8.1	8.29	8.13	8.27	8.25	8.28	8.25	8.23	8.17
2	Temperature	°C	30.6	30.4	31.3	30.8	31.4	31.2	31.1	30.7	30.3	30
3	Total Suspended Solids	mg/L	217	198	244	212	260	279	276	259	206	223
4	BOD (3 Days @ 27 °C)	mg/L	3.3	Not Detected	3.9	Not Detected	4.3	Not Detected	4.7	Not Detected	3.9	Not Detected
5	Dissolved Oxygen	mg/L	6	5.8	5.9	5.8	5.8	5.6	5.9	5.6	5.9	5.7
6	Salinity	ppt	31.3	31.9	31.6	31.2	31.7	32.2	31.7	31.5	30.6	30.9
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	μmol/L	4.58	4.31	6.58	6.13	4.89	4.64	4.39	4.12	3.76	3.54
9	Nitrite as NO ₂	μmol/L	1.13	0.89	1.18	0.89	0.83	0.71	0.67	0.4	0.59	0.32
10	Ammonical Nitrogen as NH ₃	μmol/L	3	2.73	2.74	2.3	2.59	2.36	2.48	2.31	2.13	1.96
11	Phosphates as PO ₄	μmol/L	2.17	2	1.98	1.44	1.98	1.75	2.13	1.95	2.36	2.14
12	Total Nitrogen	μmol/L	8.71	7.93	10.5	9.32	8.31	7.71	7.54	6.83	6.48	5.82
13	Petroleum Hydrocarbon	μg/L	10.2	Not Detected	9.8	Not Detected	11.6	Not Detected	9.6	Not Detected	8.1	Not Detected
14	Total Dissolved Solids	mg/L	32268	32968	33194	32698	33406	33870	33129	32984	32480	32768
15	COD	mg/L	19	Not Detected	23	20	26.8	19.1	29.4	19.2	26.7	20
A	Phytoplankton											
16.1	Chlorophyll	mg/m ³	3.04	2.13	3.41	2.88	2.93	2.72	2.72	2.67	2.83	2.13
16.2	Phaeophytin	mg/m ³	1.37	1.79	1.4	2.05	2.2	2.32	2.58	2.41	1.99	1.79
16.3	Cell Count	No.x10 ³ /L	90	70	126	90	144	98	144	106	114	90
16.4	Name of Group Number and name of group species of each group	--	Rhizosolenia sp. Coscinodiscus sp. Nitzschia sp. Skeletonema sp.	Navicula sp. Biddulphia sp. Synedra sp. --	Navicula sp. Coscinodiscus sp. Fragillaria sp. Thalassionema sp.	Nitzschia sp. Chaetoceros sp. Biddulphia sp. Synedra sp.	Coscinodiscus sp. Nitzschia sp. Thalassiosira sp. Biddulphia sp.	Pleurosigma sp. Synedra sp. Navicula sp.	Thalassionema sp. Coscinodiscus sp. Nitzschia sp. Pleurosigma sp.	Nitzschia sp. Fragillaria sp. Biddulphia sp.	Scenedesmus sp. Nitzschia sp. Coscinodiscus sp. Rhizosolenia sp.	Navicula sp. Thalassionema sp. Fragillaria sp. --

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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")									
			MAY-20		JUNE-20		JULY-20		AUG-20		SEP-20	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
B	Zooplanktons											
17.1	Abundance (Population)	Nox103/100m3	39		32		29		31		31	
17.2	Name of Group Number and name of group species of each group	--	Copepods Decapods Polychaetes Bivalves		Polychaetes Decapods Foraminiferans		Polychaetes Gastropods Decapods		Polychaetes Crustaeans Ostracods --		Decapods Polychaetes Gastropods Mysids	
17.3	Total Biomass	ml/100 m ³	4		4.3		3.4		3.4		3.55	
C	Microbiological Parameters											
18.1	Total Bacterial Count	CFU/ml	2160		2170		2110		1950		2150	
18.2	Total Coliform	/ml	Absent		Absent		Absent		Absent		Absent	
18.3	E.coli	/ml	Absent		Absent		Absent		Absent		Absent	
18.4	Enterococcus species	/ml	Absent		Absent		Absent		Absent		Absent	
18.5	Salmonella species	/ml	Absent		Absent		Absent		Absent		Absent	
18.6	Shigella species	/ml	Absent		Absent		Absent		Absent		Absent	
18.7	Vibrio species	/ml	Absent		Absent		Absent		Absent		Absent	

Detection Limit, BOD: 1.0 mg/L, Oil & Grease: 2.0 mg/L, Petroleum Hydrocarbon: 1 µg/L, Nitrite as NO₂: 0.002 mg/L, Pheophytin: 0.1 mg/m³

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



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4E. DUMP POND DISCHARGE WATER QUALITY MONITORING: -
Table-1.11: Dump Pond Water Quality Analysis Results for the Period: April, 2020 to September, 2020

Sr. No.	Parameters	Unit	31/08/2020	31/08/2020
			OLD COAL YARD	PET COCK
1	pH	--	8.12	8.54
2	Total Dissolved Solids	mg/L	2160	2250
3	Total Suspended Solids	mg/L	80	72
4	Turbidity	NTU	18.6	15.2
5	BOD (3 Days @ 27 °C)	mg/L	52	40
6	Dissolved Oxygen	mg/L	6	5.5
7	COD	mg/L	188	142
8	Salinity	ppt	1.86	1.6
9	Oil & Grease	mg/L	Not Detected	Not Detected
10	Total Hardness as CaCO ₃	mg/L	144	128
11	Fluoride as F	mg/L	0.8	0.7
12	Chloride as Cl	mg/L	1152	1090
13	Zinc as Zn	mg/L	0.62	0.58
14	Cadmium as Cd	mg/L	Not Detected	Not Detected
15	Lead as Pb	mg/L	Not Detected	Not Detected
16	Mercury as Hg	mg/L	Not Detected	Not Detected

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, Fluoride: 0.01 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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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, 2020 to September, 2020 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	15/05/2020	01/06/2020	02/07/2020	04/08/2020	--
6:00-7:00	56.3	53.7	54.6	52.5	--
7:00-8:00	55.9	51.8	57.9	54.9	--
8:00-9:00	52.9	52.9	55.3	51.5	--
9:00-10:00	59.4	58.0	59.2	56.1	--
10:00-11:00	63.3	63.1	58.9	60.0	--
11:00-12:00	62.9	57.9	58.0	57.1	--
12:00-13:00	60.2	55.5	57.4	55.3	--
13:00-14:00	64.2	65.4	59.5	64.2	--
14:00-15:00	62.0	64.1	58.5	67.6	--
15:00-16:00	60.3	60.3	61.2	64.9	--
16:00-17:00	58.3	58.5	57.3	58.2	--
17:00-18:00	64.0	63.5	55.8	66.0	--
18:00-19:00	66.5	68.5	55.6	69.6	--
19:00-20:00	56.8	67.4	58.8	68.7	--
20:00-21:00	51.2	52.7	58.1	52.4	--
21:00-22:00	53.6	55.8	53.9	55.6	--

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

Day Time shall mean from 6:00 am to 10:00 pm

Table-1.13: Noise Level Monitoring Results during the Night Time in Leq. dB(A) for the period: April, 2020 to September, 2020 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	15/05/2020 & 16/05/2020	01/06/2020 & 02/06/2020	02/07/2020 & 03/07/2020	04/08/2020 & 05/08/2020	--
22:00-23:00	52.9	50.9	57.9	49.6	--
23:00-00:00	57.0	55.5	58.1	53.7	--
00:00-01:00	54.2	50.4	57.8	55.7	--
01:00-02:00	53.8	51.6	61.1	52.8	--
02:00-03:00	58.1	53.3	58.8	59.0	--
03:00-04:00	50.5	51.1	55.5	54.7	--
04:00-05:00	49.1	48.6	57.5	52.6	--
05:00-06:00	51.5	54.6	55.7	49.3	--

#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-1.14: Ambient Noise Level Monitoring Results during the Day Time in Leq. dB(A) for the period: April, 2020 to September, 2020 At HSE Building Terrace

Sampling Location	2 - HSE Building Terrace				
Longitude Latitude	N 21° 05.043' E 72° 38.491'				
Date of Monitoring	19/05/2020	05/06/2020	08/07/2020	06/08/2020	--
6:00-7:00	51.9	54.9	52.8	57.6	--
7:00-8:00	55.4	56.2	51.9	57.7	--
8:00-9:00	53.8	57.3	51.5	56.9	--
9:00-10:00	52.3	56.8	53.8	50.9	--
10:00-11:00	56.6	60.8	58.3	58.5	--
11:00-12:00	54.4	58.8	51.4	59.7	--
12:00-13:00	52.8	53.5	59.3	54.7	--
13:00-14:00	56.9	59.2	53.6	61.0	--
14:00-15:00	66.3	62.3	56.2	68.0	--
15:00-16:00	65.4	65.1	51.0	62.1	--
16:00-17:00	61.5	60.3	61.0	60.2	--
17:00-18:00	65.1	68.2	54.6	71.0	--
18:00-19:00	63.0	63.1	49.4	60.0	--
19:00-20:00	66.9	61.9	53.7	64.1	--
20:00-21:00	57.6	59.3	48.9	58.0	--
21:00-22:00	57.1	57.8	50.7	55.9	--

#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, 2020 to September, 2020 At HSE Building Terrace

Sampling Location	2 - HSE Building Terrace				
Longitude Latitude	N 21° 05.043' E 72° 38.491'				
Date of Monitoring	19/05/2020 & 20/05/2020	05/06/2020 & 06/06/2020	08/07/2020 & 09/07/2020	06/08/2020 & 07/08/2020	--
22:00-23:00	54.8	51.7	55.4	56.7	--
23:00-00:00	51.3	48.3	59.4	47.4	--
00:00-01:00	48.4	51.8	55.8	52.9	--
01:00-02:00	50.3	47.2	54.4	51.2	--
02:00-03:00	53.8	52.9	43.8	52.4	--
03:00-04:00	51.6	51.9	53.2	50.2	--
04:00-05:00	54.5	52.6	58.9	53.9	--
05:00-06:00	52.6	54.1	56.3	52.5	--

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

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, 2020 to September, 2020 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	22/05/2020	09/06/2020	09/07/2020	10/08/2020	--
6:00-7:00	55.7	56.5	64.7	52.7	--
7:00-8:00	55.6	59.0	65.2	60.2	--
8:00-9:00	65.3	62.2	66.5	66.1	--
9:00-10:00	61.4	60.5	63.9	61.1	--
10:00-11:00	63.7	65.2	62.3	65.3	--
11:00-12:00	66.6	67.5	64.1	67.4	--
12:00-13:00	64.3	67.6	68.9	65.5	--
13:00-14:00	63.4	66.9	69.1	65.1	--
14:00-15:00	69.0	67.2	67.7	66.3	--
15:00-16:00	62.1	68.2	63.6	64.2	--
16:00-17:00	68.7	66.3	69.4	71.1	--
17:00-18:00	65.2	69.3	63.4	67.2	--
18:00-19:00	64.2	67.4	65.5	71.7	--
19:00-20:00	66.3	66.2	58.6	63.8	--
20:00-21:00	58.5	67.1	57.1	64.0	--
21:00-22:00	59.3	58.4	58.7	59.6	--

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

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

Table-1.17: Noise Level Monitoring Results during the Night Time in Leq. dB(A) for the period: April, 2020 to September, 2020 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	22/05/2020 & 23/05/2020	09/06/2020 & 10/06/2020	09/07/2020 & 10/07/2020	10/08/2020 & 11/08/2020	--
22:00-23:00	60.8	62.3	66.6	65.3	--
23:00-00:00	53.9	55.1	63.2	58.4	--
00:00-01:00	57.2	54.0	63.5	52.6	--
01:00-02:00	56.5	59.5	65.7	59.3	--
02:00-03:00	52.3	52.1	64.2	55.5	--
03:00-04:00	54.8	56.4	62.9	50.7	--
04:00-05:00	57.5	54.3	55.8	59.2	--
05:00-06:00	55.4	55.8	59.3	58.7	--

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

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, 2020 to September, 2020 At Container Terminal

Sampling Location	4 - Container Terminal				
Longitude Latitude	N 21° 05.187' E 72° 37.774'				
Date of Monitoring	25/05/2020	11/06/2020	24/07/2020	22/08/2020	--
6:00-7:00	59.1	59.8	59.0	58.8	--
7:00-8:00	64.4	63.0	58.9	61.9	--
8:00-9:00	61.6	62.7	54.3	64.6	--
9:00-10:00	67.5	66.9	61.5	64.8	--
10:00-11:00	64.9	63.5	66.1	66.9	--
11:00-12:00	66.1	67.4	67.4	65.7	--
12:00-13:00	68.5	67.5	69.4	67.9	--
13:00-14:00	66.5	67.0	63.7	72.1	--
14:00-15:00	60.4	61.1	62.8	62.4	--
15:00-16:00	65.3	65.7	64.8	66.6	--
16:00-17:00	67.8	70.5	60.5	71.5	--
17:00-18:00	66.3	64.8	68.2	68.0	--
18:00-19:00	63.5	59.5	62.6	62.7	--
19:00-20:00	69.6	64.3	68.4	65.5	--
20:00-21:00	68.4	69.2	61.8	69.8	--
21:00-22:00	63.0	61.4	68.3	57.9	--

#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-1.19: Noise Level Monitoring Results during the Night Time in Leq. dB(A) for the period: April, 2020 to September, 2020 At Container Terminal

Sampling Location	4 - Container Terminal				
Longitude Latitude	N 21° 05.187' E 72° 37.774'				
Date of Monitoring	25/05/2020 & 26/05/2020	11/06/2020 & 12/06/2020	24/07/2020 & 25/07/2020	22/08/2020 & 23/08/2020	--
22:00-23:00	56.7	56.7	62.3	57.3	--
23:00-00:00	57.4	54.6	59.9	56.8	--
00:00-01:00	53.5	51.3	58.3	54.6	--
01:00-02:00	54.3	53.5	60.6	57.4	--
02:00-03:00	55.6	57.5	59.3	56.7	--
03:00-04:00	54.4	56.6	52.6	58.7	--
04:00-05:00	59.4	56.4	60.5	56.9	--
05:00-06:00	58.5	60.4	63.3	63.4	--

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

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, 2020 to September, 2020 At Hazira Village

Sampling Location	5 - Hazira Village				
Longitude Latitude	N 21° 05.44' E 72° 38.44'				
Date of Monitoring	28/05/2020	15/06/2020	07/07/2020	22/08/2020	--
6:00-7:00	50.8	48.9	44.8	47.0	--
7:00-8:00	54.3	53.3	46.8	57.1	--
8:00-9:00	52.2	52.6	50.1	55.9	--
9:00-10:00	51.2	51.5	53.5	55.5	--
10:00-11:00	55.8	56.1	54.4	58.6	--
11:00-12:00	60.4	59.3	50.3	62.6	--
12:00-13:00	55.3	53.9	55.1	58.2	--
13:00-14:00	54.4	56.2	51.1	57.7	--
14:00-15:00	58.3	57.2	46.1	57.0	--
15:00-16:00	56.4	55.3	46.6	55.4	--
16:00-17:00	51.8	50.2	49.6	49.3	--
17:00-18:00	52.9	53.8	54.5	56.0	--
18:00-19:00	50.9	52.8	53.3	55.1	--
19:00-20:00	53.4	52.9	57.0	52.5	--
20:00-21:00	55.7	52.5	57.3	48.8	--
21:00-22:00	51.4	50.5	59.8	53.0	--
#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-1.21: Noise Level Monitoring Results during the Night Time in Leq. dB(A) for the period: April, 2020 to September, 2020 At Hazira Village

Sampling Location	5 - Hazira Village				
Longitude Latitude	N 21° 05.44' E 72° 38.44'				
Date of Monitoring	28/05/2020 & 29/05/2020	15/06/2020 & 16/06/2020	07/07/2020 & 08/07/2020	22/08/2020 & 23/08/2020	--
22:00-23:00	52.3	49.1	57.9	52.6	--
23:00-00:00	48.8	45.0	58.1	49.8	--
00:00-01:00	46.3	41.9	57.8	39.9	--
01:00-02:00	40.1	43.4	61.1	38.4	--
02:00-03:00	42.3	45.3	58.8	43.6	--
03:00-04:00	46.4	43.2	55.5	44.3	--
04:00-05:00	45.3	42.4	57.5	48.5	--
05:00-06:00	43.6	45.5	55.7	46.4	--
#dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.					
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, 2020 to September, 2020
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	
			JUNE-20	AUG-20	JUNE-20	AUG-20	JUNE-20	AUG-20
1	Particulate Matter	mg/Nm ³	25.62	17.36	20.84	23.41	23.77	20.81
2	Sulphur Dioxide	ppm	8.33	5.41	7.54	8.6	6.23	7.49
3	Oxide of Nitrogen	ppm	35.5	25.64	33.46	30.61	31.73	27.92
4	Carbon Monoxide (CO)	mg/m ³	18.23	14.62	14.94	22.41	17.18	19.85
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)	
			JUNE-20	AUG-20	JUNE-20	AUG-20	JUNE-20	AUG-20
1	Particulate Matter	mg/Nm ³	25.41	--	16.32	14.23	21.58	18.59
2	Sulphur Dioxide	ppm	5.57	--	6.8	5.77	4.61	5.61
3	Oxide of Nitrogen	ppm	36.36	--	32.43	33.69	28.36	31.66
4	Carbon Monoxide (CO)	mg/m ³	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

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

Sr. No.	Parameters	Unit	LT Phase -2 (750 KVA)		ER-1 (100 KVA)	
			JUNE-20	AUG-20	JUNE-20	AUG-20
1	Particulate Matter	mg/Nm ³	24.36	20.32	19.44	15.64
2	Sulphur Dioxide	ppm	7.65	8.22	3.28	4.54
3	Oxide of Nitrogen	ppm	34.84	36.24	26.37	29.51
4	Carbon Monoxide (CO)	mg/m ³	17.18	18.32	5.73	8.02
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)	
			JUNE-20	AUG-20	JUNE-20	AUG-20
1	Particulate Matter	mg/Nm ³	20.47	23.42	22.83	20.36
2	Sulphur Dioxide	ppm	3.66	4.33	6.46	5.81
3	Oxide of Nitrogen	ppm	30.51	29.71	32.71	35.25
4	Carbon Monoxide (CO)	mg/m ³	6.87	9.16	14.89	17.18
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, 2020 to September, 2020

Sr. No.	DG Set Average Noise Level In Leq. dB(A)		
	Sampling Location	At 1 M Distance From The Enclosure	
	Sampling Date	JUNE-20	AUG-20
1.	DG SET TOYO DENKI - 1	71.2	69.5
2.	DG SET TOYO DENKI - 2	73.4	66.8
3.	DG SET TOYO DENKI -3	70.9	67.3
4.	SS-1 LT DG -320 KVA	72.6	--
5.	SS3 -DG -200 KVA	71.5	63.9
6.	LT PHASE -1 (625 KVA)	74.1	71.5
7.	LT PHASE -2 (750 KVA)	73.0	64.2
8.	ER-1 (100 KVA)	72.8	68.8
9.	NDG BUILDING (380 KVA)	71.6	66.4
10.	CUSTOM BUILDING (320 KVA)	70.8	67.3


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4H. SEA SEDIMENT QUALITY MONITORING: -

Table-1.25: Sea Sediment Quality Results of CB2 South End towards Landside for the period: April, 2020 to September, 2020

S. NO.	PARAMETERS	UNIT	CB2 SOUTH END TOWARDS LANDSIDE FROM SEA BASIN (N 21° 5'1.92", E 72°37'56.58")				
			MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
1	Organic Matter	%	0.61	0.53	0.48	0.426	0.38
2	Phosphorus as P	µg/g	628	703	610	596	612
3	Texture	--	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
5	Heavy Metals						
5.1	Aluminum as Al	%	4.13	4.4	4.84	4.69	4.7
5.2	Total Chromium as Cr ⁺³	µg/g	206	183	203	193	168
5.3	Manganese as Mn	µg/g	910	934	956	879	836
5.4	Iron as Fe	%	5.2	4.86	4.7	4.56	4.9
5.5	Nickel as Ni	µg/g	61	50	58	41	58
5.6	Copper as Cu	µg/g	48	32	49	32	39
5.7	Zinc as Zn	µg/g	210	170	167	159	169
5.8	Lead as Pb	µg/g	2.41	1.7	2.14	1.73	2.3
5.9	Mercury as Hg	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms						
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	--	Gastropods Polychaetes Amphipods	Polychaetes Gastropods	Polychaetes Gastropods	Polychaetes Crustaceans --	Polychaetes Gastropods Isopods
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Foraminiferans	Foraminiferans	Nematodes	Nematodes	Foraminiferans
6.3	Population	No./m ²	412	353	441	294	235

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 MP1 West End towards Channel of Sea Basin for the period: April, 2020 to September, 2020

S. NO.	PARAMETERS	UNIT	MP1 WEST END TOWARDS CHANNEL OF SEA BASIN (N 21° 5'9.78", E 72°37'24.48")				
			MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
1	Organic Matter	%	0.71	0.51	0.49	0.41	0.56
2	Phosphorus as P	µg/g	610	693	634	603	580
3	Texture	--	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
5	Heavy Metals						
5.1	Aluminum as Al	%	4.98	4.58	4.87	4.63	4.8
5.2	Total Chromium as Cr ⁺³	µg/g	203	190	212	180	162
5.3	Manganese as Mn	µg/g	916	870	934	834	803
5.4	Iron as Fe	%	4.76	4.8	4.76	4.59	4.76
5.5	Nickel as Ni	µg/g	39	63	57	43	58
5.6	Copper as Cu	µg/g	58	35	44	35	46
5.7	Zinc as Zn	µg/g	208	180	208	169	210
5.8	Lead as Pb	µg/g	2.39	1.56	2.19	1.76	2.34
5.9	Mercury as Hg	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms						
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	--	Crustaceans Gastropods Polychaetes	Polychaetes Crustaceans Bivalves	Polychaetes Gastropods Bivalves	Polychaetes Gastropods --	Polychaetes Decapods Crustaceans
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Nematodes	--	--	Nematodes	Foraminiferans
6.3	Population	No./m ²	353	382	351	292	236

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-1.27: Sea Sediment Quality Results of CB1 End towards Channel for the period: April, 2020 to September, 2020

S. NO.	PARAMETERS	UNIT	CB1 WEST END TOWARDS CHANNEL OF SEA BASIN (N 21° 5'14.67" , E 72°37'40.14")				
			MAY-20	JUNE-20	JULY-20	AUG-20	SEP-20
1	Organic Matter	%	0.73	0.52	0.49	0.42	0.39
2	Phosphorus as P	µg/g	614	714	656	610	584
3	Texture	--	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
5	Heavy Metals						
5.1	Aluminum as Al	%	4.83	4.58	4.78	4.56	4.68
5.2	Total Chromium as Cr ⁺³	µg/g	201	174	216	190	172
5.3	Manganese as Mn	µg/g	930	868	950	876	802
5.4	Iron as Fe	%	4.96	4.6	4.72	4.68	4.9
5.5	Nickel as Ni	µg/g	53	69	59	49	57
5.6	Copper as Cu	µg/g	48	31	43	32	46
5.7	Zinc as Zn	µg/g	170	156	210	173	214
5.8	Lead as Pb	µg/g	2.16	1.7	2.2	1.9	2.28
5.9	Mercury as Hg	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms						
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	--	Crustaceans Polychaetes Molluscans	Crustaceans Polychaetes Bivalves	Polychaetes Gastropods Bivalves	Crustaceans Polychaetes --	Polychaetes Crustaceans Decapods
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Foraminiferans	Nematodes	--	Ostracods	Foraminiferans
6.3	Population	No./m ²	471	324	353	265	231

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



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4I. SOIL QUALITY MONITROING: -

Table-1.28A : Soil Quality Testing Results for the period: April, 2020 to September, 2020

SR. NO.	PARAMETERS	UNIT	NEAR LT CANTEEN PARKING	
			17/06/2020	28/09/2020
1	Type	--	Sandy Loam	Sandy Loam
Grain Size Analysis				
2	Gravel	%	1.8	2
3	Coarse Sand	%	5.2	9
4	Medium Sand	%	21	20
5	Fine Sand	%	48	43
6	Total Sand	%	76	74
7	Silt + Clay	%	24	26
8	pH (1:5)	--	8.57	8.34
9	Electricity Conductivity	µmho/cm	1310	1486
10	Alkali matter	mg/kg	605	630
11	Cation Exchange Capacity	meq/100 gm	14.2	12.4
12	Sodium Absorption Ratio	--	11.8	10.6
13	Organic Matter	mg/kg	0.64	0.62
14	Available Nitrogen	meq/100 gm	0.38	0.46
15	Available Potassium	mg/kg	3.2	4.1
16	Available Phosphorus	mg/kg	0.46	0.32
17	Available Sodium	mg/kg	2.3	3.8
18	Permeability	cm/sec	3.0×10^{-5}	1.0×10^{-7}

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



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Table-1.28B: Soil Quality Testing Results for the period: April, 2020 to September, 2020

SR. NO.	PARAMETERS	UNIT	NEAR PORT GATE NO. 2	
			17/06/2020	28/09/2020
1	Type	--	Sandy Loam	Sandy Loam
Grain Size Analysis				
2	Gravel	%	1.4	1.8
3	Coarse Sand	%	3.6	3.2
4	Medium Sand	%	26	33
5	Fine Sand	%	41	38
6	Total Sand	%	72	76
7	Silt + Clay	%	28	24
8	pH (1:5)	--	8.63	8.43
9	Electricity Conductivity	µmho/cm	1328	1428
10	Alkali matter	mg/kg	530	556
11	Cation Exchange Capacity	meq/100 gm	22.8	20.2
12	Sodium Absorption Ratio	--	10.4	9.8
13	Organic Matter	mg/kg	0.58	0.52
14	Available Nitrogen	meq/100 gm	0.52	0.48
15	Available Potassium	mg/kg	2.6	3.2
16	Available Phosphorus	mg/kg	0.63	0.56
17	Available Sodium	mg/kg	1.9	2.3
18	Permeability	cm/sec	3.5×10^{-5}	1.5×10^{-7}

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



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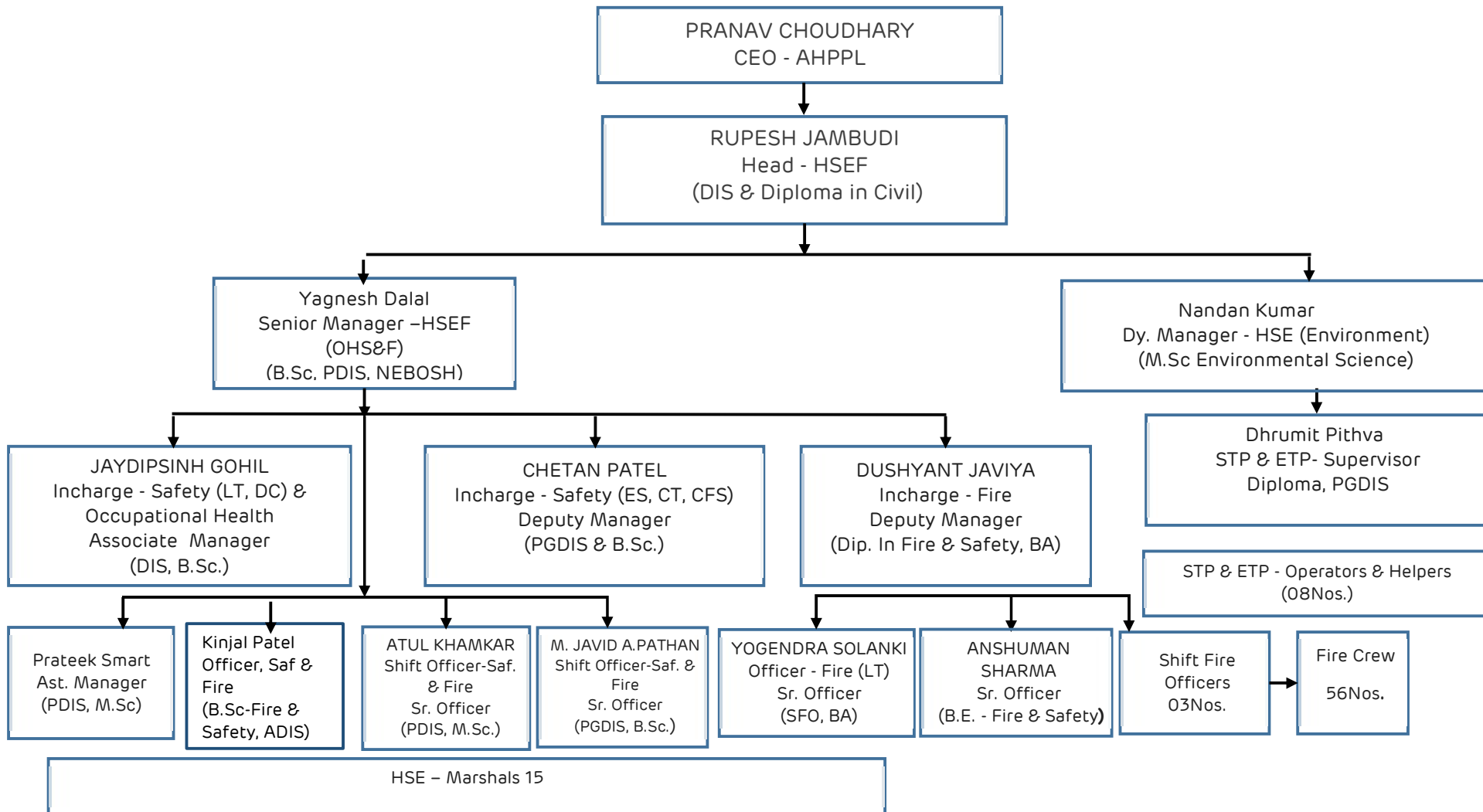
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	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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ANNEXURE-5

DETAILS OF ENVIRONMENTAL MANAGEMENT CELL




Annexure 6

Details of Environment Budget & Expenditure for the last six months of FY 20-21

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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Environment Budget & Expenditure of the last six months April 2020 to September 2020

Sr No	Activities	Budget (In Lacs)-FY 20-21	Expenditure (In Lacs)
1	Salary of Environmental Professionals	17.00	7.00
2	Environmental Study/Audit/Survey/Consultancy Services	47.22	15.2
3	Legal and Statutory Charges	16.00	0.15
4	Environmental Monitoring Services	14.00	4.98
6	Hazardous Waste Management	24.00	3.83
7	Horticulture Development –Greenery and Plantation	139.00	62.00
8	O&M of Sewage Treatment Plant and Effluent Treatment Plant	19.66	10.75
9	Environment Day Celebration and other motivational program	2.00	0.00
10	Treatment & Disposal of Bio medical Waste	0.72	0.84
12	Sprinkling of water in dust suppression	190	92
13	Miscellaneous Environmental Initiatives	5.00	0.00
	Total	474.6	196.75

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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ANNEXURE-7:

Copy of renewed PESO Licence



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

अनुमति नं. (Licence No.): PHQ/GJ/15/5294(P270337)

पीन नंबर (PIN): 394270

M/s. Adani Hazira Ports Pvt Ltd, At & Post Hazira, Taluka: Choriyasi, District: SURAT, State: Gujarat, PIN: 394270 को केलन द्वारा यथा विनिर्दिष्ट वर्ग और मात्रा में पेट्रोलियम 238900.00 KL आयात करने के लिए और उचित, सही वर्गित और अनुमोदित लवण संख्या PHQ/GJ/15/5294 (P270337) तारीख 29/01/2016 जो कि इससे उदाहरण है, में दिखाए गए स्थान पर संग्रहालय के लिए पेट्रोलियम अधिनियम, 1934 के उपबंधों या उसके अंतर्गत बनाए गए नियमों तथा इस अनुमति की अतिरिक्त शर्तों के अधीन रहने हुए, यह अनुमति अनुमोद 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 238900.00 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 PHQ/GJ/15/5294(P270337) dated 29/01/2016 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 अनुमति 31st day of December 2019 तक प्रवृत्त रहेगी।
The Licence shall remain in force till the 31st day of December 2019

पेट्रोलियम का विवरण /Description of Petroleum

अनुमति मात्र (लिसेन्सिटेड)
में /Quantity licensed in KL

वर्ग A प्रमुख पेट्रोलियम /Petroleum Class A in bulk
वर्ग A प्रमुख पेट्रोलियम से भिन्न /Petroleum Class A, otherwise than in bulk
वर्ग B प्रमुख पेट्रोलियम /Petroleum Class B in bulk
वर्ग B प्रमुख पेट्रोलियम से भिन्न /Petroleum Class B, otherwise than in bulk
वर्ग C प्रमुख पेट्रोलियम /Petroleum Class C in bulk
वर्ग C प्रमुख पेट्रोलियम से भिन्न /Petroleum Class C, otherwise than in bulk

-238900.00 KL
NIL
NIL
NIL
NIL
NIL

379900.000
KL

उप मुख्य निरीक्षक, बॉम्बे
MR. CHIEF CONTROLLER OF EXPLOSIVES, BOMBAY

कुल क्षमता /Total Capacity

238900.00 KL

379900.00 KL

October 31, 2019

- 1). Amendment dated - 14/11/2013
- 2). Amendment dated - 24/01/2014
- 3). Amendment dated - 03/07/2014
- 4). Amendment dated - 16/08/2014
- 5). Amendment dated - 03/11/2015
- 6). Amendment dated - 11/12/2015

उप मुख्य निरीक्षक, बॉम्बे
MR. CHIEF CONTROLLER OF EXPLOSIVES, BOMBAY

अनुमति पतिका का विवरण और अवस्थान
DESCRIPTION AND LOCATION OF THE LICENSED PREMISES

अनुमति पतिका जिसकी विन्यास योजनाएं अन्य विनियमों के अनुसार अनुमोदित लवणों 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.

Renewed upto 31/12/2020

R. Ga

कुले उप मुख्य निरीक्षक नियंत्रक
बॉम्बे

148

उप मुख्य निरीक्षक, बॉम्बे
MR. CHIEF CONTROLLER OF EXPLOSIVES, BOMBAY

मशीनबद्ध के पुनर्नवीकरण के लिए स्थान
SPACE FOR ENDORSEMENT OF RENEWALS



पेट्रोलियम अधिनियम, 1934 के उपबन्धों या उनके अर्थों के अन्तर्गत या नियमों या इस अनुमति की शर्तों का उल्लंघन न होने की दशा में यह अनुमति फिर से फिर किसी छुट के दस वर्ष तक मशीनबद्ध की जा सकती है।
This licence shall be renewable without any concession in fee for ten years in the absence of contravention of any provisions of the Petroleum Act, 1934 or of the rules framed thereunder or of any of the conditions of this licence.

नवीकरण की तारीख
Date of
Renewal

समाप्ति की तारीख
Date of
Expiry of licence

अनुमति प्राप्तकर्ता के हस्ताक्षर और
स्टाम्प
Signature and office
licencing authority.

1).

17/12/2016

31/12/2016

Sd/-
Shivchandra D. Mishra
Controller of Explosives
For Dy. Chief Controller of Explosives
Vadodara

2).

04/01/2019


31/12/2019

Sanjay Kumar
Controller of Explosives
For Dy. Chief Controller of Explosives
Vadodara

रम प्रकाश सिन्धीया, एम. ए.
DE, CHIEF CONTROLLER OF EXPLOSIVES, VADODARA


यदि अनुमति परिसर इसकी व्यवस्था विवरण और शर्तों के अनुमति नहीं पाए जाते हैं और जिन नियमों और शर्तों के अन्तर्गत यह अनुमति मंजूर की गई है उनमें से किसी का उल्लंघन होने की दशा में यह अनुमति रद्द की जा सकती है और अनुमतिधारी व्यक्ति अपराध के लिए सजावात करवाया से, जो एक मास तक हो सकता है, या जुर्माने से, जो एक हजार रुपये तक हो सकता है, या दोनों से, और प्रत्येक अपराधकारी अपराध के लिए सजावात करवाया से जो तीन मास तक हो सकता है, या जुर्माने से, जो पांच हजार रुपये तक हो सकता है, या दोनों से, दण्डनीय होगा।

This licence is liable to be cancelled if the licensed premises are not found conforming to the description given on the approved plan attached hereto and contravention of any of the rules and conditions under which this licence is granted and the holder of this licence is also punishable for the first offence with simple imprisonment which may be extend to one month, or with fine which may extend to one thousand rupees, or with both and for every subsequent offence with simple imprisonment which may extend to three months, or with fine which may extend to five thousand rupees or with both.

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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Annexure 8

Details of Liquid/Wastes Collection & Disposed off from Vessels by GPCB Approved Third Party During period

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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Detail of Wastes Collection & Disposed Off From Vessels				
SR No.	Date	Vessel Name	Party Name	Quantity (CBM)
1	05.04.2019	TUG. ALLIANZ PALLADIUM	CHITARAKUT TRADING AND IND.	5.CBM
2	17.05.2019	TUG.MV MEGHNA	CHITARAKUT TRADING AND IND.	2.05 CBM
3	17.05.2019	VISHVA JYOTI	CHITARAKUT TRADING AND IND.	3.CBM
4	21.05.2019	MV ELVIA	CHITARAKUT TRADING AND IND.	6.01 CBM
5	16.06.2019	CYPRESS GALAXY	CHITARAKUT TRADING AND IND.	3.61 CBM
6	03.07.2019	MT EVERRICH 3	CHITARAKUT TRADING AND IND.	2.4 CBM
7	11.07.2019	MV.MEGHNA	CHITARAKUT TRADING AND IND.	5.CBM
8	09.08.2019	CAPTAIN MIKE	HARISH A. PANDYA	7. CBM
9	14.08.2019	MV.MEGHNA	CHITARAKUT TRADING AND IND.	4.CBM
10	20.08.2019	MT.YM SATURN	HARISH A. PANDYA	4.CBM
11	17.09.2019	MV.MEGHNA	CHITARAKUT TRADING AND IND.	3.CBM
12	01.10.2019	MV.GIOVANNI BOTTIGLIERI	CHITARAKUT TRADING AND IND.	3.CBM
13	02.10.2019	MT.EVERRICH 1	CHITARAKUT TRADING AND IND.	2.61CBM
14	20.10.2019	MT.CELSIUS MESSINA	CHITARAKUT TRADING AND IND.	3.2 CBM
15	24.10.2019	MV.MEGHNA	CHITARAKUT TRADING AND IND.	3.CBM
16	04.12.2019	MV.MEGHNA	CHITARAKUT TRADING AND IND.	3.CBM

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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Annexure 9

Copy of Renewed Public Liability Insurance (PLI)

July 25, 2020

Adani Hazira Port Pvt Ltd

At Po Hazira, Choryasi, Surat, Gujarat, Surat, Gujarat-394270

Pan Card Number : AAICA0970E

Dear Customer,

Sub: Business Public Liability Insurance (Under PLI Act 1991) Policy No: 3133201064763105000

We thank you for having preferred us for your *Insurance* requirements. We at HDFC ERGO General Insurance believe "**Insurance**" as not only to be an assurance to indemnify in the event of unfortunate circumstances, but one that signifies protection and support, which you can count on when you need it most.

The Insurance Policy enclosed herewith is a written agreement providing confirmation of our responsibility towards you that puts insurance coverage into effect against stipulated perils.

Please note that the policy has been issued based on the information contained in the proposal form and / or documents received from you or your representative / broker.

Name of the Intermediary: Ace Insurance Brokers Pvt Ltd
Intermediary Code: 21037952

Where the proposal form is not received, information obtained from you or your representative /broker, whether orally or otherwise, is captured in the policy document.

If you wish to contact us in reference to your existing policy and /or other general insurance solutions offered by us, you may write to our correspondence address as mentioned below. Alternatively, you may visit our website www.hdfcergo.com. To enable us to serve you better, you are requested to quote your Policy Number in all correspondences.

Thanking you once again for choosing HDFC ERGO General Insurance Company Limited and looking forward to many more years of association.

Yours sincerely,



Authorised Signatory

Public Liability Insurance (Under PLI Act 1991)

SCHEDULE

Policy No: 3133201064763105000

Item 1.	Insured	:	Adani Hazira Port Pvt Ltd
Item 2.	Producer	:	Ace Insurance Brokers Pvt Ltd
Item 3.	Financial Interest	:	Not Applicable
Item 4.	Mailing address of the Insured	:	At Po Hazira, Choryasi, Surat, Gujarat, Surat, Gujarat, 394270.
Item 5.	Pan Card Number	:	AAICA0970E
Item 6.	Business	:	Port Operation, Cargo Handling, Stevedoring
Item 7.	Policy Period	:	From 00:01 hours : 01 April 2020 To (Midnight) : 31 March 2021
Item 8.	Premium	:	Rs. 19,343.00
Item 9.	Premium & Coverage Statement	:	Refer to Page 2
	9.1 Premium Computation		
	9.2 Insurance Limits & Excess		
Item 10.	Clauses, Conditions & Warranties :		

Form Number	Form Name	Effective Date	Date Issued
PL-02-0032	Policy Schedule	1 April 2020	25 July 2020
PL-02-0031	Insurance Contract	1 April 2020	25 July 2020

Subject otherwise to terms and conditions of Public Liability Insurance Policy.

Signed for and on behalf of HDFC ERGO General Insurance Company Limited, on 25 July 2020



Authorised Signatory

GST Registration No: 24AABCL5045N1ZE. The contract will be cancelled ab intio in case; the consideration under the policy is not realized.

" The stamp duty of ₹ 0.50 paid by Demand Draft, vide Receipt/Challan no. CSD/293/2020/385/2020 dated 24/01/2020 as prescribed in Government of Maharashtra Order No. Mudrank-2017/CR.97/M-1, dated the 09th January 2018".

Note: Where the proposal form is not received, information obtained from insured, whether orally or otherwise, is captured in the policy document. Discrepancies, if any, in the information contained in the policy document may be pointed out by an insured within 15 days from the policy issue date after which information contained in the policy document shall be deemed to have been accepted as correct.

Branch	206, Sec Fl. Shopper Plaza Iv,Opp. Bsnl Tel Exch Rd, Navarangpura Ahmedabad, 380006. Tel.: +91-79-39883600
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Warranties :

Warranted that there are no known losses and /or circumstances leading to losses (except for the claims and / or circumstances already reported to HDFC ERGO General Insurance Co. Ltd.

This policy document is issued basis the information provided though request for quotation and/ or unsigned proposal form and / or other details provided by the insured / insurance intermediary and/ or though discussions and our final quote sheet issued to you enabling the insurer to decide the terms and conditions of insurance contract.

Your are requested to inform us within 15 days of receipt of the policy document in the event of any error or omission in the information provided

Broker Name : Ace Insurance Brokers Pvt Ltd

Broker Code : 21037952

Premium & Coverage Statement

(Item. 9 of Schedule, Attached to and forming part of Policy No: 3133201064763105000)

9.1 Premium Computation

Premium Details	Amount (Rs.)
Net Premium	8,873.00
GST 18% : Central Tax 9% (Rs. 798.57) + State Tax 9% (Rs. 798.43)	1,597.00
Add: Contribution to Environment Relief Fund	8,873.00
Total Premium	19,343.00
Invoice Number :	0072500812661
GSTN :	24AAICA0970E1Z1
Place of Supply	Gujarat
SAC Code	997139

9.2 Insurance Limits & Excess

Insurance Limits

Details	Amount (Rs.)
Each Accident Insurance Limit	50,000,000.00
Aggregate Insurance Limit	150,000,000.00

Excess

Compulsory Excess	Not Applicable
Voluntary Excess	Not Applicable

Public Liability Insurance (Under PLI Act 1991)

1. OPERATIVE CLAUSE

WHEREAS the Insured named in the Schedule hereto and carrying on the business described in the said schedule has applied to HDFC ERGO GENERAL INSURANCE COMPANY LIMITED (hereinafter called 'the Company') for the indemnity hereinafter contained and has made a written proposal and declaration which shall be the basis of this contract and is deemed to be incorporated herein and has paid the premium and statutory contribution towards the Environment Relief Fund as consideration for or on account of such indemnity in accordance with the manner prescribed under Section 64VB of the Insurance Act, 1938 and as per the provisions of the Public Liability Insurance Act and the rules framed there under.

NOW THIS POLICY WITNESSETH that subject to the terms, conditions and exclusions herein contained or endorsed or otherwise expressed herein, to indemnify the Insured or Owner against the statutory liability arising out of accidents occurring during the currency of the policy due to handling of hazardous substances as provided for in the said Act and the Rules framed thereunder.

2. DEFINITIONS

For the purpose of this policy, the following terms shall have the meaning as set forth hereunder:

- (i) "Act" unless otherwise specifically mentioned shall mean the Public Liability Insurance Act 1991 as amended from time to time;
- (ii) "Accident" means an accident involving a fortuitous, sudden or unintentional occurrence while handling any hazardous substance resulting in continuous, intermittent or repeated exposure to death of, or injury to any person or damage to any property but does not include an accident by reason only of war or radioactivity;
- (iii) "Handling" in relation to any hazardous substance means the manufacture, processing, treatment, package, storage, transportation by vehicle, use, collection, destruction, conversion, offering for sale, transfer or the like of such hazardous substance;
- (iv) "Hazardous Substance" and group means any substance or preparation which is defined as hazardous substance under the Public Liability Insurance Act, 1991 and the Rules framed thereunder;
- (v) "Owner" or "Insured" means a person who owns, or has control over handling of any hazardous substance at the time of accident and includes:
 - (a) in the case of a firm, any of its partners
 - (b) in the case of an association, any of its members, and
 - (c) in the case of a company, any of its directors, managers, secretaries or other officers who is/are directly in charge of, and is/are responsible to the company for the conduct of the business of the company;
- (vi) "Turnover" shall mean
 - (a) In case of Manufacturing Units - Entire annual gross sales turnover including all levies and taxes of manufacturing units handling hazardous substance as defined in the Public Liability Insurance Act, 1991. For the purpose of this insurance, the term "Units" shall mean all operations being carried out in the manufacturing complex in one location.
 - (b) In case of Godowns/ Warehouse Owners – Total annual rental receipts of premises handling hazardous substance as defined in the Public Liability Insurance Act, 1991.
 - (c) In case of Transport Operators – Total annual freight receipts

(d) In all other cases – Total annual gross receipts

3. EXCLUSIONS

The Company shall not be liable:

- (i) for any wilful or intentional non-compliance of any statutory requirements;
- (ii) in respect of fines, penalties, punitive and /or exemplary damages;
- (iii) under any law or legislation except in so far as provided for in Section 8 (1) & 8 (2) of the Act;
- (iv) in respect of damage to property owned, leased or hired or under hire purchase or on loan to the Insured or otherwise in the Insured or Owner's control, care or custody;
- (v) for any liability directly or indirectly occasioned by, happening through or in consequence of war, invasion, act of foreign enemy, hostilities (whether war be declared or not) civil war, rebellion, revolution, insurrection or military or usurped power;
- (vi) for any liability directly or indirectly caused by or contributed to by:
 - (a) Ionising radiation or contamination by radioactivity from any nuclear fuel or from any nuclear waste from the combustion of nuclear fuel
 - (b) the radioactive, toxic, explosive or other hazardous properties of any explosive nuclear assembly or nuclear component thereof;
- (vii) for matter outside the scope of Public Liability Insurance Act, 1991.
- (viii) in respect of losses/liability arising outside India.

4. CONDITIONS

- 1) The Insured Owner shall give written notice to the Company as soon as reasonable practicable of any claim made against the Insured Owner or of any specific event or circumstance that may give rise to a claim. The Insured Owner shall immediately give to the Company copies of notice of application forwarded by the Collector and all such additional information and/or assistance that the company may require.
- 2) No admission, offer, promise or payment shall be made or given by or on behalf of the Insured owner under this policy without the written consent of the Company.
- 3) The Company shall not be liable for any claim for relief made after five years from the date of occurrence of the accident.
- 4) The Insured Owner shall keep record of annual turnover, and at the time of renewal of insurance declare such turnover and all other details as may be required by the Company. The Company shall at all reasonable times have full rights to call for and examine such records.
- 5) If at the time of happening of any accident resulting in a claim under the policy there be any other insurance covering the same liability,

Liability Insurance

Public Liability

Form PL-02-0031

Insurance Contract

Page 6 of 10

3133201064763105000

HDFC ERGO General Insurance Company Limited. (Formerly HDFC General Insurance Limited from Sept 14, 2016 and L&T General Insurance Company Limited upto Sept 13, 2016).CIN: U66030MH2007PLC177117. Registered & Corporate Office: 1st Floor, HDFC House, 165 - 166 Backbay Reclamation, H. T. Parekh Marg, Churchgate, Mumbai - 400 020. Customer Service Address: D-301, 3rd Floor, Eastern Business District (Magnet Mall), LBS Marg, Bhandup (West), Mumbai - 400 078. Toll Free Number: 1800 2700 700 Te.: +91 22 6638 3600 | Fax: 91 22 6638 3699 | care@hdfcergo.com | www.hdfcergo.com. UIN : IRDAN125P0002V01200809 IRDAI Reg No.146

then the Company shall not be liable to pay or contribute more than its rateable proportion of such liability.

- 6) The Company may cancel this policy by giving seven days' notice in writing of such cancellation to the Insured's last known address and in such an event the Company will return a pro-rata portion of the premium (subject to a minimum retention of 25 per cent of the annual premium) for the unexpired part of the insurance.

The policy may also be cancelled by the Insured by giving thirty days' notice in writing to the Company, in which event the Company will retain premium at short period scale as set forth in the table below, provided there is no claim under the policy during the Policy Period.

In case of any claim under the policy no refund of premium shall be allowed.

The Company shall have no obligation to give notice that the policy is due for renewal or renew this policy upon expiration or termination.

Table of Short Period Scales	
Period of Risk(Not exceeding)	Premium to be retained by the Company (% of the Annual Rate).
1 week	10%
1 month	25%
2 months	35%
3 months	50%
4 months	60%
6 months	75%
8 months	85%
Exceeding 8 months	Total Annual Premium

- 7) If the Company shall disclaim by the Insured Owner for any claim hereunder and such claim shall not within 12 calendar months from the date of such disclaimer have been made the subject matter of a suit in a competent Court of Law. Then the claim for all practical purpose shall be deemed to have been abandoned and shall not thereafter be recoverable hereunder or be made the subject matter of any suit.
- 8) The Company shall not be liable to make any payment in respect of any claim if such be in any manner fraudulent or support by any person on behalf of the insured Owner and/or if the insurance has been continued in consequence of any material misstatement or non-disclosure of any material information by or on behalf of the Insured Owner. In such a case if the Company pays any amount to the claimant due to any statutory provision such amount shall be recoverable from the Insured Owner.
- 9) The policy and the Schedule shall be read together as one contract and any word or expression to which a specific meaning has been assigned in the Act and the Rules framed there under or this policy shall bear such as specific meaning.
- 10) Any dispute regarding interpretation of the terms, conditions and exceptions of the Policy shall be determined in accordance with the law and practice of a court of competent jurisdiction within India.
- 11) Any person who has a grievance against the Company, may himself or through his legal heirs make a complaint in writing to the Insurance Ombudsman in accordance with the procedure contained in The Redressal of Public Grievance Rules, 1998 (Ombudsman Rules). Proviso to Rule 16(2) of the Ombudsman Rules however, limits compensation that may be awarded by the Ombudsman, to the lower of compensation necessary to cover the loss suffered by the insured as a direct consequence of the insured peril or Rs. 20 lakhs Rupees Twenty Lakhs Only) inclusive of ex-gratia and other expenses. A copy of the said Rules shall be made available by the Company upon prior written request by the Insured.

GRIEVANCE REDRESSAL PROCEDURE

If you have a grievance that you wish us to redress, you may contact us with the details of your grievance through:

- Call Centre (Toll free helpline)
1800 2 700 700 (accessible from any Mobile and Landline within India)
1800 226 226 (accessible from any MTNL and BSNL Lines)
- Emails - grievance@hdfcergo.com
- Designated Grievance Officer in each branch.
- Company Website - www.hdfcergo.com
- Fax : 022 - 66383699
- Courier : Any of our Branch office or corporate office

You may also approach the Complaint & Grievance (C&G) Cell at any of our branches with the details of your grievance during our working hours from Monday to Friday.

If you are not satisfied with our redressal of your grievance through one of the above methods, you may contact our Head of Customer Service at

The Complaint & Grievance Cell ,
HDFC ERGO General Insurance Company Ltd.
D-301, 3rd Floor, Eastern Business District (Magnet Mall),
LBS Marg, Bhandup (West),
Mumbai - 400078. Maharashtra

In case you are not satisfied with the response / resolution given / offered by the C&G cell, then you can write to the Principal Grievance Officer of the Company at the following address

To the Principal Grievance Officer
HDFC ERGO General Insurance Company Limited
D-301, 3rd Floor, Eastern Business District (Magnet Mall),
LBS Marg, Bhandup (West),
Mumbai - 400078. Maharashtra
e-mail: principalgrievanceofficer@hdfcergo.com

You may also approach the nearest Insurance Ombudsman for resolution of your grievance. The contact details of Ombudsman offices are mentioned below if your grievance pertains to:

- Insurance claim that has been rejected or dispute of a claim on legal construction of the policy
- Delay in settlement of claim
- Dispute with regard to premium
- Non-receipt of your insurance document

Names of Ombudsman and Addresses of Ombudsmen Centers	
Jurisdiction	Office Address
Gujarat, Dadra & Nagar Haveli, Daman and Diu	AHMEDABAD. Office of the Insurance Ombudsman, 2nd floor, Ambica House, Near C.U. Shah College, 5, Navyug Colony, Ashram Road, Ahmedabad - 380 014 Tel.: 079 - 27546150 / 27546139 Fax: 079 - 27546142 Email: bimalokpal.ahmedabad@gbic.co.in
Karnataka	BENGALURU - Shri. M. Parshad Office of the Insurance Ombudsman, Jeevan Soudha Building, PID No. 57-27-N-19, Ground Floor, 19/19, 24th Main Road, JP Nagar, 1st Phase, Bengaluru - 560 078. Tel.: 080 - 26652048/ 26652049 Email: bimalokpal.bengaluru@gbic.co.in
Madhya Pradesh, Chattisgarh	BHOPAL - Shri. R K Srivastava Office of the Insurance Ombudsman, Janak Vihar Complex, 2nd Floor, 6, Malviya Nagar, Opp. Airtel Office, Near New Market, Bhopal - 462 003 Tel.: 0755 - 2769201 / 2769202 Fax: 0755 - 2769203 Email: bimalokpal.bhopal@gbic.co.in
Orissa.	BHUBANESHWAR - Shri. B. N. Mishra Office of the Insurance Ombudsman, 62, Forest park, Bhubneshwar - 751 009. Tel.: 0674 - 2596461 / 2596455 Fax: 0674 - 2596429 Email: bimalokpal.bhubaneswar@gbic.co.in
Punjab, Haryana, Himachal Pradesh, Jammu & Kashmir, Chandigarh	CHANDIGARH - Office of the Insurance Ombudsman, S.C.O. No.101, 102 & 103, 2nd Floor, Batra Building, Sector 17 - D, Chandigarh - 160 017. Tel.: 0172 - 2706196 / 2706468 Fax: 0172 - 2708274 Email: bimalokpal.chandigarh@gbic.co.in
Tamil Nadu, Pondicherry Town and Karaikal (which are part of Pondicherry).	CHENNAI - Shri Virander Kumar Office of the Insurance Ombudsman, Fatima Akhtar Court, 4th Floor, 453, Anna Salai, Teynampet, CHENNAI - 600 018 Tel.: 044 - 24333668 / 24335284, Fax: 044 - 24333664 Email: bimalokpal.chennai@gbic.co.in
Delhi	DELHI - Smt. Sandhya Baliga Office of the Insurance Ombudsman, 2/2 A, Universal Insurance Building, Asaf Ali Road, New Delhi - 110 002. Tel.: 011 - 23239633 / 23237532 Fax: 011 - 23230858 Email: bimalokpal.delhi@gbic.co.in
Assam, Meghalaya, Manipur, Mizoram, Arunachal Pradesh, Nagaland and Tripura.	GUWAHATI - Office of the Insurance Ombudsman, Jeevan Nivesh, 5th Floor, Nr. Panbazar over bridge, S.S. Road, Guwahati - 781001 (ASSAM). Tel.: 0361 - 2132204 / 2132205 Fax: 0361 - 2732937 Email: bimalokpal.guwahati@gbic.co.in
Andhra Pradesh, Telangana, Yanam and part of Territory of Pondicherry.	HYDERABAD - Shri. G. Rajeswara Rao Office of the Insurance Ombudsman, 6-2-46, 1st floor, "Moin Court", Lane Opp. Saleem Function Palace, A. C. Guards, Lakdi-Ka-Pool, Hyderabad - 500 004. Tel.: 040 - 65504123 / 23312122 Fax: 040 - 23376599 Email: bimalokpal.hyderabad@gbic.co.in
Rajasthan	JAIPUR - Shri. Ashok K. Jain Office of the Insurance Ombudsman, Jeevan Nidhi - II Bldg., Gr. Floor, Bhawani Singh Marg, Jaipur - 302 005. Tel.: 0141-2740363 Email: Bimalokpal.jaipur@gbic.co.in

Kerala, Lakshadweep, Mahe-a part of Pondicherry.	ERNAKULAM - Shri. P. K. Vijayakumar Office of the Insurance Ombudsman, 2nd Floor, Pulinat Bldg., Opp. Cochin Shipyard, M. G. Road, Ernakulam - 682 015. Tel.: 0484 - 2358759 /2359338 Fax: 0484 - 2359336 Email: bimalokpal.ernakulam@gbic.co.in
West Bengal, Sikkim, Andaman & Nicobar Islands.	KOLKATA - Shri. K. B. Saha Office of the Insurance Ombudsman, Hindustan Bldg. Annexe, 4th Floor, 4, C.R. Avenue, Kolkata - 700 072. Tel.: 033 - 22124339 / 22124340 Fax : 033 - 22124341 Email: bimalokpal.kolkata@gbic.co.in
Districts of Uttar Pradesh : Laitpur, Jhansi, Mahoba, Hamirpur, Banda, Chitrakoot, Allahabad, Mirzapur, Sonbhadra, Fatehpur, Pratapgarh, Jaunpur, Varanasi, Gazipur, Jalaun, Kanpur, Lucknow, Unnao, Sitapur, Lakhimpur, Bahraich, Barabanki, Raebareli, Sravasti, Gonda, Faizabad, Amethi, Kaushambi, Balrampur, Basti, Ambedkarnagar, Sultanpur, Maharajgang, Santkabirnagar, Azamgarh, Kushinagar, Gorkhpur, Deoria, Mau, Ghazipur, Chandauli, Ballia, Sidharathnagar	LUCKNOW - Shri. N. P. Bhagat Office of the Insurance Ombudsman, 6th Floor, Jeevan Bhawan, Phase-II, Nawal Kishore Road, Hazratganj, Lucknow - 226001 Tel.: 0522 - 2231330 / 2231331 Fax: 0522 - 2231310 Email: bimalokpal.lucknow@gbic.co.in
Goa, Mumbai Metropolitan Region excluding Navi Mumbai & Thane.	MUMBAI - Shri. A. K. Dasgupta Office of the Insurance Ombudsman, 3rd Floor, Jeevan Seva Annexe, S. V. Road, Santacruz (W), Mumbai - 400 054. Tel.: 022 - 26106552 / 26106960 Fax: 022 -26106052 Email: bimalokpal.mumbai@gbic.co.in
State of Uttaranchal and the following Districts of Uttar Pradesh: Agra, Aligarh, Bagpat, Bareilly, Bijnor, Budaun, Bulandshahr, Etah, Kanooj, Mainpuri, Mathura, Meerut, Moradabad, Muzaffarnagar, Orayya, Pilibhit, Etawah, Farrukhabad, Firozbad, Gautambodhanagar, Ghaziabad, Hardoi, Shahjahanpur, Hapur, Shamli, Rampur, Kashganj, Sambhal, Amroha, Hathras, Kanshiramnagar, Saharanpur.	NOIDA - Shri. Ajesh Kumar Office of the Insurance Ombudsman, Bhagwan Sahai Palace 4th Floor, Main Road, Naya Bans, Sector 15, Distt: Gautam Buddh Nagar, U.P-201301. Tel.: 0120-2514250 / 2514251 /2514253 Email: bimalokpal.noida@gbic.co.in
Bihar, Jharkhand.	PATNA - Shri. Sadasiv Mishra Office of the Insurance Ombudsman, 1st Floor, Kalpana Arcade Building, Bazar Samiti Road, Bahadurpur, Patna 800 006 Tel.: 0612-2680952. Email: bimalokpal.patna@gbic.co.in
Maharashtra, Area of Navi Mumbai and Thane excluding Mumbai Metropolitan Region.	PUNE - Shri. A. K. Sahoo Office of the Insurance Ombudsman, Jeevan Darshan Bldg., 3rd Floor, C.T.S. No.s. 195 to 198, N.C. Kelkar Road, Narayan Peth, Pune - 411 030. Tel.: 020 - 32341320 Email: bimalokpal.pune@gbic.co.in

TAX INVOICE

Details of Insured		Details of Insurer	
Insured Name	: Adani Hazira Port Pvt Ltd	Insurer Name	: HDFC ERGO General Insurance Company Limited
Correspondance Address	: At Po Hazira, Choryasi, Surat, Gujarat, Surat, Gujarat-394270	Branch Address	: 206, Sec Fl. Shopper Plaza Iv,Opp. Bsnl Tel Exch Rd, Navarangpura Ahmedabad, 380006. Tel.: +91-79-39883600
Billing Address	: At Po Hazira, Choryasi, Surat, Gujarat, Surat, Gujarat-394270	GSTIN	: 24AABCL5045N1ZE
Place of Supply	: Gujarat	Policy No.	: 3133201064763105
State Code	: 24	Certificate No.	: 3133201064763105000
PAN	: AAICA0970E	Invoice No.	: 202599988500000
GSTIN	: 24AAICA0970E1Z1	Policy issue date / Invoice date	: 25/07/2020

Premium Details(Rs.)


S.No.	Description of Services	HSN Code	Premium Amount	CGST		SGST		IGST		Total Tax	Premium Value with
				Tax %	Amount	Tax %	Amount	Tax %	Amount		Tax
1	Public Liability Policy_Basic Premium	9971	8873	9%	798.57	9%	798.43	18%	-	1597	10470
2	Public Liability Policy_Contribution to Environment Relief Fund	9971	8873	-	-	-	-	-	-	-	8873
Total Invoice Value											19343
Total Invoice Value (In Words) Rupees Nineteen Thousand Three Hundred And Forty Three Only											

Whether Tax is payable on Reverse charge basis : No

For HDFC ERGO General Insurance Company Ltd



Authorised signatory

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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Annexure 10

Copy of Environment Statement FY 2019-20

adani

Ports and
Logistics

AHPPL/GPCB/2020-21/04

Date: 29.05.2020

GPCB ID: 35352

To

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

Dear Sir,

Sub.: Environmental Statement in Form-V for the financial year 2019-2020 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(B)/
ID_35352/528583 dated 02.12.2019.

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'2020.

This is for your kind reference and record please.

Thanking You,

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


(Pranav Choudhary)
Authorised Signatory

Encl.: - Environmental Statement in Form-V for the Financial Year: 2019-20.

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 Pvt 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.adani.com



Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.

FORM - V
(See Rule 14)

Environmental Statement for the Financial Year ending 31st March, 2020

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 Pvt. 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	:	15 th July, 2019

PART - B

Water and Raw Material Consumption

(i) Water Consumption:

Water Consumption Cu. Mtr./Day	
Process	Approx. 1114.97 m ³ /day in Firefighting, Dust Suppression, Sprinkling and Washing Activities etc.
Cooling	
Domestic	Approx. 509.74 m ³ /day in Horticulture & 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: 2018-19 is 669819 m ³ in the Dust Suppression, Fire Fighting, Cooling, LT - Washing Activities, Horticulture and Domestic purpose etc. Water	Total Water Consumption during the FY: 2019-20 is 593025 m ³ in the Dust Suppression, Fire Fighting, Cooling, LT - Washing Activities, Horticulture and

Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.

	consumption is 0.0346 M ³ /MT of cargo handling.	Domestic purpose etc. Water consumption is 0.025 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: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.

- The Unit does not carry out any manufacturing process, as it is service industry (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. During the Financial Year: 2019-20 there is no any treated effluent / water discharged to the environment.

There was approx. 70 KL/Day Sewage Generation. The sewage was treated in the Sewage Treatment Plants (STP's) and treated water confirming to prescribe standards was reused in gardening and plantation activities.

PART - D

Hazardous Wastes

(as specified under Hazardous waste (Management and Handling) Rules, 1989

Hazardous Wastes	Total Quantity (Kg. or KL)	
	During the Previous Financial Year	During the Current Financial Year
a) From Process	Quantity of Hazardous Waste generated is given below: Cat.-3.3: Approx. 1010 Kg. of Used Oil Filters. Cat.-5.1: Approx. 41890 Kg. of Used/Spent Oil/Bilge. Cat.-5.2: Approx. 63830 Kg. of Oily Contaminated Cotton & Foam Pigs. Cat.-21.1: Approx. 2350 Kg. of Empty Paint Drums/ Tins. Cat.-33.1: Approx. 560 Kg. of Empty Barrels.	Quantity of Hazardous Waste generated is given below: Cat.-3.3: Approx. 1100 Kg. of Used Oil Filters. Cat.-5.1: Approx. 59670 Kg. of Used/Spent Oil/Bilge. Cat.-5.2: Approx. 78100 Kg. of Oily Contaminated Cotton & Foam Pigs. Cat.-21.1: Approx. 5967 Kg. of Empty Paint Drums/ Tins. Cat.-3.2: Approx. 60600 Kg. of cargo residue containing chemicals.
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	

Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.

(b) From Pollution Control facilities	Nil	
(C-1) Quantity recycled or reutilized within the unit	3.5 MT (Kitchen & Food Waste Convert in to Manure in OWC)	10.314 MT (Kitchen & Food Waste Convert in to Manure in OWC)
(C-2) Sold		
(C-3) Disposed	Approx. 118.815 MT (Garbage Wastes)	Approx. 143.07 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: 2019-20 is approx. 213.44 MT. Out of which approx. 12.88 MT of hazardous waste disposed off at GPCB registered Co-processor at Green Gene Enviro Protection and Infrastructure Limited Chhitorgad, Rajasthan. 134.03 MT of Incinerable hazardous waste disposed off through GPCB authorized CHWIF M/s Saurashtra Enviro Projects Pvt Ltd Kutch. Approx. 66.53 MT of recyclable hazardous waste are sent to GPCB registered recyclers.
- Approx. 59.61 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.
- Approx. 6.92 MT - Empty Paint Drums/Tins were sold out to GPCB registered recycler/refiner at M/s. Jawrawala Petroleum, Ahmedabad.
- Oil contaminated Foam Pig Wastes were generated from various maintenance and operation activities, which were kept in covered hazardous waste storage area. 65.22 MT of Foam Pig Wastes were disposed off through GPCB authorized CHWIF Saurashtra Enviro Projects Pvt Ltd Kutch and 12.88 MT of Oil contaminated Foam pigs was disposed off through CPCB authorized Co-processing/Pre-processing agency M/s Green Gene Enviro Protection Ltd, Chittorgadh (Rajasthan).
- Used Oil filters of 1.10 MT was disposed off through GPCB authorized CHWIF Saurashtra Enviro Projects Pvt Ltd Kutch

Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.

- Cargo residue containing chemicals of 60.60 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. AHPPL 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.
- During the financial year: 2019-20, the total cost incurred on environmental protection measures is enclosed as **Annexure-2**.

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

Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.

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 74.30 hectare till March, 2020.

Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.

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.
- Integrated housekeeping management is undertaken on top priority to maintain neat and clean working environment in the port premises.
- 74.30 ha of Greenbelt is being developed within the port premises.

Date: 25.05.2020



(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: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.

ANNEXURE-1

DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -

Environment Statement In (Form-V) For The FY: 2019-20 Of M/s. Adani Hazira Port Pvt. Ltd.



49. DG SETS STACK EMISSION AND NOISE LEVEL MONITORING :-

Table-L22: DG Sets Stack Monitoring Results for the period: April, 2019 to Sept, 2019

Table-L22 (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	
			MAY-19	AUG-19	MAY-19	AUG-19	MAY-19	AUG-19
1	Particulate Matter	mg/m ³	22.84	19.84	19.57	15.42	21.46	24.58
2	Sulphur Dioxide	ppm	7.77	6.54	6.49	8.49	5.47	9.29
3	Oxide of Nitrogen	ppm	32.84	30.38	29.58	36.44	31.57	33.62
4	Carbon Monoxide (CO)	mg/m ³	8.38	12.49	6.54	11.45	9.59	15.68
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*

Table-L22 (b): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	SS-1 LT DG -320 KVA		SS3 -DG -200 KVA		LT Phase -1 (320 KVA)	
			MAY-19	AUG-19	MAY-19	AUG-19	MAY-19	AUG-19
1	Particulate Matter	mg/m ³	20.61	16.41	21.39	25.68	28.6	24.36
2	Sulphur Dioxide	ppm	3.55	4.42	5.7	6.78	3.42	5.25
3	Oxide of Nitrogen	ppm	32.84	15.62	30.41	28.59	32.37	36.81
4	Carbon Monoxide (CO)	mg/m ³	5.73	9.16	9.18	3.44	4.58	3.73
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*

Table-L22 (c): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	LT Phase -2 (750 KVA)		SR-1 (100 KVA)	
			MAY-19	AUG-19	MAY-19	AUG-19
1	Particulate Matter	mg/m ³	18.3	19.83	24.29	21.58
2	Sulphur Dioxide	ppm	7.29	4.44	4.58	3.85
3	Oxide of Nitrogen	ppm	38.4	34.46	35.38	29.33
4	Carbon Monoxide (CO)	mg/m ³	11.45	10.33	10.35	6.87
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*

Authorized Signatory



* ISO 9001 Approved Lab * Recognized by MOEF, Govt of India (Under Sec. 10 of Environmental Protection Act-1986) * CPCB approved schedule II auditor * ISO 14001 * OHSAS 18001 * ISO 50001

"Pollucon House", Plot No. 5 & 6, Opp. Bafal Industrial Society, Old Shantinath 205 Hill Lane, Near Gajpal Parkan Mart, Navjivan Circle, Vallabha Magdalla Road, Surat-390001, Gujarat, India.

Phone : 0261-2620726, 0261-2620731, 0261-2620735, 07916601174, WEB: www.polluconlab.com, E-mail: pollucon@gmail.com, info@polluconlab.com

**Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.**



Table-L22 (d): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	HDG Building (380 KVA)		Custom Building (320 KVA)	
			MAY-19	AUG-19	MAY-19	AUG-19
1	Particulate Matter	mg/m ³	15.49	22.54	17.84	12.55
2	Sulphur Dioxide	ppm	6.58	3.89	4.49	5.63
3	Oxide of Nitrogen	ppm	34.46	30.5	29.62	33.40
4	Carbon Monoxide (CO)	mg/m ³	8.02	11.45	6.87	5.73
5	Non-Methyle Hydro Carbon (PMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*

Table-L23: DG Sets Noise Level Monitoring Results for the period: April, 2019 to Sept, 2019

Sr. No.	DG Set Average Noise Level In Eq. 48(A)		
	Sampling Location	At 1 M Distance From The Enclosure	
	Sampling Date	MAY-19	AUG-19
1.	DG SET TOYO DENKI - 1	70.4	70.4
2.	DG SET TOYO DENKI - 2	69.8	71.5
3.	DG SET TOYO DENKI -3	68.5	69.8
4.	SS-1 LT DG -320 KVA	62.8	68.9
5.	SS3-DG -320 KVA	64.2	70.8
6.	LT PHASE -1 (625 KVA)	63.4	72.4
7.	LT PHASE -2 (750 KVA)	61.4	67.7
8.	BR-1 (100 KVA)	76.4	68.4
9.	HDG BUILDING (380 KVA)	70.6	69.8
10.	CUSTOM BUILDING (320 KVA)	64.2	70.8

Authorized Signatory

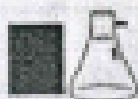


* ISO 9001 Approved Lab * Regulated by MoEF, Govt of India Under Sec. 11 of Environment (Protection) Act-1986 * CPCB approved laboratory & auditor * ISO 14001 * ISO 45001 * ISO 9001

"Pollucon House", Plot No. 8 & 9, Opp. (Gate) Industrial Society, Old Shantinath Silk Mill Lane, Near Gaytri Pansari Mart,
Ranjana Circle, Urdhva Magdalla Road, Surat-395001, Gujarat, India.

Phone : 0261-2638176, 0261-2638177, 0261-2638178, 07914601174, WEB: www.polluconlab.com, E-mail: pollucon@gmail.com, info@polluconlab.com

**Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.**



POLLUCON LABORATORIES PVT. LTD.

46. DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -

Table-L22: DG Sets Stack Monitoring Results for the period: Oct, 2019 to March, 2020

Table-L22 (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	
			NOV-19	FEB-20	NOV-19	FEB-20	NOV-19	FEB-20
1	Particulate Matter	mg/Nm ³	25.82	20.81	19.81	23.74	22.57	18.61
2	Sulphur Dioxide	ppm	8.49	7.5	5.24	6.56	6.86	5.8
3	Oxide of Nitrogen	ppm	34.83	38.55	29.54	36.74	36.94	30.7
4	Carbon Monoxide (CO)	mg/m ³	13.09	14.94	10.69	16.83	14.38	16.08
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table-L22 (b) DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	SS-1 LT DG -320 KVA		SS3 -DG -300 KVA		LT Phase -1 (825 KVA)	
			NOV-19	FEB-20	NOV-19	FEB-20	NOV-19	FEB-20
1	Particulate Matter	mg/Nm ³	19.53	12.74	22.51	18.52	21.26	16.56
2	Sulphur Dioxide	ppm	5.66	6.18	4.5	5.27	4.88	3.39
3	Oxide of Nitrogen	ppm	32.51	34.69	30.34	34.55	29.35	34.34
4	Carbon Monoxide (CO)	mg/m ³	11.45	16.83	18.31	11.45	3.44	5.73
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected

Table-L22 (c) DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	LT Phase -2 (750 KVA)		ER-1 (100 KVA)	
			NOV-19	FEB-20	NOV-19	FEB-20
1	Particulate Matter	mg/Nm ³	16.5	12.65	25.61	23.28
2	Sulphur Dioxide	ppm	5.74	6.68	3.4	5.75
3	Oxide of Nitrogen	ppm	32.53	29.31	27.87	30.87
4	Carbon Monoxide (CO)	mg/m ³	8.02	6.87	5.73	4.58
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected



Authorized Signatory

• PHS/E Approved Lab • Recognized by MoEF, New Delhi Under
Sec. 13 of Environment (Protection) Act-1986

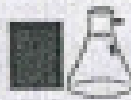
• CPCB approved
as Category II facility

• ISO 14001 : 2004 • ISO 9001 : 2007 • ISO 45001 : 2018

**"Pollucon House", Plot No.5/8, Opp. Bataji Industrial Society, Old Shambhushahi Bldg Main Lane, Near Gayatri Park Mart,
Hawdhan Circle/Udhana Magdalla Road, Surat-394007, Gujarat, India.**

Phone : 0281-2625730, 0281-2625731, 0281-2625735, 07916604774, WEB: www.polluconlab.com, E-mail: pollucon@gmail.com, info@polluconlab.com

**Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.**



POLLUCON LABORATORIES PVT. LTD.

Table-L22 (d): DG Sets Stack Monitoring Results:

Sr. No.	Parameters	Unit	HDG Building (380 KVA)		Custom Building (320 KVA)	
			NOV-19	FEB-20	NOV-19	FEB-20
1	Particulate Matter	mg/m ³	13.47	16.84	15.67	20.41
2	Sulphur Dioxide	ppm	3.19	4.54	4.57	5.43
3	Oxide of Nitrogen	ppm	26.55	28.36	28.63	30.58
4	Carbon Monoxide (CO)	mg/m ³	6.87	9.39	9.16	13.74
5	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected

Table-L23: DG Sets Noise Level Monitoring Results for the period: Oct, 2019 to March, 2020

Sr. No.	DG Set Average Noise Level In Log. dB(A)		
	Sampling Location	At 1 M Distance From The Enclosure	
		NOV-19	FEB-20
1.	DG SET TOYO DEN#1 - 1	68.7	66.6
2.	DG SET TOYO DEN#2 - 2	72.4	67.2
3.	DG SET TOYO DEN#3 -3	68.4	67.8
4.	SS-1 LT DG -320 KVA	67.6	66.6
5.	SS3 -DG -380 KVA	66.9	64.4
6.	LT PHASE -1 (625 KVA)	71.2	70.8
7.	LT PHASE -2 (750 KVA)	64.5	63.9
8.	ER-1 (100 KVA)	70.8	69.5
9.	HDG BUILDING (380 KVA)	68.5	67.4
10.	CUSTOM BUILDING (320 KVA)	69.4	68.5

Authorized Signatory

● ISO9001 Approved Lab ● Recognized by MoEF, New Delhi/Under
Sec. 32 of Environmental Protection Act-1986

● CPCB approved
Schedule II facility

● ISO 14001 : 2015 ● ISO 45001 : 2018 ● ISO 9001 : 2015

"Pollucon Header", Plot No.5/6, Opp.Bangl Industrial Society, Old Shantinagar 5th Mile Lane, Near Gayatri Park Main,
Hauzpur Circle,Indiana Magdalla Road, Surat-395007, Gujarat, India.

Phone : 9261-2605765, 9261-2615761, 9261-2605775, 91086651174, WEB: www.polluconlabs.com, E. mail: pollucon@gmail.com, info@polluconlabs.com

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

Environment Statement In (Form-V) For The FY: 2019-20 Of
M/s. Adani Hazira Port Pvt. Ltd.

ANNEXURE - II

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

Sr No	Activities	Budget (In Lacs)	Expenditure (In Lacs)
1	Salary of Environmental Professionals	17.00	12.85
2	Environmental Study/Audit/Survey/Consultancy Services	21.0	23.8
3	Legal and Statutory Charges	4.00	6.0
4	Environmental Monitoring Services	16.31	14.04
5	Mangrove Afforestation/Plantation and Bio-shielding Pilot Project	4.00	3.973
6	Hazardous Waste Management	31.23	18.763
7	Horticulture Development –Greenery and Plantation	139.57	137.00
8	OBM of Sewage Treatment Plant and Effluent Treatment Plant	19.66	10.75
9	Environment Day Celebration	2.00	2.00
10	Treatment & Disposal of Bio medical Waste	0.72	0.84
11	Construction of additional Hazardous Waste storage Area	43.00	43.00
12	Miscellaneous Environmental Initiatives	5.31	2.75
	Total	303.80	275.766

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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Annexure 11

Copy of letter submitted to the Director MoEFCC RO RO berth

Date: 05.11.2020

To

The Director

Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan, Jorbagh Road
New Delhi – 110003

K.A – Mr. Amardeep Raju

Sub: Change in Location of RO-RO berth based on detailed engineering of M/s Adani Hazira Port Limited– Reg.

Ref: (1) EC Issues by MoEF&CC vide F.No.11-150/2010-IA-III dated 3rd May 2013.
(2) EC issued by MoEF&CC vide F. No. 11-150/2010-IA-III dated 29th September 2020
(3) EIA Notification 2006 and Amendment vide S.O 3518 (E) dated 23rd November 2016

Sir,

Adani Hazira Port Limited (AHPL) previously known Adani Hazira Port Private Limited (AHPPL) as had obtained EC &CRZ clearance for development of Multi cargo port along with supporting utilities and Infrastructure facilities at Hazira, Surat, Gujarat.

The EC &CRZ clearance was granted for development of 12 berths for handling multipurpose cargo including liquid along with storage facilities utilities & supporting infrastructure such as RO-RO terminal, internal roads, rail corridor and others.

At present out of 12 berths 6 are constructed and in operation along with back up storage yard. As per the business requirement RO-RO berth is being developed, after the detailed engineering the location of RO- RO berth is proposed to be changed from the approved location to inside the berth pocket to within the port area. (**Annexure 1**) there will be no change in the approved cargo handling or in pollution load due to the change in location of RO-RO berth. The RO-RO berth location is changed during master planning at detailed engineering stage due the following reasons:

1. In order to keep the turnaround of RO-RO operation to an efficient level, it is essential to ensure that the interface between the RO-RO and approach access from main gate is planned in seamless manner. In Hazira port, the location of RO-RO facility has been chosen adjacent to container berths owing to its proximity to port gate to ensure seamless entry / exit of trucks, cars and passengers.
2. The RO-RO vessel nominated for the proposed project is of length 105m and draws 3.8m loaded draft. This RO-RO vessel is for passengers (by foot), cars and cargo trucks. Considering passenger entry / exit into the RO-RO vessel by foot, it is essential that the proposed RO-RO facility remains calm throughout the duration of stay at berth. Also the RO-RO facility need to be in relatively sheltered location in the port. After careful

assessment, a location adjacent to existing container berths within the berth pocket area has been found to be stable in terms incoming waves from port entrance.

3. The location of RO-RO developed adjacent to container berth is in principle same as compared to old location so far as overall effect of cargo handling and or the pollution load is concerned.

AHPL has valid Consent to Establish from Gujarat Pollution Control Board (GPCB) also Consolidated consent and Authorization (CC&A) has been obtained from GPCB valid up-to 14.04.2022. Also AHPL is regularly submitting EC & CRZ compliance reports to Regional Office (RO) of MoEF&CC at Bhopal. As per the latest compliance report submitted by RO Bhopal to MoEF&CC vide File No. 6-11/2013(ENV)/038 dated 8th January 2019 no Non-compliance was observed.

As per the Notification S.O 3518(E) dated 23rd November 2016 any change in configuration of the plant without change in production or pollution load is to be informed to Ministry of Environment Forest and Climate Change (MoEF&CC) and the concerned State Pollution Control Board.

We request you to kindly consider the submission for change in location of RO-RO berth in line to the provisions under notification as stated above.

Yours Faithfully




Mr. Pranav Choudhary
Chief Executive Officer (CEO)
Adani Hazira Port Limited

Enclosed: As above

Copy to:

1. The Member Secretary, Gujarat Pollution Control Board, Parvayaran Bhawan, Sector-10A, Gandhinagar-382010 (Gujarat).

	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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Annexure 12

**Copy of letter submitted to MoEF&CC regarding disruption of Environmental
Monitoring**

Nandan Kumar

From: Nandan Kumar
Sent: 13 April 2020 15:48
To: rowz.bpl-mef@nic.in
Cc: mefcc.ia3@gmail.com; monitoring-ec@nic.in; chairman-gpcb@gujarat.gov.in; westzonepcb@yahoo.com; brnaidu.cpcb@nic.in; ro-gpcb-sura@gujarat.gov.in; Shalin Shah; Rupesh Jambudi; Harsh Yadav
Subject: Letter regarding intimation of disruption of Environment Monitoring by NABL and MoEFCC approved agency due to COVID 19 -Pandemic
Attachments: RO_MoEF Letter - COVID-19.pdf

Dear Sir,

With reference to the above subject matter, we hereby inform that the monitoring of various environmental attributes such as Ambient Air Quality, Ambient Noise Level, Groundwater, Surface water, Soil, DG stack emission, Sea Sediment and Marine water etc. through a NABL accredited monitoring agency got disrupted due to the pandemic situation of COVID 19 from 23rd March 2020. The engaged agency is not able to continue the service of environment monitoring due to declaration of Lock down by Government authorities.

The environment monitoring will be resumed once the situation improves and in line to Government directives.

Please find attached herewith a letter for the same.

Best Regards,

Nandan Kumar

Dy.Manager – HSE (Environment) | Adani Hazira Port Pvt Ltd

Mob +91 6359897581 | (Extn : 61531) | nandan.kumar@adani.com | www.adani.com

At & PO - Hazira, Choryasi, Surat 394 270, Gujarat, India



Growth
with
Goodness

Our Values: Courage | Trust | Commitment



Ref: AHPPL/ENV/2020-21/01

Date: 13.04.2020

To

Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest and Climate Change,
Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan,
Arera Colony, Link Road-3, Ravishanker Nagar,
Bhopal - 462016 (Madhya Pradesh)
Tel. No.: 0755- 2465054, 2465496, 2466525
Email: rowz.bpl-mef@nic.in

Dear Sir,

Sub.: Disruption in monthly Environment monitoring due to COVID-19 from 23rd March 2020.


With reference to above subject matter, we hereby inform that the monitoring of various environmental attributes such as Ambient Air Quality, Ambient Noise Level, Groundwater, Surface water, Soil, DG stack emission, Sea Sediment and Marine water etc. from 23rd March 2020 through a NABL accredited monitoring agency got disrupted due to the pandemic situation of COVID 19. The engaged agency is not able to continue the service of environment monitoring due to declaration of Lock down by Government authorities.

The environment monitoring will be resumed once the situation improves and in line to Government directives.

Submitted for your kind information and records please.

Thanking you,

For Adani Hazira Port Pvt Ltd,


Rupesh Jambudi
AGM-SE
Cc to:

1. The Director (Monitoring - IA Division), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003.
2. The Director, Forests & Environment Department, Block - 14, 8th Floor, Sachivalaya, Gandhinagar, Gujarat - 382 010.
3. The Zonal Officer, Central Pollution Control Board, Zonal Office Vadodara, Parivesh Bhawan, Opp. VMC Ward Office No.:10, Subhanpura, Vadodra-390 023.
4. The Chairman, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector - 10A, Gandhinagar-382 010 (Gujarat).
5. The Regional Officer, Gujarat Pollution Control Board, Belgium Square, Ring Road, Surat-395003, (Gujarat).

Adani Hazira Port Pvt. Ltd.

At & Post Hazira

Choryashi

Surat 394 270

Gujarat, India

Registered Office: Adani House, Nr Mithakhali Circle, Navrangpura, Ahmedabad 380 009, Gujarat, India

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POLLUCON LABORATORIES PVT. LTD.

Environmental Auditors, Consultants & Analysts
Cleaner Production / Waste Minimization Facilitators



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

To,
M/s. ADANI HAZIRA PORT PVT.LTD.
AT & POST: HAZIRA,
TAL: CHORIYASI,
SURAT, GUJARAT – 394270

SUBJECT :-MONITORING NOT DONE DUE TO COVID -19

Reference: Work order No. 4800041136 dated 01/05/2019

Respected sir ,

I do hope that this will find you in excellent health and spirit, we need them most in this trying times.

Please refer above work order for Environmental Monitoring at **M/s. ADANI HAZIRA PORT PVT.LTD.**

As we all facing recent pandemic situation and due to covid 19 situation and strict lockdown in the month of March, April and May 2020 we could not plan routine environmental monitoring during the period of 23/03/2020 to 14/05/2020.


I do understand the protocols need to be followed and we come across so many hurdles and struggles more so because of the Pandemic. Hope life will come to its normalcy and hopefully soon.

Thanks & Regards,

N. S. Suthar

Pollucon Laboratories Pvt. Ltd.
Nandlal Suthar – Projects Manager
Chem. Engineer
Mob. No. - 70165 22360



	Adani Hazira Port Private Limited	From: April 2020 to September 2020
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Annexure 13

Copy of letter submitted to RO (WZ) MoEF&CC reply of their query

o/c

adani

Ports and
Logistics

Ref: AHPPL/20-21/Env/MoEFCC-04

Date: 26-09-2020

To,
Dr. S. K Lal
Scientist -C
Regional Office, Western Region,
Kendriya Paryavaran Bhavan
Link Road No-3, Ravi Shankar Nagar,
Bhopal 462015

Sub: Environment and CRZ Clearance for development of Multi Cargo Port with supporting utilities and infrastructure facilities at Hazira, Surat, Gujarat by M/s Adani Hazira Port Pvt Ltd - Reg.

Ref: 1. Ministry's letter No. 11-150/2010-IA III dated 03.05.2013
2. Our E mail dated 25.05.2020 reg
3. MoEF & CC, RO, Western Region, Letter-F.NO-6-11-2013(Env)/629 dated-03-09-2020

Sir,

With reference to Letter-F.NO-6-11-2013(Env)/629 dated-03-09-2020, as directed by your good office to submit following additional details regarding six monthly EC compliance (Oct 2019- March 2020).

The additional details are as under-

Sr No.	Information Required	Details
1	9. Copy of forest clearance	Stage I clearance, In principal approval is obtained and copy attached as Annexure A
2	10. Copy of EC Advertisement published in the local Newspaper	Copy of Advertisement in National daily and regional daily newspapers are attached as Annexure B

Thanking you.

With regards,



Nandini Kumar
Dy. Manager, HSE (Environment)
Adani Hazira Port Ltd
Hazira Surat 394720

Adani Hazira Port Ltd
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Choryashi
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Ministry of Environment, Forest & Climate Change
राष्ट्रीय पर्यावरण, वन्य जीवों का संरक्षण
Ministry of Environment, Forest & Climate Change
राष्ट्रीय पर्यावरण, वन्य जीवों का संरक्षण

05/10/2020
कार्यालय/OFFICE
पर्यावरण, वन्य जीवों का संरक्षण
Ministry of Environment, Forest & Climate Change
राष्ट्रीय पर्यावरण, वन्य जीवों का संरक्षण
Ministry of Environment, Forest & Climate Change