



Ports and  
Logistics

Letter No.: APPPL-EHS/MOEF RO/EC Comp (III)

Date: 27.11.2021

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

Dear Sir,

**Sub.:-** Six Monthly Compliance Report of Environment and CRZ Clearance for the period from **April, 2021 to September, 2021**

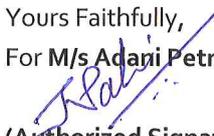
**Ref.:-** 1) Environmental and CRZ Clearances granted to M/s. Adani Petronet (Dahej) Port Pvt Ltd for **Phase-III** vide letter dated 14/10/2016 bearing F. No.: 11-37/2007-IA-III.  
2) CRZ Clearance / Recommendation issued by Department of Environment & Forest, GoG for **Phase-III** vide letter dated 14/03/2016 bearing No.: ENV-10-2015-171-E.

Please find enclosed herewith point wise compliance report of conditions stipulated in the above referred letters.

Thanking you,

Yours Faithfully,

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

  
(Authorized Signatory)

**Copy to:**

1. Add. Secretary, Ministry of Environment, Forest and Climate Change, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal - 462016 (Madhya Pradesh)
2. The Director (Monitoring-IA Division), Ministry of Environment, Forest & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003.
3. The Director, Forest and Environment Department, Block-14, 8<sup>th</sup> Floor, Sachivalaya, Gandhinagar, Gujarat-382 010.
4. The Zonal Officer, Central Pollution Control Board, Zonal Office Vadodra, Parivesh Bhawan, Opposite VMC Ward office No. 10, Subhanpura, Vadodra-390 023.
5. The Chairman, Gujarat Pollution Control Board, Parvayaran Bhawan, Sector-10A, Gandhinagar-382010 (Gujarat).
6. The Regional Officer, Gujarat Pollution Control Board, Bharuch (Gujarat).

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

Tel +91 2641 285002  
+91 2641 285019  
info@adani.com  
www.adaniports.com



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

**From: April, 2021**

**To : Sept. 2021**

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

**FOR**

**DEVELOPMENT OF MULTI CARGO PORT TERMINAL**

**AT**

**DAHEJ, DISTRICT: BHARUCH, GUJARAT**

**(FOR THE PERIOD: APRIL, 2021 TO SEPTEMBER, 2021)**

**BY**

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

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

**DISTRICT: BHARUCH, GUJARAT- 392130**



**LIST OF APPENDIXES**

| <b>S. No</b> | <b>Details</b>   |
|--------------|--|
| 1            | Environmental and CRZ Clearances for Phase-III issue by MOEF&CC vide letter dated 14/10/2016 bearing F. No.: 11-37/2007-IA-III                             |
| 2            | CRZ Clearance / Recommendation issued by Department of Environment & Forest, GoG for Phase-III vide letter dated 14/03/2016 bearing No.: ENV-10-2015-171-E |

### **List of Annexure**

- Annexure 1** : Action take report on PH points
- Annexure 2** : CSR Report from April, 2021 to September, 2021
- Annexure 3** : Environment Monitoring Report
- Annexure 4** : Compliance Status of EMP As Per EIA Report
- Annexure 5** : Green Belt development plan
- Annexure 6** : Environmental Budget & Expenditure for FY 2021-2022
- Annexure 7** : Environment Management Cell

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

| Sr. no. | Conditions   | Status/Action taken   |
|---------|--|---|
| (i)     | 'Consent for Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.  | <b>Complied.</b><br>Consent to Establish (CTE) was obtained from Gujarat Pollution Control Board vide no 111311 dated 22.02.2021, valid up to 07.07.2023.   |
| (ii)    | Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area. | <b>Complied.</b> <ul style="list-style-type: none"> <li>All the construction activities are being carried out as per the provisions of CRZ notification 2011 and EIA notification 2006.</li> <li>No construction work other than those permitted in Coastal Regulation Zone Notification has been carried out in Coastal Regulation Zone area.</li> </ul>   |
| (iii)   | The Project proponent shall ensure that there shall be no damage to the existing mangroves patches near site and also ensure the free flow of water to avoid damage to the mangroves.  | <b>Being Complied</b><br>There is no damage to Mangrove due to project activity. Free flow to the mangroves near the project area is maintained.  |
| (iv)    | The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.  | <b>Complied.</b> <ul style="list-style-type: none"> <li>APDPPL ensured no creeks and rivers are blocked due to project activity.</li> </ul>   |
| (v)     | Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring reports.                      | <b>Complying with.</b> <ul style="list-style-type: none"> <li>No marine construction activities are carried out on marine front after September, 2019.</li> <li>Reclamation of the area is being done as per the approval received.</li> <li>There is no dumping of any material outside the project area towards the shore.</li> <li>National Institute of Ocean Technology, Chennai has carried out study on shoreline changes in the vicinity of Dahej Port.</li> <li>As per the report on shoreline change analysis using high-resolution satellite images. Since 2011 deposition along the northern sector, erosion along southern sector and almost stable along the southeastern sector is observed. The seasonal and yearly shoreline changes indicates the dynamic nature of the coastline.</li> <li>Report of shoreline change analysis was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 23.11.2019.</li> </ul> |
| (vi)    | The commitments made during the  | <b>Complied.</b>  |

| <b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b> |   |  |
|---|---|--|
| <b>Sr. no.</b>  | <b>Conditions</b>   | <b>Status/Action taken</b>   |
|   | Public Hearing and recorded in the Minutes shall be complied with letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.  | All the commitments made during the public hearing have been complied with. An action taken report is enclosed as <b>Annexure 1</b> .  |
| (vii)   | All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster management Plan shall be strictly complied with.  | <p><b>Being Complied</b></p> <ul style="list-style-type: none"> <li>All conditions stipulated in the EC and CRZ clearances are being complied with. A separate six monthly compliance report is being submitted to MoEF&amp;CC and other authorities.</li> <li>All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied.</li> <li>Copy of the status of EMP recommendations is enclosed as <b>Annexure 4</b>.</li> <li>APDPPL has a well-defined DMP and regular mock drills are being conducted. DMP is also reviewed at regular interval. Last Mock drill was conducted on 29.10.2021. Last revision in the DMP was done on 01.05.2020. Disaster Management Plan is submitted to District collector, Mamlatdar (Disaster) and Gujarat Maritime Board, Bharuch, vide letter no. APDPPL/EHS/DMP/Rev-07/2020-21, 123 &amp; 124 dated 20.01. 2021.</li> </ul> |
| (viii)  | The material for reclamation shall be sourced only through Government approved quarry. The quarried material shall be free from all kinds of contamination and high organic carbon contents. The same should be tested prior to reclamation.                        | <p><b>Being Complied</b></p> <p>All the material for reclamation is procured through approved agency. It has been ensured that Material used for reclamation is free from high organic carbon contents.</p>  |
| (ix)  | The coal shall be stored only in designated stock yard with dust control measures viz. wind screen of height at least 2 m above the coal stock, made of fabric/HDPE, water sprinkler arrangement, green belt of at least three layers of suitable trees and scrubs. | <p><b>Being Complied</b></p> <p>Coal being stored at designated stock yard with dust control measures viz. wind screen made of steel of height at least 2 m above the coal stock, water sprinkler arrangement, green belt of suitable trees and scrubs.</p> <p><b>Dust control measures details:-</b></p> <ul style="list-style-type: none"> <li>APDPPL has installed wind breaking wall for dust pollution control in the open coal yard. The wind breaker wall is a porous perforated barrier. At the back of the wall, a low-velocity zone is formed. It effectively reduces the average wind speed, thereby prevents dust from moving, and achieves the purpose of dust suppression. The benefits include.</li> </ul>  |

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

| Sr. no. | Conditions   | Status/Action taken  |
|---------|--|--|
|         |  | <ul style="list-style-type: none"> <li>➤ Reduction of coal losses in open yard</li> <li>➤ Saves water for dust suppression</li> <li>➤ Improves the living conditions of local residents</li> <li>➤ Improves the working conditions of the on-site staff</li> </ul> <p>Wind break walls have been erected around the coal stock pile area at a height of 14 m from the ground level. The length, width and thickness of each galvanized sheet based wind break metal shield are about 2950 mm, 1250 mm and 0.7 mm respectively. The aperture is round shaped and diameter of each aperture is about 3.5 to 4 mm. The aperture occupies 30 - 40% of a wind break sheet. Several wind break metal sheets are connected together, and have been fitted in structural beams to control the wind carryover of the dust from the stock piles. An amount of 58 crore is spent by APDPPL in erecting and marinating the wind breaking wall around the coal yard</p> <ul style="list-style-type: none"> <li>• APDPPL has constructed 10 KM long fully mechanized closed conveyor belt with water sprinkling facility for transfer of coal from North Jetty to coal yard and also from coal yard to the rail wagon loading area at a cost of 150 crore. This closed conveyor system reduces the coal dust generation significantly             <ul style="list-style-type: none"> <li>• APDPPL has installed a truck tyre washing system within the port premises, which washes the tyre of trucks exiting the port area.</li> <li>• Green belt is being developed in an area of 22.68 ha including periphery of the project boundary. The green belt has been developed with plantation of native species and species which helps in creating a barrier for coal dust movement.</li> </ul> </li> </ul> |
| (x)     | The coal from the ships shall be conveyed through closed conveyor to the coal stock yard. The conveyor shall be seamless without joints/transfer points. | <p><b>Noted for Compliance.</b></p> <p>Mechanization of South Berth is yet to be implemented. After project completion coal will be transported through closed conveyor to the coal stock yard from south berth also. The alignment of the conveyer will be based on the engineering</p>   |

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

| Sr. no. | Conditions   | Status/Action taken  |
|---------|--|--|
| (xi)    | The dust from the roads shall be periodically cleaned and dust suppression by water spray be carried out.                        | <p>requirement to meet the objectives.</p> <p><b>Being Complied</b><br/>Regular road cleaning both inside and outside the port premises is a continuous activity carried out by below two methods. The road sweeping by both methods is carried out till 3 Km from the port main gate on the main road leading to Dahej by APDPPL.</p> <p><b>Road cleaning by sweeping machine:</b> APDPPL, have 02 nos. of large capacity road sweeping machine and one tractor sweeping machine. Truck mounted Industrial Vacuum Cleaning Machines have road cleaning capacity substantially as the storage capacity of the chassis mounted vacuum machine are 04 tone/ hour each which allow rapid collection of spillage, dust and subsequent disposal.</p> <p><b>Manual Road Cleaning:</b> In addition to the sweeping machine APDPPL has employed labour for continuous cleaning of roads both inside and outside the port area. It is done by three team consisting of 5 members each. All the coal dust collected is sent to the coal yard.<br/>Regular water sprinkling is carried out by two mobile water tankers.</p> |
| (xii)   | The mangrove plantation of 50 ha shall be under taken in consultation with Gujarat Ecology Commission / State Forest Department. | <p><b>Complied.</b><br/>Mangrove afforestation has been carried out in an area of 400 ha Phase I &amp; II (200 Ha for both). And additional 50 Ha for Phase –III. Details of the same are given below. .</p> <ol style="list-style-type: none"> <li>1. 100 ha near village Dandi, Dist Surat– 2011</li> <li>2. 50 ha near village Jakhau, Dist Kutch – 2011</li> <li>3. 50 ha near Padri bit, Dist Bhavnagar – 2011</li> <li>4. 200 ha near Malpur, Ta. Jambusar – 2013-14 (Done as compliance to Phase –I &amp; II EC &amp;CRZ clearance)</li> <li>5. 50 ha Devjagan/Nada Ta. Jambusar – 2017 – 18 (Done as compliance to Phase –III EC &amp;CRZ clearance)</li> </ol>  |

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| Sr. no.  | Conditions  | Status/Action taken  |          |   |             |  |  |  |
|----------|---|--|----------|---|-------------|--|--|--|
|          |   | <p>Reports of 400 Ha Mangrove afforestation (Developed in Phase I &amp; II Project) were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I &amp; II) dated 28.11.2017</p> <p>The mangrove plantation (Phase –III) of 50 ha has been completed at Village Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise Limited (SAVE). Report of 50 ha Mangrove Plantation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 29/05/2019.</p>  |          |   |             |  |  |  |
| (xiii)   | <p>Cargo shall be unloaded directly into hopper from the ship and transported to the stack yards through closed conveyor system only. Inbuilt dust suppression systems shall be provided at hoppers and all the transfer points / storage yards. Cargo shall not be unloaded directly onto the berth. Water meters shall be provided at different locations to record the consumption of water used for dust suppression and daily log shall be maintained.</p> | <p><b>Being Complied</b></p> <ul style="list-style-type: none"> <li>At mechanized berth of APDPPL, cargo is handled through conveyor system. Material handling system is equipped with Dry Fog Dust Suppression System. Coal storage yard is equipped with dust suppression system.</li> <li>After mechanization of south berth, desired pollution control measures shall made as a part of material handling system.</li> </ul>   |          |   |             |  |  |  |
| (xiv)    | <p>Disposal sites for excavated material should be so designed that the revised land use after dumping and changes in the land use pattern do not interfere with the natural drainage</p>   | <p><b>Being Complied</b></p> <p>All the construction activities are as per the approval received under CRZ notification 2011 and EIA notification 2006. During Project (Phase III) implementation, it will be ensured that there shall not be any interference with the natural drainage of the area.</p>  |          |   |             |  |  |  |
| (xv)     | <p>The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.</p>  | <p><b>Complied.</b></p> <p>Ground water is not tapped in CRZ area for the project. Water requirement is being met through GIDC water supply.</p>   |          |   |             |  |  |  |
| (xvi)    | <p>Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.</p>  | <p><b>Complied.</b></p> <p>Sewage generated from port is being treated in designated STP of 80KL/Day Capacity. Treated water is used for horticultural purposes. Quality of treated water confirm to the standard laid down by Gujarat Pollution Control Board.</p> <table border="1" data-bbox="862 1818 1505 1959"> <thead> <tr> <th data-bbox="870 1824 1024 1856">Capacity</th> <th data-bbox="1032 1824 1333 1959">Quantity of Wastewater (Avg. from April, 2021 to September, 2021)</th> <th data-bbox="1341 1824 1497 1887">Type of STP</th> </tr> </thead> <tbody> <tr> <td data-bbox="870 1873 1024 1953"></td> <td data-bbox="1032 1873 1333 1953"></td> <td data-bbox="1341 1873 1497 1953"></td> </tr> </tbody> </table> | Capacity | Quantity of Wastewater (Avg. from April, 2021 to September, 2021) | Type of STP |  |  |  |
| Capacity | Quantity of Wastewater (Avg. from April, 2021 to September, 2021)   | Type of STP  |          |   |             |  |  |  |
|          |   |  |          |   |             |  |  |  |

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

| Sr. no.                | Conditions   | Status/Action taken  |          |             |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |
|------------------------|--|--|----------|-------------|---|--|------------|------|-----|-----|-------------|----|---|------|------|----------|-----|------|----|----|----|--------------------|------|-----|----|----|------------------------|------|-----|-----|----------|--------------|------|-----|-----|---|
|                        |  | 80KLD  | 18.75KLD | MBR         | <p>The treated water from STP is being utilized on land for horticulture purpose within port premises after achieving permissible norms prescribed in CCA order. Summary of STP treated water analysis results during compliance period from April 2021 to September, 2021 as mentioned below.</p> <table border="1" data-bbox="854 611 1515 911"> <thead> <tr> <th>Parameters</th> <th>Unit</th> <th>Min</th> <th>Max</th> <th>Perm. Limit</th> </tr> </thead> <tbody> <tr> <td>PH</td> <td>-</td> <td>7.01</td> <td>7.78</td> <td>6.5- 8.5</td> </tr> <tr> <td>TSS</td> <td>mg/L</td> <td>15</td> <td>28</td> <td>30</td> </tr> <tr> <td>BOD(3 Days @ 27 °C</td> <td>mg/L</td> <td>9.7</td> <td>16</td> <td>20</td> </tr> <tr> <td>Residual Free Chlorine</td> <td>mg/L</td> <td>0.6</td> <td>0.8</td> <td>0.5(Min)</td> </tr> <tr> <td>Oil &amp; Grease</td> <td>mg/L</td> <td>3.1</td> <td>5.8</td> <td>-</td> </tr> </tbody> </table> <ul data-bbox="854 917 1515 1094" style="list-style-type: none"> <li>• The monitoring results of the treated wastewater from STP for the period from April, 2021 to September, 2021 are enclosed as <b>Annexure –3F</b>.</li> <li>• APDPPL regularly submits report to State Pollution Control Board.</li> </ul> |  | Parameters | Unit | Min | Max | Perm. Limit | PH | - | 7.01 | 7.78 | 6.5- 8.5 | TSS | mg/L | 15 | 28 | 30 | BOD(3 Days @ 27 °C | mg/L | 9.7 | 16 | 20 | Residual Free Chlorine | mg/L | 0.6 | 0.8 | 0.5(Min) | Oil & Grease | mg/L | 3.1 | 5.8 | - |
| Parameters             | Unit   | Min  | Max      | Perm. Limit |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |
| PH                     | -  | 7.01   | 7.78     | 6.5- 8.5    |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |
| TSS                    | mg/L   | 15   | 28       | 30          |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |
| BOD(3 Days @ 27 °C     | mg/L   | 9.7  | 16       | 20          |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |
| Residual Free Chlorine | mg/L   | 0.6  | 0.8      | 0.5(Min)    |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |
| Oil & Grease           | mg/L   | 3.1  | 5.8      | -           |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |
| (xvii)                 | All the operational areas will be connected with the network of liquid waste collection corridor comprising of storm water, oily waste and sewage collection pipelines.  | <p><b>Complied.</b><br/>There is no liquid effluent generation during construction and operation of project. Separate storm water drain network have been provided. Domestic effluent is being transported from generation point to STP in close type Gully Men vehicle. Dedicated Hazardous waste storage area has been provided for collection and storage of Hazardous waste.</p> |          |             |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |
| (xviii)                | Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation , mangroves and other marine biodiversity components as part of the management plan. | <p><b>Complied.</b><br/>Marine ecology is being monitored through NABL accredited &amp; MoEF&amp;CC recognized laboratory M/s Pollucon Laboratories, Surat. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of April, 2021 to September, 2021 are enclosed as <b>Annexure 3C and 3D</b>.</p>                             |          |             |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |
| (xix)                  | The marine ecology management plan being drawn up with regards to the environmental impacts of natural disasters, oil spills and other wastes, dredging and dumping on marine ecology (all micro, macro and mega biotic components) shall be                         | <p><b>Being Complied</b></p> <ul data-bbox="854 1740 1515 1944" style="list-style-type: none"> <li>• No waste or dredged material is dumped so as to disturb the marine ecology</li> <li>• Marine ecology is being monitored through NABL accredited &amp; MoEF&amp;CC recognized laboratory M/s Pollucon Laboratories, Surat. Reports show that there are no significant</li> </ul> |          |             |   |  |            |      |     |     |             |    |   |      |      |          |     |      |    |    |    |                    |      |     |    |    |                        |      |     |     |          |              |      |     |     |   |

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

| Sr. no. | Conditions   | Status/Action taken  |
|---------|--|--|
|         | scrupulously implemented. It shall be ensured that the marine ecology in the area of influence is not adversely affected.  | changes in the marine ecology indicators. Reports for the period of April, 2021 to September, 2021 are enclosed as <b>Annexure 3C and 3D.</b>  |
| (xx)    | Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.  | <b>Complied.</b><br>Marine ecology is being monitored through M/s Pollucon Laboratories, a NABL accredited and MoEF&CC recognised laboratory. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of April, 2021 to September, 2021 are enclosed as <b>Annexure 3C and 3D.</b>   |
| (xxi)   | Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.   | <b>Complied.</b> <ul style="list-style-type: none"> <li>• Oil Spill Contingency Plan is submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012.</li> <li>• Resubmitted Oil Spill Contingency plan prepared and submitted to The chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi &amp; Coast Guard, Gandhinagar for verification vide letter dated 27.07.2018</li> <li>• Request letter for approval of Oil Spill Contingency plan submitted to The chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi &amp; Coast Guard, Gandhinagar vide letter dated 16/09/2020</li> <li>• There is no Oil spill reported during the compliance period of April 2021 to September 2021</li> <li>• Periodic Mock drills are conducted. Latest mock drill was conducted on 29.10.2021.</li> </ul> |
| (xxii)  | All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report. | <b>Being Complied</b><br>All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as <b>Annexure 4.</b>  |
| (xxiii) | Ships/barges/vessels shall not be allowed to release any oily bilge waste or ballast water in the sea. Any effluents from the Jetty which have leachable characteristics shall be  | <b>Being Complied</b><br>There is no discharge of oily bilge waste or ballast water in the sea within port limit. APDPPL is not accepting any kind of Hazardous Waste from ships/vessels.  |

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| Sr. no.  | Conditions   | Status/Action taken  |
|----------|--|--|
|          | segregated and recycled/ disposed as per SPCB guidelines. Ships/vessels calling at the jetty shall not dump waste/bilge water during the berthing period.  |  |
| (xxiv)   | Location of DG sets and other emission generating equipment shall be decided keeping in view the predominant wind direction so that emissions do not effect nearby residential areas. Installation and operation of DG sets shall comply with the guidelines of CPCB.                        | <p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• The D.G set are only used in case of power failure</li> <li>• DG sets are installed as per the approval. Monitoring of DG set Stack emission &amp; noise is being carried out by M/s Pollucon Laboratories, a NABL accredited and MoEF&amp;CC recognised laboratory.</li> <li>• Test reports of emission from DG sets are enclosed as <b>Annexure 3H.</b></li> </ul>  |
| (xxv)    | All the mechanized handling systems and other associated equipment's such as hoppers, belt conveyors, stacker cum reclaimers shall have integrated dust suppression systems. Dust suppression systems shall be provided at all transfer point.   | <p><b>Being Complied</b></p> <ul style="list-style-type: none"> <li>• APDPPL has constructed 10 KM long fully mechanized closed conveyor belt with water sprinkling facility for transfer of coal from North Jetty to coal yard and also from coal yard to the rail wagon loading area at a cost of 150 crore. This closed conveyor system reduces the coal dust generation significantly.</li> <li>• After mechanization of south berth, desired pollution control measures shall be made as a part of material handling system.</li> </ul> |
| (xxvi)   | No product other than permitted under the CRZ Notification, 2011 shall be stored in the CRZ area.  | <p><b>Complied.</b></p> <p>APDPPL is handling Multi cargo mainly coal and other bulk cargos at designated storage areas as per approval &amp; CRZ notification 2011.</p>   |
| (xxvii)  | The quality of treated effluents, solid wastes, emissions and noise levels and the like, from the project area must conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986. | <p><b>Complied.</b></p> <ul style="list-style-type: none"> <li>• Details regarding STP are given in point number-XVI (Refer above point) Monitoring Reports for the period of April, 2021 to September, 2021 is enclosed as <b>Annexure 3.</b></li> </ul>  |
| (xxviii) | All the mitigation measures suggested in the EIA report and the marine environment study of CWPRS, Pune shall be implemented. The compliance for each of these measures shall be submitted to concerned SPCB and R.O. of this Ministry along with six monthly compliance reports.            | <p><b>Being Complied</b></p> <ul style="list-style-type: none"> <li>• All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied.</li> <li>• Copy of the status of EMP recommendations is enclosed as <b>Annexure 4</b></li> </ul>  |
| (xxix)   | It shall be ensured by the Project   | <p><b>Complied.</b></p>  |

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

| Sr. no.  | Conditions   | Status/Action taken   |
|----------|--|---|
|          | Proponent that the activities does not cause disturbance to the fishing activity, movements of fishing boats and destruction to mangroves during the construction and operation phase.   | There is no commercial fishing in the area. Free access to the "Pagadiya" fishermen is available. There is no impact on fishermen livelihood due to project activity.   |
| (xxx)    | The Project Proponent shall take up and earmark adequate fund for socio-economic development and welfare measures as proposed under the CSR Programme. This shall be taken up on priority.   | <b>Complied.</b><br>The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same for the period of April, 2021 to September, 2021 is attached as <b>Annexure – 2.</b>  |
| (xxxii)  | The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.   | <b>Complied.</b><br>APDPPL has a well-structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as <b>Annexure – 7.</b>   |
| (xxxii)  | The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.   | <b>Complied.</b><br><ul style="list-style-type: none"> <li>• Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of revenue budget for Environment Cell for the FY 2021-22 was approx. Rs. 374.6 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as <b>Annexure –6.</b></li> </ul>  |
| (xxxiii) | The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.  | <b>Being Complied</b><br>All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as <b>Annexure – 4.</b>   |
| (xxxiv)  | Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system, measures to be taken for protection. One set of environmental manual shall be made available at the project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office. | <b>Complied</b> <ul style="list-style-type: none"> <li>• APDPPL has prepared operating manual for all activities and is certified for ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018, ISO 50001:2018, ISO 28000:2007.</li> <li>• Complete set of operating manual is available at site.</li> <li>• Regular awareness sessions are organized for each level of employee as per the training need identification (TNI) done by HR department.</li> <li>• All the schedules and results of environmental monitoring are available at EHS department at project site.</li> </ul> |
| (xxxv)   | Corporate Social Responsibility:   | <b>Being Complied</b>   |

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

| Sr. no.                       | Conditions   | Status/Action taken  |
|-------------------------------|--|--|
|                               | <p>a. The Company shall have a well laid down Environment Policy approved by the Board of Directors.</p> <p>b. The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/ deviation/violation of the environmental or forest norms/ conditions.</p> <p>c. The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.</p> <p>d. To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.</p> | <ul style="list-style-type: none"> <li>• Company has an Environment Policy.</li> <li>• All the requirements mention in the condition are being met through Environment Management System (ISO 14001:2015).</li> <li>• The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions (Environment Cell Organogram) is enclosed as <b>Annexure – 7</b>.</li> <li>• APDPPL has form a management review committee-comprising of various heads of departments and chaired by site head. This review committee meets once in six months to review and monitor EHS performance of the site. All action items are being recorded and implemented.</li> </ul> |
| <b>B. General Conditions.</b> |  |  |
| i                             | Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.  | <p><b>Being Complied</b></p> <p>No digging activities carried out during the compliance period. Two Piezometers have been installed at different locations inside port. Regular monitoring of ground water level &amp; quality is being done through M/s Pollucon Laboratories, a NABL accredited and MoEF&amp;CC recognised laboratory. Copies of reports are enclosed as <b>Annexure 3B</b>.</p>   |
| ii                            | Full support shall be extended to the officers of this Ministry/ Regional Office at Bhopal by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.  | <p><b>Being Complied</b></p> <ul style="list-style-type: none"> <li>• APDPPL is regularly submitting six monthly compliance reports which comprises of Compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports etc.</li> <li>• Whenever any authorities such as MoEF&amp;CC, GPCB and GMB etc. visit the APDPPL full support is extended and APDPPL provides all additional information seek by them during the inspection.</li> <li>• No officer of MoEF&amp;CC, regional office Bhopal</li> </ul>   |

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

| Sr. no. | Conditions   | Status/Action taken  |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
|---------|--|--|-------|-------------------|--------------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|--------------------|------------|
|         |  | and CPCB visited the site during the compliance period. <ul style="list-style-type: none"> <li>• Latest visit of Gujarat Pollution Control Board was on 06.09.2021</li> </ul>  |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| iii     | A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bhopal regarding the implementation of the stipulated conditions.  | <p><b>Noted and Complied.</b></p> <p>APDPPL is regularly submitting six monthly compliance reports, which comprises of compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports and EMP Status etc.</p> <p>Last compliance report was submitted vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 24.05.2021 in soft copy via mail dated 24.05.2021. Please refer below for the details regarding past 7 compliance submissions.</p> <table border="1" data-bbox="862 926 1505 1266"> <thead> <tr> <th data-bbox="870 932 919 995">S. No</th> <th data-bbox="927 932 1235 995">Compliance Period</th> <th data-bbox="1243 932 1497 995">Date of Submission</th> </tr> </thead> <tbody> <tr> <td data-bbox="870 1005 919 1037">1</td> <td data-bbox="927 1005 1235 1037">Apr'17 to Sep'17</td> <td data-bbox="1243 1005 1497 1037">28.11.2017</td> </tr> <tr> <td data-bbox="870 1047 919 1079">2</td> <td data-bbox="927 1047 1235 1079">Oct'17 to Mar'18</td> <td data-bbox="1243 1047 1497 1079">28.05.2018</td> </tr> <tr> <td data-bbox="870 1089 919 1121">3</td> <td data-bbox="927 1089 1235 1121">Apr'18 to Sep'18</td> <td data-bbox="1243 1089 1497 1121">23.11.2018</td> </tr> <tr> <td data-bbox="870 1131 919 1163">4</td> <td data-bbox="927 1131 1235 1163">Oct'18 to Mar'19</td> <td data-bbox="1243 1131 1497 1163">29.05.2019</td> </tr> <tr> <td data-bbox="870 1173 919 1205">5</td> <td data-bbox="927 1173 1235 1205">Apr'19 to Sep'19</td> <td data-bbox="1243 1173 1497 1205">20.11.2019</td> </tr> <tr> <td data-bbox="870 1215 919 1247">6</td> <td data-bbox="927 1215 1235 1247">Oct'19 to Mar'20</td> <td data-bbox="1243 1215 1497 1247">20.05.2020</td> </tr> <tr> <td data-bbox="870 1268 919 1299">7</td> <td data-bbox="927 1268 1235 1299">Apr'20 to Sep'20</td> <td data-bbox="1243 1268 1497 1299">25.11.2020</td> </tr> <tr> <td data-bbox="870 1310 919 1341">8</td> <td data-bbox="927 1310 1235 1341">Oct' 20 to Mar' 21</td> <td data-bbox="1243 1310 1497 1341">24.05.2021</td> </tr> </tbody> </table> | S. No | Compliance Period | Date of Submission | 1 | Apr'17 to Sep'17 | 28.11.2017 | 2 | Oct'17 to Mar'18 | 28.05.2018 | 3 | Apr'18 to Sep'18 | 23.11.2018 | 4 | Oct'18 to Mar'19 | 29.05.2019 | 5 | Apr'19 to Sep'19 | 20.11.2019 | 6 | Oct'19 to Mar'20 | 20.05.2020 | 7 | Apr'20 to Sep'20 | 25.11.2020 | 8 | Oct' 20 to Mar' 21 | 24.05.2021 |
| S. No   | Compliance Period  | Date of Submission   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| 1       | Apr'17 to Sep'17   | 28.11.2017   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| 2       | Oct'17 to Mar'18   | 28.05.2018   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| 3       | Apr'18 to Sep'18   | 23.11.2018   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| 4       | Oct'18 to Mar'19   | 29.05.2019   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| 5       | Apr'19 to Sep'19   | 20.11.2019   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| 6       | Oct'19 to Mar'20   | 20.05.2020   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| 7       | Apr'20 to Sep'20   | 25.11.2020   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| 8       | Oct' 20 to Mar' 21   | 24.05.2021   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| iv      | Ministry of Environment, Forest and Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with | <p><b>Noted and Agreed.</b></p>  |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| v       | The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.   | <p><b>Noted &amp; Agreed.</b></p>  |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |
| vi      | In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest and Climate Change.   | <p><b>Complied</b></p> <p>There is no change in the implementation of project profile/agency.</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  | <p><b>Complied</b></p> <ul style="list-style-type: none"> <li>• Financial closure date for the project is 29/10/2014.</li> <li>• Consent for establish was obtained from Gujarat</li> </ul>  |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                    |            |

| <b>Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Multi Cargo Port Terminal Phase – III</b> |   |  |
|---|---|--|
| <b>Sr. no.</b>  | <b>Conditions</b>   | <b>Status/Action taken</b>   |
|   | authorities and the date of start of land development work.   | Pollution Control Board vide no 111311 dated 22.02.2021, valid up to 07.07.2023.<br><ul style="list-style-type: none"> <li>Start of land development (23 Ha. reclamation) work 17.10.2017.</li> </ul>  |
| viii  | A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.  | <b>Complied</b><br>Copy of the clearance letter is submitted to concern Panchayat/ local NGO by hand and by register speed post. Copy of the acknowledgement and receipt of speed post were submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III), dated 28.11.2017.  |
| ix  | A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days   | <b>Complied</b><br>This condition does not belong the project proponent, however, APDPPL has submitted request letter along with a copy of environment clearance letter for display to Gujarat Pollution Control Board, District Industries Centre and Collector's Office vide letter dated 27.10.2016.  |
| 11  | These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter. | <b>Noted &amp; Agreed</b>  |
| 12  | All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.                      | <b>Complied</b><br><ul style="list-style-type: none"> <li>For storage of HSD approval has been taken from PESO vide letter no P/WC/GJ/14/3668(P221616) and valid up to 31.12.2022 for the Class B Petroleum. Copy of the HSD license submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III), dated 25.11.2020 and there is no further change.</li> <li>EC Clarence from MOEF was obtained vide letter no. vide letter dated 14/10/2016 bearing F. No.: 11-37/2007-IA-III. Fire NOC: Not Applicable.</li> <li>Civil Aviation: Not Applicable.</li> <li>Permission under Wildlife (Protection) Act, 1972: Not Applicable.</li> </ul> |
| 13  | The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which  | <b>Complied</b><br><ul style="list-style-type: none"> <li>Environment clearance letter is published in "Indian Express" and "Gujarat Guardian"</li> </ul>  |

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

| Sr. no. | Conditions   | Status/Action taken  |
|---------|--|--|
|         | shall be in the vernacular language informing that the project has been accorded Environmental and CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <a href="http://www.envfor.nic.in">http://www.envfor.nic.in</a> . The advertisement should be made within Seven days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal. | <p>newspapers on dated 25<sup>th</sup> October 2016 which is within 7 days of from the date of the receipt of clearance letter.</p> <ul style="list-style-type: none"> <li>• Copy of advertisement has been submitted to Regional Office MOEF on 28<sup>th</sup> October 2016 vide letter no APDPPL/MOEF-RO/01/2016. Copy of the same was submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III), dated 28.11.2017.</li> </ul>   |
| 14      | This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.   | <b>Noted.</b>  |
| 15      | Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.   | <b>Complied.</b><br>The status of environment clearance conditions is available on company website that i.e. <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a>  |
| 16      | Any appeal against this Clearance shall lie with the National 18 Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of The National Green Tribunal, Act, 2010.  | Noted.   |
| 17      | A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.  | <b>Complied</b> <ul style="list-style-type: none"> <li>• Copy of the clearance letter is submitted to concerned Panchayat, Zila Parisad, local body and the local NGO by hand and registers speed post. Copy of the acknowledgement and receipt of speed post was submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) , dated 28.11.2017. Copy of environment clearance is also available on company website i.e. <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a></li> </ul> |
| 18      | The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and  | <b>Complied</b><br>Compliance report of EC conditions is uploaded regularly. <ul style="list-style-type: none"> <li>• Last Compliance report including results of</li> </ul>   |

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

| Sr. no. | Conditions  | Status/Action taken  |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |
|---------|---|--|-------|-------------------|--------------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|
|         | <p>shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEFCC, the respective Zonal Office of CPCB and the SPCB.</p>  | <p>monitoring data for the period of October, 2020 to March, 2021 was submitted to MoEF&amp;CC, New Delhi, Regional Office of MoEF&amp;CC, Bhopal, Zonal Office of CPCB, Baroda, GPCB, Gandhinagar and RO Office, GPCB, Bharuch etc. vide letter no APPPL-EHS/MOEF RO/EC Comp (III) dated 24.05.2021 in soft copy via mail dated 24.05.2021</p> <ul style="list-style-type: none"> <li>• Compliance reports along with monitored data are available on company website i.e. <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a></li> <li>• Same is being regularly submitted to concerned authorities.</li> <li>• Please refer below for the details regarding past 7 compliance submissions.</li> </ul> <table border="1" data-bbox="857 842 1508 1188"> <thead> <tr> <th data-bbox="862 848 935 911">S. No</th> <th data-bbox="940 848 1243 911">Compliance Period</th> <th data-bbox="1248 848 1503 911">Date of Submission</th> </tr> </thead> <tbody> <tr> <td data-bbox="862 917 935 949">1</td> <td data-bbox="940 917 1243 949">Apr'17 to Sep'17</td> <td data-bbox="1248 917 1503 949">28.11.2017</td> </tr> <tr> <td data-bbox="862 955 935 987">2</td> <td data-bbox="940 955 1243 987">Oct'17 to Mar'18</td> <td data-bbox="1248 955 1503 987">28.05.2018</td> </tr> <tr> <td data-bbox="862 993 935 1024">3</td> <td data-bbox="940 993 1243 1024">Apr'18 to Sep'18</td> <td data-bbox="1248 993 1503 1024">23.11.2018</td> </tr> <tr> <td data-bbox="862 1031 935 1062">4</td> <td data-bbox="940 1031 1243 1062">Oct'18 to Mar'19</td> <td data-bbox="1248 1031 1503 1062">29.05.2019</td> </tr> <tr> <td data-bbox="862 1068 935 1100">5</td> <td data-bbox="940 1068 1243 1100">Apr'19 to Sep'19</td> <td data-bbox="1248 1068 1503 1100">20.11.2019</td> </tr> <tr> <td data-bbox="862 1106 935 1138">6</td> <td data-bbox="940 1106 1243 1138">Oct'19 to Mar'20</td> <td data-bbox="1248 1106 1503 1138">20.05.2020</td> </tr> <tr> <td data-bbox="862 1144 935 1176">7</td> <td data-bbox="940 1144 1243 1176">Apr'20 to Sep'20</td> <td data-bbox="1248 1144 1503 1176">25.11.2020</td> </tr> <tr> <td data-bbox="862 1182 935 1213">8</td> <td data-bbox="940 1182 1243 1213">Oct'20 to Mar'21</td> <td data-bbox="1248 1182 1503 1213">24.05.2021</td> </tr> </tbody> </table> | S. No | Compliance Period | Date of Submission | 1 | Apr'17 to Sep'17 | 28.11.2017 | 2 | Oct'17 to Mar'18 | 28.05.2018 | 3 | Apr'18 to Sep'18 | 23.11.2018 | 4 | Oct'18 to Mar'19 | 29.05.2019 | 5 | Apr'19 to Sep'19 | 20.11.2019 | 6 | Oct'19 to Mar'20 | 20.05.2020 | 7 | Apr'20 to Sep'20 | 25.11.2020 | 8 | Oct'20 to Mar'21 | 24.05.2021 |
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| 2       | Oct'17 to Mar'18  | 28.05.2018   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |
| 3       | Apr'18 to Sep'18  | 23.11.2018   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |
| 4       | Oct'18 to Mar'19  | 29.05.2019   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |
| 5       | Apr'19 to Sep'19  | 20.11.2019   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |
| 6       | Oct'19 to Mar'20  | 20.05.2020   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |
| 7       | Apr'20 to Sep'20  | 25.11.2020   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |
| 8       | Oct'20 to Mar'21  | 24.05.2021   |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |
| 19      | <p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEFCC by email.</p> | <p><b>Complied</b></p> <ul style="list-style-type: none"> <li>• Environment statement regularly being submitted to Gujarat Pollution Control Board. Last statement was submitted dated 28.05.2021. Copy of environment statement is also available on company website i.e. <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a></li> <li>• Same has been sent by email to RO, GPCB, Bharuch, MS, GPCB(Gandhinagar) Regional office, Bhopal, MoEF &amp; CC on 24.05.2021.</li> </ul>  |       |                   |                    |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |   |                  |            |

**Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III**

| Sr. no. | Conditions  | Status/Action taken  |                                      |            |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |
|---------|---|--|--------------------------------------|------------|---------|--------------------|------------|---|-----|--------|---------------------------|------------|---|-----|--------|-----------|------------|---|-----------------|--------|--------------------------------------|------------|---|-------------|--------|-----------|------------|
| 1       | The provisions of the CRZ Notification of 2011 shall be strictly adhered to by M/s APDPPL. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by M/s APDPPL  | <b>Complied.</b> <ul style="list-style-type: none"> <li>All the construction activities are being carried out as per the provisions of CRZ notification 2011 and EIA notification 2006.</li> <li>No activity or work other than those permitted in Coastal Regulation Zone Notification has been carried out in Coastal Regulation Zone area.</li> </ul>   |                                      |            |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |
| 2       | The APDPPL shall ensure that there shall not be any blockage of creek and free flow of water is maintained  | <b>Complied.</b> <ul style="list-style-type: none"> <li>APDPPL ensured no creeks are blocked due to project activity.</li> </ul>   |                                      |            |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |
| 3       | The APDPPL shall have to comply with the agreement made by them with GACL regarding re-routing of the pipeline of GACL and M/s APDPPL shall have to borne the cost as per agreement.  | <b>Complied.</b><br>Re-routing of the pipeline of GACL has been completed and all expenditure has been borne by APDPPL.  |                                      |            |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |
| 4       | The APDPPL shall not construct any storage facilities for material/chemicals in the CRZ area except for those permissible as per Annexure – II of the CRZ Notification -2011. Also for other Hazardous chemical, outside CRZ areas, the APDPPL shall have to consult SDMA for Disaster Management Plan. | <b>Being Complied</b> <ul style="list-style-type: none"> <li>APDPPL is handling Multi cargo mainly coal and other bulk cargos at designated storage areas as per approval &amp; CRZ notification 2011.</li> <li>APDPPL has a well-defined DMP, and regular mock drills are being conducted. DMP is also reviewed at regular interval Last Mock drill was conducted on 29.10.2021. Last revision in the DMP was done on 01.05.2020. Disaster Management Plan is submitted to District collector, Mamlatdar (Disaster) and Gujarat Maritime Board, Bharuch, vide letter no. APDPPL/EHS/DMP/Rev-07/2020-21, 123 &amp; 124 dated 20.01. 2021.</li> </ul>   |                                      |            |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |
| 5       | All necessary permission from different Government Departments / agencies shall be obtained by M/s APDPPL before commencing the activities.   | <b>Complied</b> <ul style="list-style-type: none"> <li>Consent to Establish (CTE) and Consent to Operate (CTO) are obtained from GPCB and renewed/ amendment from time to time as per the progress of the project activity. The present in force CTE/CTO are mentioned below</li> </ul> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Permission</th> <th>Project</th> <th>Ref. No./Order No.</th> <th>Valid till</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>CTE</td> <td>APDPPL</td> <td>GPCB/BRCH/ NOC/2528/80108</td> <td>30/03/2011</td> </tr> <tr> <td>2</td> <td>CCA</td> <td>APDPPL</td> <td>AWH-40224</td> <td>04/07/2011</td> </tr> <tr> <td>3</td> <td>CCA (Amendment)</td> <td>APDPPL</td> <td>GPCB/BRCH-B-CCA-06/(2)ID-31664/12315</td> <td>04/07/2015</td> </tr> <tr> <td>4</td> <td>CCA Renewal</td> <td>APDPPL</td> <td>AWH-73359</td> <td>16/07/2020</td> </tr> </tbody> </table> | S. No.                               | Permission | Project | Ref. No./Order No. | Valid till | 1 | CTE | APDPPL | GPCB/BRCH/ NOC/2528/80108 | 30/03/2011 | 2 | CCA | APDPPL | AWH-40224 | 04/07/2011 | 3 | CCA (Amendment) | APDPPL | GPCB/BRCH-B-CCA-06/(2)ID-31664/12315 | 04/07/2015 | 4 | CCA Renewal | APDPPL | AWH-73359 | 16/07/2020 |
| S. No.  | Permission  | Project  | Ref. No./Order No.                   | Valid till |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |
| 1       | CTE   | APDPPL   | GPCB/BRCH/ NOC/2528/80108            | 30/03/2011 |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |
| 2       | CCA   | APDPPL   | AWH-40224                            | 04/07/2011 |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |
| 3       | CCA (Amendment)   | APDPPL   | GPCB/BRCH-B-CCA-06/(2)ID-31664/12315 | 04/07/2015 |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |
| 4       | CCA Renewal   | APDPPL   | AWH-73359                            | 16/07/2020 |         |                    |            |   |     |        |                           |            |   |     |        |           |            |   |                 |        |                                      |            |   |             |        |           |            |

**Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III**

| Sr. no. | Conditions | Status/Action taken   |                     |                  |  |            |
|---------|------------|---|---------------------|------------------|--|------------|
|         |            | 5   | CTE                 | APDPPL Phase-III | CTE Amendments-71696                             | 07/07/2020 |
|         |            | 6   | CTE (Amendment)     | APDPPL-III       | CTE Amendments-71696                             | 07/07/2020 |
|         |            | 7   | CCA Amendment       | APDPPL           | GPCB/BRCH-BCCA-06(3)ID-31664                     | 16/07/2020 |
|         |            | 8   | CCA Amendment       | APDPPL           | GPCB/BRCH-BCCA-06(3)ID-31664                     | 16/07/2020 |
|         |            | 9   | CCA Amendment       | APDPPL           | GPCB/BRCH-BCCA-06(3)ID-31664                     | 16/07/2020 |
|         |            | 10  | CCA Amendment       | APDPPL           | GPCB/BRCH-BCCA-06(3)ID-31664/566292              | 16/07/2020 |
|         |            | 11  | CCA Renewal         | APDPPL           | GPCB/BRCH-B/CCA-06(7)ID-31664/571845(AWH-109820) | 01/11/2020 |
|         |            | 12  | CTE Validity extend | APDPPL-III       | CTE Amendment No. 111311                         | 07/07/2023 |
|         | 6          | <p><b>Complied</b><br/>There is no damage to Mangrove due to project activity. Free flow to the mangroves near the jetty approach is maintained.</p>  |                     |                  |  |            |
|         | 7          | <p><b>Being Compiled</b></p> <ul style="list-style-type: none"> <li>All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied.</li> <li>Copy of the status of EMP recommendations is enclosed as <b>Annexure 4</b>.</li> </ul>  |                     |                  |  |            |
|         | 8          | <p><b>Being Complied</b></p> <ul style="list-style-type: none"> <li>Construction and operation activities are being done in such a way that there is no impact on the mangroves. Free access to the "Pagadiya" fishermen is available. There is no impact on fishermen livelihood due to project activity.</li> <li>Gujarat Maritime Board is regularly monitoring the</li> </ul> |                     |                  |  |            |

**Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III**

| Sr. no. | Conditions   | Status/Action taken  |
|---------|--|--|
|         | / supervision of the reputed institute/ organization.  | project progress.  |
| 9       | The construction debris and/or any other type of waste shall not be disposed of into the sea, creek or in the CRZ areas. The debris shall be removed from the construction site immediately after the construction is over.  | <p><b>Complied</b></p> <ul style="list-style-type: none"> <li>• No debris or other construction waste is being disposed into the sea, creek or in CRZ areas.</li> <li>• Reclamation of the area is being done as per the approval received.</li> </ul>   |
| 10      | The construction camps shall be located outside the CRZ area and the construction labour shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labours. | <p><b>Complied</b></p> <p>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.</p>   |
| 11      | M/s APDPPL shall prepare and regularly update the local oil spill contingency and Disaster Management Plan in consonance with the National Oil Spill and Disaster Contingency plan and shall submit the same to this Department after having it vetted through the Indian Coast Guard.           | <p><b>Complied</b></p> <ul style="list-style-type: none"> <li>• Oil Spill Contingency Plan is submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012.</li> <li>• Resubmitted Oil Spill Contingency plan prepared and submitted to The chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi &amp; Coast Guard, Gandhinagar for verification vide letter dated 27.07.2018</li> <li>• Request letter for approval of Oil Spill Contingency plan submitted to the chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi &amp; Coast Guard, Gandhinagar vide letter dated 16/09/2020</li> <li>• APDPPL has a well-defined DMP, and regular mock drills are being conducted. Mock drill is being conducted as per plan. Last Mock drill was conducted on 29.10.2021. Last revision in the DMP was done on 01.05.2020. Disaster Management Plan is submitted to District collector, Mamlatdar (Disaster) and Gujarat Maritime Board, Bharuch, vide letter no. APDPPL/EHS/DMP/Rev-07/2020-21, 123 &amp; 124 dated 20.01. 2021.</li> </ul> |
| 12      | M/s APDPPL shall bear the cost of the external agency that may be appointed by this Department for   | Noted and shall be complied.   |

**Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III**

| Sr. no. | Conditions  | Status/Action taken  |
|---------|---|--|
|         | supervision /monitoring of proposed activities and the impact of the proposed activities.   |  |
| 13      | The jetty and most of the approach would be supported on piles allowing adequate flow of water without significant obstruction  | <b>Complied.</b><br>Jetty approach is already operational. No new jetty is proposed under the phase III development except the widening of rubble bund.  |
| 14      | The ground water shall not be tapped within the CRZ areas by the APDPPL to meet the water requirement in any case.  | <b>Complied.</b><br>Ground water is not tapped in CRZ area for the project. Water requirement is been met through GIDC water supply.   |
| 15      | M/s APDPPL shall take up massive greenbelt development activities in consultation with Forest Department / GEER Foundation / Gujarat Ecology commission. A comprehensive plan for this purpose has to be submitted to the Forests and Environment Department.   | <b>Complying with.</b><br>Green belt is being developed in an area of 22.68 ha including periphery of the project boundary. Detailed plan of the green belt development plan is enclosed as <b>Annexure - 5.</b>   |
| 16      | Mangrove plantation in 50 Ha. Shall be carried out in consultation with the Gujarat Ecology Commission/ Forest Department by M/s APDPPL within a period of two years from the date of issuance of the CRZ clearance by the MoEF&CC, GOI and an action plan in this regard shall be submitted to this Department along with satellite images and GPS readings with Latitudes and Longitudes. | <b>Complied.</b><br>Mangrove afforestation has been carried out in an area of 400 ha Phase I & II (200 Ha for both). And additional 50 Ha for Phase –III. Details of the same are given below.<br><ol style="list-style-type: none"> <li>5. 100 ha near village Dandi, Dist Surat– 2011</li> <li>6. 50 ha near village Jakhau, Dist Kutch – 2011</li> <li>7. 50 ha near Padri bit, Dist Bhavnagar – 2011</li> <li>8. 200 ha near Malpur, Ta. Jambusar – 2013-14 (Done as compliance to Phase – I &amp; II EC &amp;CRZ clearance)</li> <li>5. 50 ha Devjagan/Nada Ta. Jambusar – 2017 – 18 (Done as compliance to Phase – III EC &amp;CRZ clearance)</li> </ol> Reports of 400 Ha Mangrove afforestation (Developed in Phase I & II Project) were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017<br>The mangrove plantation (Phase –III) of 50 ha has been completed at Village Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise |

| Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III |  |  |
|---|--|--|
| Sr. no.   | Conditions   | Status/Action taken  |
|   |  | Limited (SAVE). Report of 50 ha Mangrove Plantation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 29/05/2019.   |
| 17  | The APDPPL shall have to take up bio-shielding development programme in consultation with the Forests Department/ PCCF and an action plan in this regard shall have to be submitted to the MoEF&CC – GOI and this department.                | <p><b>Being Complied</b></p> <ul style="list-style-type: none"> <li>Area identification for Bio shield project is done at Malpur and Isanpur village, Jambusar Taluka, Bharuch district is completed.</li> <li>M/s. Saline Area Vitalization Enterprise Limited (SAVE) is carrying out Bio Shield development programme in collaboration with local villagers.</li> </ul> <p>Some highlights of project are as below;</p> <ul style="list-style-type: none"> <li>Area to be developed: 20ha</li> <li>Width: 200 – 300 mt. Length: 1,000 mt. (01 Km)</li> <li>Plants: Mangroves, Pilu (Salvadora, Unt Morad and local grass species</li> <li>Completion Period: 36 Months</li> <li>A mangrove nursery having 35150 saplings has been developed by SAVE in association with village women, these women will be executing the process of Bio shield right from plantation to gap filling and maintenance.</li> <li>In the period from December- January, the sapling counting of the Nursery was done and it was found that 27110 Plants are living, which is around 77% survival</li> <li>In the period from June – July,2020 mangrove plants counting work done and it was found that 7430 plants are living</li> <li>February end total Mangrove Plantation of 8,000 Plants have been done</li> <li>Final report will be submitted along with compliance on completion of Bio Shield development Programme.</li> </ul> |
| 18  | M/s APDPPL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in consultation with the Forests and Environment Department and the District Collector / District Development Officer. | <p><b>Complied.</b></p> <p>The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same for the period of April, 2021 to September, 2021 is attached as <b>Annexure – 2.</b></p>  |
| 19  | A separate budget shall be   | <b>Complied.</b>   |

| Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III |  |   |       |             |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
|---|--|---|-------|-------------|-----------|------|-----|-----|-------------|------------------|-------------------|-------|-------|-----|-------------------|-------------------|-------|-------|----|-----------------|-------------------|-------|------|----|-----------------|-------------------|-------|-------|----|----------|------|-----|-----|-------|--------------------|----------------|------|------|----|------------------|------|------|----|
| Sr. no.   | Conditions   | Status/Action taken   |       |             |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
|   | earmarked for environmental management and socio-economic activities including the green belt /mangrove plantation and details thereof shall be furnished to this department as well as the MoEF&CC, GOI. The details with respect to the expenditure from this budget head shall also be furnished alongwith the compliance report. | Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of revenue budget for Environment Cell for the FY 2021-22 was approx. Rs. 374.6lacs. Details of the environmental budget and expenditures for the past 3 years is enclosed as <b>Annexure –6</b> .   |       |             |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
| 20  | A separate Environment Management Cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project   | <b>Complied.</b><br>APDPPL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as <b>Annexure – 7</b> .  |       |             |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
| 21  | Environmental Audit report indicating the changes, if any, with respect to the baseline environment quality in the coastal and marine environment shall be submitted every year by M/s APDPPL to this Department as well as to the MoEF&CC, GOI.   | <p><b>Being Complied</b></p> <p>The quality of ambient air, treated wastewater from STP, sea water and sediment, ground water and noise levels is being monitored through M/s Pollucon Laboratories, a NABL accredited agency.</p> <p>Ambient Air quality monitoring (twice in a week) and Noise level (once in a month) monitoring are being carried out. Summary of ambient air monitoring during compliance period form April, 2021 to September, 2021 as mentioned below.</p> <table border="1"> <thead> <tr> <th>Parameter</th> <th>Unit</th> <th>Max</th> <th>Min</th> <th>Perm. Limit</th> </tr> </thead> <tbody> <tr> <td>PM<sup>10</sup></td> <td>µg/m<sup>3</sup></td> <td>94.53</td> <td>32.56</td> <td>100</td> </tr> <tr> <td>PM<sup>2.5</sup></td> <td>µg/m<sup>3</sup></td> <td>55.33</td> <td>12.54</td> <td>60</td> </tr> <tr> <td>SO<sub>2</sub></td> <td>µg/m<sup>3</sup></td> <td>26.31</td> <td>6.31</td> <td>80</td> </tr> <tr> <td>NO<sub>2</sub></td> <td>µg/m<sup>3</sup></td> <td>43.55</td> <td>13.53</td> <td>80</td> </tr> </tbody> </table> <ul style="list-style-type: none"> <li>The noise level confirm to the standard laid down by Gujarat Pollution Control Board. The noise monitoring results during compliance period form April, 2021 to September, 2021 as mentioned below table.</li> </ul> <table border="1"> <thead> <tr> <th>Location</th> <th>Unit</th> <th>Max</th> <th>Min</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td rowspan="2">Behind QHSE Office</td> <td>Day Time dB(A)</td> <td>72.7</td> <td>44.9</td> <td>75</td> </tr> <tr> <td>Night Time dB(A)</td> <td>61.3</td> <td>36.6</td> <td>70</td> </tr> </tbody> </table> |       |             | Parameter | Unit | Max | Min | Perm. Limit | PM <sup>10</sup> | µg/m <sup>3</sup> | 94.53 | 32.56 | 100 | PM <sup>2.5</sup> | µg/m <sup>3</sup> | 55.33 | 12.54 | 60 | SO <sub>2</sub> | µg/m <sup>3</sup> | 26.31 | 6.31 | 80 | NO <sub>2</sub> | µg/m <sup>3</sup> | 43.55 | 13.53 | 80 | Location | Unit | Max | Min | Limit | Behind QHSE Office | Day Time dB(A) | 72.7 | 44.9 | 75 | Night Time dB(A) | 61.3 | 36.6 | 70 |
| Parameter   | Unit   | Max   | Min   | Perm. Limit |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
| PM <sup>10</sup>  | µg/m <sup>3</sup>  | 94.53   | 32.56 | 100         |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
| PM <sup>2.5</sup>   | µg/m <sup>3</sup>  | 55.33   | 12.54 | 60          |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
| SO <sub>2</sub>   | µg/m <sup>3</sup>  | 26.31   | 6.31  | 80          |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
| NO <sub>2</sub>   | µg/m <sup>3</sup>  | 43.55   | 13.53 | 80          |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
| Location  | Unit   | Max   | Min   | Limit       |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
| Behind QHSE Office  | Day Time dB(A)   | 72.7  | 44.9  | 75          |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |
|   | Night Time dB(A)   | 61.3  | 36.6  | 70          |           |      |     |     |             |                  |                   |       |       |     |                   |                   |       |       |    |                 |                   |       |      |    |                 |                   |       |       |    |          |      |     |     |       |                    |                |      |      |    |                  |      |      |    |

**Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III**

| Sr. no.           | Conditions       | Status/Action taken               |                  |      |      |    |
|-------------------|------------------|-----------------------------------|------------------|------|------|----|
|                   |                  | PMC Office Back Side              | Day Time dB(A)   | 73.4 | 44.8 | 75 |
|                   |                  |                                   | Night Time dB(A) | 68.1 | 38.6 | 70 |
|                   |                  | Sub Station - 6 Back Side         | Day Time dB(A)   | 73.2 | 44.9 | 75 |
|                   |                  |                                   | Night Time dB(A) | 66.4 | 36.1 | 70 |
|                   |                  | Sub Station - 8 (Marine Building) | Day Time dB(A)   | 73.3 | 45.1 | 75 |
|                   |                  |                                   | Night Time dB(A) | 69.8 | 35.2 | 70 |
|                   |                  | Near Sub Station - 7B             | Day Time dB(A)   | 71.5 | 44.4 | 75 |
|                   |                  |                                   | Night Time dB(A) | 64.4 | 39.3 | 70 |
|                   |                  | JS – 1 (Nr. Lakhigam)             | Day Time dB(A)   | 73.2 | 44.8 | 75 |
|                   |                  |                                   | Night Time dB(A) | 68.3 | 36.4 | 70 |
|                   |                  | Behind S.S. - 11 (Silo)           | Day Time dB(A)   | 73.1 | 41.9 | 75 |
|                   |                  |                                   | Night Time dB(A) | 65.5 | 39.6 | 70 |
|                   |                  | Cylo Loading Point                | Day Time dB(A)   | 72.2 | 44.8 | 75 |
|                   |                  |                                   | Night Time dB(A) | 68.2 | 41   | 70 |
|                   |                  | GCPTL Gate                        | Day Time dB(A)   | 71.3 | 44.8 | 75 |
|                   |                  |                                   | Night Time dB(A) | 67.2 | 40.5 | 70 |
|                   |                  | Lakhi Village (Primary School)    | Day Time dB(A)   | 72   | 42.6 | 75 |
|                   |                  |                                   | Night Time dB(A) | 65.3 | 40.1 | 70 |
|                   |                  | ERMS Workshop                     | Day Time dB(A)   | 71.3 | 45.9 | 75 |
|                   |                  |                                   | Night Time dB(A) | 67.1 | 39.6 | 70 |
| Behind Pump House | Day Time dB(A)   | 73.1                              | 43.3             | 75   |      |    |
|                   | Night Time dB(A) | 68.1                              | 37.2             | 70   |      |    |

**Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III**

| Sr. no.                          | Conditions | Status/Action taken   |                  |      |      |    |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|----------------------------------|------------|---|------------------|------|------|----|--|--|----------------|------|-----|-----|-------------|----|------|----|----|----|------|------|------------------------|------|------|-----|----------|-----|------|-------|----------------|------|-----|-------|----------------------------------|-------|
|                                  |            | Rock bond Approach (Jetty)  | Day Time dB(A)   | 73.2 | 45.9 | 75 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            |   | Night Time dB(A) | 66.4 | 42.2 | 70 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            | New Gate  | Day Time dB(A)   | 72.8 | 44.9 | 75 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            |   | Night Time dB(A) | 69.9 | 38.3 | 70 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            | Security Barrier Gate   | Day Time dB(A)   | 70.3 | 44.8 | 75 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            |   | Night Time dB(A) | 65.5 | 36.2 | 70 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            | JS – 2  | Day Time dB(A)   | 70.3 | 45.6 | 75 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            |   | Night Time dB(A) | 61.4 | 35.5 | 70 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            | Railway Dead End  | Day Time dB(A)   | 73.2 | 44.8 | 75 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            |   | Night Time dB(A) | 67.3 | 35.3 | 70 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            | Open Storage Yard -1  | Day Time dB(A)   | 73.3 | 40.1 | 75 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            |   | Night Time dB(A) | 67.2 | 34.2 | 70 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            | Loco shed   | Day Time dB(A)   | 73.5 | 45.9 | 75 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            |   | Night Time dB(A) | 61.5 | 35.6 | 70 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            | Lakhi Village (below conveyer belt)   | Day Time dB(A)   | 72.2 | 42.9 | 75 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            |   | Night Time dB(A) | 68.1 | 30.8 | 70 |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            | Piezometers analysis results during compliance period from April, 2021 to September, 2021 as mentioned below.   |                  |      |      |    |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
|                                  |            | <table border="1"> <thead> <tr> <th>Test Parameter</th> <th>Unit</th> <th>Min</th> <th>Max</th> </tr> </thead> <tbody> <tr> <td>Temperature</td> <td>°C</td> <td>30.9</td> <td>30</td> </tr> <tr> <td>pH</td> <td>--</td> <td>8.59</td> <td>8.09</td> </tr> <tr> <td>Total Dissolved Solids</td> <td>mg/L</td> <td>2017</td> <td>803</td> </tr> <tr> <td>Salinity</td> <td>ppt</td> <td>0.36</td> <td>0.148</td> </tr> <tr> <td>Chloride as Cl</td> <td>mg/L</td> <td>199</td> <td>81.97</td> </tr> <tr> <td>Depth of Water Level from Ground</td> <td>meter</td> <td>2</td> <td>1</td> </tr> </tbody> </table> |                  |      |      |    |  |  | Test Parameter | Unit | Min | Max | Temperature | °C | 30.9 | 30 | pH | -- | 8.59 | 8.09 | Total Dissolved Solids | mg/L | 2017 | 803 | Salinity | ppt | 0.36 | 0.148 | Chloride as Cl | mg/L | 199 | 81.97 | Depth of Water Level from Ground | meter |
| Test Parameter                   | Unit       | Min   | Max              |      |      |    |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
| Temperature                      | °C         | 30.9  | 30               |      |      |    |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
| pH                               | --         | 8.59  | 8.09             |      |      |    |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
| Total Dissolved Solids           | mg/L       | 2017  | 803              |      |      |    |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
| Salinity                         | ppt        | 0.36  | 0.148            |      |      |    |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
| Chloride as Cl                   | mg/L       | 199   | 81.97            |      |      |    |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |
| Depth of Water Level from Ground | meter      | 2   | 1                |      |      |    |  |  |                |      |     |     |             |    |      |    |    |    |      |      |                        |      |      |     |          |     |      |       |                |      |     |       |                                  |       |

| Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III |  |  |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
|---|--|--|--|-------|-------------------|--------------------|---|--------------------|------------|---|--------------------|------------|---|--------------------|------------|---|--------------------|------------|---|--------------------|------------|---|--------------------|------------|---|--------------------|------------|---|--------------------|------------|
| Sr. no.   | Conditions   | Status/Action taken  |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
|   |  | Level  |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
|   |  | <ul style="list-style-type: none"> <li>Monitoring Reports for the period of April, 2021 to September, 2021 is enclosed as <b>Annexure 3</b>.</li> <li>Report confirms that there is no significant change in the quality in comparison to base line (wherever available)</li> </ul>  |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 22  | A six monthly report on compliance of the conditions mentioned in this letter shall have to be furnished by M/s APDPPL on a regular basis to this Department as well as to the Ministry of Environment, Forest and Climate Change, Government of India.        | <p><b>Complying with.</b></p> <ul style="list-style-type: none"> <li>APDPPL is regularly submitting six monthly compliance reports, which comprises of compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports, status of EMP etc.</li> <li>Last Compliance report including results of monitoring data for the period of October, 2020 to March, 2021 was submitted to MoEF&amp;CC, New Delhi, Regional Office of MoEF&amp;CC, Bhopal, Zonal Office of CPCB, Baroda, GPCB, Gandhinagar and RO Office, GPCB, Bharuch etc. vide letter no APPPL-EHS/MOEF RO/EC Comp (III) dated 24.05.2021 in soft copy via mail dated 24.05.2021</li> <li>Compliance reports along with monitored data are available on company website i.e. <a href="http://www.adaniports.com/ports-downloads">www.adaniports.com/ports-downloads</a></li> <li>Same is being regularly submitted to concerned authorities.</li> <li>Please refer below for the details regarding past 7 compliance submissions.</li> </ul> <table border="1"> <thead> <tr> <th>S. No</th> <th>Compliance Period</th> <th>Date of Submission</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Apr' 17 to Sep' 17</td> <td>28.11.2017</td> </tr> <tr> <td>2</td> <td>Oct' 17 to Mar' 18</td> <td>28.05.2018</td> </tr> <tr> <td>3</td> <td>Apr' 18 to Sep' 18</td> <td>23.11.2018</td> </tr> <tr> <td>4</td> <td>Oct' 18 to Mar' 19</td> <td>29.05.2019</td> </tr> <tr> <td>5</td> <td>Apr' 19 to Sep' 19</td> <td>20.11.2019</td> </tr> <tr> <td>6</td> <td>Oct' 19 to Mar' 20</td> <td>20.05.2020</td> </tr> <tr> <td>7</td> <td>Apr' 20 to Sep' 20</td> <td>25.11.2020</td> </tr> <tr> <td>8</td> <td>Oct' 20 to Mar' 21</td> <td>24.05.2021</td> </tr> </tbody> </table> |  | S. No | Compliance Period | Date of Submission | 1 | Apr' 17 to Sep' 17 | 28.11.2017 | 2 | Oct' 17 to Mar' 18 | 28.05.2018 | 3 | Apr' 18 to Sep' 18 | 23.11.2018 | 4 | Oct' 18 to Mar' 19 | 29.05.2019 | 5 | Apr' 19 to Sep' 19 | 20.11.2019 | 6 | Oct' 19 to Mar' 20 | 20.05.2020 | 7 | Apr' 20 to Sep' 20 | 25.11.2020 | 8 | Oct' 20 to Mar' 21 | 24.05.2021 |
| S. No   | Compliance Period  | Date of Submission   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 1   | Apr' 17 to Sep' 17   | 28.11.2017   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 2   | Oct' 17 to Mar' 18   | 28.05.2018   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 3   | Apr' 18 to Sep' 18   | 23.11.2018   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 4   | Oct' 18 to Mar' 19   | 29.05.2019   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 5   | Apr' 19 to Sep' 19   | 20.11.2019   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 6   | Oct' 19 to Mar' 20   | 20.05.2020   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 7   | Apr' 20 to Sep' 20   | 25.11.2020   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 8   | Oct' 20 to Mar' 21   | 24.05.2021   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |
| 23  | Any other condition that may be stipulated by this Department / Ministry of Environment, Forest and Climate Change, Government of India from time to time for environmental protection / management purpose shall also have to be complied with by M/s APDPPL. | <p><b>Noted and agreed to comply with</b></p> <p>Any other condition that may be stipulated by this Department / Ministry of Environment, Forest and Climate Change, Government of India from time to time for environmental protection.</p>   |  |       |                   |                    |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |   |                    |            |

# Annexure -1

**Annexure – 1**  
**Action taken on PH commitments**

**Status of the action item of public consultation points**

| Sr. No. | Name of representative and address   | Points Represented during Public Hearing  | Answer given by representative of project proponent | Remark  | Status of action Item as on 30.09.2021   |
|---------|--|---|---|---|--|
| 1.      | Shri Manaharbhair Gohil, President Jilla Panchayat Village: Lakhigam, Taluka: Vagra, District: Bharuch | <ul style="list-style-type: none"> <li>• Participating the public hearing he said that, he has studied the EIA report which is misleading.</li> <li>• Five notices have been issued to the unit by GPCB but the data presented in the presentation are really shocking. There is increase in noise pollution due to company.</li> <li>• All the improvements made by the unit are only during last three months.</li> <li>• Tyre washing of Vehicle is not carried out. Equipment's purchased for maintaining cleanliness is not used regularly and there is no proper implementation of instructions given by GPCB through the notices. Further he made following observations /suggestions:               <ol style="list-style-type: none"> <li>1. Company has not taken permission from village panchayat for installation of conveyor belt passing thorough the road.</li> <li>2. Transportation of coal through trucks should be stopped.</li> <li>3. Precautions should be taken to avoid fire in coal storage area.</li> <li>4. "Court Commission" should be appointed for evaluation of current</li> </ol> </li> </ul> |   | After completing his representation, he immediately left the venue. | Reply sent on 18 <sup>th</sup> March 2015 as he immediately left the venue. No further action is required. Copy already submitted to MoEF as a part of EIA Annexure -16. |

| Sr. No. | Name of representative and address   | Points Represented during Public Hearing  | Answer given by representative of project proponent   | Remark   | Status of action Item as on 30.09.2021  |
|---------|--------------------------------------|---|---|--|---|
|         |                                      | <p>environmental condition of the company.</p> <ul style="list-style-type: none"> <li>Finally, he told that he does not agree with the report of the company and raised strong objection against the expansion project of the company. He also pointed out that in the past three people already died due cargo vehicles of the company.</li> </ul>   |   |  |   |
| 2.      | Shri Pushkarsinh Rana, Village Dahej | <ul style="list-style-type: none"> <li>He raised objection for selection of location for conducting Public Hearing and asked GPCB why Public Hearing is organized in Luvara village instead of Project site or Lakhigam itself and requested to appraise the site criteria for Public Hearing</li> <li>He asked that how many pages are used in EIA report and in comparison how many pages are used in Executive summary.</li> <li>He told that Executive Summary is of only 25 pages and that are very less as compared to pages of EIA report and it shows that company has hidden many</li> </ul> | <ul style="list-style-type: none"> <li>Project Proponent informed that the decision rights for selection of location for the Public Hearing are with GPCB and normally PH location is decided based on the Notification of EC of MoEF.</li> <li>Representative of Project Proponent replied that EIA report is in three parts. EIA report included 268 pages, Annexures include 378 pages and appendix includes 264 pages making total report of 858 pages. Executive summary includes 25 pages.</li> <li>Executive Summary is prepared as per the guidelines under EIA Notification. The more pages are due to various annexures.</li> </ul> | <p>Regional Officer, GPCB clarified that w.r.t. selection of location for public hearing, the words used in the EIA notification are "at the project site or in close proximity" with this consideration as well as the availability of large ground area suitable for parking and accommodating as many people as possible, the Luvara village is selected as preferred location for public hearing as the same is 2 km away from the project site.</p> <p>Dist. Collector has informed to Project Proponent to communicate the changes</p> | <p>No further action required.</p> <p>No further action required.</p> <p>After obtaining CRZ recommendations from GCZMA vide their letter</p> |

| Sr. No. | Name of representative and address | Points Represented during Public Hearing  | Answer given by representative of project proponent   | Remark   | Status of action Item as on 30.09.2021  |
|---------|------------------------------------|---|---|--|---|
|         |                                    | <p>information which is not acceptable to us. He also informed that this is a draft report only but the proponent never informing us whether clarifications are included in final EIA report or not?</p> <ul style="list-style-type: none"> <li>• He asked the clarification whether project location is on land or in sea. Whether the land is allotted or not and who is owner of land?</li> <li>• What is meaning of MOEF?</li> <li>• As per Sr. No.6 table no.1.1 of Executive habitation in the villages or big town in expansion area. What is the location of Summary there is no expansion project</li> </ul> | <ul style="list-style-type: none"> <li>• Project proponent informed that our port is functional and we have shown different components of the project in map. Two jetties in sea a trestle, rubble bund and back up area are already developed. Also, there is a railway yard for transportation of cargo.</li> <li>• The expansion proposed for carrying out reclamation is falling in intertidal area and therefore that land do not have any survey number. We have asked for permission and reclamation will be carried out after permission from MOEF.</li> <li>• The Project Proponent replied that MOEF stands for Ministry of Forest and Environment, Government of India</li> <li>• The project proponent replied that there is no habitation in the inter tidal land, proposed for reclamation</li> </ul> | <p>made in the draft EIA while finalizing the EIA to the concern representative.</p> | <p>14th March 2016, we have informed the concerned person about final EIA report for the proposed project and the source of availability on the MoEF website vide letter dated 17.03.2016 . No further action is required.</p> <p>No further action required</p> <p>No further action required.</p> <p>It is verified. No changes done.</p> |

| Sr. No. | Name of representative and address | Points Represented during Public Hearing   | Answer given by representative of project proponent   | Remark  | Status of action Item as on 30.09.2021   |
|---------|------------------------------------|--|---|---|--|
|         |                                    | <ul style="list-style-type: none"> <li>• As per Sr. No.14 of table no.1.2 of Executive Summary, it is shown that Birla Copper is located at a distance of two km in North direction and Hindalco is located at a distance of 5.1 km in the North East direction. So two different locations are shown which is one location only</li> <li>• He pointed out that in your report Sabarmati pond is shown and asked where it is located and from where this information you have gathered? He further aggressively clarified that people are living in these villages since many years and there is no Sabarmati Pond in existence in this area.</li> <li>• Executive Summary includes widening of the Road and he asked which roads are to be widened.</li> <li>• The proposed expansion is for the increase of capacity from 11.7 MMTP against the current actual handling which is less than 11.7 MMTP. So how pollution will be controlled for this expansion of capacity?</li> </ul> | <ul style="list-style-type: none"> <li>• The project proponent replied that verification will be done for Hindalco and Birla Copper and necessary changes will be made if, any.</li> <li>• The Project Proponent has shown Map prepared and published by Survey of India in 2007 which shows Sabarmati pond. As per the instruction of Dist. Collector same is shown to Shri Pushkarsinh Rana</li> <li>• The project proponent replied that proposal includes widening of the existing rubble bund which is inside the port.</li> <li>• The project proponent replied that proposed expansion is for increasing the handling capacity from 11.7 MMTPA to 23 MMTPA and by doing this there will be reduction in pollution. We are having two jetties one in North direction and another in South direction. North Jetty is mechanized</li> </ul> | <p>Dist. Collector informed the villagers to make to the point representation and also drew their attention that if, they make proper representation then and then only their concern will reach to the appropriate authorities and we are here for the same purpose.</p> | <p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p> |

| Sr. No. | Name of representative and address | Points Represented during Public Hearing   | Answer given by representative of project proponent   | Remark   | Status of action Item as on 30.09.2021   |
|---------|------------------------------------|--|---|--|--|
|         |                                    | <ul style="list-style-type: none"> <li>• The road starting from port up to Reliance is full of coal dust. Cleaning is going on since last 5 days only. High level of pollution is created in this area. This matter should come in writing. Equipment for cleaning of dust on the road is not used regularly. It is requested to show the details of equipment used in cleaning. The same is also informed to GIDC and GPCB but complaints have remained on papers only.</li> <li>• Is there any role of GIDC in this matter? To whom we should approach when GIDC is allotting land to industries. This is the only platform where we can make the representation.</li> <li>• Will there be any increase of capacity of railway loading silo and related infrastructure?</li> </ul> | <p>whereas In South jetty transportation of coal up to storage yard is being carried out through trucks. The proposed expansion includes mechanization of south jetty and transportation of coal through conveyor. Therefore, minimal transportation will be done through tucks. Therefore, there will be overall reduction in pollution due to 75% reduction of truck movement.</p> <ul style="list-style-type: none"> <li>• The Project Proponent informed that equipment for cleaning of road is used since last 1.5 years. In addition the company has purchased second equipment and same is also functional.</li> <li>• The Project Proponent replied that Belt conveyor capacity is adequate and silo will be developed at the same place</li> </ul> | <p>Regarding the role of GIDC and GPCB, Dist. Collector clarified that Govt. is working for the people only.</p> | <p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>No further</p> |

| Sr. No. | Name of representative and address | Points Represented during Public Hearing  | Answer given by representative of project proponent   | Remark | Status of action Item as on 30.09.2021  |
|---------|------------------------------------|---|---|--------|---|
|         |                                    | <ul style="list-style-type: none"> <li>• No employment is given to land looser of railway yard. Company should give</li> <br/> <li>• Assurance for employment to land losers.</li> <br/> <li>• The responsible officers of GIDC should also be required to remain present during Public Hearing.</li> <br/> <li>• I am unable to understand data shown in 3.1 w.r.t. ambient air quality therefore, I request to explain</li> <br/> <li>• He pointed out that as per Executive</li> </ul> | <p>where one silo already exists. There is no requirement of new land for this purpose.</p> <ul style="list-style-type: none"> <li>• Shri. Amish Trivedi, Representative of the project proponent replied that GIDC has allotted land on ROU basis and land for S&amp;S yard given on lease basis. The Land acquisition is done as per agreement between land owner and GIDC.</li> <br/> <li>• Company representative Mr. P. N. Roy chowdhury replied that there is no employment policy for land looser of ROU land.</li> <br/> <li>• Only GIDC can answer on this issue.</li> <br/> <li>• The project proponent replied that in India, norms of ambient air quality are already decided and parameters like PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>2</sub>NO<sub>x</sub> etc are measured to decide the quality of ambient air. These parameters are decided by CPCB. If, these parameters are below the standards then they are acceptable. The results found during the study are within the acceptable limit, during study.</li> <br/> <li>• The project proponent replied that as</li> </ul> |        | <p>action required.</p><br><p>No further action required.</p><br><p>No further action required.</p><br><p>No further action required.</p><br><p>No further action required.</p> |

| Sr. No. | Name of representative and address | Points Represented during Public Hearing   | Answer given by representative of project proponent   | Remark | Status of action Item as on 30.09.2021  |
|---------|------------------------------------|--|---|--------|---|
|         |                                    | <p>Summary 3.7.1 there is no fisheries and requested to inform the reason behind it. Fisherman have no option left and they have become unemployed for which companies are only responsible and therefore companies should provide employment to fishermen also.</p> <ul style="list-style-type: none"> <li>• As per Executive summary it is mentioned that tyre washing of vehicles is done but same is not being carried out.</li> <li>• Company is doing transportation of coal through rail and truck. Dahej – IPCL road used for transportation of coal is passing</li> </ul> | <p>per the data of Gujarat, fisheries contribution of Bharuch is only 1% which is very less. Kutch is contributing 17%. Fisheries are of two types (i) Fisheries in sea and (ii) Fisheries of Jinga and other types in inland water. Adani company is not responsible for reduction in fisheries which is also evident from the following data (Gujarat State) Presence of Adani Company is since 2011. In 2004 when Adani was not presence the fisheries production was 7489 MT, in 2005-06 it was 8743 MT, in 2009-10 it was 14810 MT and in 2011-12 It was 12914 MT.</p> <ul style="list-style-type: none"> <li>• Project proponent replied that in proposed expansion project, for air pollution control, dust suppression system will be installed during construction activities, regular water sprinkling will be carried out on roads, tyre washing facilities to be provided to avoid carry forward of dust through tyres. The tyre washing facility will become functional from 1<sup>st</sup> June, 2015.</li> <li>• Project proponent replied that we welcome your suggestions. Necessary survey will be done and appropriate steps will be taken.</li> </ul> |        | <p>Tyre washing facility is in place and other measures will be taken during construction and operation phase.</p> <p>No change in the route is required.</p> |

| Sr. No. | Name of representative and address    | Points Represented during Public Hearing  | Answer given by representative of project proponent  | Remark | Status of action Item as on 30.09.2021 |
|---------|---------------------------------------|---|--|--------|--|
|         |                                       | <p>through Vadia village which is residential area and hotels are also located on that road. Instead of this, it is requested to use bypass road passing near GACL for the same.</p> <ul style="list-style-type: none"> <li>I wish good luck to company with hope to do better work for environment.</li> </ul>   | <ul style="list-style-type: none"> <li>Project proponent conveyed thanks for his encouraging words.</li> </ul> |        | No further action required.            |
| 3.      | Shri Jayatibhai Ahir Village - Luvara | <ul style="list-style-type: none"> <li>I am Sarpanch of Luvara village. All companies are conducting public hearing and concerns of villages are considered. Our representations during public hearing of ONGC on the issues of storm water management of village are also to be considered. ONGC has helped villages in providing disposal system of rain water from village. Adani company has also helped for renovation of houses of Adivasis. Fishing nets are provided to fishermen. Adani company has</li> </ul> | <ul style="list-style-type: none"> <li>The project proponent has expressed thanks for appreciation.</li> </ul> |        | No further action required.            |

| Sr. No. | Name of representative and address            | Points Represented during Public Hearing   | Answer given by representative of project proponent   | Remark  | Status of action Item as on 30.09.2021 |
|---------|---|--|---|---|--|
|         |   | sanctioned to build 55 houses out of which 11 houses are already constructed. There is reduction in air pollution after installation of belt conveyor belt by Adani company. It is also true that regular cleaning of roads are carried out by company.  |   |   |  |
| 4.      | Dahyabhai Ghanabhai Patel Village – Jageshwar | <ul style="list-style-type: none"> <li>I do agree representation made by Manhabhai and Pushkarsinh. Conveyor belt should not be allowed through Jageshwar village. I hereby submit by representation in writing.</li> </ul>  | <ul style="list-style-type: none"> <li>The project proponent replied that they have already replied earlier to similar question.</li> </ul>   | Written representation made by Shri Dahya bhai is accepted. | No further action required.            |
| 5.      | Mayurdhvajsinh Village - Dahej                | <ul style="list-style-type: none"> <li>Officers of Adani Company are fooling villagers.</li> </ul>   |   |   |  |
| 6.      | Shri Nareshbhai Village - Lakhigam            | <ul style="list-style-type: none"> <li>This is expansion proposal for phase III. I request all to stay in Lakhigam and decide about pollution control. There is high level of pollution exists. What is the reason for 46 deaths in last 4-6 months?</li> <li>As shown in the report, monitoring is done at which locations in the village.</li> </ul> | <ul style="list-style-type: none"> <li>Project proponent replied that with respect to ambient air parameters same are as shown in the table no. 3.1 of Executive summary. Monitoring equipment were placed at the (1) residence of Shri Dilipbhai in Luvara village, (2) residence of Shri Chhotubhai in Jageshwar village, (3) Residence of Shri Ganpatgiri in Ambetha village, (4) P J Chheda High School in Dahej and (5) Primary School in Lakhigam.</li> </ul> |   |  |

| Sr. No. | Name of representative and address                         | Points Represented during Public Hearing  | Answer given by representative of project proponent  | Remark | Status of action Item as on 30.09.2021   |
|---------|--|---|--|--------|--|
|         |  | <ul style="list-style-type: none"> <li>• Pollution reaches to our houses and dust can be seen on the utensils for drinking water. Adani has manipulated with official record.</li> <li>• There are issues for land losers and they do not get employment. We have to protest. All these expenses are also on the head on farmers. It is requested that company should provide employment to us on their own.</li> <li>• Company should think about high pollution levels.</li> </ul>  | <ul style="list-style-type: none"> <li>• This is false allegation and not acceptable to us.</li> <li>• In existing project, out of 20 land losers 10 have been already given employment and for remaining 10 we have requested the families to give their nomination which we have not received from their side.</li> <li>• The project proponent replied that they have already replied earlier to similar question.</li> </ul> |        | <p>No further action required.</p> <p>At present no action is pending</p> <p>No further action required.</p> |
| 7       | Shri Kalidas Rayjibhai Patel Sarpanch, Village - Jageshwar | <ul style="list-style-type: none"> <li>• In this region people are speaking wrong things. I would like to inform Dist. collector that poor people are exploited. Since 35 years people of Navinagari were not able to sleep peacefully and there was no repairing work was done for their houses but Adani foundation helped in renovation of 120 houses and also supported for food arrangement to masons while constructing houses.</li> <li>• Nobody came for help from Taluka and District level. The plaster was falling in primary school classes, which was repaired by Adani Company. Camera system is also installed in High School</li> </ul> | <ul style="list-style-type: none"> <li>• The project proponent has expressed thanks for appreciation.</li> <li>• The project proponent has expressed thanks for appreciation.</li> </ul>   |        | <p>No further action required.</p> <p>No further action required.</p>  |

| Sr. No. | Name of representative and address         | Points Represented during Public Hearing  | Answer given by representative of project proponent   | Remark  | Status of action Item as on 30.09.2021  |
|---------|--|---|---|---|---|
|         |  | <ul style="list-style-type: none"> <li>• Training programs for beauty parlor were organized by Adani. So in general we are getting good support from the company. Pollution is of many types and local people are aware about that. It is requested to Dist. Collector to pay attention for pressured being created on local people by sarpanch for the work which is not done by them. Adani has provided fishing nets to fishermen. Adivasi's are cutting trees for their survival needs so they should be given some work.</li> </ul>        | <ul style="list-style-type: none"> <li>• The project proponent has expressed thanks for appreciation.</li> </ul>  |   | No further action required.   |
| 8       | Shri Bhagwanbhai Gohil, Village Paniyadara | <ul style="list-style-type: none"> <li>• At which locations EIA reports should be made available</li> <li>• EIA report is published on GPCB website is in English. Why it is not published in Gujarati. It should be also given in villages.</li> <li>• What will happen If, concentration of PM10 in ambient air will increase from its limit of 100 mg/cum? Who will be responsible if, health of people will deteriorate.</li> <li>• How much pollution will increase if, handling capacity increase from 11.7 MMTPA to 23 MMTPA.</li> </ul> | <ul style="list-style-type: none"> <li>• The project proponent replied that as per guidelines EIA report is prepared in English and executive summary is prepared in English as well as in Gujarati.</li> <li>• The project proponent replied that they have already replied earlier to similar question.</li> <li>• The project proponent replied that they have already replied earlier to similar question.</li> </ul> | <p>Regional officer of GPCB replied that EIA report is made available at following offices</p> <ol style="list-style-type: none"> <li>1. District collector office, Bharuch</li> <li>2. District Development office, Bharuch</li> <li>3. District Industries Centre, Bharuch</li> <li>4. Taluka Development office, Tal. VagraDist.Bharuch</li> <li>5. Chief Conservator of Forest, Bhopal</li> <li>6. Regional officer, GPCB, Bharuch</li> </ol> | <p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>APDPPL is committed to give priority to</p> |

| Sr. No. | Name of representative and address | Points Represented during Public Hearing  | Answer given by representative of project proponent   | Remark | Status of action Item as on 30.09.2021   |
|---------|------------------------------------|---|---|--------|--|
|         |                                    | <ul style="list-style-type: none"> <li>• It is shown in the presentation that employment will be given to 1000-1300 people. We request that 85% of employment should be given to locals.</li> <br/> <li>• As per page No.53 of EIA report it is mentioned that there is no tourism place in this area. Whereas, Lakhbava temple is already exist than why it is not shown in report?</li> <br/> <li>• It is requested to announce that problem of coal dust in Lakahbava temple should be controlled</li> <br/> <li>• As per Sr.10 page No.53 of EIA report, it is mentioned that there are 50 fishermen</li> </ul> | <ul style="list-style-type: none"> <li>• The project proponent replied that any project includes various phases like construction, transportation of goods etc. during construction phase employment will be given to 1000-1300 people. As per data of earlier two phase of development as of date 2/3 people are employed for transportation of goods are from Gujarat. Suitable action will be initiated on receipt of order for 85% employment of locals.</li> <li>• The project proponent replied that EIA report included tourism places as per records of Gujarat Govt. Lakhbava temple is not a declared tourism place as per published list of places hence not included. However, we respect the religious importance of the place.</li> <li>• The project proponent replied that we are having sympathy with your feelings. We have already taken maximum measures for Lakahbava temple as well as carried plantations of trees and cleaning activities in that area. We accept your suggestion.</li> <li>• The project proponent replied that we have collected these data from fisheries department.</li> </ul> |        | <p>locals.</p> <p>No further action required.</p> <p>All the suggested measures are already taken and frequent cleaning will be done as and when needed. No further action required.</p> |

| Sr. No. | Name of representative and address      | Points Represented during Public Hearing  | Answer given by representative of project proponent   | Remark  | Status of action Item as on 30.09.2021 |
|---------|---|---|---|---|--|
|         |   | are in Jageshwar village but fishermen are exist in all villages. Govt. records are false and it is their negligence which is misused. Companies are getting information five days in advance regarding visit of GPCB.  |   |   |  |
| 9       | Shri Ramanbhai Patel, Village: Luvara   | <ul style="list-style-type: none"> <li>Whose development is this? Only companies are growing. It is told to youth that they are locals. Even educated people are not getting employment. 50 students of Luvara village has completed course of ITI under GOLS in 2010-11 organized by GIDC but this certificate is not accepted to companies in Dahej region. It is requested to close this GOLS ITI program because it is not recognized.</li> </ul> | <ul style="list-style-type: none"> <li>The project proponent replied that they have already replied earlier to similar question.</li> </ul> | Dist. Collector noted the matter and informed that he will take up the matter at right level.   | No action required from company.       |
| 10      | Shri Dipakbhai Patel Village: Jageshwar | <ul style="list-style-type: none"> <li>I am working in a company where candidates with ITI course completed thru GIDC are not eligible for Apprenticeship. Youth of village is not having employment.</li> </ul>  |   | Dist. Collector noted the matter and informed that he will take up the matter at right level.   | No action required from company.       |
| 11      | Shri Niteshbhai Patel Village: Luvara   | <ul style="list-style-type: none"> <li>There are issues related to employment to land losers in this area and representation was made to previous collector madam but till date we have not received proper response.</li> </ul>  |   | Dist. Collector has informed that he has come across this issue but as this is not related to this public hearing and It will be taken separately. Even instructions have also come from CMO in this regard. Regarding bogus ITI necessary actions will be taken from Dist. Collectrate Office. | No action required from company.       |

| Sr. No. | Name of representative and address                  | Points Represented during Public Hearing   | Answer given by representative of project proponent  | Remark   | Status of action Item as on 30.09.2021  |
|---------|---|--|--|--|---|
| 12      | Shri Sanjaybhai Gohil Village: Lakhigam             | <ul style="list-style-type: none"> <li>Officers of various companies provides medical van if, they have expansion project (i.e. when such public hearing to be faced) but if, anybody died near their gate they do not provide any ambulance. Companies are working like Britishers. There are incidences of two deaths on account of brain haemorrhage. Who will be responsible for ill health of children of villages</li> </ul> |  |  | No action required from company.  |
| 13      | Shri Yogeshbhai Patel Village: Lakhigam             | <ul style="list-style-type: none"> <li>Can an arrangement for measurement of noise pollution in presence of village people be made? Conveyor belt is located near school which may impact due to high level of noise.</li> </ul>   | <ul style="list-style-type: none"> <li>Standards are defined for Noise pollution and measurements are also within the limits, GPCB may also do necessary inquiry.</li> </ul>   | Collector has informed that GPCB will arrange for measurement of noise in presence of village people | No action required from company.  |
| 14      | Shri Shankarbhai Rathod Village: Lakhigam NaviNagri | <ul style="list-style-type: none"> <li>Adani foundation has provided support for raising the level of our houses and also constructed anganwadi</li> <li>Due to construction of jetty approach rock bund waters by Adani Company and Birla there is difference observed in currents of Sea which is impacting fishing activities. What will be the impact on fish due to proposed project.</li> </ul>                              | <ul style="list-style-type: none"> <li>The project proponent has expressed thanks for appreciation.</li> <li>There will not be any impact on fish due to this proposed expansion</li> </ul>  |  | No further action required<br><br>No further action required  |
| 15      | Shri Kishorbhai Rana Village: Dahej                 | <ul style="list-style-type: none"> <li>Fishermen of this area are uneducated. It does not make any difference to them that who is running central government. They are in need of the survival of livelihood. I have uploaded the video on you tube for pollution created by Adani Company which you can see. Within the premises of Birla Copper around 100000</li> </ul>   | <ul style="list-style-type: none"> <li>Project proponent replied that your representation is right but Ports are necessary for the development of country. We have not created any hindrances or restricted access for fishing. They can continue the fishing activities.</li> </ul> |  | There is no commercial fishing in the area. Free access to the "Pagadiya" fishermen is available. There |

| Sr. No. | Name of representative and address   | Points Represented during Public Hearing   | Answer given by representative of project proponent   | Remark | Status of action Item as on 30.09.2021   |
|---------|--|--|---|--------|--|
|         |  | <p>Neem tries are planted where foot prints of coal dust is being observed while going to temple.</p> <ul style="list-style-type: none"> <li>GIDC maps are getting revised as per the needs of the companies and village people are getting answer that again maps cannot be revised. It is requested to GPCB to provide contact numbers of the concern officer who can remain present at Dahej and may inspect the site on request through phone call while accident occur.</li> </ul>  |   |        | <p>is no impact on fishermen livelihood due to project activity.</p> <p>No action required from company.</p> |
| 16      | Shri Pradeepbhai Thaker<br>Member of Noise Pollution Environment Committee | <ul style="list-style-type: none"> <li>I do agree the points raised by Shri Manhar Gohil and Shri Pushkar Rana. Company is not able to control the pollution in the present handling capacity than how permission can be given for increase in capacity, Company should be instructed for the improvement in six month and thereafter public hearing should be organized</li> <li>Company is carrying out the transportation of coal by over loading of the rail rack. There are no established rules and regulations for this.</li> <li>Dusting problem in Bharuch district is due to transportation of railway rack. If GPCB and MoEF ask than company says that this is the problem of railway. Medical check-up should be conducted in this area to know how many children are malnourished as well as how much</li> </ul> | <ul style="list-style-type: none"> <li>The project proponent replied that issue is pertaining to Railway authority and the importer client.</li> <li>You may make representation before railway authority.</li> </ul> |        | No further action required   |

| Sr. No. | Name of representative and address | Points Represented during Public Hearing  | Answer given by representative of project proponent | Remark | Status of action Item as on 30.09.2021 |
|---------|------------------------------------|---|---|--------|--|
|         |                                    | <p>impact is occurring to their health.</p> <ul style="list-style-type: none"> <li>• Previously during the time of flood even after the request from Collector to provide support for "Chuno" no company has given any help so how their CSR activities can be considered.</li> <li>• How much plantation is done? Source of Water and Power is not shown. Nobody had taken care for sprinkling of water during the incident of major fire occurred before two years.</li> <li>• As per our suggestions, problems of ambient air quality have been reduced in one of the company in Ankleshwar.</li> <li>• We are with the project but being Gujarati businessman you should take care of Gujarat</li> <li>• The path for Narmada Parikrama is one km away from here and many people are coming from different regions. No officers from Dahej Industries Association is present in today's public hearing</li> <li>• File of project for producing pure water from sea water is lying on table of officer of GIDC since last two years for which even grant is approved by Government</li> </ul> |   |        |  |

| Sr. No. | Name of representative and address   | Points Represented during Public Hearing  | Answer given by representative of project proponent  | Remark   | Status of action Item as on 30.09.2021   |
|---------|--|---|--|--|--|
|         |  | <ul style="list-style-type: none"> <li>• Since, the time of IPCL request for the development of Hospital is made but till date it is on the paper</li> <li>• No additional quantity of drinking water is given to village people by GIDC but at the same time industries are provided more water</li> <li>• There is opposing of administration done by GIDC. The file has been put up to carry out plantation at local level but till date there is no clearance in this regard</li> </ul> | <ul style="list-style-type: none"> <li>• The project proponent requested the representative to mention the village to which he belongs.</li> </ul> | Regional Officer of GPCB informed that Mr. Pradip Thaker is from Ankleshwar area but without clarifying his location in beginning he started representation. | No actions required from company.  |
| 17      | Shri Dimpalben Varmora Moverix Culture and Codes foundation Village: Luvara, Dahej, Lakhigam | <ul style="list-style-type: none"> <li>• We are running sports projects with support of Adani foundation. Using this sports platform we have done many good activities and some of the children have been taken to national level for sports competition. People have also expected same level of support from Adani Group.</li> </ul>  | <ul style="list-style-type: none"> <li>• The project proponent expressed thanks for her appreciation</li> </ul>                                    |  | Adani foundation is continuing CSR activities in the region. Details are being regularly submitted to MoEF with compliance report and also are part of the presentation given to EAC during the meeting. |

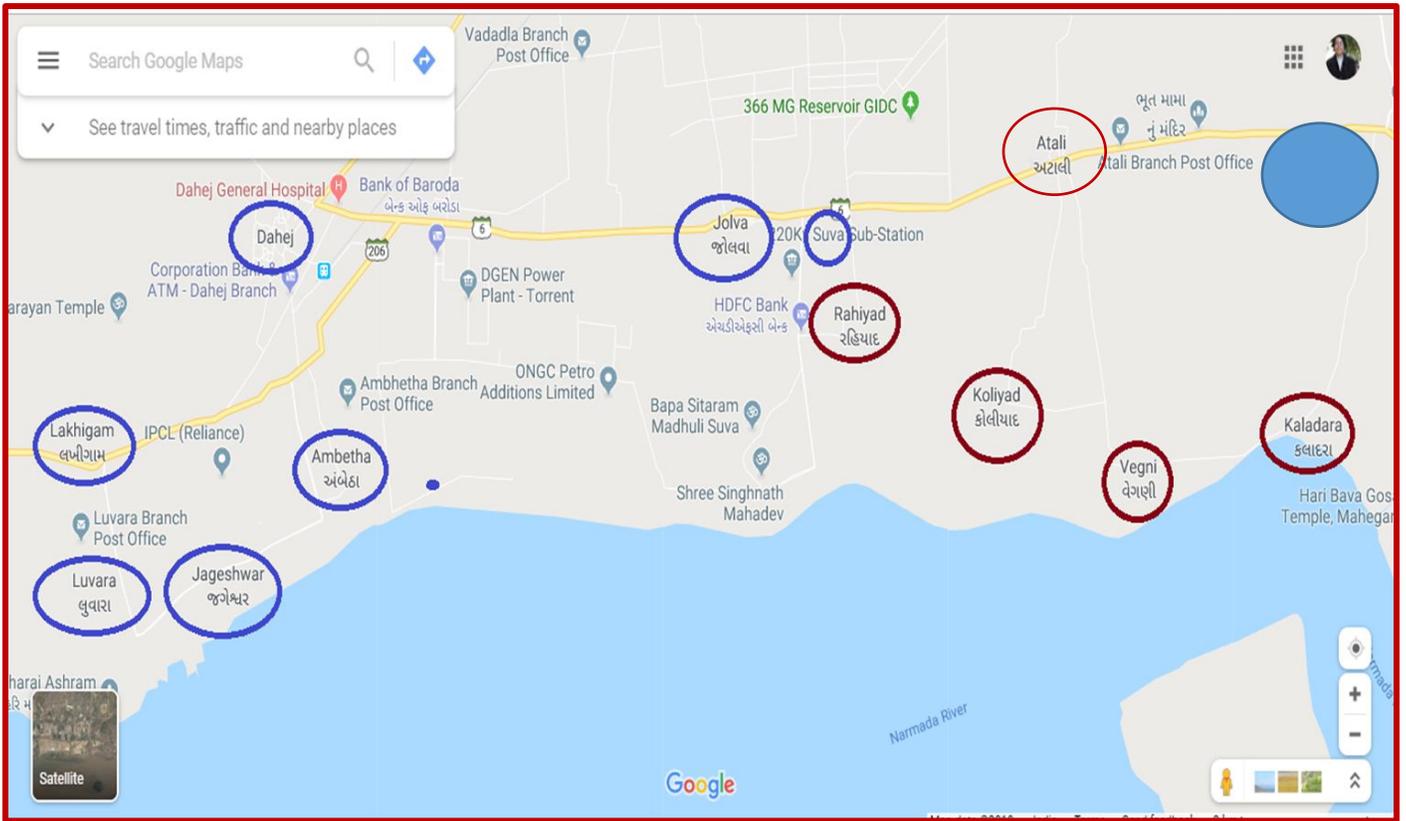
| Sr. No. | Name of representative and address    | Points Represented during Public Hearing   | Answer given by representative of project proponent   | Remark  | Status of action Item as on 30.09.2021 |
|---------|---------------------------------------|--|---|---|--|
| 18      | Shri Rakesh Gohil<br>Village: Lahigam | <ul style="list-style-type: none"> <li>• Who has prepared the EIA report and who has certified it</li> <li>• No physical survey is carried out and during visit permission from Sarpanch should be taken</li> <li>• How the mistake like mentioning the name of companies Hindalco and Birla Copper? I am not aware about their visit for physical survey</li> <li>• With the issue of passing of Conveyor belt and w.r.t. the issue of land loser the company representative Mr. Trivedi always replies that we are making communication with GIDC but do not provide clarity.</li> </ul> | <ul style="list-style-type: none"> <li>• The project proponent replied that EIA report is prepared by M S Cholamandalam, Chennai which is QCI and NABET accredited agency. They have valid certificates. Base line survey, marine quality, government records and permissions as well as environment management plan are studied, reviewed and accordingly report is prepared</li> <li>• There is adequate information covered in the report and survey is done as per the required procedure.</li> <li>• The project proponent replied that they have already replied earlier to similar question.</li> <li>• The project proponent replied that they have already replied earlier to similar question.</li> </ul> | Collector replied that for the issue of 200 land losers we will meet separately to resolve the issue. | No further action required             |
| 19      | Shri Rekhaben<br>Village: Jageshwar   | <ul style="list-style-type: none"> <li>• We are thankful to Adani Company for providing us the training on beauty parlour.</li> </ul>  | <ul style="list-style-type: none"> <li>• The project proponent expressed thanks for appreciation</li> </ul>   |   | No further action required             |

# Annexure -2



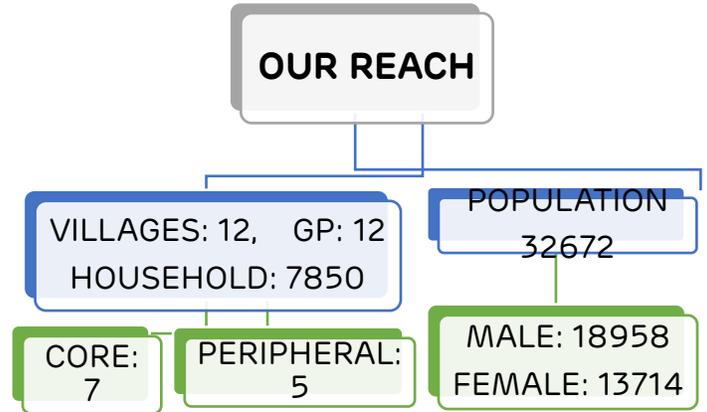
# CSR Six Months' Report 2021 -22

**ADANI FOUNDATION, DAHEJ**



| CORE VILLAGES |              |             |              |              |              |
|---------------|--------------|-------------|--------------|--------------|--------------|
| S.N           | Village      | Household   | Population   | Male         | Female       |
| 1             | Lakhigam     | 1217        | 4938         | 3144         | 1794         |
| 2             | Luvara       | 385         | 1663         | 873          | 790          |
| 3             | Suva         | 413         | 1920         | 973          | 947          |
| 4             | Jageshwar    | 383         | 1571         | 818          | 753          |
| 5             | Dahej        | 3426        | 13495        | 8345         | 5150         |
| 6             | Jolwa        | 338         | 1442         | 807          | 635          |
| 7             | Ambheta      | 347         | 1552         | 807          | 745          |
|               | <b>Total</b> | <b>6509</b> | <b>26581</b> | <b>15767</b> | <b>10814</b> |

| PERIPHERAL VILLAGES |              |             |             |             |             |
|---------------------|--------------|-------------|-------------|-------------|-------------|
| S.N                 | Village      | Household   | Population  | Male        | Female      |
| 1                   | Rahiyad      | 355         | 1694        | 862         | 832         |
| 2                   | Kaladara     | 393         | 1663        | 934         | 729         |
| 3                   | Vengani      | 202         | 908         | 462         | 446         |
| 4                   | Koliyad      | 152         | 676         | 321         | 355         |
| 5                   | Atali        | 239         | 1150        | 612         | 538         |
|                     | <b>Total</b> | <b>1341</b> | <b>6091</b> | <b>3191</b> | <b>2900</b> |



### Thematic Areas

1. Education
2. Community Health
3. Sustainable Livelihood Development
4. Community Infrastructure Development

## SDG Alignment

### Sustainable Development Goal 4

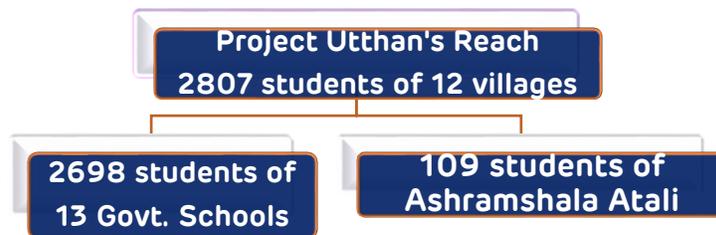
#### Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

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

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

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

## PROJECT UTTHAN



### Utthan Sahayaks' orientation

Under Project Utthan 10 Utthan Sahayak (teachers) selected at Dahej site. Out of these 10 teachers 8 teachers underwent first orientation program organized at EHS Training Hall, Adani Dahej Port. Mr. Jatin Upadhyay, Education Coordinator, AF conducted this session. Session started with introduction of teachers. Mr. Upadhyay presented an overview of Project Utthan – objectives, methodology, outcomes. He explained status of the project of 3 sites Mundra, Nakhtrana and Hazira.

AF, Dahej has signed MoUs with District Primary Education Department, Bharuch and Ashramshala Atali. 2807 students of 14 schools would get covered under this project.



## Project Swasthya Apne Hatho Me

### SDG Alignment

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

Adani Foundation supported Primary Health Centre, Dahej with HbA1C Analyzer, Bio chemistry Analyzer and multi diagnostic kits. In first six months of FY 2021 -22, 151 patients underwent blood sugar level test.

| S.N | Village   | No. of Patients |     |      |      |        |           | Total |
|-----|-----------|-----------------|-----|------|------|--------|-----------|-------|
|     |           | April           | May | June | July | August | September |       |
| 1   | Dahej     | 19              | 12  | 14   | 20   | 4      | 26        | 95    |
| 2   | Jolva     | 3               | 2   | 2    | 1    | 1      | 4         | 13    |
| 3   | Atali     | 1               |     |      |      |        | 1         | 2     |
| 4   | Ambheta   | 2               |     |      |      |        | 1         | 3     |
| 5   | Lakhigam  | 1               | 1   | 4    |      | 1      | 3         | 10    |
| 6   | Narathi   | 1               |     |      |      |        |           | 1     |
| 7   | Rahiyad   | 1               |     | 1    | 2    |        |           | 4     |
| 8   | Luvava    |                 |     | 1    | 1    |        | 2         | 4     |
| 9   | Kadodara  |                 | 1   | 1    | 1    |        |           | 3     |
| 10  | kaladara  | 1               |     |      | 1    |        |           | 2     |
| 11  | Suva      |                 |     | 2    |      |        | 1         | 3     |
| 12  | Paniyadra |                 |     |      | 1    | 1      | 1         | 3     |
| 13  | Vadadla   |                 |     |      | 1    | 1      |           | 2     |
| 14  | Vhiyal    |                 |     |      | 2    |        |           | 2     |
| 15  | Koliyad   |                 |     |      |      | 1      |           | 1     |
| 16  | Narnavi   |                 |     |      |      | 1      |           | 1     |
| 17  | Jageshwar |                 |     |      |      |        | 1         | 1     |
| 18  | Jambusar  |                 |     |      |      |        | 1         | 1     |
|     | TOTAL     | 29              | 16  | 25   | 30   | 10     | 41        | 151   |

## WORLD HEALTH DAY

AF & AF supported Shiv Shakti Sakhi Mandal, Jageshwar celebrated World Health Day on 07th April 21. Sakhi Mandal members attended an online health awareness session of Field Health Worker Naynaben Vasava of PHC, Dahej.

Topics covered:

- ✓ Gynecological problems
- ✓ Covid 19 precautions & treatment facilities in nearby areas.

This awareness session attended by Vilashben Patel, Sarpanch of Jageshwar G.P and 12 women.

On this day Sakhi Mandal members distributed 150 face masks among 32 community members.



## Visit to Kaka Ba Hospital, Hasot

**Objective: Explore affordable health services of nearby areas for community people**

AF team visited Kaka – Ba Hospital, Hasot, Bharuch on 29<sup>th</sup> May 2021. This hospital is run by Kaka-Ba and Kala-Budh Public Charitable Trust is an initiative by renowned industrialist-cum philanthropist and one of the pioneers of Indian Pharmaceutical industry, Shri Indravadan Modi - started in 1985. This has well developed infrastructure – General OPD, General surgery, Dental department, Eye department, ENT, Orthopedic, Pediatrics, Plastic surgery, Psychiatry and a COVID ward of 17 beds. Health services are available at nominal charges. Plastic surgery is being done at no cost. They organize health camps with various organizations in villages.

AF team had meetings with Dr. Bharatbhai, MS of the hospital and Mr. Rajendrabhai, CSR Coordinator. Dr. Bharatbhai expressed his willingness to organize camps – awareness as well as treatment camps in project villages after COVID.

## Menstrual Hygiene Day

On 28<sup>th</sup> May Menstrual Hygiene Day observed with 19 adolescent girls of Lakhigam Village by AF and Health Department.

Theme: 'We need to step up action and investment in menstrual health and hygiene now!'

An awareness session was conducted with support of a Gujarati film Hello Periods on

- Menstruation: Facts & myths
- Personal hygiene
- Use & proper disposal on sanitary napkins



On the basis of the content of the film a set of questionnaire for Pre-test & Post-test was developed. All 19 adolescents filled the questionnaire. Similar sessions were also conducted with 30 adolescent girls of Luvara and Jageshwar in June 2021.

**Output: Adolescent girls came to know about menstrual hygiene**

**Breastfeeding week:** awareness sessions organized on breastfeeding with 65 women in 3 villages of Lakhigam, Jageshwar and Dahej villages. These sessions were organized in association with Govt. Health Department's front line workers – ASHA & ANM and front line workers of Women & Child Development – Aanganwadi Workers.

Sessions were held with pregnant and lactating mothers on

- Importance of breast feeding
- Early initiation of breastfeeding within one hour of birth
- Exclusive breastfeeding till 6 months
- Kangaroo care
- Methods of breast feeding



## SUSTAINABLE LIVELIHOOD DEVELOPMENT

### PASHUDHAN PROGRAM

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

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

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

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

#### 1.1. Key highlights

- Pending follow up for last quarter of 2021 (Jan, Feb, Mar 2021) was completed for total 147 inseminations done in cows and buffaloes and 81 animals found confirmed pregnant with 55.10% conception rate. Conception rate noted as 48.48% in cows & 61.25% in buffaloes. This area is buffalo dominated area.
- During the year 2021-22 (up to September 2021), total 158 inseminations done out of which 85 inseminations were done in cows i.e. 53.79% against total inseminations and remaining 73 are in buffaloes i.e. 46.20% against total inseminations. The Buffaloes are seasonal breeder so that Their Breeding season will start from August onwards up to January.
- Total 36 inseminations done in Gir cows and 49 non-descript cows inseminated with the use of pure Gir Semen.
- On 100% follow up basis 51 inseminations completed which were done w.e.f. April to June 2021. Examination of 51 animals was done for confirm pregnancy out of which 26 animals were found confirm pregnant to overall conception rate is 50.98% nearly 51.00%.
- During the period April to September 2021 total 95 inseminations were done in cows out of which 35 inseminations were done w.e.f. April to September 2021 for which follow up was done for confirm pregnancy and 18 cows are found confirm pregnant. Conception rate in cows is 51.42%.
- During this period total 63 inseminations were done in buffaloes out of which 16 inseminations were done w.e.f. April to September 2021 for which follow up was done for conform pregnancy and 8 buffaloes are found conform pregnant. Conception rate in Buffaloes is 50.00%.
- Highest number of inseminations were done in village Vengni i.e. 51 where 32.27% against total number of inseminations during this period followed by Kaladara and Koliyad where 22.78% and 6.97% inseminations were done Respectively.

- Total 115 calving reported during this period out of which 47 are in cows and 68 in buffaloes.
- Total 63 female calves are born out of 115 calving.

## 2. NEEDBASE ALLIED ACTIVITIES

### 2.1. PROMOTION OF SEX SORTED SEMEN

Sexed sorted semen is prepared by sorting of Chromosome i.e either "X" or "Y" Chromosome. In dairy sector, preference is always give to a female calf and thus the use of X chromosome bearing sperms semen is useful to produce maximum number of females. The sorted semen technology is an excellent tool for rapid multiplication of female genetic material as per the need of dairy farmer. Use of sex sorted semen for AI to produce 90% female calves in place of conventional semen with possibility of 50:50 calf sex ratios.

#### 2.1.1. Objectives

1. To increase number of female calf
2. To increase overall milk production and income of beneficiaries



#### 2.1.2. Achievements

- During the year 2021-22 (up to September 2021), total 24 Artificial Inseminations with the use of sex sorted semen were performed through Dahej centre out of which follow up of 7 inseminations for confirm pregnancy was completed, 6 animals are found confirm pregnant
- During the year, total 9 calving reported out of which 9 are female calves

#### 2.1.3. Impact

- Increase the Female calf with male calf which increase herd size
- Increase milk production at farmer door step
- Born female progenies will help for replacement of herd.
- Decrease fodder losses

## 2.2. CAPACITY BUILDING

Trained beneficiary is a key component for success of projects. Continuous capacity building is essential for better implementation of the projects and BISLD continued its efforts in this direction.

## Objectives

1. To provide platform for the dairy & agriculture farmers to get together and share information about modern scientific practices in Dairy Cattle Management & Agriculture Practices.
2. To get feedback from the farmers to get enough relevant materials for policy and program formulation.
3. To promote interaction among dairy & agriculture farmers.



2 Livestock Trainings held on scientific animal husbandry practices in Koliyad and Kaladara and 104 farmers were trained out of which 42 were female participants. These participants hold total 384 milking animals.

### 2.3. PROMOTION OF MINERAL MIXTURE AS ROUTINE FARM PRACTICES

Mineral Mixture is very important part as a feed supplement it has direct effect on production parameter of animals: age at first calving, inter calving period & production disease etc If there is decrease in mineral inside the body this will affect the production and reproduction.

#### 2.3.1. Objectives

1. To increase awareness among livestock holding families for importance of feed supplement.
2. To improve health status of growing as well as lactating animals
3. To improve productivity of dairy animals.
4. To reduce economic burden on animal holding families for rearing of unproductive animals.

#### 2.3.2. Achievement

During the year 2021-22 137kg mineral mixture was given to 96 farmers from 8 project villages.

#### 2.3.3. Output

- Health Condition of animals is improved as feed intake is improved
- Milk production of animals is increased by 12%.

- Reduced age at first calving by 6 months in buffalo heifers previously it was reported as 4.5 years
- Inter-calving period reduced by 3 months
- Helps to reduce economic burden for rearing of unproductive animals for longer period

## 2.4. INFERTILITY AND GENERAL HEALTH CAMP

Reproductive performance is one of the most important factors affecting dairy farm profitability. It directly or indirectly influences the yield of milk, reproductive culling rate and the cost for breeding and calf sales. Dairy cows should calve one time every year to maximize economic efficiency. Cows that have been highly selected for milk production in recent decades have suffered a decline in cow fertility, fertility is a multi-factorial trait and a network of genetic, environmental and managerial factors and their complex interactions have caused its deterioration.

### 2.4.1. Objectives

1. To reduce long inter-calving period by early detection of causes of infertility.
2. Unproductive animals become productive.
3. To treat problem breeder and unhealthy animals or diseased animals

### 2.4.2. Achievement

At present only 1 camp happened at Koliyad village. Total 53 animals presented for treatment of animals. The 21 Anoestrus and 11 Repeat bred total 32 problem bred animals, 15 cases of clinical disease and 11 Parasitic infestations.



### 2.4.3. Impact

- General Health Camp camps encouraged to provide health education to the people attending the camp.
- Timely treatment of affected animals suffering from clinical disorders helps to reduce economic losses.
- Helps to reduce long inter-calving period, age at first calving and other clinical disorders.
- Reduces economic burden on livestock holding families to rear unproductive animals.

## 2.5. FODDER DEMONSTRATION

Feeding optimum quantity of green fodder is indispensable for economical milk production. However, the persistent deficiency of green fodder continues to be a major constraint. Given the limited area under green fodder cultivation, the best option to increase availability of green fodder is the usage of fodder seed of improved varieties, with high potential yields.

#### **2.5.1. Objectives**

1. To create awareness among farmers for fodder crop varieties.
2. To reduce the cost of production of milk and dairying profitable
3. To increase area under fodder cultivation
4. To make fodder available round the year

#### **2.5.2. Achievement**

At present case 20,000 seedlings have been distributed to more than 24 farmers of which production is on-going which is 675 tons, this helps the farmers to get improved variety fodder which has effect on health and total physiology of animals.

#### **2.5.3. Output**

- Helpful to meet out the need of green fodder having prime importance for lactating, growing, pregnant animals
- Getting aware with high yielding fodder crop varieties.
- Additional fodder will be sold out serve as an additional income

## Project Annapurna (Agriculture Project)

### Meeting with Farmers

AF team conducted 05 meetings with farmers in peripheral villages. Objectives of such meetings

- Share Adani Foundation's ongoing CSR activities & take feedback of Pashudhan Program
- To aware them with Govt institutions
- To get acquainted with Govt. Schemes Meetings conducted in Kaladara, Vengani & Koliyad villages so far.

AF team encouraged farmers to come forward & do volunteering in group formations.

### Output of the meeting

- Mr.Narendrabhai Ahir , Koliyad village Mr. Mayurbhai Raj and Rahiyad village Mr. Pravinbhai Gohil (Dy. Sarpanch) in Kaladara village took the responsibility of group formations. They formed a group **23 farmers** in Kaladra village, **22 farmers** in Koliyad village and **76 farmers** in Rahiyad village.

**Outcome: 10 farmers of 4 villages** Lakhigam, Rahiyad, Vengani & Kaladra villages **get registered under 22 Govt. schemes**

| Sr.No | Beneficiary's Name      | Village | Scheme                  | Benefits  |
|-------|-------------------------|---------|-------------------------|---|
| 1     | Chandubhai Gohil        | Vengani | Tarpaulin scheme        | benefit of a grant of 50% of the total cost of the purchase.  |
| 2     | Fatesang Gohil          | Rahiyad | Solar light trap scheme | benefit of 50% of the purchase price for all farmers or Rs. 2000/- per hectare for less than 2 nos per beneficiaries.                               |
|       |                         |         | winning Fan scheme      | benefit of operated by tractor / power tiller Tractor / Power Tiller (up to 30 bhp): 50% of total cost or Rs. 50 thousand is whichever is less two. |
|       |                         |         | Hero Equipment scheme   | 50% of the expenditure or the limit of Rs.44,000 / - whichever is less two  |
|       |                         |         | Land Leveler scheme     | benefit of operated by tractor / power tiller (more than 50 and up to 3 bhp) a grant of 50% of the total cost of the purchase.                      |
|       |                         |         | Tarpaulin scheme        | benefit of a grant of 50% of the total cost of the purchase.  |
| 3     | Jitsungbhai Gohil       | Rahiyad | winning Fan scheme      | benefit of operated by tractor / power tiller Tractor / Power Tiller (up to 30 bhp): 50% of total cost or Rs. 50 thousand is whichever is less two. |
|       |                         |         | Tarpaulin scheme        | benefit of a grant of 50% of the total cost of the purchase.  |
| 4     | Raysangbhai Bharmalbhai | Rahiyad | Solar light trap scheme | benefit of 50% of the purchase price for all farmers or Rs. 2000/- per hectare for less than 2 nos per beneficiaries.                               |

|    |                         |          |                                |   |
|----|-------------------------|----------|--------------------------------|---|
|    |                         |          | Hero Equipment scheme          | 50% of the expenditure or the limit of Rs.44,000 / - whichever is less two  |
|    |                         |          | winning Fan scheme             | benefit of operated by tractor / power tiller Tractor / Power Tiller (up to 30 bhp); 50% of total cost or Rs. 50 thousand is whichever is less two. |
|    |                         |          | Land Leveler scheme            | benefit of operated by tractor / power tiller (more than 50 and up to 3 bhp) a grant of 50% of the total cost of the purchase.                      |
|    |                         |          | Tarpaulin scheme               | benefit of a grant of 50% of the total cost of the purchase.  |
| 5  | Mohanbhai Jasmatbhai    | Rahiyad  | Tarpaulin scheme               | benefit of a grant of 50% of the total cost of the purchase.  |
|    |                         |          | Tractor scheme                 | benefit of Tractor More than 40 PTO H.P. and Up to 60 PTOs. H.P. 25% of the purchase cost or Rs. 60000 whichever is less two.                       |
| 6  | Jayaben Haribhai(Widow) | Rahiyad  | Tarpaulin scheme               | benefit of a grant of 50% of the total cost of the purchase.  |
| 7  | Pravinbhai Gohil        | Rahiyad  | Cultivator scheme              | receive a grant of 50% of the total cost of the purchase.   |
|    |                         |          | power sprayer pump             | benefit of the farmer has to pay Rs. 3100 subsidy of the total cost of purchase.  |
| 8  | Jaydipsing Yadav        | Kaladra  | Cultivator scheme              | receive a grant of 50% of the total cost of the purchase.   |
| 9  | Vikramsinh Ranjitsinh   | Kaladra  | Cultivator scheme              | receive a grant of 50% of the total cost of the purchase.   |
| 10 | Laxmiben J. Gohil       | Lakhigam | Chaff cutter scheme            | benefit of 50% of the cost of purchase or Rs. 25,000 / - whichever is less is driver.   |
|    |                         |          | Freight carrier vehicle scheme | benefit of 35% of the total cost or Rs. 75,000 / - which is less than two.  |
|    |                         |          | Tarpaulin scheme               | benefit of a grant of 50% of the total cost of the purchase.  |

## **EMPLOYEE VOLUNTEERING PROGRAM**

### **CYCLONE RELIEF WORK**

Cyclone TAUTE adversely affected lives of people residing in coastal villages of Bharuch. Port team along with NDRF and local police worked round the clock for people' safety. Police has shifted residents of Navinagri (Lakhigam) to safe place Lakhababa campus. Adani Dahej Port, as a responsible corporate took the responsibility of taking care of villagers – by providing meals to 450 people of Navinagri (400) and Jageshwar (50) for two times and two days.

### **Support in COVID relief work**

Adani Dahej Port supported Community Health Centre, Vagra by 200 surgical face masks and 11 oximeters. CHC Vagra has 13 beds Covid Care Centre. Port employees contributed Rs.1.44 lacs in treatment of Mr. Jagdish Vasava who had covid.

## Support in COVID Relief work

Adani Foundation and Adani Dahej Port provided 10 oxygen concentrators to District Administration, Bharuch. These oxygen concentrators are in use in 5 remotely located Community Health Centres (CHC) of different blocks of Bharuch District. AF team visited all 5 CHCs and had meetings with Medical Officers on

- Working condition of concentrators: Out of 10 concentrators, 2 were found non – functional – 1 of Hasot and 1 of Avidha. Their replacement process has begun.
- Use of concentrators after COVID wave:
- All MOs have the opinion that these would be utilized for new born babies too.
- Feedback: MOs found O2 concentrators handy, easy to use, 10 litre capacity and at a time 2 patients would inhale oxygen.

| S.N | Name of CHC   | Block      | No. of concentrator |
|-----|---------------|------------|---------------------|
| 1   | CHC, Jambusar | Jambusar   | 3                   |
| 2   | CHC, Amod     | Jambusar   | 2                   |
| 3   | CHC, Avidha   | Jhagdia    | 3                   |
| 4   | CHC, Umalla   | Jhagdia    | 1                   |
| 5   | CHC, Hasot    | Ankleshwar | 1                   |



## Community Infrastructure Development

Luvara village pond work started on 5<sup>th</sup> July 2021.

strengthening of the pond – Edge repair and opening of outlet.

Luvara village has only one pond and this is the only source of water for animals. Pre-condition of the pond was very bad as all sides were full of thorns and edges get damaged. At one-point level of the pond touched the road. During rainy season pond water entered in village as outlet was choked.

383 animals of 54 families would get benefitted from this work.

Luvara Gram Panchayat and villagers expressed their gratitude towards Adani Foundation as their long awaited pond work has started.



Pre-condition of Luvara Pond



After strengthening work of Luvara pond

## SUCCESS STORY

### AF' services are valuable

**Name of beneficiary: Raj Balvantsinh Amarsinh**

**Village: Vengani**

**Age: 63years**

I am a landless farmer. Pashudhan is my source of livelihood. I earn by selling milk in dairy centre of my village. 2 years back I purchased 1 lactating cow from nearby village @ Rs. 70,000/-. After 3 months of post calving my cow came in heat. I called our village AITs for AI but after 1 month it came to know that cow again shows sign of heat. This series continued with up to 20 times. During this period, I called many AITs from Vagara Tehsil & Bharuch Tehsil but each time I felt sad because of negative message. That's why I gave up inseminating this cow and took decision to sold her. Here also, I got frustration - no one wanted to buy this cow.



One day my neighbor suggested me to contact AF sponsored Cattle Breeding Centre, Dahej. I took CBC in-charge mobile no. called him and opened up all my frustration in front of him. After my call CBC technician came to my home and examined animal and suggested me for feeding lacuna which I follow traditionally. As per his suggestion necessary changes done and next time this cow came in heat. This time CBC in-charge inseminated her with BAIF semen. After 3 months of post AI by CBC technician gave me cow's pregnancy message. After hearing of this message I found myself fortunate and gave thanks to Adani Foundation for their proper guidance and timely services at doorstep.

Apart from this I also got another benefit for my 18-month heifer. This heifer is also pregnant at this time. Thank you Adani Foundation.

## અદાણી ફાઉન્ડેશન, અને કૃષિ વિજ્ઞાન કેન્દ્રના સંયુક્ત ઉપક્રમે તુવેર જીટી ૧૦૪ બીયારણનું વિતરણ

(પ્રતિનિધિ)

વલસરા, તા. ૨૧

દહેલ્લ વિસ્તારમાં ખેડૂતો અને ખેતીના વિકાસ માટે અદાણી ફાઉન્ડેશન દ્વારા અન્નપુર્ણા પ્રોજેક્ટની આ વર્ષથી શરૂઆત કરવામાં આવી છે. આ પ્રોજેક્ટની શરૂઆત કરતા પહેલા અદાણી ફાઉન્ડેશન અને કૃષિ વિજ્ઞાન કેન્દ્ર ટીમ દ્વારા દહેલ્લ વિસ્તારની મુલાકાત લેવામાં આવી હતી સાથે ખેડૂતોની મુલાકાત લઈને ખેડૂતો અને ખેતી પરિસ્થિતિને ધ્યાનમાં રાખી કૃષિ વિજ્ઞાન કેન્દ્ર દ્વારા અન્નપુર્ણા પ્રોજેક્ટ પ્રબોધ સંપર્મીટ કરવામાં આવ્યું હતું. તે પ્રમાણે અદાણી ફાઉન્ડેશન દહેલ્લ વિસ્તારમાં ખેડૂતો અને ખેતીના વિકાસ માટે કાર્ય કરશે ની નેમ વ્યકત કરવામાં આવી હતી. અન્નપુર્ણા પ્રોજેક્ટ અંતર્ગત કૃષિ વિજ્ઞાન કેન્દ્ર, ચાસવડ દ્વારા ખેડૂતો માટે તુવેર જીટી ૧૦૪ બીયારણ રહિયાદ, કોલીયાદ અને કલાદ્રા ગામમાં ૨૩ ખેડૂતોને વિતરણ કરવામાં આવ્યું હતું.



અદાણી ફાઉન્ડેશન દ્વારા ખેડૂતોને વિના મૂલ્યે બિયારણ વિતરણ કરાયું હતું. (તસ્વીર : સૈયદ અમજદ, વાગરા)

૧૦૪ તુવેર બીયારણની વેરાયટી ફી મા ૩મો પ્લોટ માટે ખેડૂતોને વિતરણ કરવામાં આવ્યું હતું. કૃષિ વિજ્ઞાન કેન્દ્ર, ચાસવડ દ્વારા આ હાથશ્રીડ વેરાયટીથી ખેડૂતોને થતા ફાયદા વિશે વિસ્તારથી સમલ પુરી પાડવામાં આવી હતી.

# લડત

## અદાણી ફાઉન્ડેશન દ્વારા જાગેશ્વર ગામમાં આંતરરાષ્ટ્રિય યોગ દિવસની ઉજવણી



કાર્યક્રમમાં બહેનોએ વિવિધ પ્રકારના યોગાસનો કર્યા જેમાં કુભકાસન, કોણાસન, તાડાસન, પદમાસન, વ્રજાઆસન, વૃક્ષાસન, દયાનઆસન, સુર્ય નમસ્કાર કરવામાં આવ્યા હતા. અદાણી ફાઉન્ડેશન કાર્યક્રમ દ્વારા આરોગ્ય નિરોગી રાખવા, માનસિક સ્વાસ્થ્ય જાળવવા તથા હૃદયરોગ જેવા રોગોને નિયંત્રણમાં રાખવા વિવિધ આસનો અને તેનું મહત્વ બતાવવામાં આવ્યું હતું. સમગ્ર જાગેશ્વર ગામમાં જાગનાથ લીધો અદાણી ફાઉન્ડેશન મહાદેવ મંદિરના સ્થળે દ્વારા યોગનું મહત્વ અને ઉજવવામાં આવ્યું. જેમાં ફાયદા બતાવવામાં આવ્યા. સહકાર મળ્યો હતો.

૨૧ જુન આંતરરાષ્ટ્રીય કુલ-૨૫ કિશોરી અને યોગ દિવસ દહેલ્લ વિસ્તારના બહેનોએ ઉત્સાહપુર્વક ભાગ લીધો અદાણી ફાઉન્ડેશન દ્વારા યોગનું મહત્વ અને ફાયદા બતાવવામાં આવ્યા. સહકાર મળ્યો હતો.

નથી? ગાર્ડ-પોડ માં જગ્યા નથી તો નોટિફાઇડ વિભાગ દ્વારા એક્સપોઝર્ટ પર્મિટ કેમ રોકવામાં આવતું નથી? ઉદ્યોગો એ પછાત આવા સંજોગો માં એક્સપોઝર્ટ ના ના ગુન્હા બાબતે પ્રકૃતિ સુરક્ષા ડિવિઝન દ્વારા ૧૨ વ વગ્યે ડીપોસિટી બે બંધાવી ખાસમાં નિકાલ કરતા પકડાયા હતા એને તે પાબત કોર્ટ રીપોર્ટિંગ પ્લાન્ટ હાલ મંજૂરી વગર થાલી રહ્યું છે અને તેમાં પણ ખાવા ગેર-કૃત્યો થતા હોય તો એવું જ કેહવાય કે વાડ જ રીલ્ડાં ગળે છે.

સમાચાર મય  
11.08.2021

## અદાણી ફાઉન્ડેશન, દહેજના સૌજન્યથી સાધદાદા મહીલા સભી મંડળ દ્વારા અમુલ પાલ્ડેરનું ઉદ્ઘાટન



અદાણી ફાઉન્ડેશન અને લખી ગામના એસએચજી (SHG) સાધદાદા મહિલા સભી મંડળ દ્વારા મહિલા સભી મંડળનું અમુલ પાલ્ડેર ખોલવાનું સ્વપ્ન સાકાર થયું છે. પાલ્ડેરના ઉદ્ઘાટન સમારોહની શરૂઆત પૂજા-અર્ચના સાથે કરી હતી. પૂજા બાદ પાલ્ડેરનું વિધિવત ઉદ્ઘાટન કરવામાં આવ્યું હતું. આ પ્રસંગે નાયબ સરપંચ લખી ગામ અજયગોહિલ, અદાણી પોર્ટ અને અદાણી ફાઉન્ડેશનની ટીમ, સ્વ-સહાય જૂથોના સભ્યો અને અન્ય ગામજનો ઉપસ્થિત રહ્યા હતા. અદાણી ફાઉન્ડેશન અને લાઈવ લીહુડ મીશનમ ગુજરાત અને ગ્રામ પંચાયત દ્વારા અમુલ પાલ્ડેર માટે વિવિધ રીતે મદદ કરવામાં આવી છે જ્યારે SHG દ્વારા પણ પાલ્ડેર શરૂ કરવા માટે નાણાકિય સહયોગ આપવામાં આવેલ છે.

આ ૧૧ સભ્યોના જૂથની શરૂઆત ડિસેમ્બર ૨૦૧૮માં શરૂ થઈ, ત્યાર બાદ ઘણી મીટિંગો બાદ આખરે SHG



રચના અને આજીવિકા મિશન હેઠળ નોંધણી ફેબ્રુઆરી ૨૦૨૦ માં કરવામાં આવ્યું હતું. સભ્યોએ એક્સપોઝર્ટ મુલાકાત ઓફલાઈન અને ઓનલાઈન તાલીમમાં ભાગ લીધો હતો. જાન્યુઆરી ૨૦૨૧ માં લખી ગામ ક્રિકેટ ટૂર્નામેન્ટ દરમિયાન નાસ્તાની તૈયારી માટેનો તેને પ્રથમ ઓર્ડર પણ મળ્યો હતો. SHG સાધદાદા મહિલા સભી મંડળના બધા બહેનો અદાણી ફાઉન્ડેશનના સહયોગ બદલ ખૂબ ખૂબ આભાર માન્યો.

સમાચાર મય  
11.08.2021

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અદાણી ફાઉન્ડેશન અને લખી ગામના એસએચજી (SHG) સાધદાદા મહિલા સભી મંડળ દ્વારા મહિલા સભી મંડળનું અમુલ પાલ્ડેર ખોલવાનું સ્વપ્ન સાકાર થયું છે. પાલ્ડેરના ઉદ્ઘાટન સમારોહની શરૂઆત પૂજા-અર્ચના સાથે કરી હતી. પૂજા બાદ પાલ્ડેરનું વિધિવત ઉદ્ઘાટન કરવામાં આવ્યું હતું. આ પ્રસંગે નાયબ સરપંચ લખી ગામ અજયગોહિલ, અદાણી પોર્ટ અને અદાણી ફાઉન્ડેશનની ટીમ, સ્વ-સહાય જૂથોના સભ્યો અને અન્ય ગામજનો ઉપસ્થિત રહ્યા હતા. અદાણી ફાઉન્ડેશન અને લાઈવ લીહુડ મીશનમ ગુજરાત અને ગ્રામ પંચાયત દ્વારા અમુલ પાલ્ડેર માટે વિવિધ રીતે મદદ કરવામાં આવી છે જ્યારે SHG દ્વારા પણ પાલ્ડેર શરૂ કરવા માટે નાણાકિય સહયોગ આપવામાં આવેલ છે.

આ ૧૧ સભ્યોના જૂથની શરૂઆત ડિસેમ્બર ૨૦૧૮માં શરૂ થઈ, ત્યાર બાદ ઘણી મીટિંગો બાદ આખરે SHG

રચના અને આજીવિકા મિશન હેઠળ નોંધણી ફેબ્રુઆરી ૨૦૨૦ માં કરવામાં આવ્યું હતું. સભ્યોએ એક્સપોઝર્ટ મુલાકાત ઓફલાઈન અને ઓનલાઈન તાલીમમાં ભાગ લીધો હતો. જાન્યુઆરી ૨૦૨૧ માં લખી ગામ ક્રિકેટ ટૂર્નામેન્ટ દરમિયાન નાસ્તાની તૈયારી માટેનો તેને પ્રથમ ઓર્ડર પણ મળ્યો હતો. SHG સાધદાદા મહિલા સભી મંડળના બધા બહેનો અદાણી ફાઉન્ડેશનના સહયોગ બદલ ખૂબ ખૂબ આભાર માન્યો.

## APPRECIATION



# Annexure -3

**Environment Monitoring Report for the period from April-21 to September-21**
**3A. AMBIENT AIR QUALITY MONITORING: -**
**Table No.: 1.1 - Ambient Air Quality Monitoring Results At Near Marine Building**

| Sr. No. | Date of Sampling | Location-1: Near Marine Building |                   |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |
|---------|------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
|         |                  | PM <sub>10</sub>                 | PM <sub>2.5</sub> | Pb                | BaP               | As                | Ni                | CO                | C <sub>6</sub> H <sub>6</sub> | NH <sub>3</sub>   | SO <sub>2</sub>   | NO <sub>x</sub>   | O <sub>3</sub>    |
|         |                  | µg/m <sup>3</sup>                | µg/m <sup>3</sup> | µg/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | mg/m <sup>3</sup> | µg/m <sup>3</sup>             | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> |
| 1       | 02/04/2021       | 83.61                            | 44.22             | ND*               | ND*               | ND*               | ND*               | 0.87              | ND*                           | 37.69             | 20.34             | 29.51             | 24.5              |
| 2       | 06/04/2021       | 75.55                            | 40.56             | ND*               | ND*               | ND*               | ND*               | 0.98              | ND*                           | 22.33             | 12.67             | 35.41             | 29.58             |
| 3       | 09/04/2021       | 86.35                            | 46.60             | 0.75              | ND*               | 2.22              | 10.27             | 0.90              | ND*                           | 34.22             | 25.26             | 39.27             | 26.29             |
| 4       | 13/04/2021       | 69.35                            | 33.56             | ND*               | ND*               | ND*               | ND*               | 0.63              | ND*                           | 24.64             | 18.66             | 32.61             | 22.6              |
| 5       | 16/04/2021       | 91.50                            | 48.35             | ND*               | ND*               | ND*               | ND*               | 0.71              | ND*                           | 32.28             | 21.30             | 43.43             | 23.57             |
| 6       | 20/04/2021       | 85.35                            | 43.24             | ND*               | ND*               | ND*               | ND*               | 0.76              | ND*                           | 26.49             | 23.62             | 37.59             | 19.5              |
| 7       | 23/04/2021       | 93.47                            | 52.66             | 0.65              | ND*               | 2.46              | 10.76             | 0.89              | ND*                           | 35.20             | 16.49             | 31.59             | 27.5              |
| 8       | 27/04/2021       | 79.40                            | 37.53             | ND*               | ND*               | ND*               | ND*               | 0.57              | ND*                           | 38.55             | 26.27             | 34.63             | 18.38             |
| 9       | 30/04/2021       | 88.53                            | 47.37             | 0.56              | ND*               | 2.36              | 10.72             | 0.62              | ND*                           | 30.16             | 19.36             | 38.50             | 25.64             |
| 10      | 04/05/2021       | 79.67                            | 46.76             | ND*               | ND*               | ND*               | ND*               | 0.69              | ND*                           | 33.42             | 15.58             | 38.42             | 28.46             |
| 11      | 07/05/2021       | 91.59                            | 51.55             | 0.72              | ND*               | 2.48              | 10.23             | 0.85              | ND*                           | 28.45             | 20.80             | 30.49             | 26.19             |
| 12      | 11/05/2021       | 80.47                            | 42.56             | ND*               | ND*               | ND*               | ND*               | 0.73              | ND*                           | 36.55             | 17.52             | 33.41             | 21.23             |
| 13      | 14/05/2021       | 90.30                            | 50.21             | ND*               | ND*               | ND*               | ND*               | 0.80              | ND*                           | 39.43             | 22.49             | 36.27             | 24.68             |
| 14      | 20/05/2021       | 68.30                            | 29.50             | ND*               | ND*               | ND*               | ND*               | 0.47              | ND*                           | 29.38             | 26.17             | 41.21             | 29.41             |
| 15      | 21/05/2021       | 94.53                            | 54.21             | 0.82              | ND*               | 2.52              | 10.56             | 0.55              | ND*                           | 23.59             | 24.23             | 39.37             | 25.21             |
| 16      | 25/05/2021       | 82.47                            | 39.63             | ND*               | ND*               | ND*               | ND*               | 0.62              | ND*                           | 31.50             | 18.38             | 32.64             | 20.62             |
| 17      | 28/05/2021       | 74.26                            | 35.46             | ND*               | ND*               | ND*               | ND*               | 0.78              | ND*                           | 25.63             | 21.77             | 35.30             | 27.52             |
| 18      | 01/06/2021       | 76.55                            | 37.52             | ND*               | ND*               | ND*               | ND*               | 0.94              | ND*                           | 35.66             | 14.35             | 32.45             | 20.52             |
| 19      | 04/06/2021       | 90.20                            | 48.45             | 0.62              | ND*               | 2.46              | 10.64             | 0.70              | ND*                           | 30.46             | 19.28             | 43.55             | 27.71             |
| 20      | 08/06/2021       | 83.47                            | 44.19             | ND*               | ND*               | ND*               | ND*               | 0.64              | ND*                           | 27.58             | 22.44             | 38.42             | 29.45             |
| 21      | 11/06/2021       | 72.60                            | 38.40             | ND*               | ND*               | ND*               | ND*               | 0.58              | ND*                           | 23.46             | 17.55             | 35.57             | 23.63             |
| 22      | 15/06/2021       | 89.49                            | 45.31             | ND*               | ND*               | ND*               | 10.53             | 0.89              | ND*                           | 38.41             | 23.38             | 40.49             | 18.47             |
| 23      | 18/06/2021       | 92.69                            | 55.26             | 0.70              | ND*               | 2.62              | ND*               | 0.69              | ND*                           | 28.41             | 15.39             | 29.68             | 26.21             |


**Authorized Signatory**


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

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

|    |            |       |       |      |     |      |       |      |     |       |       |       |       |
|----|------------|-------|-------|------|-----|------|-------|------|-----|-------|-------|-------|-------|
| 24 | 22/06/2021 | 71.25 | 34.54 | ND*  | ND* | ND*  | ND*   | 0.72 | ND* | 26.38 | 21.57 | 33.64 | 19.28 |
| 25 | 25/06/2021 | 91.50 | 50.25 | 0.58 | ND* | 2.32 | 10.41 | 0.80 | ND* | 36.28 | 18.42 | 37.56 | 25.59 |
| 26 | 29/06/2021 | 69.62 | 36.55 | ND*  | ND* | ND*  | ND*   | 0.53 | ND* | 29.45 | 24.66 | 34.19 | 21.74 |
| 27 | 02/07/2021 | 75.61 | 39.48 | ND*  | ND* | ND*  | ND*   | 1.02 | ND* | 30.23 | 22.61 | 31.86 | 21.67 |
| 28 | 06/07/2021 | 94.33 | 55.33 | 0.80 | ND* | 2.36 | 10.53 | 0.94 | ND* | 24.95 | 18.73 | 37.52 | 25.09 |
| 29 | 09/07/2021 | 82.62 | 40.30 | ND*  | ND* | ND*  | ND*   | 0.87 | ND* | 32.89 | 16.46 | 34.32 | 18.96 |
| 30 | 13/07/2021 | 88.68 | 48.37 | ND*  | ND* | ND*  | ND*   | 0.98 | ND* | 17.34 | 25.35 | 42.62 | 28.37 |
| 31 | 16/07/2021 | 93.21 | 50.23 | 0.68 | ND* | 2.62 | 10.65 | 1.04 | ND* | 35.62 | 24.53 | 36.48 | 26.21 |
| 32 | 20/07/2021 | 74.50 | 38.47 | ND*  | ND* | ND*  | ND*   | 0.85 | ND* | 22.23 | 17.54 | 23.89 | 22.62 |
| 33 | 23/07/2021 | 80.38 | 49.20 | ND*  | ND* | ND*  | ND*   | 1.00 | ND* | 33.56 | 19.36 | 30.61 | 27.22 |
| 34 | 27/07/2021 | 90.22 | 51.29 | 0.82 | ND* | 2.46 | 10.35 | 0.68 | ND* | 19.36 | 23.42 | 40.52 | 20.68 |
| 35 | 30/07/2021 | 86.22 | 46.27 | ND*  | ND* | ND*  | ND*   | 0.95 | ND* | 26.82 | 20.14 | 35.80 | 24.22 |
| 36 | 03/08/2021 | 83.42 | 40.55 | ND*  | ND* | ND*  | ND*   | 0.89 | ND* | 36.54 | 15.67 | 39.45 | 27.63 |
| 37 | 06/08/2021 | 77.35 | 44.36 | 0.59 | ND* | 2.62 | 10.74 | 0.66 | ND* | 44.32 | 25.39 | 36.53 | 30.45 |
| 38 | 10/08/2021 | 69.98 | 36.51 | ND*  | ND* | ND*  | ND*   | 1.02 | ND* | 21.83 | 18.62 | 28.62 | 23.46 |
| 39 | 13/08/2021 | 78.36 | 34.80 | 0.78 | ND* | 2.82 | 10.41 | 0.70 | ND* | 42.63 | 26.31 | 30.47 | 29.49 |
| 40 | 17/08/2021 | 64.20 | 28.59 | ND*  | ND* | ND*  | ND*   | 0.77 | ND* | 37.56 | 21.26 | 33.72 | 22.57 |
| 41 | 20/08/2021 | 75.42 | 42.35 | ND*  | ND* | ND*  | ND*   | 0.52 | ND* | 31.37 | 23.47 | 40.24 | 28.4  |
| 42 | 24/08/2021 | 79.62 | 45.38 | ND*  | ND* | ND*  | ND*   | 0.84 | ND* | 25.55 | 14.66 | 37.81 | 21.24 |
| 43 | 27/08/2021 | 84.30 | 48.43 | 0.65 | ND* | 2.54 | 10.07 | 0.50 | ND* | 34.53 | 22.31 | 32.61 | 15.69 |
| 44 | 31/08/2021 | 63.39 | 33.61 | ND*  | ND* | ND*  | ND*   | 0.79 | ND* | 30.20 | 17.48 | 41.29 | 26.88 |
| 45 | 03/09/2021 | 77.68 | 42.31 | 0.58 | ND* | 2.34 | 10.46 | 0.50 | ND* | 26.44 | 23.51 | 33.19 | 28.09 |
| 46 | 07/09/2021 | 67.32 | 28.48 | ND*  | ND* | ND*  | ND*   | 0.80 | ND* | 30.23 | 20.55 | 35.60 | 24.66 |
| 47 | 10/09/2021 | 78.60 | 43.65 | 0.65 | ND* | 2.46 | 10.65 | 0.74 | ND* | 27.54 | 24.31 | 40.34 | 26.34 |
| 48 | 14/09/2021 | 70.34 | 30.61 | ND*  | ND* | ND*  | ND*   | 0.52 | ND* | 34.53 | 18.42 | 26.44 | 20.86 |
| 49 | 17/09/2021 | 61.55 | 33.50 | ND*  | ND* | ND*  | ND*   | 0.92 | ND* | 28.34 | 16.23 | 37.56 | 19.43 |
| 50 | 21/09/2021 | 82.30 | 44.93 | 0.71 | ND* | 2.56 | 10.76 | 0.70 | ND* | 23.68 | 19.56 | 31.58 | 23.96 |
| 51 | 24/09/2021 | 76.61 | 37.50 | ND*  | ND* | ND*  | ND*   | 0.78 | ND* | 32.18 | 25.28 | 38.61 | 25.46 |
| 52 | 28/09/2021 | 68.48 | 31.52 | ND*  | ND* | ND*  | ND*   | 0.81 | ND* | 21.12 | 15.66 | 34.51 | 14.95 |

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

**Note:** ND\*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>



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

**Table No.: 1.2 - Ambient Air Quality Monitoring Results At Near PMC Building**

| Sr. No. | Date of Sampling | Location-2: Near PMC Building |                   |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |
|---------|------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
|         |                  | PM <sub>10</sub>              | PM <sub>2.5</sub> | Pb                | BaP               | As                | Ni                | CO                | C <sub>6</sub> H <sub>6</sub> | NH <sub>3</sub>   | SO <sub>2</sub>   | NO <sub>x</sub>   | O <sub>3</sub>    |
|         |                  | µg/m <sup>3</sup>             | µg/m <sup>3</sup> | µg/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | mg/m <sup>3</sup> | µg/m <sup>3</sup>             | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> |
| 1       | 02/04/2021       | 76.28                         | 35.39             | ND*               | ND*               | ND*               | ND*               | 0.39              | ND*                           | 28.56             | 13.58             | 19.50             | 16.29             |
| 2       | 06/04/2021       | 69.58                         | 32.57             | ND*               | ND*               | ND*               | ND*               | 0.66              | ND*                           | 14.58             | 16.35             | 28.25             | 19.32             |
| 3       | 09/04/2021       | 55.61                         | 28.35             | ND*               | ND*               | ND*               | ND*               | 0.54              | ND*                           | 23.22             | 12.49             | 30.46             | 14.21             |
| 4       | 13/04/2021       | 62.67                         | 26.54             | ND*               | ND*               | ND*               | ND*               | 0.41              | ND*                           | 18.64             | 9.63              | 22.83             | 20.21             |
| 5       | 16/04/2021       | 75.30                         | 43.54             | ND*               | ND*               | ND*               | ND*               | 0.37              | ND*                           | 13.68             | 23.58             | 35.61             | 17.5              |
| 6       | 20/04/2021       | 54.31                         | 36.72             | ND*               | ND*               | ND*               | ND*               | 0.52              | ND*                           | 24.56             | 15.14             | 25.77             | 12.63             |
| 7       | 23/04/2021       | 71.51                         | 39.57             | ND*               | ND*               | ND*               | ND*               | 0.47              | ND*                           | 27.67             | 20.26             | 29.43             | 18.67             |
| 8       | 27/04/2021       | 60.27                         | 24.22             | ND*               | ND*               | ND*               | ND*               | 0.25              | ND*                           | 16.45             | 21.66             | 32.15             | 24.21             |
| 9       | 30/04/2021       | 70.53                         | 31.33             | ND*               | ND*               | ND*               | ND*               | 0.19              | ND*                           | 21.42             | 11.88             | 24.50             | 21.32             |
| 10      | 04/05/2021       | 68.52                         | 27.88             | ND*               | ND*               | ND*               | ND*               | 0.52              | ND*                           | 18.58             | 21.27             | 31.54             | 14.69             |
| 11      | 07/05/2021       | 70.38                         | 38.40             | ND*               | ND*               | ND*               | ND*               | 0.48              | ND*                           | 10.45             | 15.67             | 21.50             | 21.62             |
| 12      | 11/05/2021       | 48.37                         | 23.69             | ND*               | ND*               | ND*               | ND*               | 0.41              | ND*                           | 25.31             | 11.24             | 18.48             | 24.29             |
| 13      | 14/05/2021       | 79.30                         | 34.81             | ND*               | ND*               | ND*               | ND*               | 0.63              | ND*                           | 15.47             | 13.54             | 25.47             | 15.49             |
| 14      | 20/05/2021       | 53.60                         | 20.62             | ND*               | ND*               | ND*               | ND*               | 0.27              | ND*                           | 21.22             | 16.88             | 32.46             | 26.31             |
| 15      | 21/05/2021       | 75.62                         | 43.48             | ND*               | ND*               | ND*               | ND*               | 0.40              | ND*                           | 16.34             | 18.21             | 29.47             | 11.21             |
| 16      | 25/05/2021       | 67.55                         | 25.60             | ND*               | ND*               | ND*               | ND*               | 0.31              | ND*                           | 24.27             | 12.41             | 23.22             | 17.29             |
| 17      | 28/05/2021       | 52.48                         | 29.65             | ND*               | ND*               | ND*               | ND*               | 0.54              | ND*                           | 11.53             | 9.66              | 19.36             | 22.56             |
| 18      | 01/06/2021       | 56.32                         | 25.33             | ND*               | ND*               | ND*               | ND*               | 0.68              | ND*                           | 27.83             | 11.54             | 18.66             | 18.27             |
| 19      | 04/06/2021       | 74.27                         | 45.33             | ND*               | ND*               | ND*               | ND*               | 0.33              | ND*                           | 23.80             | 21.25             | 38.56             | 20.64             |
| 20      | 08/06/2021       | 65.68                         | 39.39             | ND*               | ND*               | ND*               | ND*               | 0.27              | ND*                           | 20.64             | 18.62             | 35.28             | 16.46             |
| 21      | 11/06/2021       | 57.58                         | 35.68             | ND*               | ND*               | ND*               | ND*               | 0.56              | ND*                           | 16.39             | 10.65             | 27.62             | 10.31             |
| 22      | 15/06/2021       | 82.60                         | 40.54             | ND*               | ND*               | ND*               | ND*               | 0.50              | ND*                           | 25.65             | 12.54             | 26.70             | 24.28             |
| 23      | 18/06/2021       | 73.40                         | 37.23             | ND*               | ND*               | ND*               | ND*               | 0.39              | ND*                           | 12.51             | 6.32              | 14.51             | 28.44             |
| 24      | 22/06/2021       | 55.62                         | 26.21             | ND*               | ND*               | ND*               | ND*               | 0.29              | ND*                           | 15.34             | 8.75              | 19.38             | 15.32             |
| 25      | 25/06/2021       | 70.60                         | 36.25             | ND*               | ND*               | ND*               | ND*               | 0.46              | ND*                           | 21.23             | 13.91             | 30.61             | 17.31             |
| 26      | 29/06/2021       | 53.72                         | 27.56             | ND*               | ND*               | ND*               | ND*               | 0.57              | ND*                           | 24.27             | 17.67             | 25.69             | 12.39             |


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

|    |            |       |       |     |     |     |     |      |     |       |       |       |       |
|----|------------|-------|-------|-----|-----|-----|-----|------|-----|-------|-------|-------|-------|
| 27 | 02/07/2021 | 62.30 | 31.55 | ND* | ND* | ND* | ND* | 0.41 | ND* | 16.40 | 18.28 | 24.30 | 11.3  |
| 28 | 06/07/2021 | 78.61 | 35.50 | ND* | ND* | ND* | ND* | 0.77 | ND* | 32.37 | 10.67 | 29.51 | 16.49 |
| 29 | 09/07/2021 | 69.35 | 38.68 | ND* | ND* | ND* | ND* | 0.63 | ND* | 28.40 | 14.19 | 32.61 | 12.45 |
| 30 | 13/07/2021 | 75.35 | 41.25 | ND* | ND* | ND* | ND* | 0.37 | ND* | 13.17 | 16.91 | 38.42 | 14.53 |
| 31 | 16/07/2021 | 89.39 | 46.53 | ND* | ND* | ND* | ND* | 0.31 | ND* | 31.52 | 13.44 | 28.43 | 23.48 |
| 32 | 20/07/2021 | 52.56 | 21.35 | ND* | ND* | ND* | ND* | 0.54 | ND* | 18.37 | 9.67  | 18.63 | 17.7  |
| 33 | 23/07/2021 | 68.61 | 37.52 | ND* | ND* | ND* | ND* | 0.49 | ND* | 23.62 | 17.37 | 27.36 | 21.57 |
| 34 | 27/07/2021 | 77.50 | 27.59 | ND* | ND* | ND* | ND* | 0.62 | ND* | 10.38 | 19.49 | 31.30 | 24.6  |
| 35 | 30/07/2021 | 64.52 | 34.51 | ND* | ND* | ND* | ND* | 0.33 | ND* | 15.64 | 15.56 | 21.24 | 13.72 |
| 36 | 03/08/2021 | 73.60 | 30.37 | ND* | ND* | ND* | ND* | 0.82 | ND* | 18.38 | 21.68 | 32.42 | 14.32 |
| 37 | 06/08/2021 | 65.34 | 37.54 | ND* | ND* | ND* | ND* | 0.60 | ND* | 38.68 | 17.83 | 24.35 | 19.37 |
| 38 | 10/08/2021 | 57.62 | 17.42 | ND* | ND* | ND* | ND* | 0.38 | ND* | 16.34 | 9.31  | 20.63 | 10.54 |
| 39 | 13/08/2021 | 68.52 | 33.40 | ND* | ND* | ND* | ND* | 0.23 | ND* | 14.79 | 15.51 | 33.56 | 12.89 |
| 40 | 17/08/2021 | 59.31 | 25.37 | ND* | ND* | ND* | ND* | 0.64 | ND* | 28.33 | 10.35 | 21.52 | 18.09 |
| 41 | 20/08/2021 | 70.51 | 39.20 | ND* | ND* | ND* | ND* | 0.26 | ND* | 23.30 | 18.41 | 35.66 | 23.26 |
| 42 | 24/08/2021 | 63.34 | 35.33 | ND* | ND* | ND* | ND* | 0.73 | ND* | 21.21 | 7.40  | 22.63 | 24.43 |
| 43 | 27/08/2021 | 72.42 | 32.42 | ND* | ND* | ND* | ND* | 0.32 | ND* | 17.55 | 14.16 | 25.85 | 13.24 |
| 44 | 31/08/2021 | 50.62 | 26.59 | ND* | ND* | ND* | ND* | 0.41 | ND* | 13.27 | 19.56 | 28.46 | 16.74 |
| 45 | 03/09/2021 | 68.38 | 34.30 | ND* | ND* | ND* | ND* | 0.29 | ND* | 12.40 | 10.41 | 29.42 | 25.3  |
| 46 | 07/09/2021 | 47.32 | 18.35 | ND* | ND* | ND* | ND* | 0.32 | ND* | 22.66 | 16.46 | 33.55 | 22.56 |
| 47 | 10/09/2021 | 56.33 | 30.46 | ND* | ND* | ND* | ND* | 0.47 | ND* | 18.54 | 21.35 | 37.59 | 17.31 |
| 48 | 14/09/2021 | 63.62 | 27.38 | ND* | ND* | ND* | ND* | 0.62 | ND* | 10.55 | 12.51 | 18.65 | 15.86 |
| 49 | 17/09/2021 | 48.67 | 23.62 | ND* | ND* | ND* | ND* | 0.72 | ND* | 16.62 | 9.52  | 22.41 | 14.32 |
| 50 | 21/09/2021 | 72.68 | 36.98 | ND* | ND* | ND* | ND* | 0.49 | ND* | 19.69 | 17.71 | 25.66 | 26.56 |
| 51 | 24/09/2021 | 67.25 | 28.35 | ND* | ND* | ND* | ND* | 0.30 | ND* | 20.49 | 15.29 | 28.33 | 16.31 |
| 52 | 28/09/2021 | 59.34 | 25.40 | ND* | ND* | ND* | ND* | 0.44 | ND* | 11.21 | 11.24 | 20.31 | 18.51 |

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

**Note:**ND\*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>



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

**Table No.: 1.3 - Ambient Air Quality Monitoring Results At Sub-Station-7B Building**

| Sr. No. | Date of Sampling | Location-3: Sub-Station-7B Building |                   |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |
|---------|------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
|         |                  | PM <sub>10</sub>                    | PM <sub>2.5</sub> | Pb                | BaP               | As                | Ni                | CO                | C <sub>6</sub> H <sub>6</sub> | NH <sub>3</sub>   | SO <sub>2</sub>   | NO <sub>x</sub>   | O <sub>3</sub>    |
|         |                  | µg/m <sup>3</sup>                   | µg/m <sup>3</sup> | µg/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | mg/m <sup>3</sup> | µg/m <sup>3</sup>             | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> |
| 1       | 02/04/2021       | 55.36                               | 21.54             | ND*               | ND*               | ND*               | ND*               | 0.61              | ND*                           | 15.63             | 12.86             | 24.34             | 11.34             |
| 2       | 06/04/2021       | 48.36                               | 18.59             | ND*               | ND*               | ND*               | ND*               | 0.60              | ND*                           | 12.60             | 11.26             | 19.22             | 15.66             |
| 3       | 09/04/2021       | 50.38                               | 25.34             | ND*               | ND*               | ND*               | ND*               | 0.48              | ND*                           | 19.22             | 18.56             | 22.67             | 20.36             |
| 4       | 13/04/2021       | 56.31                               | 22.46             | ND*               | ND*               | ND*               | ND*               | 0.21              | ND*                           | 10.49             | 15.32             | 18.59             | 10.27             |
| 5       | 16/04/2021       | 67.52                               | 32.80             | ND*               | ND*               | ND*               | ND*               | 0.40              | ND*                           | 20.25             | 9.91              | 32.30             | 25.29             |
| 6       | 20/04/2021       | 74.24                               | 29.65             | ND*               | ND*               | ND*               | ND*               | 0.46              | ND*                           | 11.11             | 13.22             | 21.20             | 14.84             |
| 7       | 23/04/2021       | 60.60                               | 35.33             | ND*               | ND*               | ND*               | ND*               | 0.32              | ND*                           | 14.26             | 6.53              | 15.61             | 12.49             |
| 8       | 27/04/2021       | 70.25                               | 30.23             | ND*               | ND*               | ND*               | ND*               | 0.42              | ND*                           | 22.63             | 8.54              | 25.70             | 16.67             |
| 9       | 30/04/2021       | 76.51                               | 43.18             | ND*               | ND*               | ND*               | ND*               | 0.36              | ND*                           | 18.33             | 14.51             | 30.62             | 18.7              |
| 10      | 04/05/2021       | 63.22                               | 34.49             | ND*               | ND*               | ND*               | ND*               | 0.22              | ND*                           | 24.50             | 9.57              | 22.62             | 21.5              |
| 11      | 07/05/2021       | 80.32                               | 31.54             | ND*               | ND*               | ND*               | ND*               | 0.57              | ND*                           | 21.54             | 13.31             | 18.67             | 12.47             |
| 12      | 11/05/2021       | 68.50                               | 28.65             | ND*               | ND*               | ND*               | ND*               | 0.39              | ND*                           | 28.29             | 16.22             | 28.49             | 10.3              |
| 13      | 14/05/2021       | 54.60                               | 23.47             | ND*               | ND*               | ND*               | ND*               | 0.16              | ND*                           | 14.34             | 8.68              | 16.34             | 19.52             |
| 14      | 20/05/2021       | 43.50                               | 15.41             | ND*               | ND*               | ND*               | ND*               | 0.26              | ND*                           | 10.21             | 15.24             | 19.56             | 15.7              |
| 15      | 21/05/2021       | 52.37                               | 26.27             | ND*               | ND*               | ND*               | ND*               | 0.18              | ND*                           | 13.49             | 14.61             | 26.57             | 17.57             |
| 16      | 25/05/2021       | 77.31                               | 32.45             | ND*               | ND*               | ND*               | ND*               | 0.49              | ND*                           | 17.53             | 10.61             | 20.31             | 11.59             |
| 17      | 28/05/2021       | 45.65                               | 16.51             | ND*               | ND*               | ND*               | ND*               | 0.53              | ND*                           | 15.22             | 7.57              | 14.51             | 18.45             |
| 18      | 01/06/2021       | 70.24                               | 23.68             | ND*               | ND*               | ND*               | ND*               | 0.47              | ND*                           | 21.56             | 6.41              | 14.35             | 19.44             |
| 19      | 04/06/2021       | 66.34                               | 35.50             | ND*               | ND*               | ND*               | ND*               | 0.16              | ND*                           | 17.59             | 12.34             | 22.50             | 10.86             |
| 20      | 08/06/2021       | 55.60                               | 26.34             | ND*               | ND*               | ND*               | ND*               | 0.21              | ND*                           | 10.67             | 9.57              | 30.44             | 13.64             |
| 21      | 11/06/2021       | 62.46                               | 28.57             | ND*               | ND*               | ND*               | ND*               | 0.32              | ND*                           | 13.86             | 7.60              | 15.64             | 17.58             |
| 22      | 15/06/2021       | 71.53                               | 38.63             | ND*               | ND*               | ND*               | ND*               | 0.34              | ND*                           | 22.36             | 14.52             | 18.33             | 21.24             |
| 23      | 18/06/2021       | 80.20                               | 46.34             | ND*               | ND*               | ND*               | ND*               | 0.30              | ND*                           | 15.63             | 10.61             | 20.32             | 16.3              |
| 24      | 22/06/2021       | 65.33                               | 31.33             | ND*               | ND*               | ND*               | ND*               | 0.17              | ND*                           | 19.69             | 15.73             | 16.20             | 12.39             |
| 25      | 25/06/2021       | 59.33                               | 29.52             | ND*               | ND*               | ND*               | ND*               | 0.13              | ND*                           | 11.25             | 11.58             | 23.67             | 11.4              |
| 26      | 29/06/2021       | 42.52                               | 17.55             | ND*               | ND*               | ND*               | ND*               | 0.48              | ND*                           | 14.64             | 13.68             | 21.62             | 15.65             |



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

|    |            |       |       |     |     |     |     |      |     |       |       |       |       |
|----|------------|-------|-------|-----|-----|-----|-----|------|-----|-------|-------|-------|-------|
| 27 | 02/07/2021 | 50.31 | 22.67 | ND* | ND* | ND* | ND* | 0.65 | ND* | 20.33 | 8.63  | 13.57 | 23.68 |
| 28 | 06/07/2021 | 60.23 | 32.32 | ND* | ND* | ND* | ND* | 0.45 | ND* | 22.33 | 6.59  | 17.51 | 11.68 |
| 29 | 09/07/2021 | 74.21 | 29.31 | ND* | ND* | ND* | ND* | 0.57 | ND* | 19.11 | 11.25 | 25.60 | 16.36 |
| 30 | 13/07/2021 | 63.49 | 33.42 | ND* | ND* | ND* | ND* | 0.50 | ND* | 15.35 | 15.69 | 19.66 | 21.39 |
| 31 | 16/07/2021 | 75.32 | 20.29 | ND* | ND* | ND* | ND* | 0.74 | ND* | 16.38 | 7.61  | 24.24 | 12.38 |
| 32 | 20/07/2021 | 46.33 | 18.42 | ND* | ND* | ND* | ND* | 0.48 | ND* | 10.63 | 12.65 | 27.89 | 14.68 |
| 33 | 23/07/2021 | 57.20 | 21.51 | ND* | ND* | ND* | ND* | 0.21 | ND* | 28.57 | 9.44  | 18.40 | 17.28 |
| 34 | 27/07/2021 | 64.55 | 25.33 | ND* | ND* | ND* | ND* | 0.40 | ND* | 12.37 | 14.43 | 22.58 | 13.86 |
| 35 | 30/07/2021 | 80.69 | 42.30 | ND* | ND* | ND* | ND* | 0.25 | ND* | 23.07 | 10.26 | 26.55 | 19.57 |
| 36 | 03/08/2021 | 68.65 | 27.35 | ND* | ND* | ND* | ND* | 0.74 | ND* | 25.39 | 9.61  | 15.40 | 21.38 |
| 37 | 06/08/2021 | 61.69 | 34.53 | ND* | ND* | ND* | ND* | 0.24 | ND* | 28.66 | 15.23 | 21.35 | 13.56 |
| 38 | 10/08/2021 | 38.39 | 20.72 | ND* | ND* | ND* | ND* | 0.18 | ND* | 18.56 | 12.46 | 24.59 | 15.87 |
| 39 | 13/08/2021 | 57.52 | 26.78 | ND* | ND* | ND* | ND* | 0.25 | ND* | 21.35 | 6.40  | 16.33 | 18.63 |
| 40 | 17/08/2021 | 35.67 | 15.09 | ND* | ND* | ND* | ND* | 0.53 | ND* | 17.38 | 17.42 | 30.29 | 14.44 |
| 41 | 20/08/2021 | 51.57 | 31.32 | ND* | ND* | ND* | ND* | 0.21 | ND* | 22.32 | 16.57 | 23.60 | 20.27 |
| 42 | 24/08/2021 | 49.36 | 23.50 | ND* | ND* | ND* | ND* | 0.46 | ND* | 12.31 | 11.88 | 28.20 | 22.69 |
| 43 | 27/08/2021 | 62.32 | 28.41 | ND* | ND* | ND* | ND* | 0.36 | ND* | 10.25 | 8.58  | 20.46 | 17.65 |
| 44 | 31/08/2021 | 32.56 | 16.49 | ND* | ND* | ND* | ND* | 0.65 | ND* | 19.22 | 14.28 | 25.42 | 11.96 |
| 45 | 03/09/2021 | 51.50 | 28.60 | ND* | ND* | ND* | ND* | 0.17 | ND* | 16.39 | 11.53 | 14.52 | 14.69 |
| 46 | 07/09/2021 | 63.60 | 24.32 | ND* | ND* | ND* | ND* | 0.60 | ND* | 20.10 | 14.58 | 19.56 | 18.68 |
| 47 | 10/09/2021 | 53.43 | 22.44 | ND* | ND* | ND* | ND* | 0.40 | ND* | 10.63 | 18.75 | 26.53 | 11.67 |
| 48 | 14/09/2021 | 43.65 | 15.30 | ND* | ND* | ND* | ND* | 0.38 | ND* | 13.69 | 9.31  | 13.53 | 12.44 |
| 49 | 17/09/2021 | 33.44 | 17.69 | ND* | ND* | ND* | ND* | 0.65 | ND* | 14.13 | 6.55  | 17.58 | 20.67 |
| 50 | 21/09/2021 | 67.51 | 33.53 | ND* | ND* | ND* | ND* | 0.57 | ND* | 11.52 | 13.54 | 21.24 | 17.39 |
| 51 | 24/09/2021 | 74.52 | 30.44 | ND* | ND* | ND* | ND* | 0.63 | ND* | 17.57 | 10.39 | 16.31 | 21.29 |
| 52 | 28/09/2021 | 52.33 | 21.50 | ND* | ND* | ND* | ND* | 0.15 | ND* | 15.76 | 17.37 | 25.42 | 10.34 |

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

**Note:**ND\*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>



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

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



**Table No.: 1.4 - Ambient Air Quality Monitoring Results At GCPTL Gate**

| Sr. No. | Date of Sampling | Location-4: GCPTL Gate |                   |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |
|---------|------------------|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
|         |                  | PM <sub>10</sub>       | PM <sub>2.5</sub> | Pb                | BaP               | As                | Ni                | CO                | C <sub>6</sub> H <sub>6</sub> | NH <sub>3</sub>   | SO <sub>2</sub>   | NO <sub>x</sub>   | O <sub>3</sub>    |
|         |                  | µg/m <sup>3</sup>      | µg/m <sup>3</sup> | µg/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | mg/m <sup>3</sup> | µg/m <sup>3</sup>             | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> |
| 1       | 02/04/2021       | 65.22                  | 32.49             | ND*               | ND*               | ND*               | ND*               | 0.53              | ND*                           | 20.59             | 7.64              | 27.33             | 18.54             |
| 2       | 06/04/2021       | 55.33                  | 25.44             | ND*               | ND*               | ND*               | ND*               | 0.38              | ND*                           | 10.53             | 9.54              | 31.27             | 13.24             |
| 3       | 09/04/2021       | 61.54                  | 21.26             | ND*               | ND*               | ND*               | ND*               | 0.17              | ND*                           | 16.12             | 23.39             | 35.38             | 17.38             |
| 4       | 13/04/2021       | 42.47                  | 16.48             | ND*               | ND*               | ND*               | ND*               | 0.29              | ND*                           | 22.40             | 16.41             | 30.25             | 14.51             |
| 5       | 16/04/2021       | 51.50                  | 24.15             | ND*               | ND*               | ND*               | ND*               | 0.13              | ND*                           | 15.25             | 14.22             | 25.42             | 19.2              |
| 6       | 20/04/2021       | 62.47                  | 22.69             | ND*               | ND*               | ND*               | ND*               | 0.15              | ND*                           | 18.51             | 12.43             | 19.67             | 10.64             |
| 7       | 23/04/2021       | 78.67                  | 31.58             | ND*               | ND*               | ND*               | ND*               | 0.55              | ND*                           | 21.39             | 8.34              | 23.49             | 15.29             |
| 8       | 27/04/2021       | 53.56                  | 27.53             | ND*               | ND*               | ND*               | ND*               | 0.14              | ND*                           | 25.37             | 15.62             | 29.22             | 11.24             |
| 9       | 30/04/2021       | 66.36                  | 23.43             | ND*               | ND*               | ND*               | ND*               | 0.26              | ND*                           | 27.54             | 17.39             | 26.59             | 16.9              |
| 10      | 04/05/2021       | 52.39                  | 24.51             | ND*               | ND*               | ND*               | ND*               | 0.14              | ND*                           | 16.48             | 12.64             | 17.49             | 24.57             |
| 11      | 07/05/2021       | 64.32                  | 21.63             | ND*               | ND*               | ND*               | ND*               | 0.29              | ND*                           | 23.41             | 6.58              | 14.70             | 16.56             |
| 12      | 11/05/2021       | 59.35                  | 35.60             | ND*               | ND*               | ND*               | ND*               | 0.33              | ND*                           | 20.21             | 14.62             | 22.56             | 13.73             |
| 13      | 14/05/2021       | 71.27                  | 37.83             | ND*               | ND*               | ND*               | ND*               | 0.71              | ND*                           | 29.47             | 20.30             | 28.36             | 22.41             |
| 14      | 20/05/2021       | 48.62                  | 18.42             | ND*               | ND*               | ND*               | ND*               | 0.37              | ND*                           | 11.21             | 18.69             | 24.36             | 12.54             |
| 15      | 21/05/2021       | 67.50                  | 34.38             | ND*               | ND*               | ND*               | ND*               | 0.56              | ND*                           | 19.50             | 10.27             | 20.29             | 23.51             |
| 16      | 25/05/2021       | 56.34                  | 28.33             | ND*               | ND*               | ND*               | ND*               | 0.25              | ND*                           | 15.30             | 7.81              | 15.54             | 19.46             |
| 17      | 28/05/2021       | 68.43                  | 32.59             | ND*               | ND*               | ND*               | ND*               | 0.32              | ND*                           | 22.52             | 13.33             | 23.54             | 14.9              |
| 18      | 01/06/2021       | 50.20                  | 18.66             | ND*               | ND*               | ND*               | ND*               | 0.38              | ND*                           | 25.42             | 10.34             | 25.30             | 10.28             |
| 19      | 04/06/2021       | 57.54                  | 28.39             | ND*               | ND*               | ND*               | ND*               | 0.42              | ND*                           | 14.39             | 8.63              | 15.31             | 18.5              |
| 20      | 08/06/2021       | 48.55                  | 22.25             | ND*               | ND*               | ND*               | ND*               | 0.23              | ND*                           | 17.31             | 11.40             | 23.44             | 14.2              |
| 21      | 11/06/2021       | 52.43                  | 15.32             | ND*               | ND*               | ND*               | ND*               | 0.15              | ND*                           | 10.34             | 15.29             | 20.48             | 12.6              |
| 22      | 15/06/2021       | 46.37                  | 20.51             | ND*               | ND*               | ND*               | ND*               | 0.22              | ND*                           | 18.34             | 17.81             | 29.37             | 16.85             |
| 23      | 18/06/2021       | 60.28                  | 31.80             | ND*               | ND*               | ND*               | ND*               | 0.49              | ND*                           | 22.60             | 7.46              | 17.21             | 22.51             |
| 24      | 22/06/2021       | 49.35                  | 23.39             | ND*               | ND*               | ND*               | ND*               | 0.11              | ND*                           | 13.23             | 13.70             | 24.35             | 20.35             |
| 25      | 25/06/2021       | 78.58                  | 33.57             | ND*               | ND*               | ND*               | ND*               | 0.24              | ND*                           | 19.21             | 6.53              | 19.68             | 15.44             |
| 26      | 29/06/2021       | 47.82                  | 14.22             | ND*               | ND*               | ND*               | ND*               | 0.73              | ND*                           | 21.30             | 9.51              | 31.43             | 19.36             |

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

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

|    |            |       |       |     |     |     |     |      |     |       |       |       |       |
|----|------------|-------|-------|-----|-----|-----|-----|------|-----|-------|-------|-------|-------|
| 27 | 02/07/2021 | 45.21 | 20.45 | ND* | ND* | ND* | ND* | 0.58 | ND* | 24.33 | 14.60 | 18.80 | 16.9  |
| 28 | 06/07/2021 | 73.51 | 23.57 | ND* | ND* | ND* | ND* | 0.56 | ND* | 19.88 | 12.34 | 26.36 | 14.36 |
| 29 | 09/07/2021 | 64.24 | 27.58 | ND* | ND* | ND* | ND* | 0.47 | ND* | 26.93 | 7.21  | 16.39 | 20.42 |
| 30 | 13/07/2021 | 57.58 | 22.42 | ND* | ND* | ND* | ND* | 0.32 | ND* | 11.47 | 10.71 | 23.75 | 23.58 |
| 31 | 16/07/2021 | 65.39 | 16.48 | ND* | ND* | ND* | ND* | 0.44 | ND* | 25.35 | 15.31 | 15.57 | 15.69 |
| 32 | 20/07/2021 | 58.39 | 24.32 | ND* | ND* | ND* | ND* | 0.61 | ND* | 13.56 | 6.45  | 21.58 | 11.56 |
| 33 | 23/07/2021 | 61.23 | 26.30 | ND* | ND* | ND* | ND* | 0.34 | ND* | 16.63 | 8.72  | 25.35 | 13.64 |
| 34 | 27/07/2021 | 46.27 | 17.49 | ND* | ND* | ND* | ND* | 0.81 | ND* | 15.13 | 16.81 | 17.31 | 10.33 |
| 35 | 30/07/2021 | 59.42 | 31.52 | ND* | ND* | ND* | ND* | 0.64 | ND* | 20.44 | 11.60 | 14.38 | 17.6  |
| 36 | 03/08/2021 | 56.84 | 22.37 | ND* | ND* | ND* | ND* | 0.48 | ND* | 20.25 | 13.53 | 26.86 | 23.82 |
| 37 | 06/08/2021 | 49.31 | 25.35 | ND* | ND* | ND* | ND* | 0.17 | ND* | 24.32 | 10.83 | 18.31 | 17.25 |
| 38 | 10/08/2021 | 43.52 | 29.39 | ND* | ND* | ND* | ND* | 0.55 | ND* | 11.64 | 6.54  | 15.65 | 12.5  |
| 39 | 13/08/2021 | 63.42 | 28.89 | ND* | ND* | ND* | ND* | 0.40 | ND* | 23.40 | 9.47  | 19.32 | 22.3  |
| 40 | 17/08/2021 | 48.38 | 21.54 | ND* | ND* | ND* | ND* | 0.33 | ND* | 19.56 | 11.81 | 20.53 | 19.55 |
| 41 | 20/08/2021 | 61.25 | 34.48 | ND* | ND* | ND* | ND* | 0.37 | ND* | 14.52 | 8.59  | 30.37 | 13.43 |
| 42 | 24/08/2021 | 58.33 | 27.50 | ND* | ND* | ND* | ND* | 0.63 | ND* | 17.87 | 12.60 | 17.66 | 15.3  |
| 43 | 27/08/2021 | 67.52 | 23.43 | ND* | ND* | ND* | ND* | 0.30 | ND* | 25.49 | 18.42 | 29.56 | 11.28 |
| 44 | 31/08/2021 | 45.25 | 19.56 | ND* | ND* | ND* | ND* | 0.39 | ND* | 10.33 | 16.35 | 33.68 | 14.74 |
| 45 | 03/09/2021 | 46.29 | 24.24 | ND* | ND* | ND* | ND* | 0.36 | ND* | 14.20 | 16.33 | 25.31 | 15.35 |
| 46 | 07/09/2021 | 41.22 | 15.62 | ND* | ND* | ND* | ND* | 0.24 | ND* | 10.36 | 13.39 | 16.49 | 13.49 |
| 47 | 10/09/2021 | 68.68 | 37.63 | ND* | ND* | ND* | ND* | 0.19 | ND* | 21.24 | 15.47 | 23.53 | 10.23 |
| 48 | 14/09/2021 | 53.69 | 23.28 | ND* | ND* | ND* | ND* | 0.23 | ND* | 16.42 | 11.36 | 15.33 | 18.38 |
| 49 | 17/09/2021 | 42.62 | 19.30 | ND* | ND* | ND* | ND* | 0.27 | ND* | 11.46 | 8.70  | 14.38 | 23.16 |
| 50 | 21/09/2021 | 57.54 | 25.35 | ND* | ND* | ND* | ND* | 0.21 | ND* | 15.47 | 14.28 | 17.25 | 12.75 |
| 51 | 24/09/2021 | 43.60 | 20.32 | ND* | ND* | ND* | ND* | 0.56 | ND* | 13.12 | 18.20 | 31.26 | 11.3  |
| 52 | 28/09/2021 | 47.52 | 18.67 | ND* | ND* | ND* | ND* | 0.42 | ND* | 19.38 | 12.44 | 27.25 | 17.29 |

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

**Note:**ND\*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>



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



**Table No.: 1.5 - Ambient Air Quality Monitoring Results At Near Silo Porta Cabin**

| Sr. No. | Date of Sampling | Location-5: Near Silo Porta Cabin |                   |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |
|---------|------------------|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
|         |                  | PM <sub>10</sub>                  | PM <sub>2.5</sub> | Pb                | BaP               | As                | Ni                | CO                | C <sub>6</sub> H <sub>6</sub> | NH <sub>3</sub>   | SO <sub>2</sub>   | NO <sub>x</sub>   | O <sub>3</sub>    |
|         |                  | µg/m <sup>3</sup>                 | µg/m <sup>3</sup> | µg/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | mg/m <sup>3</sup> | µg/m <sup>3</sup>             | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> |
| 1       | 02/04/2021       | 50.29                             | 24.54             | ND*               | ND*               | ND*               | ND*               | 0.16              | ND*                           | 23.41             | 15.19             | 21.57             | 14.63             |
| 2       | 06/04/2021       | 42.65                             | 15.55             | ND*               | ND*               | ND*               | ND*               | 0.30              | ND*                           | 16.38             | 7.20              | 17.27             | 23.68             |
| 3       | 09/04/2021       | 66.31                             | 36.18             | ND*               | ND*               | ND*               | ND*               | 0.27              | ND*                           | 13.47             | 16.18             | 29.31             | 19.58             |
| 4       | 13/04/2021       | 45.34                             | 20.25             | ND*               | ND*               | ND*               | ND*               | 0.24              | ND*                           | 17.20             | 6.69              | 15.35             | 18.3              |
| 5       | 16/04/2021       | 62.55                             | 28.56             | ND*               | ND*               | ND*               | ND*               | 0.18              | ND*                           | 10.30             | 9.28              | 28.50             | 21.29             |
| 6       | 20/04/2021       | 70.26                             | 17.58             | ND*               | ND*               | ND*               | ND*               | 0.36              | ND*                           | 21.52             | 18.24             | 32.58             | 11.57             |
| 7       | 23/04/2021       | 56.27                             | 23.65             | ND*               | ND*               | ND*               | ND*               | 0.58              | ND*                           | 24.22             | 10.19             | 18.24             | 17.2              |
| 8       | 27/04/2021       | 48.57                             | 19.57             | ND*               | ND*               | ND*               | ND*               | 0.50              | ND*                           | 19.48             | 12.75             | 16.28             | 12.82             |
| 9       | 30/04/2021       | 53.58                             | 21.85             | ND*               | ND*               | ND*               | ND*               | 0.31              | ND*                           | 14.65             | 8.76              | 19.32             | 15.56             |
| 10      | 04/05/2021       | 59.30                             | 30.34             | ND*               | ND*               | ND*               | ND*               | 0.36              | ND*                           | 12.46             | 7.49              | 24.24             | 16.21             |
| 11      | 07/05/2021       | 76.55                             | 29.36             | ND*               | ND*               | ND*               | ND*               | 0.21              | ND*                           | 18.30             | 12.40             | 27.57             | 19.33             |
| 12      | 11/05/2021       | 54.31                             | 32.39             | ND*               | ND*               | ND*               | ND*               | 0.17              | ND*                           | 14.51             | 9.77              | 31.50             | 15.25             |
| 13      | 14/05/2021       | 68.60                             | 27.69             | ND*               | ND*               | ND*               | ND*               | 0.44              | ND*                           | 21.69             | 10.52             | 22.45             | 10.49             |
| 14      | 20/05/2021       | 57.64                             | 23.55             | ND*               | ND*               | ND*               | ND*               | 0.24              | ND*                           | 16.23             | 13.63             | 17.59             | 20.49             |
| 15      | 21/05/2021       | 62.31                             | 31.64             | ND*               | ND*               | ND*               | ND*               | 0.19              | ND*                           | 11.37             | 16.49             | 23.63             | 21.79             |
| 16      | 25/05/2021       | 50.23                             | 22.30             | ND*               | ND*               | ND*               | ND*               | 0.23              | ND*                           | 20.66             | 14.78             | 28.63             | 14.26             |
| 17      | 28/05/2021       | 58.34                             | 25.34             | ND*               | ND*               | ND*               | ND*               | 0.38              | ND*                           | 13.51             | 6.72              | 26.76             | 11.37             |
| 18      | 01/06/2021       | 44.66                             | 15.59             | ND*               | ND*               | ND*               | ND*               | 0.25              | ND*                           | 13.54             | 8.49              | 22.48             | 13.59             |
| 19      | 04/06/2021       | 50.26                             | 25.48             | ND*               | ND*               | ND*               | ND*               | 0.18              | ND*                           | 21.46             | 17.40             | 18.55             | 16.58             |
| 20      | 08/06/2021       | 60.65                             | 33.49             | ND*               | ND*               | ND*               | ND*               | 0.44              | ND*                           | 15.88             | 15.59             | 26.50             | 20.87             |
| 21      | 11/06/2021       | 48.65                             | 19.52             | ND*               | ND*               | ND*               | ND*               | 0.19              | ND*                           | 20.56             | 13.44             | 17.65             | 15.21             |
| 22      | 15/06/2021       | 58.69                             | 30.31             | ND*               | ND*               | ND*               | ND*               | 0.37              | ND*                           | 14.25             | 7.39              | 21.53             | 22.34             |
| 23      | 18/06/2021       | 65.60                             | 26.49             | ND*               | ND*               | ND*               | ND*               | 0.26              | ND*                           | 19.32             | 12.36             | 25.55             | 18.3              |
| 24      | 22/06/2021       | 43.59                             | 17.54             | ND*               | ND*               | ND*               | ND*               | 0.14              | ND*                           | 23.60             | 19.47             | 30.25             | 11.63             |
| 25      | 25/06/2021       | 63.69                             | 24.20             | ND*               | ND*               | ND*               | ND*               | 0.41              | ND*                           | 16.87             | 9.24              | 28.24             | 21.37             |
| 26      | 29/06/2021       | 57.52                             | 22.56             | ND*               | ND*               | ND*               | ND*               | 0.54              | ND*                           | 12.25             | 6.53              | 15.37             | 14.82             |

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

|    |            |       |       |     |     |     |     |      |     |       |       |       |       |
|----|------------|-------|-------|-----|-----|-----|-----|------|-----|-------|-------|-------|-------|
| 27 | 02/07/2021 | 56.35 | 28.50 | ND* | ND* | ND* | ND* | 0.71 | ND* | 11.78 | 10.60 | 16.53 | 10.2  |
| 28 | 06/07/2021 | 44.23 | 20.28 | ND* | ND* | ND* | ND* | 0.39 | ND* | 14.56 | 8.29  | 33.46 | 12.69 |
| 29 | 09/07/2021 | 58.33 | 24.27 | ND* | ND* | ND* | ND* | 0.55 | ND* | 18.22 | 12.50 | 23.57 | 14.23 |
| 30 | 13/07/2021 | 47.64 | 26.35 | ND* | ND* | ND* | ND* | 0.38 | ND* | 10.29 | 14.62 | 15.47 | 16.2  |
| 31 | 16/07/2021 | 54.50 | 22.56 | ND* | ND* | ND* | ND* | 0.53 | ND* | 12.63 | 9.37  | 22.39 | 13.5  |
| 32 | 20/07/2021 | 63.65 | 29.54 | ND* | ND* | ND* | ND* | 0.36 | ND* | 16.51 | 15.84 | 26.29 | 19.2  |
| 33 | 23/07/2021 | 52.68 | 15.36 | ND* | ND* | ND* | ND* | 0.30 | ND* | 21.53 | 16.54 | 34.67 | 23.89 |
| 34 | 27/07/2021 | 69.42 | 21.22 | ND* | ND* | ND* | ND* | 0.76 | ND* | 17.50 | 7.36  | 24.88 | 17.96 |
| 35 | 30/07/2021 | 53.37 | 27.51 | ND* | ND* | ND* | ND* | 0.46 | ND* | 13.39 | 13.54 | 29.49 | 11.99 |
| 36 | 03/08/2021 | 63.38 | 33.41 | ND* | ND* | ND* | ND* | 0.31 | ND* | 14.38 | 6.35  | 24.67 | 12.48 |
| 37 | 06/08/2021 | 54.59 | 19.37 | ND* | ND* | ND* | ND* | 0.27 | ND* | 20.32 | 13.42 | 19.43 | 20.16 |
| 38 | 10/08/2021 | 48.33 | 21.31 | ND* | ND* | ND* | ND* | 0.34 | ND* | 16.23 | 11.26 | 16.55 | 13.63 |
| 39 | 13/08/2021 | 52.32 | 23.69 | ND* | ND* | ND* | ND* | 0.47 | ND* | 11.23 | 7.60  | 23.48 | 17.85 |
| 40 | 17/08/2021 | 40.66 | 18.92 | ND* | ND* | ND* | ND* | 0.45 | ND* | 13.72 | 14.57 | 26.44 | 21.67 |
| 41 | 20/08/2021 | 38.66 | 27.72 | ND* | ND* | ND* | ND* | 0.54 | ND* | 10.52 | 9.27  | 18.48 | 11.65 |
| 42 | 24/08/2021 | 44.36 | 31.59 | ND* | ND* | ND* | ND* | 0.44 | ND* | 22.64 | 15.81 | 25.65 | 18.49 |
| 43 | 27/08/2021 | 57.59 | 25.62 | ND* | ND* | ND* | ND* | 0.13 | ND* | 15.34 | 10.59 | 17.58 | 10.66 |
| 44 | 31/08/2021 | 36.32 | 12.54 | ND* | ND* | ND* | ND* | 0.22 | ND* | 21.57 | 12.49 | 20.25 | 19.23 |
| 45 | 03/09/2021 | 40.31 | 21.32 | ND* | ND* | ND* | ND* | 0.22 | ND* | 21.61 | 18.59 | 20.73 | 21.56 |
| 46 | 07/09/2021 | 37.39 | 20.37 | ND* | ND* | ND* | ND* | 0.16 | ND* | 15.30 | 9.67  | 24.32 | 15.58 |
| 47 | 10/09/2021 | 62.61 | 33.45 | ND* | ND* | ND* | ND* | 0.45 | ND* | 12.54 | 16.72 | 29.53 | 20.31 |
| 48 | 14/09/2021 | 48.67 | 18.76 | ND* | ND* | ND* | ND* | 0.18 | ND* | 17.61 | 10.56 | 21.37 | 14.12 |
| 49 | 17/09/2021 | 38.67 | 15.45 | ND* | ND* | ND* | ND* | 0.39 | ND* | 25.32 | 15.77 | 27.63 | 16.89 |
| 50 | 21/09/2021 | 61.50 | 28.52 | ND* | ND* | ND* | ND* | 0.41 | ND* | 13.40 | 7.49  | 15.67 | 10.56 |
| 51 | 24/09/2021 | 51.52 | 22.29 | ND* | ND* | ND* | ND* | 0.15 | ND* | 10.47 | 12.68 | 19.74 | 19.52 |
| 52 | 28/09/2021 | 42.62 | 16.41 | ND* | ND* | ND* | ND* | 0.31 | ND* | 18.35 | 6.31  | 13.63 | 13.07 |

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

**Note:** ND\*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m<sup>3</sup>, Carbon Monoxide as CO: 0.1 mg/m<sup>3</sup>, Benzene as C<sub>6</sub>H<sub>6</sub>: 2 µg/m<sup>3</sup>, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m<sup>3</sup>, Arsenic as As: 2ng/m<sup>3</sup>, Nickel as Ni: 5 ng/m<sup>3</sup>



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



**Table No.: 1.6 - Ambient Air Quality Monitoring Results At JS – 2 Junction**

| Sr. No. | Date of Sampling | Location-6: JS – 2 Junction |                   |                   |                   |                   |                   |                   |                               |                   |                   |                   |                   |
|---------|------------------|-----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
|         |                  | PM <sub>10</sub>            | PM <sub>2.5</sub> | Pb                | BaP               | As                | Ni                | CO                | C <sub>6</sub> H <sub>6</sub> | NH <sub>3</sub>   | SO <sub>2</sub>   | NO <sub>x</sub>   | O <sub>3</sub>    |
|         |                  | µg/m <sup>3</sup>           | µg/m <sup>3</sup> | µg/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | ng/m <sup>3</sup> | mg/m <sup>3</sup> | µg/m <sup>3</sup>             | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> | µg/m <sup>3</sup> |
| 1       | 02/04/2021       | 71.24                       | 39.28             | ND*               | ND*               | ND*               | ND*               | 0.74              | ND*                           | 26.30             | 17.62             | 33.53             | 20.51             |
| 2       | 06/04/2021       | 62.30                       | 29.41             | ND*               | ND*               | ND*               | ND*               | 0.85              | ND*                           | 19.59             | 13.48             | 36.23             | 25.32             |
| 3       | 09/04/2021       | 80.36                       | 42.61             | 0.69              | ND*               | 2.02              | 10.41             | 0.64              | ND*                           | 30.25             | 20.59             | 32.49             | 23.37             |
| 4       | 13/04/2021       | 50.33                       | 30.30             | ND*               | ND*               | ND*               | ND*               | 0.44              | ND*                           | 29.37             | 12.33             | 26.38             | 19.71             |
| 5       | 16/04/2021       | 84.21                       | 37.81             | ND*               | ND*               | ND*               | ND*               | 0.33              | ND*                           | 27.89             | 16.84             | 30.52             | 28.27             |
| 6       | 20/04/2021       | 79.34                       | 33.49             | ND*               | ND*               | ND*               | ND*               | 0.56              | ND*                           | 15.14             | 21.54             | 24.44             | 17.89             |
| 7       | 23/04/2021       | 83.52                       | 44.58             | 0.60              | ND*               | 2.36              | 10.50             | 0.69              | ND*                           | 31.27             | 14.24             | 34.60             | 24.70             |
| 8       | 27/04/2021       | 72.69                       | 34.26             | ND*               | ND*               | ND*               | ND*               | 0.49              | ND*                           | 28.23             | 18.41             | 27.24             | 22.33             |
| 9       | 30/04/2021       | 81.26                       | 38.26             | 0.50              | ND*               | 2.24              | 10.32             | 0.34              | ND*                           | 17.58             | 15.78             | 22.43             | 27.62             |
| 10      | 04/05/2021       | 73.46                       | 42.67             | ND*               | ND*               | ND*               | ND*               | 0.60              | ND*                           | 30.57             | 13.87             | 34.21             | 25.38             |
| 11      | 07/05/2021       | 85.33                       | 46.59             | 0.62              | ND*               | 2.34              | 10.47             | 0.74              | ND*                           | 34.54             | 22.43             | 24.58             | 23.47             |
| 12      | 11/05/2021       | 76.59                       | 39.40             | ND*               | ND*               | ND*               | ND*               | 0.34              | ND*                           | 18.43             | 7.32              | 37.25             | 19.19             |
| 13      | 14/05/2021       | 84.50                       | 45.33             | ND*               | ND*               | ND*               | ND*               | 0.76              | ND*                           | 35.34             | 18.56             | 30.22             | 27.68             |
| 14      | 20/05/2021       | 63.50                       | 26.67             | ND*               | ND*               | ND*               | ND*               | 0.42              | ND*                           | 24.30             | 24.56             | 35.52             | 24.70             |
| 15      | 21/05/2021       | 82.49                       | 50.42             | 0.72              | ND*               | 2.26              | 10.27             | 0.45              | ND*                           | 20.52             | 19.71             | 32.36             | 22.27             |
| 16      | 25/05/2021       | 72.31                       | 36.54             | ND*               | ND*               | ND*               | ND*               | 0.46              | ND*                           | 27.52             | 16.48             | 26.32             | 15.34             |
| 17      | 28/05/2021       | 62.50                       | 28.42             | ND*               | ND*               | ND*               | ND*               | 0.50              | ND*                           | 17.64             | 20.31             | 31.35             | 12.67             |
| 18      | 01/06/2021       | 62.56                       | 32.49             | ND*               | ND*               | ND*               | ND*               | 0.85              | ND*                           | 16.24             | 15.55             | 28.64             | 22.44             |
| 19      | 04/06/2021       | 80.34                       | 38.28             | 0.56              | ND*               | 2.24              | 10.42             | 0.63              | ND*                           | 27.69             | 10.26             | 32.36             | 24.54             |
| 20      | 08/06/2021       | 73.52                       | 40.22             | ND*               | ND*               | ND*               | ND*               | 0.52              | ND*                           | 23.50             | 13.47             | 29.53             | 11.51             |
| 21      | 11/06/2021       | 67.53                       | 31.67             | ND*               | ND*               | ND*               | ND*               | 0.36              | ND*                           | 32.45             | 19.90             | 31.28             | 21.65             |
| 22      | 15/06/2021       | 77.52                       | 42.61             | ND*               | ND*               | ND*               | 10.34             | 0.55              | ND*                           | 28.64             | 21.48             | 34.60             | 14.65             |
| 23      | 18/06/2021       | 85.36                       | 51.23             | 0.65              | ND*               | 2.34              | ND*               | 0.65              | ND*                           | 24.52             | 9.35              | 23.33             | 20.73             |
| 24      | 22/06/2021       | 60.26                       | 28.64             | ND*               | ND*               | ND*               | ND*               | 0.79              | ND*                           | 29.30             | 11.86             | 21.28             | 18.68             |
| 25      | 25/06/2021       | 86.51                       | 45.66             | 0.54              | ND*               | 2.18              | 10.20             | 0.31              | ND*                           | 26.57             | 16.53             | 33.58             | 13.80             |
| 26      | 29/06/2021       | 63.75                       | 30.50             | ND*               | ND*               | ND*               | ND*               | 0.40              | ND*                           | 18.23             | 14.18             | 30.31             | 17.47             |

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|    |            |       |       |      |     |      |       |      |     |       |       |       |       |
|----|------------|-------|-------|------|-----|------|-------|------|-----|-------|-------|-------|-------|
| 27 | 02/07/2021 | 69.26 | 36.56 | ND*  | ND* | ND*  | ND*   | 0.97 | ND* | 27.51 | 16.38 | 29.31 | 24.32 |
| 28 | 06/07/2021 | 83.45 | 43.60 | 0.71 | ND* | 2.14 | 10.34 | 0.42 | ND* | 16.85 | 14.78 | 34.59 | 22.70 |
| 29 | 09/07/2021 | 87.57 | 32.91 | ND*  | ND* | ND*  | ND*   | 0.80 | ND* | 24.17 | 10.34 | 27.58 | 26.69 |
| 30 | 13/07/2021 | 79.36 | 38.34 | ND*  | ND* | ND*  | ND*   | 0.96 | ND* | 20.83 | 23.59 | 35.65 | 29.30 |
| 31 | 16/07/2021 | 82.67 | 41.32 | 0.62 | ND* | 2.36 | 10.53 | 0.66 | ND* | 29.42 | 18.49 | 31.59 | 21.12 |
| 32 | 20/07/2021 | 68.30 | 35.40 | ND*  | ND* | ND*  | ND*   | 0.78 | ND* | 26.34 | 13.58 | 30.29 | 25.35 |
| 33 | 23/07/2021 | 73.41 | 44.27 | ND*  | ND* | ND*  | ND*   | 0.60 | ND* | 35.85 | 22.32 | 33.50 | 20.21 |
| 34 | 27/07/2021 | 84.21 | 31.20 | 0.74 | ND* | 2.22 | 10.28 | 0.84 | ND* | 22.68 | 17.22 | 37.33 | 27.51 |
| 35 | 30/07/2021 | 75.31 | 37.64 | ND*  | ND* | ND*  | ND*   | 0.82 | ND* | 25.67 | 21.58 | 32.43 | 23.72 |
| 36 | 03/08/2021 | 79.36 | 35.44 | ND*  | ND* | ND*  | ND*   | 0.76 | ND* | 31.53 | 17.20 | 35.31 | 16.62 |
| 37 | 06/08/2021 | 72.60 | 31.21 | 0.60 | ND* | 2.31 | 10.63 | 0.86 | ND* | 34.36 | 23.86 | 33.40 | 23.50 |
| 38 | 10/08/2021 | 64.36 | 33.53 | ND*  | ND* | ND*  | ND*   | 0.49 | ND* | 13.60 | 16.30 | 25.35 | 20.61 |
| 39 | 13/08/2021 | 73.42 | 32.18 | 0.65 | ND* | 2.65 | 10.20 | 0.29 | ND* | 27.30 | 14.23 | 28.56 | 14.62 |
| 40 | 17/08/2021 | 54.55 | 25.22 | ND*  | ND* | ND*  | ND*   | 0.78 | ND* | 32.43 | 19.33 | 30.90 | 26.65 |
| 41 | 20/08/2021 | 66.62 | 36.27 | ND*  | ND* | ND*  | ND*   | 0.42 | ND* | 20.46 | 21.89 | 26.57 | 17.51 |
| 42 | 24/08/2021 | 71.36 | 42.37 | ND*  | ND* | ND*  | ND*   | 0.56 | ND* | 14.66 | 18.18 | 34.33 | 25.60 |
| 43 | 27/08/2021 | 78.62 | 39.44 | 0.61 | ND* | 2.42 | 10.32 | 0.68 | ND* | 29.48 | 15.56 | 23.86 | 12.32 |
| 44 | 31/08/2021 | 55.32 | 29.57 | ND*  | ND* | ND*  | ND*   | 0.57 | ND* | 24.97 | 22.47 | 36.34 | 22.82 |
| 45 | 03/09/2021 | 72.55 | 38.39 | 0.52 | ND* | 2.12 | 10.34 | 0.46 | ND* | 23.36 | 13.69 | 26.36 | 17.64 |
| 46 | 07/09/2021 | 57.38 | 21.61 | ND*  | ND* | ND*  | ND*   | 0.54 | ND* | 28.40 | 18.51 | 29.35 | 19.16 |
| 47 | 10/09/2021 | 75.38 | 39.46 | 0.59 | ND* | 2.34 | 10.50 | 0.61 | ND* | 15.61 | 20.28 | 33.48 | 23.69 |
| 48 | 14/09/2021 | 58.33 | 26.20 | ND*  | ND* | ND*  | ND*   | 0.64 | ND* | 26.38 | 16.01 | 23.42 | 21.65 |
| 49 | 17/09/2021 | 53.50 | 30.37 | ND*  | ND* | ND*  | ND*   | 0.82 | ND* | 20.24 | 12.82 | 32.58 | 18.49 |
| 50 | 21/09/2021 | 80.34 | 41.29 | 0.66 | ND* | 2.46 | 10.61 | 0.58 | ND* | 17.75 | 10.64 | 28.63 | 20.28 |
| 51 | 24/09/2021 | 68.42 | 31.37 | ND*  | ND* | ND*  | ND*   | 0.25 | ND* | 27.97 | 21.52 | 35.35 | 28.30 |
| 52 | 28/09/2021 | 64.52 | 28.49 | ND*  | ND* | ND*  | ND*   | 0.37 | ND* | 24.86 | 19.18 | 31.34 | 16.64 |

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

**Note:** ND\*: Not Detected, Detection Limit, Lead as Pb: 0.1  $\mu\text{g}/\text{m}^3$ , Carbon Monoxide as CO: 0.1  $\text{mg}/\text{m}^3$ , Benzene as  $\text{C}_6\text{H}_6$ : 2  $\mu\text{g}/\text{m}^3$ , Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 $\text{ng}/\text{m}^3$ , Arsenic as As: 2 $\text{ng}/\text{m}^3$ , Nickel as Ni: 5  $\text{ng}/\text{m}^3$



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

**Table- 1: Ground Water Level & Quality Analysis (Pizometer) Results for the period: April-21 to September-21**

**3B.1 Near Sub Station-7B**

| SR. NO. | TEST PARAMETER                         | UNIT  | OBSERVATION |          |           |          |          |          |
|---------|--|-------|-------------|----------|-----------|----------|----------|----------|
|         |  |       | Apr-21      | May-21   | Jun-21    | Jul-21   | Aug-21   | Sep-21   |
|         |  |       | 26/04/21    | 17/05/21 | 22/06/21  | 29/07/21 | 12/08/21 | 14/09/21 |
| 1       | Temperature                            | °C    | 30.8        | 30.4     | 30.2      | 30.1     | 30.8     | 30.21    |
| 2       | pH                                     | --    | 8.41        | 8.37     | 8.14      | 8.28     | 8.41     | 8.09     |
| 3       | Total Dissolved Solids                 | mg/L  | 1948        | 1852     | 1827      | 1196     | 1919     | 1028     |
| 4       | Salinity                               | ppt   | 0.330       | 0.32     | 0.310     | 0.292    | 0.33     | 0.296    |
| 5       | Chloride as Cl                         | mg/L  | 184         | 179      | 172       | 162      | 184      | 164      |
| 6       | Depth of Water Level from Ground Level | meter | 1.0         | 2        | 1.5       | 1        | 1        | 1        |
| 7       | Status of Tide                         | --    | Low Tide    | Low Tide | High Tide | Low Tide | Low Tide | Low Tide |

**3B.2 Near QHSE Office**

| SR. NO. | TEST PARAMETER                         | UNIT  | OBSERVATION |          |           |          |          |          |
|---------|--|-------|-------------|----------|-----------|----------|----------|----------|
|         |  |       | Apr-21      | May-21   | Jun-21    | Jul-21   | Aug-21   | Sep-21   |
|         |  |       | 26/04/21    | 17/05/21 | 22/06/21  | 29/07/21 | 12/08/21 | 14/09/21 |
| 1       | Temperature                            | °C    | 30.9        | 30.5     | 30.3      | 30       | 30.5     | 30       |
| 2       | pH                                     | --    | 8.59        | 8.46     | 8.23      | 8.41     | 8.46     | 8.12     |
| 3       | Total Dissolved Solids                 | mg/L  | 2017        | 1957     | 974       | 803      | 1812     | 984      |
| 4       | Salinity                               | ppt   | 0.36        | 0.33     | 0.205     | 0.191    | 0.36     | 0.148    |
| 5       | Chloride as Cl                         | mg/L  | 199         | 182      | 114       | 106      | 198      | 81.97    |
| 6       | Depth of Water Level from Ground Level | meter | 1.5         | 2        | 1.0       | 1        | 1.5      | 1.5      |
| 7       | Status of Tide                         | --    | Low Tide    | Low Tide | High Tide | Low Tide | Low Tide | Low Tide |

  
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**3C. SEA WATER (SURFACE & BOTTOM) QUALITY ANALYSIS MONITORING:-**
**Table No.: 3C.1 - Sea Water (Surface & Bottom) Quality Analysis Results of sea water south side for the period April-21 to September-21:-**

| Sr. NO.                | TEST PARAMETERS  | UNIT                      | RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE                                       |  |   |   |  |   |   |  |   |  |   |   |
|------------------------|--|---------------------------|--|--|---|---|--|---|---|--|---|--|---|---|
|                        |  |                           | Apr-21   |  | May-21  |   | Jun-21   |   | Jul-21  |  | Aug-21  |  | Sep-21  |   |
|                        |  |                           | 26/04/2021   |  | 21/05/2021  |   | 22/06/2021   |   | 29/07/2021  |  | 11/08/2021  |  | 14/09/2021  |   |
|                        |  | Surface                   | Bottom   | Surface  | Bottom  | Surface   | Bottom   | Surface   | Bottom  | Surface  | Bottom  | Surface  | Bottom  |   |
| 1                      | pH   | --                        | 7.99   | 7.81   | 8.13  | 8.07  | 8.12   | 8.07  | 8.05  | 7.99   | 7.98  | 7.9  | 7.90  | 8.02  |
| 2                      | Temperature  | °C                        | 30.4   | 30.1   | 30.6  | 30.4  | 30.3   | 30.1  | 29.8  | 29.6   | 29.7  | 29.5   | 29.8  | 29.7  |
| 3                      | Total Suspended Solids                                       | mg/L                      | 368  | 332  | 329   | 312   | 342  | 358   | 304   | 312  | 273   | 304  | 269   | 286   |
| 4                      | BOD (3 Days @ 27 °C)   | mg/L                      | 3.7  | Not Detected   | 3.5   | Not Detected  | 2.7  | Not Detected  | 2.5   | Not Detected   | 2.9   | Not Detected   | 2.6   | Not Detected  |
| 5                      | Dissolved Oxygen   | mg/L                      | 5.8  | 5.6  | 5.9   | 5.7   | 5.8  | 5.7   | 5.9   | 5.6  | 6   | 5.7  | 5.9   | 5.8   |
| 6                      | Salinity   | ppt                       | 33.8   | 34.3   | 32.5  | 32.9  | 31.4   | 31.9  | 31.1  | 31.5   | 29.72   | 30.14  | 29.60   | 30.28   |
| 7                      | Oil & Grease   | mg/L                      | Not Detected   | Not Detected   | Not Detected  | Not Detected  | Not Detected   | Not Detected  | Not Detected  | Not Detected   | Not Detected  | Not Detected   | Not Detected  | Not Detected  |
| 8                      | Nitrate as NO <sub>3</sub>                                   | µmol/L                    | 2.49   | 2.20   | 3.38  | 3.19  | 2.38   | 2.29  | 2.75  | 2.63   | 2.39  | 2.41   | 2.48  | 2.35  |
| 9                      | Nitrite as NO <sub>2</sub>                                   | µmol/L                    | 1.58   | 1.28   | 0.92  | 0.75  | 0.67   | 0.51  | 0.37  | 0.56   | 0.58  | 0.69   | 1.85  | 1.46  |
| 10                     | Ammonical Nitrogen NH <sub>3</sub>                           | µmol/L                    | 2.47   | 2.43   | 2.27  | 1.98  | 2.19   | 1.87  | 1.95  | 1.84   | 1.73  | 1.54   | 0.71  | 0.58  |
| 11                     | Phosphates as PO <sub>4</sub>                                | µmol/L                    | 3.23   | 2.29   | 3.14  | 2.87  | 2.63   | 2.41  | 2.31  | 2.19   | 2.3   | 2.49   | 2.90  | 2.23  |
| 12                     | Total Nitrogen   | µmol/L                    | 6.54   | 5.91   | 6.57  | 5.92  | 5.24   | 4.67  | 5.07  | 5.03   | 4.7   | 4.64   | 5.04  | 4.39  |
| 13                     | Petroleum Hydrocarbon  | µg/L                      | Not Detected   | Not Detected   | Not Detected  | Not Detected  | Not Detected   | Not Detected  | Not Detected  | Not Detected   | Not Detected  | Not Detected   | Not Detected  | Not Detected  |
| 14                     | Total Dissolved Solids                                       | mg/L                      | 35568  | 35974  | 34298   | 34672   | 33246  | 33769   | 32498   | 32869  | 31689   | 32064  | 31564   | 32180   |
| 15                     | COD  | mg/L                      | 23.4   | 18.4   | 21.5  | 19.3  | 18.9   | Not Detected  | 17.3  | Not Detected   | 16.8  | 19.2   | 12.94   | 10.4  |
| <b>A Phytoplankton</b> |  |                           |  |  |   |   |  |   |   |  |   |  |   |   |
| 16.1                   | Chlorophyll  | mg/m <sup>3</sup>         | 2.83   | 2.40   | 2.7   | 2.04  | 2.79   | 2.38  | 2.67  | 2.36   | 2.48  | 2.33   | 2.60  | 2.38  |
| 16.2                   | Phaeophytin  | mg/m <sup>3</sup>         | 0.22   | 0.05   | 0.35  | 0.65  | 0.41   | 0.25  | 0.4   | 0.12   | 0.58  | 0.15   | 0.46  | 0.10  |
| 16.3                   | Cell Count   | Unit x 10 <sup>7</sup> /L | 142  | 118  | 154   | 102   | 146  | 98  | 184   | 126  | 156   | 102  | 172   | 112   |
| 16.4                   | Name of Group Number and name of group species of each group | --                        | Skeletonema sp.<br>Rhizosolenia sp.<br>Thalassiosira sp.<br>Thalassiosira sp.<br>Scenedesmus sp. | Nitzschia sp.<br>Navicula sp.<br>Synechocystis sp.<br>Melosira sp. | Coscinodiscus sp.<br>Thalassiosira sp.<br>Asterionella sp.<br>Biddulphia sp.<br>Synedra sp. | Nitzschia sp.<br>Navicula sp.<br>Bacillaria sp.<br>Pinnularia sp. | Coscinodiscus sp.<br>Asterionella sp.<br>Skeletonema sp.<br>Rhizosolenia sp. | Nitzschia sp.<br>Navicula sp.<br>Pleurosigma sp.<br>Synedra sp. | Cyclotella sp.<br>Navicula sp.<br>Thalassiosira sp.<br>Rhizosolenia sp. | Pleurosigma sp.<br>Nitzschia sp.<br>Thalassiosira sp.<br>Synedra sp. | Nitzschia sp.<br>Coscinodiscus sp.<br>Melosira sp.<br>Skeletonema sp. | Navicula sp.<br>Asterionella sp.<br>Synedra sp.<br>Thalassiosira sp. | Rhizosolenia sp.<br>Skeletonema sp.<br>Thalassiosira sp.<br>Coscinodiscus sp. | Biddulphia sp.<br>Rhizosolenia sp.<br>Thalassiosira sp.<br>Nitzschia sp.<br>Synedra sp. |

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



| Sr. NO.                             | TEST PARAMETERS  | UNIT                                  | RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE |  |   |  |   |   |
|-------------------------------------|--|---------------------------------------|--|--|---|--|---|---|
|                                     |  |                                       | Apr-21   | May-21                                       | Jun-21  | Jul-21                                   | Aug-21  | Sep-21  |
|                                     |  |                                       | 26/04/2021   | 21/05/2021                                   | 22/06/2021  | 29/07/2021                               | 11/08/2021  | 14/09/2021  |
|                                     |  |                                       | South Side   | South Side                                   | South Side  | South Side                               | South Side  | South Side  |
| <b>B Zooplanktons</b>               |  |                                       |  |  |   |  |   |   |
| 17.1                                | Abundance (Population)                                       | noX10 <sup>3</sup> /100m <sup>3</sup> | 33   | 28   | 21  | 29                                       | 27  | 24  |
| 17.2                                | Name of Group Number and name of group species of each group | --                                    | Nauplius larvae<br>Cyclops<br>Polychaetes<br>Ostracods     | Decapods<br>Copepods<br>Molluscans<br>Mysids | Nauplius larvae<br>Polychaetes<br>Cyclops<br>Mysids | Chaetognaths<br>Amphipods<br>Polychaetes | Nauplius larvae<br>Cyclops<br>Bivalves<br>Polychaetes | Polychaetes<br>Decapods<br>Nauplius larvae<br>Cyclops |
| 17.3                                | Total Biomass  | ml/100 m <sup>3</sup>                 | 3.1  | 2.65   | 2.15  | 2.85                                     | 2.6   | 2.1   |
| <b>C Microbiological Parameters</b> |  |                                       |  |  |   |  |   |   |
| 18.1                                | Total Bacterial Count  | CFU/ml                                | 2490   | 2420   | 2570  | 2460                                     | 2610  | 2710  |
| 18.2                                | Total Coliform   | /ml                                   | Present  | Present                                      | Present   | Present                                  | Present   | Present   |
| 18.3                                | E.coli   | /ml                                   | Absent   | Absent                                       | Absent  | Absent                                   | Absent  | Absent  |
| 18.4                                | Enterococcus species   | /ml                                   | Present  | Present                                      | Present   | Present                                  | Present   | Present   |
| 18.5                                | Salmonella species   | /ml                                   | Absent   | Absent                                       | Absent  | Absent                                   | Absent  | Absent  |
| 18.6                                | Shigella species   | /ml                                   | Absent   | Absent                                       | Absent  | Absent                                   | Absent  | Absent  |
| 18.7                                | Vibrio species   | /ml                                   | Absent   | Absent                                       | Absent  | Absent                                   | Absent  | Absent  |

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

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



**Table No.: 3C.2 - Sea Water (Surface & Bottom) Quality Analysis Results of Sea Water North Side for the period April-21 to September-21:-**

| SR. NO .. | TEST PARAMETERS  | UNIT                      | RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE                             |   |   |   |   |  |  |  |   |   |   |  |
|-----------|--|---------------------------|--|---|---|---|---|--|--|--|---|---|---|--|
|           |  |                           | Apr-21   |   | May-21  |   | Jun-21  |  | Jul-21   |  | Aug-21  |   | Sep-21  |  |
|           |  |                           | 26/04/2021   |   | 21/05/2021  |   | 22/06/2021  |  | 29/07/2021   |  | 11/08/2021  |   | 14/09/2021  |  |
|           |  | Surface                   | Bottom   | Surface   | Bottom  | Surface   | Bottom  | Surface  | Bottom   | Surface  | Bottom  | Surface   | Bottom  |  |
| 1         | pH   | --                        | 7.93   | 7.78  | 8.19  | 8.12  | 8.14  | 8.11   | 8.06   | 8.01   | 7.96  | 7.89  | 8.01  | 8.10   |
| 2         | Temperature  | °C                        | 30.5   | 30.2  | 30.6  | 30.3  | 30.2  | 30.1   | 29.7   | 29.6   | 29.8  | 29.6  | 29.8  | 29.7   |
| 3         | Total Suspended Solids                                       | mg/L                      | 390  | 328   | 371   | 339   | 365   | 349  | 312  | 327  | 289   | 301   | 269   | 280  |
| 4         | BOD (3 Days @ 27 °C)   | mg/L                      | 3.6  | Not Detected  | 3.3   | Not Detected  | 2.9   | Not Detected                                   | 2.6  | Not Detected   | 2.3   | Not Detected                                      | 2.5   | Not Detected   |
| 5         | Dissolved Oxygen   | mg/L                      | 5.8  | 5.7   | 5.9   | 5.7   | 5.8   | 5.7  | 5.9  | 5.8  | 6   | 5.72  | 5.9   | 5.7  |
| 6         | Salinity   | ppt                       | 33.7   | 34.2  | 32.4  | 32.7  | 31.7  | 32.1   | 31.2   | 31.5   | 29.8  | 30.28   | 30.86   | 31.24  |
| 7         | Oil & Grease   | mg/L                      | Not Detected   | Not Detected  | Not Detected  | Not Detected  | Not Detected  | Not Detected                                   | Not Detected   | Not Detected   | Not Detected  | Not Detected                                      | Not Detected  | Not Detected   |
| 8         | Nitrate as NO <sub>3</sub>                                   | µmol/L                    | 2.52   | 2.23  | 3.27  | 3.16  | 2.85  | 2.76   | 2.71   | 2.51   | 2.27  | 2.38  | 2.59  | 2.47   |
| 9         | Nitrite as NO <sub>2</sub>                                   | µmol/L                    | 1.40   | 1.18  | 0.91  | 0.78  | 0.69  | 0.58   | 0.39   | 0.47   | 0.48  | 0.54  | 2.23  | 1.26   |
| 10        | Ammonical Nitrogen as NH <sub>3</sub>                        | µmol/L                    | 2.58   | 2.43  | 2.35  | 2.31  | 2.17  | 2.09   | 1.86   | 1.79   | 1.67  | 1.48  | 0.61  | 0.52   |
| 11        | Phosphates as PO <sub>4</sub>                                | µmol/L                    | 2.52   | 2.26  | 2.89  | 2.68  | 2.54  | 2.37   | 2.27   | 2.18   | 2.19  | 2.35  | 3.31  | 2.85   |
| 12        | Total Nitrogen   | µmol/L                    | 6.50   | 5.84  | 6.53  | 6.25  | 5.71  | 5.43   | 4.96   | 4.77   | 4.42  | 4.4   | 5.43  | 4.25   |
| 13        | Petroleum Hydrocarbon  | µg/L                      | Not Detected   | Not Detected  | Not Detected  | Not Detected  | Not Detected  | Not Detected                                   | Not Detected   | Not Detected   | Not Detected  | Not Detected                                      | Not Detected  | Not Detected   |
| 14        | Total Dissolved Solids                                       | mg/L                      | 35406  | 35784   | 34196   | 34472   | 33529   | 33964  | 32564  | 32892  | 31764   | 32186   | 32730   | 33102  |
| 15        | COD  | mg/L                      | 26.2   | 19.2  | 21.8  | 18.3  | 19.4  | Not Detected                                   | 17.8   | Not Detected   | 14.2  | 12.6  | 12.76   | 10.9   |
| <b>A</b>  | <b>Phytoplankton</b>   |                           |  |   |   |   |   |  |  |  |   |   |   |  |
| 16.1      | Chlorophyll  | mg/m <sup>3</sup>         | 2.69   | 2.38  | 2.8   | 2.12  | 2.70  | 2.24   | 2.58   | 2.34   | 2.45  | 2.38  | 2.49  | 2.41   |
| 16.2      | Phaeophytin  | mg/m <sup>3</sup>         | 0.59   | 0.53  | 0.39  | 0.51  | 0.35  | 0.45   | 0.41   | 0.29   | 0.54  | 0.25  | 0.50  | 0.22   |
| 16.3      | Cell Count   | Unit x 10 <sup>3</sup> /L | 162  | 108   | 146   | 98  | 154   | 118  | 172  | 116  | 148   | 96  | 168   | 106  |
| 16.4      | Name of Group Number and name of group species of each group | --                        | Thalassiosira sp.<br>Rhizosolenia sp.<br>Scenedesmus sp.<br>Asterionella sp. | Nitzschia sp.<br>Navicula sp.<br>Synedra sp.<br>Chaetoceros sp. | Biddulphia sp.<br>Melosira sp.<br>Rhizosolenia sp.<br>Thalassionema sp. | Nitzschia sp.<br>Asterionella sp.<br>Coscinodiscus sp.<br>Fragillaria sp.<br>Ceratiolum sp. | Asterionella sp.<br>Coscinodiscus sp.<br>Nitzschia sp.<br>Clostridium sp. | Navicula sp.<br>Synedra sp.<br>Pleurosigma sp. | Biddulphia sp.<br>Thalassionema sp.<br>Rhizosolenia sp.<br>Pleurosigma sp. | Amphora sp.<br>Navicula sp.<br>Nitzschia sp.<br>Melosira sp. | Skeletonema sp.<br>Pleurosigma sp.<br>Biddulphia sp.<br>Chaetoceros sp. | Nitzschia sp.<br>Synedra sp.<br>Thalassionema sp. | Coscinodiscus sp.<br>Pleurosigma sp.<br>Skeletonema sp.<br>Melosira sp. | Nitzschia sp.<br>Biddulphia sp.<br>Rhizosolenia sp.<br>Synedra sp. |

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

| Sr. NO.  | TEST PARAMETERS  | UNIT                                      | RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE |   |   |                                     |                                      |                                     |
|----------|--|---|--|---|---|-------------------------------------|--------------------------------------|-------------------------------------|
|          |  |   | Apr-21   | May-21  | Jun-21                                    | Jul-21                              | Aug-21                               | Sep-21                              |
|          |  |   | 26/04/2021                                       | 21/05/2021                                    | 22/06/2021                                | 29/07/2021                          | 11/08/2021                           | 14/09/2021                          |
|          |  |   | North Side                                       | North Side                                    | North Side                                | North Side                          | North Side                           | North Side                          |
| <b>B</b> | <b>Zooplanktons</b>  |   |  |   |   |                                     |                                      |                                     |
| 17.1     | Abundance (Population)                                       | noX10 <sup>3</sup> /<br>100m <sup>3</sup> | 34   | 30  | 23  | 31                                  | 26                                   | 23                                  |
| 17.2     | Name of Group Number and name of group species of each group | --  | Polychaetes<br>Ostracods<br>Gastropods           | Amphipods<br>Copepods<br>Molluscans<br>Mysids | Nauplius larvae<br>Cyclops<br>Colpoda sp. | Copepods<br>Decapods<br>Polychaetes | Bivalves<br>Polychaetes<br>Ostracods | Polychaetes<br>Bivalves<br>Copepods |
| 17.3     | Total Biomass  | ml/100 m <sup>3</sup>                     | 3.35   | 2.7   | 2.05                                      | 2.95                                | 2.45                                 | 2.15                                |
| <b>C</b> | <b>Microbiological Parameters</b>                            |   |  |   |   |                                     |                                      |                                     |
| 18.1     | Total Bacterial Count  | CFU/ml                                    | 2190   | 2250  | 2610                                      | 2730                                | 2650                                 | 2560                                |
| 18.2     | Total Coliform   | /ml                                       | Present  | Present                                       | Present                                   | Present                             | Present                              | Present                             |
| 18.3     | E.coli   | /ml                                       | Absent   | Absent  | Absent                                    | Absent                              | Absent                               | Absent                              |
| 18.4     | Enterococcus species   | /ml                                       | Present  | Present                                       | Present                                   | Present                             | Present                              | Present                             |
| 18.5     | Salmonella species   | /ml                                       | Absent   | Absent  | Absent                                    | Absent                              | Absent                               | Absent                              |
| 18.6     | Shigella species   | /ml                                       | Absent   | Absent  | Absent                                    | Absent                              | Absent                               | Absent                              |
| 18.7     | Vibrio species   | /ml                                       | Absent   | Absent  | Absent                                    | Absent                              | Absent                               | Absent                              |

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



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



3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis (South Side) Results for the period April-21 to September-21

Table with 9 columns: Sr. No, PARAMETERS, UNIT, Apr-21, May-21, Jun-21, Jul-21, Aug-21, Sep-21. Rows include Organic Matter, Phosphorus as P, Texture, Petroleum Hydrocarbon, Heavy Metals (Aluminum, Chromium, Manganese, Iron, Nickel, Copper, Zinc, Lead, Mercury), Benthic Organisms (MacroBenthos, MeioBenthos, Population).

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

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**3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -**
**Table -Sea Sediment Quality Analysis Results (North Side) for the period: April-21 to September-21:-**

| Sr. No.. | PARAMETERS   | UNIT              | Apr-21                                  | May-21                                 | Jun-21                                   | Jul-21                                   | Aug-21                                 | Sep-21                    |
|----------|--|-------------------|---|--|--|--|--|---------------------------|
|          |  |                   | 26/04/2021                              | 21/05/2021                             | 22/06/2021                               | 29/07/2021                               | 11/08/2021                             | 14/09/2021                |
| 1        | Organic Matter   | %                 | 0.51                                    | 0.43                                   | 0.49                                     | 0.45                                     | 0.42                                   | 0.38                      |
| 2        | Phosphorus as P  | mg/kg             | 713                                     | 529                                    | 613                                      | 539                                      | 638                                    | 572                       |
| 3        | Texture  | --                | Sandy                                   | Sandy                                  | Sandy                                    | Sandy                                    | Sandy                                  | Sandy                     |
| 4        | Petroleum Hydrocarbon  | mg/kg             | Not Detected                            | Not Detected                           | Not Detected                             | Not Detected                             | Not Detected                           | Not Detected              |
| 5        | <b>Heavy Metals</b>  |                   |   |  |  |  |  |                           |
| 5.1      | Aluminum as Al   | %                 | 4.56                                    | 4.4                                    | 4.91                                     | 4.32                                     | 4.92                                   | 4.80                      |
| 5.2      | Total Chromium as Cr <sup>+3</sup>   | mg/kg             | 149                                     | 112                                    | 138                                      | 105                                      | 132                                    | 113                       |
| 5.3      | Manganese as Mn  | mg/kg             | 558                                     | 523                                    | 609                                      | 584                                      | 514                                    | 608                       |
| 5.4      | Iron as Fe   | %                 | 4.49                                    | 4.5                                    | 4.73                                     | 4.42                                     | 4.8                                    | 4.67                      |
| 5.5      | Nickel as Ni   | mg/kg             | 68                                      | 56                                     | 41.36                                    | 37.6                                     | 47.92                                  | 32.8                      |
| 5.6      | Copper as Cu   | mg/kg             | 37                                      | 31                                     | 39.8                                     | 28.4                                     | 31.76                                  | 27.4                      |
| 5.7      | Zinc as Zn   | mg/kg             | 159                                     | 125                                    | 115                                      | 106                                      | 138                                    | 109                       |
| 5.8      | Lead as Pb   | mg/kg             | 3.28                                    | 3.47                                   | 2.34                                     | 3.58                                     | 2.75                                   | 2.38                      |
| 5.9      | Mercury as Hg  | mg/kg             | Not Detected                            | Not Detected                           | Not Detected                             | Not Detected                             | Not Detected                           | Not Detected              |
| 6        | <b>Benthic Organisms</b>   |                   |   |  |  |  |  |                           |
| 6.1      | Macrobenthos<br>(No and name of groups present,<br>No and name of species of each group present) | --                | Polychaetes<br>Ostracods<br>Echinoderms | Amphipoda<br>Echinoderms<br>Gastropoda | Polychaetes<br>Echinoderms<br>Gastropoda | Polychaetes<br>Gastropoda<br>Crustaceans | Annelids<br>Coelenterates<br>Flatworms | Polychaetes<br>Gastropods |
| 6.2      | MeioBenthos<br>(No and name of groups present,<br>No and name of species of each group present)  | --                | Nematodes<br>Foraminiferans             | Nematodes                              | Nematodes                                | Foraminiferans                           | Nematodes                              | Nematodes                 |
| 6.3      | Population   | no/m <sup>2</sup> | 323                                     | 294                                    | 265                                      | 382                                      | 352                                    | 324                       |

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


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**3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -**
**Table -Dump Pond Water Quality Analysis Results for the period: April-21 to September-21**

| Date    |                                     |      | May-21                  | May-21                    | Aug-21                  | Aug-21                    |
|---------|-------------------------------------|------|-------------------------|---------------------------|-------------------------|---------------------------|
|         |                                     |      | 17/05/2021              | 17/05/2021                | 12/08/2021              | 12/08/2021                |
| Sr. No. | Test Parameters                     | Unit | Dump Pond Discharge -J3 | Dump Pond Discharge(2)-7A | Dump Pond Discharge -J3 | Dump Pond Discharge(2)-J8 |
| 1.      | pH                                  | --   | 8.64                    | 8.56                      | 8.63                    | 8.71                      |
| 2.      | Total Dissolved Solids              | mg/L | 1278                    | 1974                      | 1693                    | 1906                      |
| 3.      | Total Suspended Solids              | mg/L | 15                      | 36                        | 27                      | 31                        |
| 4.      | Turbidity                           | NTU  | 2.3                     | 2.83                      | 2.45                    | 3.1                       |
| 5.      | BOD (3 Days @ 27 °C)                | mg/L | 14.2                    | 15.4                      | 7.8                     | 10.1                      |
| 6.      | Dissolved Oxygen                    | mg/L | 6.1                     | 6                         | 5.8                     | 6.2                       |
| 7.      | COD                                 | mg/L | 65                      | 77                        | 56                      | 62                        |
| 8.      | Salinity                            | ppt  | 0.225                   | 0.267                     | 0.318                   | 0.331                     |
| 9.      | Oil & Grease                        | mg/L | Not Detected            | Not Detected              | Not Detected            | Not Detected              |
| 10.     | Total Hardness as CaCO <sub>3</sub> | mg/L | 570                     | 586                       | 604                     | 712                       |
| 11.     | Fluoride as F                       | mg/L | 0.36                    | 0.41                      | 0.45                    | 0.52                      |
| 12.     | Chloride as Cl                      | mg/L | 125                     | 148                       | 177                     | 184                       |
| 13.     | Zinc as Zn                          | mg/L | 0.2                     | 0.25                      | 0.15                    | 0.21                      |
| 14.     | Cadmium as Cd                       | mg/L | Not Detected            | Not Detected              | Not Detected            | Not Detected              |
| 15.     | Lead as Pb                          | mg/L | Not Detected            | Not Detected              | Not Detected            | Not Detected              |
| 16.     | Mercury as Hg                       | mg/L | Not Detected            | Not Detected              | Not Detected            | Not Detected              |

**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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**3F. STP TREATED WATER QUALITY ANALYSIS MONITORING: -**
**TABLE - STP TREATED WATER QUALITY ANALYSIS RESULTS FOR THE PERIOD: APRIL-21 TO SEPTEMBER-21**

| SR. NO. | TEST PARAMETERS        | UNIT | STP Treated Water Quality Analysis Results |            |            |            |            |            |
|---------|------------------------|------|--|------------|------------|------------|------------|------------|
|         |                        |      | Apr-21                                     | May-21     | Jun-21     | Jul-21     | Aug-21     | Sep-21     |
|         |                        |      | 26/04/2021                                 | 21/05/2021 | 22/06/2021 | 29/07/2021 | 11/08/2021 | 14/09/2021 |
| 1.      | pH                     | --   | 7.01                                       | 7.19       | 7.47       | 7.28       | 7.46       | 7.78       |
| 2.      | Total Suspended Solids | mg/L | 23   | 15         | 28         | 19         | 21         | 23         |
| 3.      | BOD (3 Days @ 27 °C)   | mg/L | 11.8                                       | 9.7        | 10         | 12         | 16         | 14         |
| 4.      | Residual Free Chlorine | mg/L | 0.6  | 0.8        | 0.7        | 0.8        | 0.8        | 0.7        |
| 5.      | Oil & Grease           | mg/L | 5.8  | 4.5        | 3.8        | 3.1        | 5          | 3.9        |

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



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

**Tables - 1 - Behind QHSE Office Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 1 - Behind QHSE Office                  |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 01/04/2021                              | 03/05/2021 | 01/06/2021 | 01/07/2021 | 02/08/2021 | 01/09/2021 |
| 6:00-7:00          | 56.4                                    | 52.8       | 51.6       | 70.6       | 68.8       | 58.5       |
| 7:00-8:00          | 55.3                                    | 59.2       | 55.8       | 67.2       | 67.1       | 65.3       |
| 8:00-9:00          | 47.5                                    | 52.5       | 49.2       | 65.4       | 69.5       | 70.5       |
| 9:00-10:00         | 52.0                                    | 50.7       | 65.5       | 64.3       | 61.6       | 67.8       |
| 10:00-11:00        | 46.8                                    | 51.8       | 48.8       | 56.9       | 56.9       | 65.2       |
| 11:00-12:00        | 54.2                                    | 48.9       | 55.6       | 55.7       | 72.7       | 63.9       |
| 12:00-13:00        | 61.3                                    | 55.0       | 56.8       | 62.3       | 65.4       | 68.4       |
| 13:00-14:00        | 44.9                                    | 55.4       | 50.6       | 67.3       | 65.6       | 61.5       |
| 14:00-15:00        | 53.4                                    | 62.1       | 64.8       | 51.4       | 62.3       | 64.3       |
| 15:00-16:00        | 55.1                                    | 52.2       | 60.3       | 58.6       | 68.5       | 66.2       |
| 16:00-17:00        | 48.5                                    | 57.4       | 59.1       | 62.2       | 70.2       | 69.5       |
| 17:00-18:00        | 49.2                                    | 51.5       | 66.1       | 60.2       | 63.1       | 67.1       |
| 18:00-19:00        | 61.1                                    | 50.2       | 56.7       | 63.3       | 72.0       | 61.9       |
| 19:00-20:00        | 51.2                                    | 52.3       | 62.4       | 66.7       | 70.4       | 64.4       |
| 20:00-21:00        | 54.1                                    | 60.0       | 56.5       | 69.4       | 64.4       | 62.7       |
| 21:00-22:00        | 64.1                                    | 48.8       | 54.2       | 57.2       | 69.1       | 59.4       |

| Sampling Location  | 1 - Behind QHSE Office                    |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 01/04/2021 & 02/04/2021                   | 03/05/2021 & 04/05/2021 | 01/06/2021 & 02/06/2021 | 01/07/2021 & 02/07/2021 | 02/08/2021 & 03/08/2021 | 01/09/2021 & 02/09/2021 |
| 22:00-23:00        | 51.4                                      | 58.3                    | 49.3                    | 45.2                    | 45.6                    | 61.3                    |
| 23:00-00:00        | 52.1                                      | 50.5                    | 52.2                    | 41.6                    | 42.4                    | 47.5                    |
| 00:00-01:00        | 49.5                                      | 47.1                    | 58.4                    | 49.3                    | 36.6                    | 44.9                    |
| 01:00-02:00        | 58.3                                      | 54.5                    | 45.8                    | 40.1                    | 53.4                    | 53.4                    |
| 02:00-03:00        | 44.9                                      | 49.1                    | 50.2                    | 37.5                    | 50.6                    | 41.5                    |
| 03:00-04:00        | 51.2                                      | 55.2                    | 56.5                    | 44.5                    | 59.7                    | 50.3                    |
| 04:00-05:00        | 58.7                                      | 50.6                    | 51.5                    | 42.2                    | 46.5                    | 56.4                    |
| 05:00-06:00        | 50.1                                      | 51.7                    | 48.7                    | 45.6                    | 39.5                    | 45.1                    |

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

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

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

  
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**Tables -2 - PMC Office Back Side Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 2 - PMC Office Back Side                |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 02/04/2021                              | 04/05/2021 | 02/06/2021 | 02/07/2021 | 03/08/2021 | 02/09/2021 |
| 6:00-7:00          | 46.1                                    | 61.5       | 66.2       | 58.1       | 65.9       | 55.2       |
| 7:00-8:00          | 58.1                                    | 48.3       | 62.2       | 64.2       | 69.8       | 55.3       |
| 8:00-9:00          | 59.1                                    | 44.8       | 62.3       | 59.2       | 65.7       | 68.5       |
| 9:00-10:00         | 47.2                                    | 57.5       | 47.8       | 56.3       | 62.8       | 72.2       |
| 10:00-11:00        | 50.3                                    | 57.3       | 57.3       | 52.3       | 63.4       | 56.3       |
| 11:00-12:00        | 54.2                                    | 55.2       | 61.1       | 69.5       | 66.8       | 65.4       |
| 12:00-13:00        | 48.9                                    | 54.4       | 68.2       | 61.2       | 70.8       | 62.8       |
| 13:00-14:00        | 49.5                                    | 49.1       | 57.2       | 66.8       | 67.5       | 55.9       |
| 14:00-15:00        | 51.1                                    | 73.4       | 52.3       | 60.3       | 69.6       | 63.2       |
| 15:00-16:00        | 56.2                                    | 61.0       | 50.8       | 53.2       | 62.5       | 70.3       |
| 16:00-17:00        | 56.1                                    | 47.2       | 52.9       | 58.4       | 71.2       | 59.5       |
| 17:00-18:00        | 50.0                                    | 55.3       | 58.3       | 52.9       | 69.2       | 53.4       |
| 18:00-19:00        | 58.1                                    | 58.4       | 63.2       | 59.1       | 68.7       | 68.2       |
| 19:00-20:00        | 47.1                                    | 47.8       | 52.2       | 65.2       | 69.7       | 66.4       |
| 20:00-21:00        | 60.1                                    | 46.1       | 56.9       | 70.2       | 66.6       | 57.4       |
| 21:00-22:00        | 52.1                                    | 53.2       | 55.2       | 62.7       | 65.5       | 61.4       |

| Sampling Location  | 2 - PMC Office Back Side                  |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 02/04/2021 & 03/04/2021                   | 04/05/2021 & 05/05/2021 | 02/06/2021 & 03/06/2021 | 02/07/2021 & 03/07/2021 | 03/08/2021 & 04/08/2021 | 02/09/2021 & 03/09/2021 |
| 22:00-23:00        | 56.9                                      | 45.5                    | 62.2                    | 42.6                    | 45.5                    | 65.1                    |
| 23:00-00:00        | 49.3                                      | 62.4                    | 58.5                    | 43.3                    | 41.2                    | 68.1                    |
| 00:00-01:00        | 52.0                                      | 53.5                    | 53.2                    | 47.5                    | 38.6                    | 42.9                    |
| 01:00-02:00        | 45.6                                      | 57.5                    | 55.3                    | 48.5                    | 45.3                    | 46.4                    |
| 02:00-03:00        | 53.3                                      | 44.5                    | 47.5                    | 46.8                    | 49.3                    | 54.6                    |
| 03:00-04:00        | 51.7                                      | 51.1                    | 57.1                    | 40.9                    | 41.7                    | 62.1                    |
| 04:00-05:00        | 55.3                                      | 57.8                    | 47.8                    | 52.2                    | 45.4                    | 43.6                    |
| 05:00-06:00        | 49.4                                      | 41.2                    | 59.6                    | 48.3                    | 42.7                    | 41.1                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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



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**Tables - 3 - Sub Station - 6 Back Side Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 3 - Sub Station - 6 Back Side           |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 03/04/2021                              | 05/05/2021 | 03/06/2021 | 03/07/2021 | 04/08/2021 | 03/09/2021 |
| 6:00-7:00          | 60.9                                    | 52.4       | 60.1       | 66.9       | 51.6       | 56.4       |
| 7:00-8:00          | 58.1                                    | 65.8       | 68.1       | 70.5       | 67.6       | 66.7       |
| 8:00-9:00          | 49.0                                    | 58.2       | 51.8       | 56.8       | 64.5       | 62.3       |
| 9:00-10:00         | 50.3                                    | 61.2       | 69.9       | 65.0       | 56.8       | 71.2       |
| 10:00-11:00        | 58.1                                    | 73.1       | 63.3       | 63.6       | 70.3       | 69.9       |
| 11:00-12:00        | 55.2                                    | 62.4       | 60.4       | 73.2       | 69.9       | 55.4       |
| 12:00-13:00        | 52.9                                    | 66.2       | 58.2       | 60.5       | 62.2       | 64.7       |
| 13:00-14:00        | 48.6                                    | 57.1       | 54.9       | 65.6       | 56.5       | 58.4       |
| 14:00-15:00        | 68.1                                    | 69.2       | 66.6       | 55.1       | 63.5       | 60.8       |
| 15:00-16:00        | 70.1                                    | 57.6       | 54.5       | 68.4       | 62.4       | 59.3       |
| 16:00-17:00        | 57.2                                    | 48.2       | 56.2       | 61.9       | 55.8       | 56.5       |
| 17:00-18:00        | 54.1                                    | 49.4       | 48.9       | 57.7       | 72.2       | 61.3       |
| 18:00-19:00        | 49.9                                    | 55.5       | 65.6       | 57.8       | 50.8       | 60.3       |
| 19:00-20:00        | 58.3                                    | 57.2       | 44.9       | 59.5       | 65.3       | 59.6       |
| 20:00-21:00        | 69.2                                    | 65.2       | 69.8       | 65.9       | 57.4       | 55.1       |
| 21:00-22:00        | 55.4                                    | 60.2       | 70.2       | 50.9       | 62.1       | 59.1       |

| Sampling Location  | 3 - Sub Station - 6 Back Side             |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 03/04/2021 & 04/04/2021                   | 05/05/2021 & 06/05/2021 | 03/06/2021 & 04/06/2021 | 03/07/2021 & 04/07/2021 | 04/08/2021 & 05/08/2021 | 03/09/2021 & 04/09/2021 |
| 22:00-23:00        | 51.1                                      | 62.3                    | 60.5                    | 51.1                    | 54.8                    | 49.8                    |
| 23:00-00:00        | 53.4                                      | 57.0                    | 56.6                    | 55.4                    | 60.3                    | 51.2                    |
| 00:00-01:00        | 56.3                                      | 55.1                    | 60.2                    | 44.2                    | 59.5                    | 61.1                    |
| 01:00-02:00        | 48.4                                      | 58.5                    | 59.5                    | 50.5                    | 63.3                    | 45.9                    |
| 02:00-03:00        | 60.5                                      | 60.3                    | 55.4                    | 46.5                    | 66.4                    | 50.1                    |
| 03:00-04:00        | 50.4                                      | 48.1                    | 46.5                    | 45.5                    | 62.2                    | 51.6                    |
| 04:00-05:00        | 49.6                                      | 44.6                    | 60.4                    | 36.1                    | 50.5                    | 43.7                    |
| 05:00-06:00        | 58.1                                      | 53.1                    | 40.8                    | 43.2                    | 54.9                    | 40.2                    |

<sup>#</sup>dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

  
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**Tables - 4 -Sub Station - 8 (Marine Building) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 4 -Sub Station - 8 (Marine Building)    |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 05/04/2021                              | 06/05/2021 | 04/06/2021 | 05/07/2021 | 05/08/2021 | 04/09/2021 |
| 6:00-7:00          | 58.2                                    | 62.2       | 53.6       | 67.6       | 62.0       | 65.1       |
| 7:00-8:00          | 47.4                                    | 50.5       | 68.3       | 63.2       | 68.9       | 53.3       |
| 8:00-9:00          | 65.1                                    | 58.3       | 60.2       | 65.5       | 58.9       | 60.1       |
| 9:00-10:00         | 70.1                                    | 58.6       | 62.5       | 55.4       | 65.0       | 62.1       |
| 10:00-11:00        | 60.2                                    | 45.1       | 57.8       | 68.7       | 61.1       | 68.6       |
| 11:00-12:00        | 67.4                                    | 53.1       | 57.1       | 58.2       | 72.6       | 56.2       |
| 12:00-13:00        | 56.2                                    | 58.5       | 54.3       | 63.1       | 50.6       | 70.4       |
| 13:00-14:00        | 55.9                                    | 60.3       | 57.5       | 69.8       | 53.1       | 63.8       |
| 14:00-15:00        | 65.1                                    | 67.1       | 63.1       | 56.2       | 55.1       | 68.1       |
| 15:00-16:00        | 50.4                                    | 55.1       | 59.2       | 64.6       | 65.1       | 57.2       |
| 16:00-17:00        | 55.8                                    | 53.8       | 54.6       | 54.2       | 56.4       | 55.6       |
| 17:00-18:00        | 47.9                                    | 62.3       | 61.2       | 58.9       | 57.9       | 67.4       |
| 18:00-19:00        | 58.1                                    | 56.1       | 51.3       | 58.7       | 49.8       | 58.9       |
| 19:00-20:00        | 69.2                                    | 73.3       | 69.4       | 55.2       | 67.8       | 58.8       |
| 20:00-21:00        | 55.4                                    | 59.1       | 54.8       | 65.3       | 64.6       | 58.2       |
| 21:00-22:00        | 60.1                                    | 57.9       | 53.3       | 54.6       | 59.5       | 65.5       |

| Sampling Location  | 4 -Sub Station - 8 (Marine Building)      |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 05/04/2021 & 06/04/2021                   | 06/05/2021 & 07/05/2021 | 04/06/2021 & 05/06/2021 | 05/07/2021 & 06/07/2021 | 05/08/2021 & 06/08/2021 | 04/09/2021 & 05/09/2021 |
| 22:00-23:00        | 65.1                                      | 54.1                    | 39.7                    | 35.8                    | 52.8                    | 61.1                    |
| 23:00-00:00        | 57.3                                      | 60.4                    | 50.0                    | 42.3                    | 53.7                    | 65.4                    |
| 00:00-01:00        | 53.4                                      | 51.4                    | 42.3                    | 45.4                    | 47.6                    | 58.1                    |
| 01:00-02:00        | 46.7                                      | 49.5                    | 56.4                    | 38.9                    | 48.9                    | 57.6                    |
| 02:00-03:00        | 57.2                                      | 47.5                    | 43.6                    | 47.6                    | 51.4                    | 49.9                    |
| 03:00-04:00        | 50.4                                      | 49.2                    | 41.1                    | 43.5                    | 56.6                    | 65.1                    |
| 04:00-05:00        | 68.1                                      | 43.2                    | 44.8                    | 35.2                    | 57.4                    | 47.6                    |
| 05:00-06:00        | 69.8                                      | 46.7                    | 42.7                    | 45.7                    | 59.6                    | 57.5                    |

<sup>#</sup>dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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



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

**Tables - 5 - Near Sub Station-7B Ambient Noise Level Monitoring Results during the DayTime and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 5 - Near Sub Station-7B                 |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 06/04/2021                              | 07/05/2021 | 05/06/2021 | 06/07/2021 | 06/08/2021 | 06/09/2021 |
| 6:00-7:00          | 57.1                                    | 68.1       | 52.7       | 68.9       | 64.3       | 68.3       |
| 7:00-8:00          | 47.9                                    | 45.2       | 50.3       | 59.3       | 58.8       | 71.1       |
| 8:00-9:00          | 58.2                                    | 49.6       | 61.3       | 70.1       | 62.6       | 65.6       |
| 9:00-10:00         | 50.2                                    | 50.3       | 70.1       | 64.5       | 60.2       | 58.1       |
| 10:00-11:00        | 46.9                                    | 58.1       | 58.1       | 52.8       | 69.9       | 55.8       |
| 11:00-12:00        | 60.1                                    | 56.2       | 55.1       | 66.6       | 49.9       | 57.1       |
| 12:00-13:00        | 47.9                                    | 47.6       | 53.2       | 61.1       | 58.1       | 54.3       |
| 13:00-14:00        | 44.4                                    | 51.2       | 49.8       | 50.6       | 67.4       | 56.1       |
| 14:00-15:00        | 55.2                                    | 54.2       | 45.9       | 67.1       | 60.1       | 63.1       |
| 15:00-16:00        | 58.5                                    | 66.1       | 53.1       | 46.9       | 56.3       | 59.2       |
| 16:00-17:00        | 54.2                                    | 49.8       | 65.1       | 55.3       | 66.5       | 69.8       |
| 17:00-18:00        | 49.6                                    | 50.1       | 61.5       | 48.7       | 65.2       | 61.2       |
| 18:00-19:00        | 59.2                                    | 60.1       | 46.9       | 65.1       | 70.1       | 51.3       |
| 19:00-20:00        | 65.1                                    | 70.1       | 64.3       | 56.1       | 54.2       | 70.1       |
| 20:00-21:00        | 47.7                                    | 65.1       | 62.1       | 60.1       | 52.8       | 54.8       |
| 21:00-22:00        | 50.1                                    | 50.4       | 56.1       | 53.1       | 71.5       | 60.2       |

| Sampling Location  | 5 - Near Sub Station-7B                   |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 06/04/2021 & 07/04/2021                   | 07/05/2021 & 08/05/2021 | 05/06/2021 & 06/06/2021 | 06/07/2021 & 07/07/2021 | 06/08/2021 & 07/08/2021 | 06/09/2021 & 07/09/2021 |
| 22:00-23:00        | 53.2                                      | 49.6                    | 51.8                    | 42.8                    | 64.4                    | 60.1                    |
| 23:00-00:00        | 63.1                                      | 53.3                    | 50.3                    | 44.6                    | 60.5                    | 63.4                    |
| 00:00-01:00        | 48.9                                      | 44.8                    | 44.7                    | 47.7                    | 55.5                    | 50.0                    |
| 01:00-02:00        | 52.4                                      | 45.6                    | 40.6                    | 41.0                    | 57.1                    | 58.6                    |
| 02:00-03:00        | 60.1                                      | 58.9                    | 42.2                    | 43.9                    | 50.7                    | 56.9                    |
| 03:00-04:00        | 43.9                                      | 60.2                    | 55.1                    | 40.7                    | 59.2                    | 62.4                    |
| 04:00-05:00        | 57.1                                      | 46.2                    | 39.3                    | 49.5                    | 49.7                    | 55.3                    |
| 05:00-06:00        | 49.2                                      | 53.2                    | 43.0                    | 46.4                    | 52.9                    | 45.6                    |

<sup>#</sup>dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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



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**Tables -6 - JS - 1 (Nr. Lakhigam) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 6 - JS - 1 (Nr. Lakhigam)               |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 07/04/2021                              | 08/05/2021 | 07/06/2021 | 07/07/2021 | 07/08/2021 | 07/09/2021 |
| 6:00-7:00          | 53.2                                    | 51.8       | 58.5       | 51.6       | 69.5       | 70.3       |
| 7:00-8:00          | 50.8                                    | 50.1       | 52.2       | 66.2       | 68.1       | 55.4       |
| 8:00-9:00          | 58.1                                    | 62.2       | 64.2       | 61.1       | 57.8       | 68.2       |
| 9:00-10:00         | 47.7                                    | 64.1       | 66.4       | 69.4       | 50.9       | 65.9       |
| 10:00-11:00        | 49.2                                    | 56.2       | 50.9       | 70.3       | 61.2       | 62.4       |
| 11:00-12:00        | 55.3                                    | 52.3       | 55.5       | 64.8       | 57.1       | 66.8       |
| 12:00-13:00        | 60.1                                    | 54.4       | 53.6       | 68.3       | 58.2       | 68.7       |
| 13:00-14:00        | 47.9                                    | 70.2       | 51.2       | 56.5       | 65.3       | 66.3       |
| 14:00-15:00        | 44.8                                    | 65.1       | 50.5       | 63.2       | 63.5       | 62.2       |
| 15:00-16:00        | 51.1                                    | 50.2       | 56.6       | 67.7       | 66.8       | 63.1       |
| 16:00-17:00        | 57.1                                    | 53.1       | 67.5       | 55.8       | 62.7       | 68.6       |
| 17:00-18:00        | 68.2                                    | 54.8       | 62.1       | 73.2       | 65.9       | 65.3       |
| 18:00-19:00        | 60.1                                    | 56.3       | 56.8       | 57.4       | 69.6       | 70.2       |
| 19:00-20:00        | 48.9                                    | 51.4       | 56.4       | 64.4       | 64.5       | 58.4       |
| 20:00-21:00        | 57.1                                    | 56.9       | 49.8       | 65.2       | 71.6       | 66.7       |
| 21:00-22:00        | 46.9                                    | 53.6       | 53.4       | 71.6       | 62.1       | 69.9       |

| Sampling Location  | 6 - JS - 1 (Nr. Lakhigam)                 |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 07/04/2021 & 08/04/2021                   | 08/05/2021 & 09/05/2021 | 07/06/2021 & 08/06/2021 | 07/07/2021 & 08/07/2021 | 07/08/2021 & 08/08/2021 | 07/09/2021 & 08/09/2021 |
| 22:00-23:00        | 50.3                                      | 51.0                    | 47.3                    | 45.3                    | 49.6                    | 49.8                    |
| 23:00-00:00        | 60.3                                      | 68.3                    | 46.7                    | 47.1                    | 51.5                    | 51.2                    |
| 00:00-01:00        | 58.2                                      | 48.3                    | 58.3                    | 48.2                    | 42.3                    | 58.3                    |
| 01:00-02:00        | 54.2                                      | 49.3                    | 54.2                    | 44.3                    | 45.8                    | 54.2                    |
| 02:00-03:00        | 61.5                                      | 55.3                    | 57.6                    | 48.6                    | 50.2                    | 57.6                    |
| 03:00-04:00        | 43.9                                      | 52.4                    | 47.9                    | 36.4                    | 64.7                    | 47.9                    |
| 04:00-05:00        | 60.1                                      | 44.7                    | 42.5                    | 38.4                    | 51.9                    | 51.3                    |
| 05:00-06:00        | 56.2                                      | 46.1                    | 38.5                    | 40.6                    | 57.7                    | 50.4                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

  
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**Tables -7 - Behind S.S. - 11 (Silo) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 7 - Behind S.S. - 11 (Silo)             |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 08/04/2021                              | 10/05/2021 | 08/06/2021 | 08/07/2021 | 09/08/2021 | 08/09/2021 |
| 6:00-7:00          | 57.1                                    | 71.1       | 65.3       | 61.4       | 51.6       | 56.1       |
| 7:00-8:00          | 58.2                                    | 62.3       | 68.4       | 57.6       | 60.3       | 58.2       |
| 8:00-9:00          | 60.1                                    | 48.3       | 59.6       | 49.3       | 55.8       | 60.1       |
| 9:00-10:00         | 47.9                                    | 58.2       | 62.2       | 62.2       | 61.4       | 70.1       |
| 10:00-11:00        | 50.9                                    | 55.5       | 55.8       | 59.5       | 65.7       | 56.8       |
| 11:00-12:00        | 58.1                                    | 61.5       | 63.2       | 61.8       | 63.6       | 65.7       |
| 12:00-13:00        | 55.6                                    | 66.2       | 72.5       | 56.4       | 63.2       | 61.3       |
| 13:00-14:00        | 57.1                                    | 56.5       | 52.9       | 66.3       | 61.6       | 67.8       |
| 14:00-15:00        | 49.6                                    | 57.4       | 58.1       | 51.9       | 69.2       | 51.3       |
| 15:00-16:00        | 60.1                                    | 57.1       | 56.2       | 50.8       | 58.8       | 54.3       |
| 16:00-17:00        | 65.2                                    | 45.5       | 62.3       | 59.4       | 54.2       | 60.2       |
| 17:00-18:00        | 48.9                                    | 50.7       | 57.4       | 65.1       | 55.7       | 64.5       |
| 18:00-19:00        | 50.4                                    | 73.1       | 65.2       | 41.9       | 62.9       | 57.2       |
| 19:00-20:00        | 68.1                                    | 69.2       | 71.1       | 70.2       | 60.2       | 68.1       |
| 20:00-21:00        | 45.9                                    | 52.1       | 58.3       | 63.1       | 64.8       | 56.3       |
| 21:00-22:00        | 50.8                                    | 53.3       | 61.3       | 46.9       | 66.6       | 69.4       |

| Sampling Location  | 7 - Behind S.S. - 11 (Silo)               |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 08/04/2021 & 09/04/2021                   | 10/05/2021 & 11/05/2021 | 08/06/2021 & 09/06/2021 | 08/07/2021 & 09/07/2021 | 09/08/2021 & 10/08/2021 | 08/09/2021 & 09/09/2021 |
| 22:00-23:00        | 61.1                                      | 56.3                    | 55.2                    | 52.8                    | 53.6                    | 46.3                    |
| 23:00-00:00        | 58.2                                      | 56.4                    | 54.4                    | 53.5                    | 52.3                    | 50.8                    |
| 00:00-01:00        | 42.6                                      | 61.3                    | 41.4                    | 39.6                    | 47.8                    | 61.1                    |
| 01:00-02:00        | 61.2                                      | 44.4                    | 45.3                    | 45.8                    | 46.8                    | 51.3                    |
| 02:00-03:00        | 57.8                                      | 65.5                    | 40.2                    | 51.5                    | 57.3                    | 55.1                    |
| 03:00-04:00        | 56.2                                      | 51.3                    | 51.3                    | 46.6                    | 55.3                    | 47.3                    |
| 04:00-05:00        | 60.7                                      | 43.1                    | 50.8                    | 44.4                    | 61.4                    | 58.1                    |
| 05:00-06:00        | 54.9                                      | 52.6                    | 56.1                    | 50.2                    | 64.6                    | 50.9                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

  
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**Tables - 8 –Nr. S&S Entry Gate (Dahej Road) & Silo Loading Point Ambient Noise Level Monitoring Results during the DayTime and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 8 - Silo Loading Point                   |            |            |            |            |            |
|--------------------|--|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A) Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 09/04/2021                               | 11/05/2021 | 09/06/2021 | 09/07/2021 | 10/08/2021 | 09/09/2021 |
| 6:00-7:00          | 61.2                                     | 60.1       | 69.2       | 69.9       | 59.9       | 58.5       |
| 7:00-8:00          | 65.1                                     | 65.2       | 66.2       | 59.2       | 67.7       | 49.3       |
| 8:00-9:00          | 68.1                                     | 59.1       | 63.3       | 57.2       | 56.7       | 61.1       |
| 9:00-10:00         | 50.3                                     | 57.2       | 57.6       | 56.8       | 65.0       | 57.4       |
| 10:00-11:00        | 56.2                                     | 58.4       | 65.4       | 64.5       | 61.1       | 45.9       |
| 11:00-12:00        | 58.1                                     | 51.9       | 59.3       | 55.4       | 72.2       | 55.6       |
| 12:00-13:00        | 68.4                                     | 50.9       | 56.9       | 60.8       | 70.6       | 50.3       |
| 13:00-14:00        | 57.1                                     | 51.3       | 55.3       | 58.4       | 64.2       | 51.2       |
| 14:00-15:00        | 69.4                                     | 54.1       | 50.1       | 59.1       | 55.1       | 68.5       |
| 15:00-16:00        | 62.0                                     | 61.4       | 53.3       | 61.3       | 65.1       | 59.9       |
| 16:00-17:00        | 47.8                                     | 69.3       | 64.1       | 56.7       | 65.5       | 59.2       |
| 17:00-18:00        | 51.2                                     | 59.3       | 60.5       | 69.2       | 57.9       | 54.5       |
| 18:00-19:00        | 63.1                                     | 56.4       | 44.8       | 57.5       | 68.7       | 56.4       |
| 19:00-20:00        | 49.9                                     | 48.8       | 69.1       | 59.3       | 64.4       | 71.3       |
| 20:00-21:00        | 56.2                                     | 61.3       | 61.9       | 55.3       | 67.8       | 64.2       |
| 21:00-22:00        | 66.1                                     | 60.2       | 56.5       | 70.4       | 66.5       | 59.4       |

| Sampling Location  | 8 - Silo Loading Point                     |                         |                         |                         |                         |                         |
|--------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A) Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 09/04/2021 & 10/04/2021                    | 11/05/2021 & 12/05/2021 | 09/06/2021 & 10/06/2021 | 09/07/2021 & 10/07/2021 | 10/08/2021 & 11/08/2021 | 09/09/2021 & 10/09/2021 |
| 22:00-23:00        | 53.4                                       | 51.5                    | 57.2                    | 54.5                    | 54.6                    | 56.2                    |
| 23:00-00:00        | 54.8                                       | 54.4                    | 54.6                    | 60.2                    | 56.8                    | 61.2                    |
| 00:00-01:00        | 46.3                                       | 45.7                    | 42.8                    | 59.2                    | 66.5                    | 68.2                    |
| 01:00-02:00        | 60.2                                       | 56.6                    | 53.6                    | 55.5                    | 51.2                    | 58.2                    |
| 02:00-03:00        | 54.8                                       | 50.7                    | 55.7                    | 59.6                    | 54.5                    | 60.1                    |
| 03:00-04:00        | 60.0                                       | 48.6                    | 41.0                    | 52.6                    | 52.1                    | 44.8                    |
| 04:00-05:00        | 58.1                                       | 46.5                    | 48.6                    | 50.6                    | 50.3                    | 55.2                    |
| 05:00-06:00        | 47.9                                       | 47.8                    | 49.2                    | 53.8                    | 56.9                    | 59.1                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

  
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**Tables -9 - GCPTL Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 9 - GCPTL Gate                          |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 10/04/2021                              | 12/05/2021 | 10/06/2021 | 10/07/2021 | 11/08/2021 | 10/09/2021 |
| 6:00-7:00          | 56.1                                    | 61.7       | 60.4       | 62.4       | 53.1       | 51.6       |
| 7:00-8:00          | 60.1                                    | 65.5       | 58.2       | 68.1       | 60.1       | 55.8       |
| 8:00-9:00          | 46.9                                    | 62.1       | 62.8       | 57.8       | 59.4       | 55.3       |
| 9:00-10:00         | 50.6                                    | 56.1       | 71.2       | 59.9       | 56.3       | 61.2       |
| 10:00-11:00        | 56.2                                    | 62.4       | 65.5       | 61.2       | 52.3       | 65.8       |
| 11:00-12:00        | 54.1                                    | 69.1       | 50.3       | 57.1       | 70.1       | 62.7       |
| 12:00-13:00        | 70.1                                    | 57.3       | 59.1       | 58.2       | 56.1       | 69.8       |
| 13:00-14:00        | 59.2                                    | 65.3       | 59.8       | 53.2       | 44.8       | 50.6       |
| 14:00-15:00        | 48.9                                    | 61.1       | 51.3       | 51.8       | 55.3       | 66.4       |
| 15:00-16:00        | 49.2                                    | 55.3       | 54.3       | 53.1       | 53.2       | 58.1       |
| 16:00-17:00        | 61.1                                    | 53.2       | 61.2       | 54.7       | 56.2       | 59.1       |
| 17:00-18:00        | 65.1                                    | 61.6       | 52.3       | 58.9       | 58.9       | 65.1       |
| 18:00-19:00        | 63.1                                    | 46.8       | 57.2       | 68.2       | 59.1       | 63.2       |
| 19:00-20:00        | 55.2                                    | 60.3       | 49.9       | 71.3       | 65.2       | 66.6       |
| 20:00-21:00        | 47.9                                    | 60.5       | 56.3       | 69.5       | 70.2       | 56.5       |
| 21:00-22:00        | 46.8                                    | 62.6       | 59.2       | 62.1       | 59.3       | 66.1       |

| Sampling Location  | 9 - GCPTL Gate                            |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 10/04/2021 & 11/04/2021                   | 12/05/2021 & 13/05/2021 | 10/06/2021 & 11/06/2021 | 10/07/2021 & 11/07/2021 | 11/08/2021 & 12/08/2021 | 10/09/2021 & 11/09/2021 |
| 22:00-23:00        | 55.2                                      | 48.4                    | 59.3                    | 57.2                    | 52.5                    | 46.3                    |
| 23:00-00:00        | 51.8                                      | 61.4                    | 51.1                    | 49.2                    | 58.4                    | 50.8                    |
| 00:00-01:00        | 60.1                                      | 49.7                    | 47.6                    | 55.3                    | 47.7                    | 61.1                    |
| 01:00-02:00        | 67.2                                      | 51.6                    | 44.4                    | 56.3                    | 51.6                    | 51.3                    |
| 02:00-03:00        | 45.5                                      | 65.6                    | 47.1                    | 54.4                    | 49.2                    | 65.1                    |
| 03:00-04:00        | 47.8                                      | 45.2                    | 40.5                    | 54.3                    | 44.7                    | 47.3                    |
| 04:00-05:00        | 55.6                                      | 56.5                    | 50.5                    | 41.1                    | 53.2                    | 58.4                    |
| 05:00-06:00        | 57.1                                      | 47.2                    | 44.2                    | 46.2                    | 51.7                    | 50.6                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

  
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**Tables - 10 - Lakhi Village (Primary School) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 10 - Lakhi Village (Primary School)     |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 12/04/2021                              | 13/05/2021 | 11/06/2021 | 12/07/2021 | 12/08/2021 | 11/09/2021 |
| 6:00-7:00          | 60.1                                    | 54.2       | 53.1       | 54.0       | 49.9       | 50.1       |
| 7:00-8:00          | 57.2                                    | 58.1       | 55.4       | 58.8       | 59.2       | 48.1       |
| 8:00-9:00          | 47.9                                    | 47.4       | 60.1       | 55.1       | 57.2       | 51.8       |
| 9:00-10:00         | 60.2                                    | 54.3       | 66.9       | 67.5       | 44.9       | 64.0       |
| 10:00-11:00        | 65.1                                    | 61.2       | 68.2       | 69.7       | 53.1       | 51.2       |
| 11:00-12:00        | 68.4                                    | 70.1       | 61.1       | 64.1       | 55.4       | 64.3       |
| 12:00-13:00        | 55.1                                    | 62.5       | 66.5       | 58.1       | 48.9       | 48.2       |
| 13:00-14:00        | 56.2                                    | 50.3       | 56.1       | 63.0       | 50.3       | 55.7       |
| 14:00-15:00        | 48.9                                    | 55.2       | 50.4       | 60.1       | 55.6       | 62.9       |
| 15:00-16:00        | 50.4                                    | 48.4       | 46.8       | 56.3       | 51.3       | 52.1       |
| 16:00-17:00        | 60.1                                    | 49.2       | 65.1       | 67.4       | 54.3       | 53.1       |
| 17:00-18:00        | 56.2                                    | 52.6       | 64.3       | 65.2       | 55.1       | 56.2       |
| 18:00-19:00        | 51.8                                    | 51.2       | 53.2       | 70.1       | 48.3       | 60.6       |
| 19:00-20:00        | 50.1                                    | 58.3       | 45.9       | 61.6       | 49.6       | 45.1       |
| 20:00-21:00        | 57.1                                    | 59.2       | 62.4       | 52.8       | 42.6       | 54.4       |
| 21:00-22:00        | 56.2                                    | 49.8       | 54.5       | 69.6       | 72.0       | 60.9       |

| Sampling Location  | 10 - Lakhi Village (Primary School)       |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 12/04/2021 & 13/04/2021                   | 13/05/2021 & 14/05/2021 | 11/06/2021 & 12/06/2021 | 12/07/2021 & 13/07/2021 | 12/08/2021 & 13/08/2021 | 11/09/2021 & 12/09/2021 |
| 22:00-23:00        | 60.1                                      | 48.8                    | 46.3                    | 57.5                    | 43.1                    | 43.2                    |
| 23:00-00:00        | 42.9                                      | 56.8                    | 50.7                    | 58.5                    | 42.1                    | 42.2                    |
| 00:00-01:00        | 50.4                                      | 54.6                    | 47.7                    | 60.4                    | 43.2                    | 42.0                    |
| 01:00-02:00        | 58.2                                      | 46.9                    | 49.5                    | 53.4                    | 44.2                    | 41.8                    |
| 02:00-03:00        | 47.1                                      | 56.0                    | 58.6                    | 59.7                    | 42.5                    | 40.1                    |
| 03:00-04:00        | 61.1                                      | 52.1                    | 45.2                    | 51.0                    | 45.1                    | 43.7                    |
| 04:00-05:00        | 50.2                                      | 62.6                    | 58.1                    | 57.3                    | 45.9                    | 43.9                    |
| 05:00-06:00        | 57.4                                      | 65.3                    | 50.9                    | 54.8                    | 46.6                    | 46.1                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

  
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**Tables -11 - ERMS Workshop Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 11 - ERMS Workshop                      |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 13/04/2021                              | 14/05/2021 | 12/06/2021 | 13/07/2021 | 13/08/2021 | 13/09/2021 |
| 6:00-7:00          | 46.1                                    | 61.1       | 56.5       | 69.5       | 51.6       | 52.9       |
| 7:00-8:00          | 58.1                                    | 58.5       | 64.4       | 55.4       | 55.8       | 50.3       |
| 8:00-9:00          | 65.2                                    | 56.3       | 62.2       | 63.3       | 66.6       | 61.3       |
| 9:00-10:00         | 50.1                                    | 51.1       | 68.4       | 52.9       | 60.1       | 70.1       |
| 10:00-11:00        | 57.7                                    | 53.2       | 60.2       | 54.4       | 48.8       | 58.1       |
| 11:00-12:00        | 47.4                                    | 61.5       | 55.6       | 62.5       | 55.6       | 55.1       |
| 12:00-13:00        | 47.5                                    | 52.2       | 61.1       | 57.8       | 67.4       | 53.2       |
| 13:00-14:00        | 60.1                                    | 56.5       | 64.5       | 62.4       | 71.3       | 49.8       |
| 14:00-15:00        | 47.8                                    | 59.3       | 53.2       | 62.3       | 58.8       | 66.9       |
| 15:00-16:00        | 46.9                                    | 71.1       | 69.4       | 46.8       | 58.1       | 53.1       |
| 16:00-17:00        | 45.9                                    | 70.3       | 49.8       | 64.5       | 54.1       | 65.1       |
| 17:00-18:00        | 67.3                                    | 60.2       | 51.9       | 65.7       | 65.1       | 56.1       |
| 18:00-19:00        | 46.8                                    | 50.5       | 57.4       | 69.2       | 67.5       | 55.9       |
| 19:00-20:00        | 48.9                                    | 57.1       | 54.1       | 53.2       | 53.1       | 64.3       |
| 20:00-21:00        | 50.3                                    | 54.3       | 62.1       | 60.5       | 56.1       | 62.1       |
| 21:00-22:00        | 61.1                                    | 60.3       | 65.2       | 58.4       | 65.2       | 56.4       |

| Sampling Location  | 11 - ERMS Workshop                        |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 13/04/2021 & 14/04/2021                   | 14/05/2021 & 15/05/2021 | 12/06/2021 & 13/06/2021 | 13/07/2021 & 14/07/2021 | 13/08/2021 & 14/08/2021 | 13/09/2021 & 14/09/2021 |
| 22:00-23:00        | 51.0                                      | 51.2                    | 46.2                    | 46.3                    | 49.1                    | 40.5                    |
| 23:00-00:00        | 51.1                                      | 54.3                    | 58.7                    | 42.4                    | 53.5                    | 62.3                    |
| 00:00-01:00        | 55.1                                      | 59.2                    | 49.4                    | 56.5                    | 60.7                    | 60.6                    |
| 01:00-02:00        | 49.9                                      | 58.8                    | 53.4                    | 52.7                    | 54.2                    | 56.3                    |
| 02:00-03:00        | 57.9                                      | 49.7                    | 44.5                    | 45.1                    | 57.5                    | 64.9                    |
| 03:00-04:00        | 67.1                                      | 46.6                    | 47.2                    | 47.3                    | 47.1                    | 54.5                    |
| 04:00-05:00        | 44.2                                      | 43.3                    | 39.6                    | 55.6                    | 52.2                    | 63.2                    |
| 05:00-06:00        | 57.7                                      | 57.3                    | 52.4                    | 50.9                    | 50.4                    | 55.1                    |

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

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

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

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**Tables - 12 - Behind Pump House Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 12 - Behind Pump House                  |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 14/04/2021                              | 15/05/2021 | 14/06/2021 | 14/07/2021 | 14/08/2021 | 14/09/2021 |
| 6:00-7:00          | 46.9                                    | 55.2       | 54.6       | 72.3       | 73.1       | 61.1       |
| 7:00-8:00          | 57.2                                    | 56.7       | 61.2       | 70.2       | 58.2       | 70.1       |
| 8:00-9:00          | 65.1                                    | 50.4       | 66.3       | 68.6       | 57.1       | 59.2       |
| 9:00-10:00         | 55.2                                    | 65.2       | 58.6       | 61.3       | 62.3       | 58.1       |
| 10:00-11:00        | 47.6                                    | 69.1       | 63.2       | 65.5       | 56.2       | 55.8       |
| 11:00-12:00        | 57.1                                    | 57.3       | 57.1       | 57.3       | 64.1       | 60.1       |
| 12:00-13:00        | 68.4                                    | 50.3       | 68.9       | 66.5       | 68.1       | 70.6       |
| 13:00-14:00        | 57.1                                    | 61.3       | 68.1       | 55.3       | 57.2       | 49.9       |
| 14:00-15:00        | 63.1                                    | 49.1       | 54.5       | 58.6       | 51.3       | 63.1       |
| 15:00-16:00        | 59.2                                    | 58.3       | 65.4       | 53.3       | 56.6       | 56.2       |
| 16:00-17:00        | 63.1                                    | 57.4       | 69.1       | 69.3       | 46.9       | 66.7       |
| 17:00-18:00        | 47.9                                    | 47.9       | 64.1       | 67.4       | 63.2       | 56.3       |
| 18:00-19:00        | 59.1                                    | 46.4       | 56.2       | 58.8       | 55.2       | 65.1       |
| 19:00-20:00        | 56.2                                    | 70.4       | 53.3       | 68.8       | 60.4       | 70.2       |
| 20:00-21:00        | 50.1                                    | 50.2       | 60.5       | 54.6       | 65.5       | 56.7       |
| 21:00-22:00        | 43.3                                    | 52.4       | 56.6       | 62.6       | 53.2       | 52.8       |

| Sampling Location  | 12 - Behind Pump House                    |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 14/04/2021 & 15/04/2021                   | 15/05/2021 & 16/05/2021 | 14/06/2021 & 15/06/2021 | 14/07/2021 & 15/07/2021 | 14/08/2021 & 15/08/2021 | 14/09/2021 & 15/09/2021 |
| 22:00-23:00        | 53.2                                      | 67.1                    | 37.2                    | 54.7                    | 59.8                    | 49.5                    |
| 23:00-00:00        | 68.1                                      | 48.9                    | 52.7                    | 51.4                    | 49.4                    | 45.7                    |
| 00:00-01:00        | 61.2                                      | 50.0                    | 58.2                    | 59.5                    | 66.2                    | 41.2                    |
| 01:00-02:00        | 57.8                                      | 62.7                    | 56.3                    | 54.1                    | 58.9                    | 56.6                    |
| 02:00-03:00        | 47.9                                      | 45.3                    | 60.1                    | 60.5                    | 60.8                    | 53.3                    |
| 03:00-04:00        | 56.2                                      | 59.5                    | 54.3                    | 52.1                    | 43.5                    | 51.0                    |
| 04:00-05:00        | 54.9                                      | 57.6                    | 53.1                    | 57.4                    | 46.6                    | 48.9                    |
| 05:00-06:00        | 40.9                                      | 55.5                    | 49.6                    | 56.1                    | 43.3                    | 63.3                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

  
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**Tables - 13 - Rock Bond Approach (Jetty) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 13 - Rock Bond Approach (Jetty)         |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 15/04/2021                              | 26/05/2021 | 15/06/2021 | 15/07/2021 | 16/08/2021 | 15/09/2021 |
| 6:00-7:00          | 62.2                                    | 73.2       | 55.3       | 56.1       | 62.4       | 51.6       |
| 7:00-8:00          | 60.1                                    | 69.2       | 63.3       | 58.2       | 69.3       | 55.4       |
| 8:00-9:00          | 65.3                                    | 51.3       | 68.3       | 67.7       | 51.8       | 60.1       |
| 9:00-10:00         | 57.1                                    | 58.4       | 68.0       | 65.2       | 50.9       | 47.9       |
| 10:00-11:00        | 45.9                                    | 57.2       | 58.8       | 59.5       | 61.2       | 61.1       |
| 11:00-12:00        | 66.1                                    | 48.6       | 51.2       | 59.4       | 58.3       | 70.1       |
| 12:00-13:00        | 46.8                                    | 55.3       | 59.3       | 61.5       | 68.2       | 56.1       |
| 13:00-14:00        | 70.1                                    | 60.5       | 51.3       | 56.8       | 49.9       | 50.4       |
| 14:00-15:00        | 46.9                                    | 50.8       | 66.1       | 52.4       | 66.8       | 54.3       |
| 15:00-16:00        | 50.4                                    | 51.2       | 54.3       | 55.6       | 59.3       | 58.7       |
| 16:00-17:00        | 65.1                                    | 64.1       | 64.6       | 61.2       | 63.5       | 65.1       |
| 17:00-18:00        | 60.1                                    | 59.2       | 60.8       | 53.6       | 66.7       | 70.2       |
| 18:00-19:00        | 51.2                                    | 56.1       | 55.7       | 63.4       | 65.8       | 53.2       |
| 19:00-20:00        | 52.0                                    | 53.5       | 67.1       | 55.7       | 63.6       | 62.4       |
| 20:00-21:00        | 69.4                                    | 68.2       | 58.3       | 66.3       | 69.5       | 67.5       |
| 21:00-22:00        | 57.4                                    | 55.6       | 59.1       | 59.2       | 70.2       | 69.9       |

| Sampling Location  | 13 - Rock Bond Approach (Jetty)           |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 15/04/2021 & 16/04/2021                   | 26/05/2021 & 27/05/2021 | 15/06/2021 & 16/06/2021 | 15/07/2021 & 16/07/2021 | 16/08/2021 & 17/08/2021 | 15/09/2021 & 16/09/2021 |
| 22:00-23:00        | 60.2                                      | 51.9                    | 45.4                    | 52.5                    | 54.1                    | 63.1                    |
| 23:00-00:00        | 54.8                                      | 58.7                    | 54.1                    | 42.5                    | 56.7                    | 58.8                    |
| 00:00-01:00        | 54.8                                      | 54.7                    | 52.6                    | 46.1                    | 52.0                    | 59.4                    |
| 01:00-02:00        | 60.0                                      | 47.9                    | 54.0                    | 49.7                    | 58.3                    | 62.2                    |
| 02:00-03:00        | 54.9                                      | 53.4                    | 66.4                    | 50.8                    | 53.1                    | 43.8                    |
| 03:00-04:00        | 45.8                                      | 55.9                    | 42.6                    | 46.7                    | 59.3                    | 44.5                    |
| 04:00-05:00        | 54.8                                      | 47.4                    | 50.4                    | 53.3                    | 48.2                    | 60.4                    |
| 05:00-06:00        | 47.7                                      | 42.2                    | 54.8                    | 44.1                    | 60.2                    | 57.2                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

  
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**Tables -14 - New Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 14 - New Gate                           |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 16/04/2021                              | 27/05/2021 | 16/06/2021 | 16/07/2021 | 17/08/2021 | 16/09/2021 |
| 6:00-7:00          | 57.1                                    | 63.1       | 61.4       | 64.4       | 50.3       | 71.1       |
| 7:00-8:00          | 58.1                                    | 57.5       | 57.6       | 69.4       | 70.1       | 58.2       |
| 8:00-9:00          | 47.4                                    | 56.4       | 56.9       | 59.6       | 60.2       | 57.1       |
| 9:00-10:00         | 55.2                                    | 48.2       | 58.2       | 63.1       | 58.5       | 47.8       |
| 10:00-11:00        | 58.3                                    | 55.4       | 59.5       | 61.4       | 69.2       | 56.2       |
| 11:00-12:00        | 60.1                                    | 62.1       | 54.2       | 64.2       | 57.3       | 61.1       |
| 12:00-13:00        | 68.4                                    | 67.4       | 48.8       | 68.5       | 54.3       | 68.1       |
| 13:00-14:00        | 57.4                                    | 68.3       | 44.9       | 58.3       | 56.5       | 57.2       |
| 14:00-15:00        | 46.9                                    | 49.2       | 51.4       | 62.1       | 63.1       | 58.7       |
| 15:00-16:00        | 62.0                                    | 62.3       | 50.8       | 56.2       | 59.2       | 50.3       |
| 16:00-17:00        | 70.2                                    | 65.4       | 55.4       | 60.7       | 67.9       | 62.8       |
| 17:00-18:00        | 65.1                                    | 55.1       | 66.6       | 65.6       | 66.5       | 53.1       |
| 18:00-19:00        | 48.9                                    | 58.6       | 62.3       | 72.8       | 56.8       | 55.2       |
| 19:00-20:00        | 60.2                                    | 50.0       | 67.4       | 70.1       | 70.3       | 60.3       |
| 20:00-21:00        | 55.1                                    | 70.5       | 66.2       | 67.2       | 54.8       | 62.5       |
| 21:00-22:00        | 59.6                                    | 68.4       | 58.4       | 61.6       | 67.2       | 55.3       |

| Sampling Location  | 14 - New Gate                             |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 16/04/2021 & 17/04/2021                   | 27/05/2021 & 28/05/2021 | 16/06/2021 & 17/06/2021 | 16/07/2021 & 17/07/2021 | 17/08/2021 & 18/08/2021 | 16/09/2021 & 17/09/2021 |
| 22:00-23:00        | 68.1                                      | 48.7                    | 52.8                    | 47.2                    | 51.8                    | 64.4                    |
| 23:00-00:00        | 69.9                                      | 58.0                    | 38.3                    | 51.6                    | 50.3                    | 60.3                    |
| 00:00-01:00        | 58.1                                      | 57.7                    | 39.5                    | 38.6                    | 47.4                    | 46.5                    |
| 01:00-02:00        | 54.9                                      | 47.3                    | 46.9                    | 45.9                    | 56.4                    | 56.1                    |
| 02:00-03:00        | 56.2                                      | 50.8                    | 41.5                    | 52.3                    | 46.9                    | 48.6                    |
| 03:00-04:00        | 45.4                                      | 54.0                    | 42.4                    | 40.5                    | 55.1                    | 55.3                    |
| 04:00-05:00        | 58.2                                      | 53.7                    | 54.7                    | 45.0                    | 61.1                    | 49.7                    |
| 05:00-06:00        | 56.2                                      | 55.7                    | 40.7                    | 49.6                    | 42.2                    | 46.7                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

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

**Tables - 15 - Security Barrier Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 15 - Security Barrier Gate              |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 17/04/2021                              | 28/05/2021 | 17/06/2021 | 17/07/2021 | 18/08/2021 | 17/09/2021 |
| 6:00-7:00          | 50.3                                    | 54.2       | 53.1       | 58.5       | 54.9       | 50.3       |
| 7:00-8:00          | 54.2                                    | 58.2       | 60.1       | 57.6       | 63.4       | 69.5       |
| 8:00-9:00          | 57.4                                    | 61.2       | 59.2       | 61.1       | 61.3       | 60.2       |
| 9:00-10:00         | 56.2                                    | 70.2       | 56.3       | 57.4       | 70.1       | 58.1       |
| 10:00-11:00        | 55.4                                    | 48.4       | 52.3       | 45.9       | 62.5       | 49.8       |
| 11:00-12:00        | 56.2                                    | 58.1       | 69.2       | 55.8       | 60.9       | 57.1       |
| 12:00-13:00        | 48.4                                    | 60.1       | 61.5       | 50.3       | 58.4       | 54.3       |
| 13:00-14:00        | 52.1                                    | 62.6       | 55.8       | 51.2       | 63.3       | 56.1       |
| 14:00-15:00        | 60.1                                    | 70.1       | 56.4       | 47.8       | 68.7       | 63.1       |
| 15:00-16:00        | 48.9                                    | 56.2       | 44.8       | 53.1       | 54.5       | 59.2       |
| 16:00-17:00        | 47.1                                    | 49.6       | 49.9       | 69.1       | 65.9       | 46.9       |
| 17:00-18:00        | 46.9                                    | 60.4       | 65.3       | 54.3       | 60.3       | 61.2       |
| 18:00-19:00        | 56.2                                    | 65.1       | 56.1       | 66.4       | 56.7       | 51.3       |
| 19:00-20:00        | 65.3                                    | 68.1       | 63.1       | 56.4       | 66.9       | 70.3       |
| 20:00-21:00        | 55.2                                    | 69.3       | 70.1       | 49.8       | 64.7       | 54.8       |
| 21:00-22:00        | 47.8                                    | 58.7       | 65.1       | 56.3       | 62.2       | 63.2       |

| Sampling Location  | 15 - Security Barrier Gate                |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 17/04/2021 & 18/04/2021                   | 28/05/2021 & 29/05/2021 | 17/06/2021 & 18/06/2021 | 17/07/2021 & 18/07/2021 | 18/08/2021 & 19/08/2021 | 17/09/2021 & 18/09/2021 |
| 22:00-23:00        | 61.1                                      | 58.4                    | 41.6                    | 55.2                    | 44.5                    | 59.2                    |
| 23:00-00:00        | 58.2                                      | 56.2                    | 53.7                    | 37.6                    | 57.2                    | 55.4                    |
| 00:00-01:00        | 54.9                                      | 52.7                    | 52.1                    | 39.9                    | 58.1                    | 65.5                    |
| 01:00-02:00        | 47.9                                      | 44.3                    | 48.3                    | 41.2                    | 52.6                    | 63.5                    |
| 02:00-03:00        | 50.0                                      | 50.4                    | 46.8                    | 44.7                    | 40.1                    | 59.5                    |
| 03:00-04:00        | 62.1                                      | 49.8                    | 48.2                    | 53.0                    | 44.2                    | 63.6                    |
| 04:00-05:00        | 47.9                                      | 41.9                    | 49.8                    | 36.2                    | 52.4                    | 57.4                    |
| 05:00-06:00        | 46.8                                      | 50.1                    | 65.1                    | 40.8                    | 55.7                    | 54.8                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

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

**Tables - 16 - JS-2 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 16 - JS-2                               |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 19/04/2021                              | 20/05/2021 | 18/06/2021 | 19/07/2021 | 19/08/2021 | 18/09/2021 |
| 6:00-7:00          | 56.2                                    | 51.4       | 69.9       | 67.8       | 58.5       | 51.6       |
| 7:00-8:00          | 59.1                                    | 58.8       | 67.2       | 50.3       | 49.2       | 64.4       |
| 8:00-9:00          | 60.2                                    | 68.8       | 60.2       | 61.3       | 61.1       | 61.0       |
| 9:00-10:00         | 52.1                                    | 58.3       | 57.2       | 67.4       | 57.4       | 49.8       |
| 10:00-11:00        | 58.1                                    | 61.3       | 63.5       | 58.1       | 45.9       | 70.3       |
| 11:00-12:00        | 65.1                                    | 47.5       | 63.6       | 62.2       | 55.8       | 49.9       |
| 12:00-13:00        | 50.0                                    | 66.4       | 55.4       | 57.6       | 50.2       | 55.3       |
| 13:00-14:00        | 52.1                                    | 57.3       | 60.5       | 60.4       | 51.2       | 56.3       |
| 14:00-15:00        | 55.2                                    | 52.1       | 63.3       | 57.9       | 67.4       | 58.2       |
| 15:00-16:00        | 60.1                                    | 65.3       | 59.1       | 58.5       | 53.1       | 60.1       |
| 16:00-17:00        | 65.3                                    | 69.1       | 61.3       | 65.4       | 69.1       | 55.8       |
| 17:00-18:00        | 46.9                                    | 45.6       | 66.4       | 63.4       | 54.3       | 68.4       |
| 18:00-19:00        | 48.7                                    | 48.2       | 64.4       | 62.9       | 56.4       | 57.4       |
| 19:00-20:00        | 47.9                                    | 53.2       | 62.2       | 64.3       | 57.6       | 62.1       |
| 20:00-21:00        | 54.9                                    | 62.5       | 59.3       | 62.1       | 49.8       | 65.2       |
| 21:00-22:00        | 69.2                                    | 66.3       | 55.3       | 65.3       | 51.3       | 59.4       |

| Sampling Location  | 16 - JS-2                                 |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 19/04/2021 & 20/04/2021                   | 20/05/2021 & 21/05/2021 | 18/06/2021 & 19/06/2021 | 19/07/2021 & 20/07/2021 | 19/08/2021 & 20/08/2021 | 18/09/2021 & 19/09/2021 |
| 22:00-23:00        | 61.1                                      | 57.9                    | 41.8                    | 41.3                    | 56.2                    | 56.8                    |
| 23:00-00:00        | 52.4                                      | 52.2                    | 50.6                    | 48.0                    | 61.2                    | 61.4                    |
| 00:00-01:00        | 58.2                                      | 42.3                    | 61.1                    | 48.1                    | 55.4                    | 58.5                    |
| 01:00-02:00        | 56.8                                      | 49.4                    | 45.9                    | 39.5                    | 58.2                    | 54.4                    |
| 02:00-03:00        | 57.8                                      | 48.2                    | 50.1                    | 49.9                    | 60.1                    | 52.2                    |
| 03:00-04:00        | 46.6                                      | 45.8                    | 56.2                    | 52.4                    | 44.8                    | 44.6                    |
| 04:00-05:00        | 52.3                                      | 55.4                    | 51.2                    | 35.5                    | 55.2                    | 56.7                    |
| 05:00-06:00        | 56.2                                      | 57.1                    | 49.9                    | 43.6                    | 59.1                    | 59.3                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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



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**Tables - 17 - Railway Dead End Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 17 - Railway Dead End                   |            |            |            |            |            |
|--------------------|---|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 20/04/2021                              | 21/05/2021 | 19/06/2021 | 20/07/2021 | 20/08/2021 | 20/09/2021 |
| 6:00-7:00          | 65.1                                    | 62.2       | 51.6       | 55.3       | 69.5       | 49.9       |
| 7:00-8:00          | 50.4                                    | 71.1       | 55.8       | 69.4       | 70.4       | 59.2       |
| 8:00-9:00          | 46.9                                    | 48.4       | 58.3       | 60.2       | 59.2       | 57.2       |
| 9:00-10:00         | 55.8                                    | 58.6       | 65.7       | 58.3       | 68.1       | 44.9       |
| 10:00-11:00        | 47.9                                    | 56.1       | 58.4       | 61.8       | 65.9       | 63.1       |
| 11:00-12:00        | 49.2                                    | 59.1       | 55.6       | 65.5       | 64.7       | 55.4       |
| 12:00-13:00        | 65.2                                    | 48.3       | 47.6       | 68.8       | 73.2       | 48.9       |
| 13:00-14:00        | 50.8                                    | 45.8       | 50.6       | 72.5       | 55.4       | 50.3       |
| 14:00-15:00        | 66.1                                    | 52.2       | 48.8       | 66.2       | 58.1       | 59.1       |
| 15:00-16:00        | 46.8                                    | 54.3       | 44.8       | 66.9       | 56.2       | 61.3       |
| 16:00-17:00        | 49.3                                    | 60.2       | 69.4       | 58.9       | 60.1       | 58.9       |
| 17:00-18:00        | 59.1                                    | 65.2       | 67.6       | 61.2       | 56.3       | 67.1       |
| 18:00-19:00        | 56.2                                    | 69.2       | 62.8       | 65.8       | 65.1       | 58.2       |
| 19:00-20:00        | 47.8                                    | 51.3       | 65.5       | 70.2       | 70.1       | 59.3       |
| 20:00-21:00        | 68.1                                    | 54.4       | 54.2       | 69.5       | 61.2       | 59.9       |
| 21:00-22:00        | 46.8                                    | 51.5       | 56.5       | 60.5       | 52.8       | 70.1       |

| Sampling Location  | 17 - Railway Dead End                     |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 20/04/2021 & 21/04/2021                   | 21/05/2021 & 22/05/2021 | 19/06/2021 & 20/06/2021 | 20/07/2021 & 21/07/2021 | 20/08/2021 & 21/08/2021 | 20/09/2021 & 21/09/2021 |
| 22:00-23:00        | 67.3                                      | 58.1                    | 51.9                    | 48.4                    | 49.8                    | 59.8                    |
| 23:00-00:00        | 53.2                                      | 48.1                    | 40.3                    | 50.3                    | 51.1                    | 60.5                    |
| 00:00-01:00        | 52.4                                      | 50.2                    | 47.4                    | 35.3                    | 48.7                    | 42.3                    |
| 01:00-02:00        | 46.9                                      | 62.8                    | 51.4                    | 42.0                    | 45.9                    | 60.2                    |
| 02:00-03:00        | 50.2                                      | 65.4                    | 46.6                    | 38.5                    | 50.1                    | 53.5                    |
| 03:00-04:00        | 50.4                                      | 45.1                    | 45.1                    | 43.4                    | 45.0                    | 62.5                    |
| 04:00-05:00        | 51.1                                      | 55.8                    | 57.5                    | 40.4                    | 42.8                    | 53.2                    |
| 05:00-06:00        | 45.9                                      | 61.1                    | 55.5                    | 37.8                    | 49.9                    | 44.7                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

  
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**Tables -18 - S and S Yard (South) and Open Storage Yard – 1 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 18 – Open Storage Yard – 1               |            |            |            |            |            |
|--------------------|--|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A) Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 21/04/2021                               | 22/05/2021 | 21/06/2021 | 21/07/2021 | 21/08/2021 | 21/09/2021 |
| 6:00-7:00          | 53.2                                     | 67.5       | 62.3       | 61.4       | 56.1       | 45.2       |
| 7:00-8:00          | 50.9                                     | 65.5       | 68.1       | 68.2       | 58.2       | 67.1       |
| 8:00-9:00          | 58.1                                     | 58.2       | 51.8       | 62.0       | 61.5       | 57.6       |
| 9:00-10:00         | 65.4                                     | 61.2       | 50.9       | 68.6       | 70.3       | 50.0       |
| 10:00-11:00        | 50.1                                     | 58.5       | 61.2       | 67.3       | 55.7       | 40.9       |
| 11:00-12:00        | 60.1                                     | 56.3       | 57.1       | 71.4       | 63.3       | 55.7       |
| 12:00-13:00        | 49.6                                     | 48.9       | 58.2       | 69.9       | 59.1       | 56.9       |
| 13:00-14:00        | 57.1                                     | 45.2       | 49.9       | 63.8       | 65.8       | 67.3       |
| 14:00-15:00        | 48.9                                     | 50.4       | 46.8       | 69.8       | 57.5       | 51.4       |
| 15:00-16:00        | 60.1                                     | 55.4       | 53.1       | 70.8       | 55.9       | 55.2       |
| 16:00-17:00        | 49.4                                     | 65.4       | 66.3       | 64.4       | 60.2       | 62.2       |
| 17:00-18:00        | 68.4                                     | 50.3       | 48.9       | 65.6       | 58.9       | 60.2       |
| 18:00-19:00        | 68.2                                     | 58.4       | 63.1       | 68.9       | 57.2       | 61.1       |
| 19:00-20:00        | 51.2                                     | 62.8       | 44.9       | 67.9       | 65.3       | 53.2       |
| 20:00-21:00        | 56.2                                     | 56.4       | 73.3       | 73.3       | 60.5       | 40.1       |
| 21:00-22:00        | 50.1                                     | 69.3       | 68.2       | 70.1       | 66.3       | 45.3       |

| Sampling Location  | 18 – Open Storage Yard – 1                 |                         |                         |                         |                         |                         |
|--------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A) Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 21/04/2021 & 22/04/2021                    | 22/05/2021 & 23/05/2021 | 21/06/2021 & 22/06/2021 | 21/07/2021 & 22/07/2021 | 21/08/2021 & 22/08/2021 | 21/09/2021 & 22/09/2021 |
| 22:00-23:00        | 55.4                                       | 58.2                    | 45.5                    | 36.6                    | 39.6                    | 46.2                    |
| 23:00-00:00        | 54.8                                       | 55.0                    | 40.4                    | 53.1                    | 44.1                    | 57.7                    |
| 00:00-01:00        | 46.9                                       | 54.2                    | 41.3                    | 50.0                    | 39.9                    | 60.7                    |
| 01:00-02:00        | 60.2                                       | 52.3                    | 48.4                    | 43.0                    | 47.2                    | 51.4                    |
| 02:00-03:00        | 46.8                                       | 59.3                    | 55.6                    | 41.8                    | 43.8                    | 55.0                    |
| 03:00-04:00        | 60.1                                       | 67.2                    | 49.7                    | 42.1                    | 44.9                    | 47.2                    |
| 04:00-05:00        | 61.2                                       | 42.1                    | 46.4                    | 36.8                    | 53.3                    | 50.7                    |
| 05:00-06:00        | 57.4                                       | 60.6                    | 43.5                    | 34.2                    | 41.3                    | 46.8                    |

<sup>#</sup>dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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



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

**Tables -19 -S & S Yard (North) Boundary WallLoco Shed Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 19 – Loco Shed                           |            |            |            |            |            |
|--------------------|--|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A) Leq <sup>#</sup> |            |            |            |            |            |
| Date of Monitoring | 22/04/2021                               | 24/05/2021 | 22/06/2021 | 22/07/2021 | 23/08/2021 | 22/09/2021 |
| 6:00-7:00          | 53.2                                     | 62.3       | 64.8       | 67.5       | 73.5       | 60.1       |
| 7:00-8:00          | 50.8                                     | 50.5       | 50.3       | 65.2       | 62.2       | 68.1       |
| 8:00-9:00          | 65.1                                     | 54.1       | 61.1       | 66.8       | 64.5       | 57.8       |
| 9:00-10:00         | 57.4                                     | 58.7       | 65.3       | 67.6       | 58.6       | 56.7       |
| 10:00-11:00        | 50.4                                     | 56.5       | 64.5       | 66.4       | 65.2       | 61.2       |
| 11:00-12:00        | 47.4                                     | 48.6       | 55.1       | 61.1       | 57.3       | 57.1       |
| 12:00-13:00        | 55.8                                     | 66.7       | 53.2       | 68.1       | 68.7       | 67.2       |
| 13:00-14:00        | 58.1                                     | 55.6       | 49.8       | 57.2       | 55.3       | 64.4       |
| 14:00-15:00        | 57.2                                     | 61.1       | 45.9       | 60.3       | 56.7       | 54.7       |
| 15:00-16:00        | 61.1                                     | 72.2       | 60.6       | 67.2       | 59.9       | 53.1       |
| 16:00-17:00        | 46.9                                     | 70.3       | 65.2       | 55.4       | 64.1       | 63.2       |
| 17:00-18:00        | 58.1                                     | 60.4       | 68.6       | 63.1       | 59.3       | 68.6       |
| 18:00-19:00        | 54.2                                     | 49.6       | 46.9       | 55.2       | 62.8       | 71.3       |
| 19:00-20:00        | 49.4                                     | 55.1       | 64.3       | 59.3       | 69.8       | 66.4       |
| 20:00-21:00        | 52.9                                     | 70.2       | 52.1       | 67.1       | 67.5       | 70.2       |
| 21:00-22:00        | 57.2                                     | 65.6       | 56.1       | 53.2       | 62.3       | 62.3       |

| Sampling Location  | 19 – Loco Shed                             |                         |                         |                         |                         |                         |
|--------------------|--|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A) Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 22/04/2021 & 23/04/2021                    | 24/05/2021 & 25/05/2021 | 22/06/2021 & 23/06/2021 | 22/07/2021 & 23/07/2021 | 23/08/2021 & 24/08/2021 | 22/09/2021 & 23/09/2021 |
| 22:00-23:00        | 52.2                                       | 55.6                    | 41.2                    | 56.2                    | 43.6                    | 49.6                    |
| 23:00-00:00        | 51.1                                       | 47.6                    | 52.5                    | 35.6                    | 54.4                    | 47.8                    |
| 00:00-01:00        | 53.1                                       | 46.3                    | 46.1                    | 41.5                    | 46.2                    | 61.5                    |
| 01:00-02:00        | 60.1                                       | 60.1                    | 54.5                    | 40.2                    | 54.3                    | 45.8                    |
| 02:00-03:00        | 49.9                                       | 57.2                    | 48.1                    | 44.0                    | 45.7                    | 50.5                    |
| 03:00-04:00        | 49.6                                       | 44.1                    | 44.9                    | 41.7                    | 51.3                    | 56.5                    |
| 04:00-05:00        | 53.4                                       | 48.5                    | 53.3                    | 49.0                    | 50.8                    | 51.5                    |
| 05:00-06:00        | 45.5                                       | 46.4                    | 52.3                    | 40.3                    | 41.8                    | 48.7                    |

\*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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



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**Tables - 20 - Lakhi Village (Below Conveyer Belt) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21**

| Sampling Location  | 20 - Lakhi Village (Below Conveyer Belt) |            |            |            |            |            |
|--------------------|--|------------|------------|------------|------------|------------|
|                    | During Day Time - dB(A)Leq <sup>#</sup>  |            |            |            |            |            |
| Date of Monitoring | 23/04/2021                               | 25/05/2021 | 23/06/2021 | 23/07/2021 | 24/08/2021 | 23/09/2021 |
| 6:00-7:00          | 69.2                                     | 66.1       | 66.1       | 51.6       | 69.6       | 61.4       |
| 7:00-8:00          | 60.1                                     | 58.1       | 70.2       | 55.8       | 66.8       | 55.6       |
| 8:00-9:00          | 50.2                                     | 67.8       | 59.2       | 49.2       | 63.6       | 56.4       |
| 9:00-10:00         | 46.9                                     | 65.7       | 58.8       | 60.1       | 60.9       | 65.9       |
| 10:00-11:00        | 50.8                                     | 57.2       | 65.6       | 48.8       | 65.4       | 59.5       |
| 11:00-12:00        | 50.6                                     | 60.3       | 64.2       | 55.6       | 67.7       | 54.2       |
| 12:00-13:00        | 45.9                                     | 54.5       | 71.2       | 47.8       | 68.2       | 56.8       |
| 13:00-14:00        | 65.1                                     | 52.6       | 49.3       | 50.6       | 60.8       | 54.4       |
| 14:00-15:00        | 56.6                                     | 60.9       | 58.1       | 44.8       | 63.5       | 62.4       |
| 15:00-16:00        | 47.9                                     | 62.4       | 56.2       | 69.2       | 71.8       | 63.8       |
| 16:00-17:00        | 46.8                                     | 56.6       | 60.1       | 59.1       | 64.4       | 55.5       |
| 17:00-18:00        | 55.2                                     | 54.2       | 56.3       | 65.1       | 66.7       | 65.1       |
| 18:00-19:00        | 69.3                                     | 70.1       | 65.1       | 46.8       | 72.2       | 62.9       |
| 19:00-20:00        | 55.2                                     | 65.1       | 70.1       | 53.1       | 65.5       | 68.2       |
| 20:00-21:00        | 60.5                                     | 60.1       | 54.3       | 56.5       | 68.9       | 63.3       |
| 21:00-22:00        | 65.1                                     | 57.5       | 52.8       | 54.2       | 70.2       | 42.9       |

| Sampling Location  | 20 - Lakhi Village (Below Conveyer Belt)  |                         |                         |                         |                         |                         |
|--------------------|---|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
|                    | During Night Time - dB(A)Leq <sup>#</sup> |                         |                         |                         |                         |                         |
| Date of Monitoring | 23/04/2021 & 24/04/2021                   | 25/05/2021 & 26/05/2021 | 23/06/2021 & 24/06/2021 | 23/07/2021 & 24/07/2021 | 24/08/2021 & 25/08/2021 | 23/09/2021 & 24/09/2021 |
| 22:00-23:00        | 46.9                                      | 50.3                    | 53.5                    | 49.8                    | 46.3                    | 49.1                    |
| 23:00-00:00        | 53.4                                      | 56.1                    | 49.1                    | 51.2                    | 30.8                    | 46.9                    |
| 00:00-01:00        | 58.4                                      | 52.5                    | 44.3                    | 40.0                    | 40.0                    | 55.7                    |
| 01:00-02:00        | 60.1                                      | 56.9                    | 51.6                    | 54.2                    | 45.2                    | 54.3                    |
| 02:00-03:00        | 68.1                                      | 46.8                    | 60.3                    | 57.6                    | 48.8                    | 52.4                    |
| 03:00-04:00        | 41.2                                      | 49.9                    | 57.3                    | 47.9                    | 47.3                    | 42.6                    |
| 04:00-05:00        | 61.1                                      | 51.8                    | 44.1                    | 51.3                    | 40.2                    | 47.4                    |
| 05:00-06:00        | 41.5                                      | 62.5                    | 44.6                    | 50.4                    | 50.9                    | 50.2                    |

<sup>#</sup>dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing. Day Time shall mean from 6:00 am to 10:00 pm and Night Time shall mean from 10:00 pm to 06:00 am.

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

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

**Table No.: 3H.1 – DG Sets Stack Emission Monitoring Results for the period: April-21 to September-21**

| Sr. No. | Parameters                     | Unit               | May-2021             |                 |                        |                        |                   |
|---------|--------------------------------|--------------------|----------------------|-----------------|------------------------|------------------------|-------------------|
|         |                                |                    | 20/05/2021           |                 |                        |                        |                   |
|         |                                |                    | DG Set # 1MRSS (SS5) | DG Set # 2 SS7B | DG Set # 3Marine (SS8) | DG Set # 4Silos (SS11) | DG Set # 5 (SS7A) |
| 1       | Particulate Matter             | mg/Nm <sup>3</sup> | 21.56                | 27.63           | 25.6                   | 32.46                  | --                |
| 2       | Sulphur Dioxide                | ppm                | 3.97                 | 4.21            | 5.21                   | 6.57                   | --                |
| 3       | Oxide of Nitrogen              | ppm                | 36.57                | 32.4            | 37.55                  | 34.53                  | --                |
| 4       | Non Methyl Hydro Carbon (NMHC) | mg/m <sup>3</sup>  | Not Detected         | Not Detected    | Not Detected           | Not Detected           | --                |
| 5       | Carbon Monoxide                | mg/m <sup>3</sup>  | 0.0301               | 0.0179          | 0.0226                 | 0.0251                 | --                |

**Table No.: 3H.1 – DG Sets Stack Emission Monitoring Results for the period: April-21 to September-21**

| Sr. No. | Parameters                     | Unit               | Aug-21               |                 |                        |                        |                   |
|---------|--------------------------------|--------------------|----------------------|-----------------|------------------------|------------------------|-------------------|
|         |                                |                    | 12/08/2021           |                 |                        |                        |                   |
|         |                                |                    | DG Set # 1MRSS (SS5) | DG Set # 2 SS7B | DG Set # 3Marine (SS8) | DG Set # 4Silos (SS11) | DG Set # 5 (SS7A) |
| 1       | Particulate Matter             | mg/Nm <sup>3</sup> | 26.37                | 23.47           | 28.44                  | 34.53                  | 26.33             |
| 2       | Sulphur Dioxide                | ppm                | 2.70                 | 3.66            | 4.29                   | 5.83                   | 4.39              |
| 3       | Oxide of Nitrogen              | ppm                | 28.37                | 26.58           | 30.61                  | 32.46                  | 29.42             |
| 4       | Non Methyl Hydro Carbon (NMHC) | mg/m <sup>3</sup>  | Not Detected         | Not Detected    | Not Detected           | Not Detected           | Not Detected      |
| 5       | Carbon Monoxide                | mg/m <sup>3</sup>  | 0.0321               | 0.0196          | 0.0264                 | 0.0338                 | 0.0311            |

  
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**Table No.: 3H.3 - DG Sets Noise Level Monitoring Results for the period: April-21 to September-21**

| Sr. No. | DG Set Average Noise Level In Leq. dB(A) |                                 |            |
|---------|--|---------------------------------|------------|
|         | Sampling Location                        | At 1 m from the enclose outside |            |
|         | Sampling Date                            | May-21                          | Aug-21     |
|         |  | 20/05/2021                      | 12/08/2021 |
| 1.      | DG Set # 1MRSS (SS5)                     | 69.5                            | 67.4       |
| 2.      | DG Set # 2 SS7B                          | 66.3                            | 70.2       |
| 3.      | DG Set # 3Marine (SS8)                   | 71.7                            | 73.5       |
| 4.      | DG Set # 4Sil0 (SS11)                    | 72.2                            | 69.6       |
| 5       | DG Set # 5 (SS7A)                        | --                              | 74.3       |



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# Annexure -4

**Annexure-4: Compliance Status of EMP as mentioned in the EIA study For Phase-III Expansion of Adani Petronet (Dahej) Port Pvt. Ltd., September, 2021**

| S. No.     | EMP Conditions  | Compliance Status  |
|------------|---|--|
| <b>A.</b>  | <b>ENVIRONMENTAL MANAGEMENT PLAN (CONSTRUCTION PHASE)</b>   |  |
| <b>1.1</b> | <b>Air Quality Management Plan</b>  |  |
|            | Dust suppression systems will be installed for fugitive dust emission control while undertaking civil works.  | <b>Complying with.</b><br>Water sprinkler and mist canon is being used to suppress the fugitive dust during construction activity.   |
|            | Regular wetting of roads will be undertaken on the paved and unpaved artillery roads.   | <b>Complying with.</b><br>Regular wetting of roads is undertaken on the paved and unpaved arterial roads.  |
|            | Vehicle tyre washing facilities will be provided at the entrance to prevent spillover of dust sticking on tyre outside the facility.  | <b>Complied</b><br>APDPPL has installed a truck tyre washing system within the port premises, which washes the tyre of trucks exiting the port area.   |
|            | Construction materials kept in open area will be provided with barrier in order to prevent wind carryover of dust.  | <b>Complying with.</b><br>Construction material is being kept in a secure area.  |
|            | Construction materials transportation in and outside the port will be appropriately covered to prevent fugitive dust emissions.   | <b>Complying with.</b><br>Material transportation is being done through trucks covered with tarpaulin.   |
|            | Civil and Mechanical fabrication works will be carried out within the port facility at an appropriate location to avoid impact on the local air quality at project construction site. | <b>Complying with.</b><br>Civil and Mechanical fabrication is being done within the port premises.   |
|            | All construction equipment's at site will be subjected to regular maintenance to minimize the vehicle exhaust.  | <b>Complying with.</b><br>All vehicles are being regularly maintained to minimize the vehicle exhaust.   |
|            | All trucks deployed at site will be provided with fitness and pollution under control certificate.  | <b>Complying with.</b><br>All vehicles are being checked for PUC.  |
|            | DG set with appropriate stack height as per CPCB guidelines for effective dispersion of pollutants shall be provided.   | <b>Complying with.</b><br>All DG sets (standby source) are provided with stack height in compliance to the CPCB standards.   |
| <b>1.2</b> | <b>Noise Quality Management Plan</b>  |  |
|            | DG set with acoustic enclosure will be installed for power supply to construction activities.   | <b>Complying with.</b><br>All DG sets (standby source) are provided with acoustic enclosures.  |
|            | All high decibel noise generating equipment's should be repaired to meet the compliance noise level.  | <b>Complying with.</b><br>Noise generating equipment's are provided with acoustic enclosures.  |
|            | No activity involving with high intensity and magnitude of operation should be deployed. Silencers will be provided in Vehicle exhaust.   | <b>Complying with.</b> <ul style="list-style-type: none"> <li>• All construction and operation activities are in compliance with the Noise level Norms.</li> <li>• Monitoring of noise level is being done by M/s Pollucon Laboratories, NABL accredited and MoEF&amp;CC recognized laboratory.</li> </ul> |

| S. No.     | EMP Conditions   | Compliance Status  |
|------------|--|--|
|            |  | <ul style="list-style-type: none"> <li>Monitoring reports are presented in the <b>Annexure 3G.</b></li> </ul>  |
|            | Onsite fabrication activities will be undertaken at a designated location, which should be located away from the office buildings and any other working areas.           | <b>Complying with.</b><br>Separate designated fabrication yard has been provided.  |
|            | In case noise emissions from the fabrication activities exceed a level of 85 dB(A) at the fence-line of the fabrication yard, temporary noise barrier will be installed. | <b>Complying with.</b> <ul style="list-style-type: none"> <li>There is no occasion till date for exceeding the noise level at the port boundary.</li> <li>Persons working in the fabrication yard are provided with PPEs.</li> </ul>   |
|            | Portable diesel engine generators and diesel engine driven compressors, if any, will be covered with acoustic enclosures.  | <b>Complying with.</b><br>All noise generating equipment's are provided with acoustic enclosures.  |
| <b>1.3</b> | <b>Sewage Management Plan</b>  |  |
|            | Sewage generated from the construction site will be treated in existing STP of 27 m <sup>3</sup> capacity.   | <b>Complying with.</b><br>Domestic effluent is being treated in STPs. of 80 KLD. The treated water conforming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from April, 2021 to September, 2021 are enclosed as <b>Annexure -3F.</b>       |
|            | Treated water will be used for green belt development / landscaping after achieving GPCB prescribed standards.   |  |
| <b>1.4</b> | <b>Solid and Hazardous Waste Management Plan</b>   |  |
|            | Solid waste generated will be segregated at source for biodegradable and non-biodegradable with an option of reuse or recycle before disposal                            | <b>Complying with.</b> <ul style="list-style-type: none"> <li>All solid waste is being segregated for biodegradable and non-biodegradable.</li> <li>Biodegradable waste is being decomposed in vermicomposting yard and other waste is being disposed in compliance to the Solid Waste Management Rules - 2016.</li> </ul> |
|            | All hazardous waste generated will be categorized as per Hazardous Waste Management Rules, 2008.   | <b>Complying with.</b><br>Hazardous waste is being managed in compliance to the Hazardous Waste Management Rules 2016.   |
|            | Recycle/Reuse waste will be sold to authorized recyclers   | <b>Complying with.</b><br>Recyclable waste such as used oil, Discarded drum etc. is being sold to authorize recyclers only.  |
| <b>1.5</b> | <b>Construction Phase Storm Water Runoff</b>   |  |
|            | Existing storm water drainage network will be further strengthened and developed near the project site to prevent surface runoff to the sea.                             | <b>Complying with.</b><br>Storm water drainage system has been provided and regular maintenance is being done.   |
| <b>B.</b>  | <b>ENVIRONMENTAL MANAGEMENT PLAN (OPERATION PHASE)</b>   |  |
| <b>2.1</b> | <b>Air Quality Management Plan - Coal Handling and Stock Yard Area:</b>  |  |
|            | Appropriate stack height will be provided to DG sets to disperse the gases into the atmosphere as per the guidelines suggested by Central Pollution Control Board.       | <b>Complying with.</b><br>All DG sets (standby source) are provided with stack height in compliance to the CPCB standards.   |
|            | Existing Port has installed robust dry fog dust suppression system (DFDS) at the Jetty,  | <b>Complying with.</b>   |

| S. No. | EMP Conditions   | Compliance Status   |
|--------|--|---|
|        | <p>conveyor belt, transfer tower, and discharge point at coal stack yard area. Various types of water spray nozzles have been installed and the water spray is carried out through atomized water spray over the sources using compressors thereby controlling the fugitive dust effectively. Total number of nozzles installed in the port is 350 nos. It is recommended to maintain the same systems for the proposed project activities</p> | <p>All dust control systems are maintained and operating well.<br/> APDPPL has constructed 10 KM long fully mechanized closed conveyor belt with water sprinkling facility for transfer of coal from North Jetty to coal yard and also from coal yard to the rail wagon loading area at a cost of 150 crore. This closed conveyor system reduces the coal dust generation significantly.</p>  |
|        | <p>At coal stack yard, 100 sprinklers have been installed to control fugitive coal dust emissions. At a time 4 sprinklers will be operated and consumes water around 3600 LPM. Similarly, for the proposed expansion of port from 11.7 to 23 MMTPA such a robust DFDS and Sprinklers will be installed and maintained with maximum efficiency.</p>   | <p><b>Complying with.</b></p> <ul style="list-style-type: none"> <li>• At coal stack yard, 130 sprinklers are maintained and operating well.</li> <li>• Pavement of the additional storage area is completed. Installation of water sprinklers and other DSS measures will be complete before storage of coal.</li> </ul>   |
|        | <p>To prevent wind carryover of dust from coal stack yard, wind barrier have been erected around the coal stock pile area at a height of 14m from the ground level. The wind barrier is of galvanized sheet with perforated holes to withstand high velocity wind has been fitted in the structural beams and erected in solid foundation thereby effectively control the wind carryover of dust from the stock piles.</p>                     | <p><b>Shall be complied.</b></p> <p>APDPPL has installed wind breaking wall for dust pollution control in the open coal yard. The wind breaker wall is a porous perforated barrier. At the back of the wall, a low-velocity zone is formed. It effectively reduces the average wind speed, thereby prevents dust from moving, and achieves the purpose of dust suppression. The benefits include;</p> <ul style="list-style-type: none"> <li>➤ Reduction of coal losses in open yard</li> <li>➤ Saves water for dust suppression</li> <li>➤ Improves the living conditions of local residents</li> <li>➤ Improves the working conditions of the on-site staff</li> </ul> <p>Wind break walls have been erected around the coal stock pile area at a height of 14 m from the ground level. The length, width and thickness of each galvanized sheet based wind break metal shield are about 2950 mm, 1250 mm and 0.7 mm respectively. The aperture is round shaped and diameter of each aperture is about 3.5 to 4 mm. The aperture occupies 30 - 40% of a wind break sheet. Several wind break metal sheets are connected together, and have been fitted in structural beams to control the wind carryover of the dust from the stock piles. An amount of 58 crore is spent by APDPPL in erecting and marinating the wind breaking wall around the coal yard.</p> <p>Wind breaker of the same specification will be provided in the additional storage area once completed.</p> |
|        | <p>Road sweeping of dust is being undertaken using mobile van thereby preventing settled dust gets</p>   | <p><b>Complying with.</b></p>   |

| S. No.            | EMP Conditions   | Compliance Status   |
|-------------------|--|---|
|                   | <p>airborne due to movement of vehicles and high wind velocity and the same is recommended</p> <p>High capacity vacuum cleaning machine installed at mobile truck is deployed for removal of dust settled on roads and the same practices will be implemented in the proposed project.</p>   | <p>Road cleaning both inside and outside the port premises is a continuous activity carried out by below two methods. The road sweeping by both methods is carried out till 3 Km from the port main gate on the main road leading to Dahej by APDPPL.</p> <ul style="list-style-type: none"> <li>• <b>Road cleaning by sweeping machine:</b> APDPPL, have 02 nos. of large capacity road sweeping machine. Truck mounted Industrial Vacuum Cleaning Machines have road cleaning capacity. As the storage capacity of the chassis mounted vacuum machine are 04 tone/ hour each which allow rapid collection of spillage, dust and subsequent disposal.</li> </ul> <p><b>Manual Road Cleaning:</b> In addition to the sweeping machine APDPPL has employed labour for continuous cleaning of roads both inside and outside the port area. It is done by three team consisting of 5 members each. All the coal dust collected is sent to the coal yard.</p> |
|                   | <p>Regular wetting of the roads is undertaken through dedicated truck mounted spray arrangement with least water consumption. The same will be implemented in the proposed activities.</p>   | <p><b>Complying with.</b><br/>Sprinkling of water is being done on the roads to control the dust.</p>   |
| <p><b>2.2</b></p> | <p><b>Noise Control Management Plan</b></p> <p>High speed rotating equipments such as gantry cranes motors, hydraulic systems will be installed within-built acoustic systems to maintain the noise decibel as per the manufacturer specifications</p> <p>DG sets installed in open area will be provided with acoustic enclosure</p> <p>Compressors and Diesel generators and pump house will be installed in separate building provided with noise absorbing materials on the walls</p> <p>Movement of vehicles within the port will be restricted with speed control measures</p> <p>Using silent exhaustion pipes for major diesel engine vehicles and heavy trucks operated inside the port</p> | <p><b>Shall be complied.</b><br/>Mechanization of the south jetty is yet to be done.</p> <p><b>Complying with.</b><br/>DG sets installed in open area are provided with acoustic enclosure</p> <p><b>Complying with.</b><br/>Compressor and DG sets &amp; Pump house are installed in separate building and provided with acoustic enclosures.</p> <p><b>Complying with.</b></p> <ul style="list-style-type: none"> <li>• Speed is limited within the port premises.</li> <li>• Proper signage also provided within the premises.</li> </ul> <p><b>Complying with.</b><br/>All major diesel engine vehicles and heavy trucks operated inside the port are with silent exhaust.</p>  |

| S. No.     | EMP Conditions  | Compliance Status  |
|------------|---|--|
|            | Planting trees which acts as barrier to arrest dispersion of noise levels along the internal roads and port boundary  | <b>Complying with.</b><br>Green belt is being developed in an area of 22.68 ha including periphery of the project boundary. The green belt has been developed with plantation of native species and species which helps in creating a barrier for coal dust movement.            |
|            | Using electricity powered equipment inside the port instead of diesel powered ones will be explored to the extent possible  | <b>Complying with.</b><br>Liebherr & Gottwald Crane, Stacking & Reclaiming Conveyor, BWSR equipment are using electricity powered instead of diesel powered inside the port.   |
|            | Change management process will be implemented to modify operation to address noise pollution if occurs  | <b>Complying with.</b><br>APDPPL is certified with the ISO 9001:2015, ISO 14001:2015, and ISO 45001:2018, ISO 50001:2018, ISO 28000:2007. A proper change management process in place for any kind of deviation. However, there is no occurrence of noise level exceeding norms. |
| <b>2.3</b> | <b>Storm Water Management Plan</b>  |  |
|            | Following areas will be provided with storm water drainage systems to prevent any surface run-off in to the sea.<br><ul style="list-style-type: none"> <li>• Reclamation of 23 Ha back up area</li> <li>• Coal stock pile development of 7.7 Ha area</li> <li>• Railway siding area</li> </ul>  | <b>Complying with.</b><br>Coal stock pile and Railway siding area are provided with storm water drainage. Reclamation of 4 Ha area is being done. Remaining 19ha area will be developed phase wise, as per the future requirement.   |
|            | <ul style="list-style-type: none"> <li>• The drainage water will be channeled through a series of sediment traps to remove the majority of the coal sediment before discharging into the natural drains.</li> </ul>   | <b>Complied with.</b><br>Runoff from the coal storage is being routed through dump pond where all the particles settled down.  |
| <b>2.4</b> | <b>Solid &amp; Hazardous Waste Management Plan</b>  |  |
|            | Port operator will prepare the robust waste management plan for the entire operations, process carried out during operation. As part of the plan, a scavenging boat will be anchored for collection of waste due to windblown in to the sea.  | <b>Complying with.</b><br>A waste management plan is in place and a boat is provided to collect the waste blown due to high wind into the sea.   |
|            | In addition to the plan, the wastes that are expected to be generated will be disposed accordingly. The hazardous waste generated from the port operation will be disposed as per the HWM Rules 2008.   | <b>Complying with.</b><br>All the wastes are being managed in compliance to the respective waste management rules as amended in 2016.  |
|            | Solid Waste generated during port operations will be disposed as per Solid Waste (Management & Handling) Rules 2000. Wherever possible the recycle and reuse will be explored for possibilities of recovery of any useful material. Option for recycle/reuse if not economical, then the waste will be disposed as per the SWM Rules, 2000. |  |
| <b>2.5</b> | <b>Green Belt Development Plan:</b>   |  |

| S. No.     | EMP Conditions  | Compliance Status   |
|------------|---|---|
|            | It is proposed to develop nearly 6 ha. of green cover all along the boundary of the port. Green Buffer Zone is being implemented at Eastern project site along the boundary. Saplings of Casuarina and Pedilanthus are planted along the coal stacking yards and periphery of port area.  | <p><b>Complying with.</b></p> <p>Three tier Green belt is being developed in an area of 22.68 ha including periphery of the project boundary. The green belt has been developed with plantation of native species and species which helps in creating a barrier for coal dust movement.</p> |
|            | It is proposed to develop further three tier greenbelt to increase efficiency of dust control.  |   |
| <b>2.6</b> | <b>Community Development Plan</b>   |   |
|            | <p>The proposed CSR programs are based on the needs felt and socioeconomic indicators of the study. The proposed CSR programs can be initially implemented in the five villages of the study area that is Lakhigam, Luvara, Jageshwar, Ambetha and Dahej. Based on the outcome of the CSR programs, it can be expanded to the other villages apart from the study area. The proposed CSR Programs can be grouped into the following subheadings.</p> <p><b>Health Promotions Programs</b></p> <ul style="list-style-type: none"> <li>✓ Health Camps and Health Awareness programs on Institutional Births and Immunization programs</li> <li>✓ Mobile Clinic</li> </ul> | <p><b>Complied.</b></p> <p>The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same are enclosed as <b>Annexure – 8.</b></p>   |
|            | <p><b>Education Promotion Programs</b></p> <ul style="list-style-type: none"> <li>✓ Providing sustenance funds for maintaining School Infrastructure like Drinking water Facilities, Sanitation facilities and providing supplies etc</li> <li>✓ Providing scholarship programs</li> <li>✓ Sport Coaching centre</li> </ul>   |   |
|            | <p><b>Economic Development Programs</b></p> <ul style="list-style-type: none"> <li>✓ Knowledge centre regarding various government schemes and latest technology</li> <li>✓ Skill Development Training Programs</li> </ul>  |   |
|            | <p><b>Women Empowerment</b></p> <ul style="list-style-type: none"> <li>✓ Sanitation Promotion Programs</li> <li>✓ Construction and Maintenance of Sanitation complex</li> <li>✓ Awareness Programs</li> </ul>   |   |
|            | <p><b>Infrastructure development Programs</b></p> <ul style="list-style-type: none"> <li>✓ Developing internal roads of villages</li> <li>✓ Developing drainage systems</li> <li>✓ Solar Street Lights</li> <li>✓ Construction / Maintenance of Community Halls</li> <li>✓ Social Forestry</li> </ul>   |   |
| <b>2.7</b> | <b>Village Specific Infrastructure Development Programs:</b>  |   |

| S. No.     | EMP Conditions   |   | Compliance Status  |
|------------|--|---|--|
| S. No.     | Village  | Programs  |  |
| 1.         | Luvara   | Developing proper drainage system in the village.   |  |
| 2.         | Dahej  | Providing Safe Drinking water Facilities in the schools   |  |
| 3.         | Dahej  | Developing medical facilities in the PHC such as facilities for storage of perishable medicines,  |  |
| 4.         | Jageshwar  | Developing Drainage System  |  |
| 5.         | Lakhigam   | Developing Drainage System  |  |
| 6.         | Lakhigam<br>Luvara<br>Jageshwar  | Developing Solar Street Light and Internal Village Roads  |  |
| 7.         | Ambetha  | Developing Drainage System  |  |
| 8.         | Study Area Villages  | Mobile Clinic providing medical facilities in the villages of the study area by having periodic visits and health camps.                                      |  |
| 9.         | Study Area Villages  | Developing Safe Drinking facilities at Schools in the study area.   |  |
| 10.        | Jageshwar  | Providing training programs on latest technology of fishing, free fishing equipments and providing vocational training programme for alternate income source. |  |
| <b>2.8</b> | <b>Environmental Management Cell</b>   |   |  |
|            | APDPPL has already established and maintained an Environmental Management Cell (EMC) with Head of Department (EHS), supported by field level executives and horticulturist for implementation of the compliance conditions as per Environmental Clearance obtained and GPCB Consent Conditions. Periodical monitoring activities are being undertaken by MoEF recognized and NABL accredited environmental laboratories. Environmental compliance reports are regularly submitted to MoEF regional office, Vadodara and New Delhi. |   | <b>Complied.</b><br>APDPPL has a well structured Environment Management Cell with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as <b>Annexure – 7.</b> |
|            | EMC will be further strengthened in view of the proposed expansion by augmenting resources such as manpower and field equipments, for effective compliance of environmental clearance conditions. Environmental monitoring program   |   |  |

| S. No. | EMP Conditions  | Compliance Status  |
|--------|---|--|
|        | will be undertaken by MoEF recognized and NABL accredited environmental laboratories as part of compliance report preparation and its submission to GPCB, MoEF Regional Office, Vadodara and New Delhi.   |  |
| 2.9    | <b>Cost Estimates for Environmental Management Plan:</b>  |  |
|        | The estimated total cost of the proposed project is Rs.464.32 Crores. Under the project, about Rs.173.35 Crores is allocated towards pollution control equipment, implementation of environmental pollution control measures and environmental management programs. | <p><b>Complied.</b></p> <p>Separate budget is allocated for Environmental Management activities.</p> <ul style="list-style-type: none"> <li>• Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of revenue budget for Environment Cell for the FY 2020-21 was approx. Rs. 374.6 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as <b>Annexure – 6.</b></li> </ul> |

# Annexure -5

### Annexure-V Green Belt Development Plan (APDPPL)

| Sr.no. | Location   | Area in (Hect.) | Tree (No.)      | Tree Spp.   | Shrubs (Sq. Mt.) | Green Carpet (Sq.Mt.) | Palm        | Remarks     | FY                 |
|--------|--|-----------------|-----------------|---|------------------|-----------------------|-------------|-------------|--------------------|
| 1      | PMC office area Landscape / old pump house /Road side              | 0.45            | 500             | Delonix regia/ Peltoforum /casurina (3 x3 m )                     | 1000             | 1500                  | 25          | Implemented | 2010-11            |
|        |  | 0.23            | 250             | Cassia semia/peltoforum/conocarpus (3 x3 m )                      |                  |                       |             |             |                    |
|        |  | 0.20            | 450             | Coconut spp./ fruit trees / Dragon fruit /boganvallia (1.5 x 3 m) |                  |                       |             |             |                    |
|        | Back side lakhibaba temple & Boundry site plantation (phase -1)    | 0.39            | 1300            | Casurina Equisitifolia (1.5x 2 m)                                 | 0                | 0                     |             |             |                    |
|        | Back side lakhibaba temple & Boundry site plantation (phase -1 a ) | 0.27            | 600             | Casurina Equisitifolia (1.5x 3 m)                                 | 0                | 0                     | 0           |             |                    |
|        | <b>Total</b>   | <b>1.54</b>     | <b>3100</b>     |   | <b>1000</b>      | <b>1500</b>           | <b>25</b>   | Implemented | 2011-12            |
| 2      | Gcptcl boudry wall site plantation (phase-1)                       | 1.35            | 6000            | Casurina Equisitifolia (1.5x 1.5 m)                               |                  |                       |             | Implemented | 2012-13            |
|        | APPPL office area (SS-7)   | 0.32            | 400             | Delonix regia /peltoforum/conocarpus/neem (2x4 m)                 | 800              | 8000                  | 200         |             |                    |
|        | Gcptcl boudry wall site plantation (phase-1 a)                     | 0.11            | 500             | eucalyptus/ conocarpus (1.5x 1.5 m)                               | 0                | 0                     | 0           |             |                    |
|        | <b>Total</b>   | <b>1.78</b>     | <b>6900</b>     |   | <b>800</b>       | <b>8000</b>           | <b>200</b>  |             |                    |
| 3      | LNG Site Boundry wall site plantation                              | 0.90            | 4000            | Casurina Equisitifolia /conocarpus(1.5x 1.5 m)                    | 0                |                       | 500         |             |                    |
| 4      | Stack yard   | 0.68            | 3000            | Casurina Equisitifolia/Eucalyptus /conocarpus(1.5x 1.5 m)         | 0                | 0                     | 0           |             |                    |
|        | <b>Total</b>   | <b>1.58</b>     | <b>7000</b>     |   | <b>0</b>         | <b>0</b>              | <b>500</b>  |             |                    |
| 5      | Road site Avenue tree plantation                                   | 0.68            | 1500            | Casurina Equisitifolia/Conocarpus (1.5x 3 m)                      | 3000             | 200                   | 200         | Implimented | 2013-14            |
|        |  | 1.44            | 1600            | Conocarpus (3x3 m)  |                  |                       |             |             |                    |
|        |  | 0.90            | 1500            | Conocarpus (2x3m)   |                  |                       |             |             |                    |
|        | <b>Total</b>   | <b>3.02</b>     | <b>4600.00</b>  |   | <b>3000</b>      | <b>200</b>            | <b>200</b>  |             |                    |
| 6      | Main gate Area Perifery /EHS/Road side                             | 0.24            | 525.00          | Casurina Equisitifolia (1.5x 3 m)                                 |                  |                       |             | Implemented | 2014-15<br>2015-16 |
|        |  | 0.35            | 220.00          | Conocarpus (4x4 m)  |                  |                       |             | Implemented |                    |
|        |  | 0.23            | 500.00          | Golden Bamboo (1.5x 3 m)  |                  |                       |             | Implemented |                    |
|        |  | 0.60            | 500             | Azardirecta indica /peltoforum/ Casurina (3x 4 m)                 | 3450             | 2500                  |             | Implemented |                    |
|        |  | 0.256           | 320             | Conocarpus /Casurina/forest trees (2x4 m)                         |                  |                       | Implemented |             |                    |
|        |  | 0.324           | 810             | Conocarpus /Casurina (2x 2 m)                                     |                  |                       | Implemented |             |                    |
|        | <b>Total</b>   | <b>2.0</b>      | <b>2875.0</b>   |   | <b>3450</b>      | <b>2500</b>           | <b>0</b>    |             |                    |
| 7      | Coal yard area /Railway yard                                       | 0.15            | 255             | Conocarpus /Casurina (2x 3 m)                                     | 0                | 0                     |             |             | 2016-17<br>2017-18 |
|        |  | 1.13            | 5000            | Casurina Equisitifolia/conocarpus (1.5x1.5 m)                     | 0                | 0                     | 2000        | Implemented |                    |
|        |  | 1.13            | 5000            | Casurina Equisitifolia/conocarpus (1.5x 1.5m)                     |                  | 0                     |             | Implemented |                    |
|        | <b>Total</b>   | <b>2.40</b>     | <b>10255.00</b> |   | <b>0</b>         | <b>0</b>              |             |             |                    |
|        | Permenant Godown area  | 0.36            | 1380            | Shrubs and forest tree plantation                                 | 1500             | 2100                  | 100         | Implemented |                    |
|        | Coal Yard Area   | 1.14            | 2861            | Conocarpus /Casurina (2x 2 m)                                     | 1200             | 0                     | 0           | Implemented | 2018-19            |

|   |   |               |                 |   |                 |                 |                |             |         |
|---|---|---------------|-----------------|---|-----------------|-----------------|----------------|-------------|---------|
|   | Periphery road side                                   | 0.68          | 3000            | eucalyptus /conocarpus(1.5x 1.5 m)                    | 0               | 0               |                | Implemented |         |
|   | <b>Total</b>  | <b>2.18</b>   | <b>7241.00</b>  |   | <b>2700.00</b>  | <b>2100.00</b>  | <b>2000.00</b> |             |         |
| 8 | Near J10 Junction                                     | 0.05          | 120             | Conocarpus /Casurina (1 x 1 m)                        |                 |                 |                |             | 2019-20 |
|   | Sea side New Development                              | 0.27          | 1480            | eucalyptus /conocarpu/ Bouganvillia/ shrubs (1x 1 m)  | 500             |                 |                |             |         |
|   | Marine Police Station                                 | 0.17          | 250             | Azardirecta indica /peltoforum/ Casurina (3x 4 m)     | 200             |                 |                |             |         |
|   | Old pump house /silo area                             | 0.11          | 480             | Azardirecta indica /peltoforum/ Casurina (1.5x 1.5 m) |                 |                 |                |             |         |
|   | Port Yard Area  | 0.12          | 400             | eucalyptus /conocarpus(0.80x 0.80m)                   |                 |                 |                |             |         |
|   | Ramji Temple Area / Lakhigam school                   | 0.49          | 820             | Azardirecta indica /peltoforum/ Casurina/conocarpus   |                 |                 |                |             |         |
|   | Near ODC Gate   | 0.02          | 30              | Psidium guajava (Guava) (1.5 x 1.5m)                  |                 |                 |                |             | 2020-21 |
|   | Workshop area   |               | 50              | azadirachta indica (1.5 x 1.5m)                       |                 |                 |                |             |         |
|   | Workshop area   |               | 30              | peltophorum pterocarpum (1.5 x 1.5m)                  |                 |                 |                |             |         |
|   | <b>Total</b>  | <b>1.23</b>   | <b>3660</b>     |   | <b>700</b>      |                 |                |             |         |
|   | PMC office area Landscape / old pump house /Road side |               |                 | palm  |                 |                 | 25             |             | 2021-22 |
|   | APPPL office area                                     | 0.044         | 55              | Delonix regia   |                 |                 |                |             |         |
|   | Gcptcl boudry wall site plantation                    | 0.045         | 450             | Delonix regia   | 200             |                 |                |             |         |
|   | LNG Site Boundry wall site plantation                 | 0.045         | 200             | Casurina  |                 |                 |                |             |         |
|   | Stack yard  | 0.05          | 200             | Casurina  |                 |                 |                |             |         |
|   | Road site Avenue tree plantation                      | 0.59          | 600             | Casurina  | 3150            | 200             | 200            |             |         |
|   | Gcptcl boudry wall site plantation                    |               |                 | Lawn plantation                                       |                 | 8000            |                |             |         |
|   | Main gate Area Periphery /EHS/Road side               | 1.00          | 400             | peltophorum pterocarpum 5 x 5m)                       |                 |                 |                |             |         |
|   | Permenant Godown area                                 |               |                 | shrub   | 450             |                 | 50             |             |         |
|   | Coal Yard Area  | 0.08          | 200             | conocarpus  |                 |                 |                |             |         |
|   | Periphery road side                                   | 0.05          | 200             | eucalyptus/conocarpus                                 |                 |                 |                |             |         |
|   | <b>Total</b>  | <b>1.89</b>   | <b>2305</b>     |   | <b>3800</b>     | <b>8200</b>     | <b>275</b>     |             |         |
|   | <b>Trees Total Green Zone Area (Ha)</b>               | <b>17.608</b> | <b>45631.00</b> |   | <b>15450.00</b> | <b>22500.00</b> | <b>3200.00</b> |             |         |
|   | <b>Shrub/carpet /palm Total Green Zone Area (Ha)</b>  | <b>5.075</b>  |                 |   | <b>1.545</b>    | <b>2.25</b>     | <b>1.28</b>    |             |         |
|   | <b>Total Green Zone Area (Ha)</b>                     | <b>22.683</b> |                 |   |                 |                 |                |             |         |

# Annexure -6

**Annexure – 6: Environment Budget and Expenditure for the FY: 2021-22**

**A. Opex Environment Expenditure for the last 3 years**

| S. NO.                        | ACTIVITY/ CATEGORY   | Cost incurred (IN LAC) |               |               |                            | Budgeted Cost (INR IN Lacs) |
|-------------------------------|--|------------------------|---------------|---------------|----------------------------|-----------------------------|
|                               |  | 2018-2019              | 2019-2020     | 2020- 2021    | (April, 21 to Sept., 2021) | 2021-2022                   |
| 1.                            | EHS Manpower   | 5.54                   | 6.85          | 6.85          | 7.50                       | 7.0                         |
| 2.                            | Legal & Statutory Expenses   | 0.34                   | 0.20          | 7.16          |                            | 5.0                         |
| 3.                            | Environmental Monitoring Services  | 18.30                  | 20.28         | 16.52         | 8.12                       | 16.0                        |
| 4.                            | Cost for Water Consumption and use dust suppression                          | 55.64                  | 71.69         | 46.08         | 18.85                      | 114.97                      |
| 5.                            | Hazardous Waste Management & Disposal  | 2.07                   | 2.12          | 2.72          | 0.83                       | 2.0                         |
| 6.                            | Greenbelt Development and Plantation   | 45.0                   | 40.0          | 44.00         | 18.27                      | 36.19                       |
| 7.                            | O&M of Sewage Treatment Plant  | 5.30                   | 6.70          | 6.77          | 2.79                       | 5.58                        |
| 8.                            | Environment Day Celebration  | 0.50                   | 0.50          | 0.10          | 0.36                       | -                           |
| 9.                            | Treatment and Disposal of Bio-Medical Waste                                  | 1.92                   | 1.92          | 1.92          | 0.96                       | 2.0                         |
| 10.                           | Operation and Maintenance of Road Cleaning equipment and manpower            | 10.27                  | 35.95         | 49.83         | 29.68                      | 73.70                       |
| 11.                           | Operation and Maintenance of Fire staff engage in water sprinkling activity  | 73.74                  | 65.62         | 59.70         | 34.15                      | 87.66                       |
| 12.                           | Environmental Study / Audit and Consultancy                                  | 11.60                  | 9.18          | 3.07          | 0.35                       | 2.0                         |
| 13.                           | Bio Shield Project at village Malpur & Jambusar, Bharuch 1000m x 200m(1.0km) | 0.00                   | 13.57         | 6.78          | 4.07                       | 4.0                         |
| 14.                           | Environment Display Board  | 5.00                   | 5.00          | 5.36          | 0.39                       | 1.0                         |
| 15.                           | Implementation of Single Use Plastic (SUP) Protocol                          | -                      | -             | -             | 0.76                       | 0.50                        |
| 16.                           | Water Audit  | -                      | -             | -             | -                          | 7.0                         |
| 17.                           | Biodiversity Study   | -                      | -             | -             | -                          | 5.0                         |
| 18.                           | Zero Waste to Landfill Certification   | -                      | -             | -             | -                          | 5.0                         |
| <b>Total Amount (In Lacs)</b> |  | <b>235.22</b>          | <b>279.58</b> | <b>256.86</b> | <b>127.80</b>              | <b>374.6</b>                |

**B. Capex Environment Expenditure for the last 3 years**

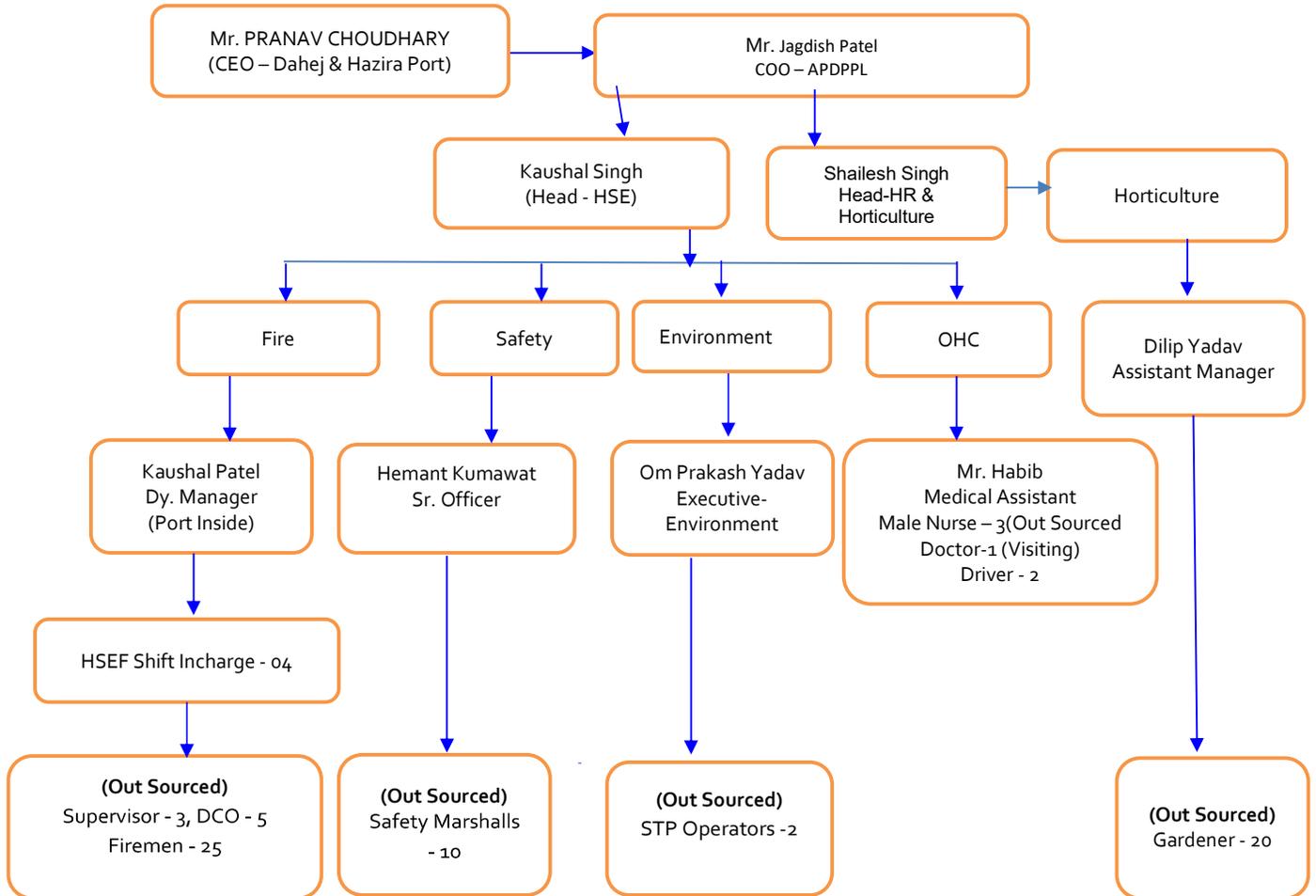
| S. NO.                             | ACTIVITY/ CATEGORY  | Cost incurred (IN LAC) |               |               |               | Budgeted Cost<br>(INR IN Lacs) |
|------------------------------------|---|------------------------|---------------|---------------|---------------|--------------------------------|
|                                    |   |                        |               |               |               |                                |
| 15                                 | Marine Ecology / Shoreline<br>Monitoring                            | 0.00                   | 10.35         | 0.00          | 0.00          | 0.00                           |
| 16                                 | STP -50KL(Membrane<br>Biological Reactor(MBR)<br>Technology)- Capex | 0.00                   | 20.50         | 0.00          | 0.00          | 0.00                           |
| 17                                 | Horticulture Development -<br>CAPEX                                 | 22.57                  | 8.00          | 0.00          | 0.00          | 0.00                           |
| 18                                 | Marine Ecology / Shoreline<br>Monitoring                            | 7.00                   | 0.00          | 0.00          | 0.00          | 0.00                           |
| <b>Total Amount (In Lacs)</b>      |   | <b>29.75</b>           | <b>38.85</b>  | <b>0.00</b>   | <b>0.00</b>   | <b>0.00</b>                    |
| <b>Total(A+B) Amount (In Lacs)</b> |   | <b>257.79</b>          | <b>314.58</b> | <b>256.86</b> | <b>127.80</b> | <b>374.6</b>                   |

# Annexure -7

**Annexure - 7: Organogram of APDPPL - Environment Management Cell**

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

**Department: QHSE Management Cell**



| Details of Environment Cell |                  |                                  |   |                 |
|-----------------------------|------------------|----------------------------------|---|-----------------|
| S. No.                      | Name             | Designation                      | Qualification   | Work Experience |
| 1.                          | Kaushal Singh    | Dy. Manager -HSE                 | Dip-Mech, PGDFS, NEBOSH                                     | 14.6 Years      |
| 2.                          | Dilip Yadav      | Assistant Manager (Horticulture) | B. Tech Agriculture Science                                 | 13 Years        |
| 3.                          | Kaushal Patel    | Dy. Manager (Fire)               | B.Sc. Fire, Post Diploma In Environment Technology (PDIEMT) | 16.6 Years      |
| 4.                          | Hemant Kumawat   | Sr. Officer (Safety)             | Dip – Mech, Dip. In Fire & Safety, NEBOSH                   | 12 Years        |
| 5.                          | Om Prakash Yadav | Executive- (Environment)         | M.Sc. Environment Science                                   | 8.0Years        |