



**Ports and
Logistics**

Letter No.: APDPPL-EHS/MOEF RO/EC Comp (I&II)/2022/01

Date: 01.12.2022

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

Sub.: - Six Monthly Compliance Report of Environment and CRZ Clearance for the period from April 2022 to September 2022

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

Dear Sir,

Please find enclosed herewith point wise compliance report of conditions stipulated in the above referred letters for the period April 2022 to September 2022.

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, 8th 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 28 5002

Fax +91 2641 28 5019

www.adaniports.com

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



ADANI PETRONET (DAHEJ) PORT PVT LTD.

**From: April 2022
To : Sept. 2022**

**SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT &
CRZ CLEARANCE PHASE –I & II
FOR
DEVELOPMENT OF SOLID CARGO PORT TERMINAL AT
DAHEJ, DISTRICT: BHARUCH, GUJARAT**

(FOR THE PERIOD: APRIL 2022 TO SEPTEMBER 2022)

BY

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

| | | |
|--|---|---|
| | ADANI PETRONET (DAHEJ) PORT PVT LTD. | From: April 2022 To : Sept. 2022 |
|--|---|---|

LIST OF APPENDIXES

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

| | | |
|---|---|---|
|  | ADANI PETRONET (DAHEJ) PORT PVT LTD. | From: April 2022 To : Sept. 2022 |
|---|---|---|

List of Annexure

| | | |
|-------------------|---|---|
| Annexure 1 | : | Forest Compliance |
| Annexure 2 | : | Details of Fixed Mobile Fire Fighting System |
| Annexure 3 | : | Environment Monitoring Report |
| Annexure 4 | : | Green Belt Development Plan |
| Annexure 5 | : | CCA Copy |
| Annexure 6 | : | Environmental Budget & Expenditure for FY 22-23 |
| Annexure 7 | : | Compliance status of EMP as per Guidelines |
| Annexure 8 | : | CSR Report form April 2022 to September 2022 |
| Annexure 9 | : | Environment Cell Organogram |

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

| Sr. No. | Specific Conditions | Compliance | | | | | | | | | | | | | | | | | | | | | |
|--------------|--|---|----------|--|-------------|-------|-----------|-----|------------|------|-----|-----|-------------|----|---|------|------|----------|-----|------|----|----|----|
| P2(i) | All the conditions stipulated by Ministry of Environment and Forests, Regional Office, Western Region, Bhopal vide their letter No. 6-GJ060/2006-BHO/1508, dtd., 16.6.2008 shall be strictly adhered to | Complied. All the conditions mention by Ministry of Environment and Forests, Regional Office, Western Region, Bhopal vide their letter No. 6-GJ060/2006-BHO/1508, dtd., 16.6.2008 have been complied with. Copy of the compliance status enclosed as Annexure – 1. | | | | | | | | | | | | | | | | | | | | | |
| P2(ii) | All the conditions stipulated by Forest and Environment Department, Govt. of Gujarat vide their letter No.-FCA-1006(10-9) SF-76-K, dated., 1.7.2008 dated 16.6.2008 shall be strictly adhered to | Complied. All the conditions mention by Forest and Environment Department, Govt. of Gujarat vide their letter No.-FCA-1006(10-9) SF-76-K, dated., 1.7.2008 dated 16.6.2008 have been complied with. Copy of the compliance status enclosed as Annexure – 1. | | | | | | | | | | | | | | | | | | | | | |
| P2(iii) | No reclamation will be carried out for the activity | Complied. Project (Phase I & II) has been developed within existing land without any reclamation. | | | | | | | | | | | | | | | | | | | | | |
| P2(iv) | All the conditions stipulated by the Gujarat Coastal Zone Management Authority including Ministry of Environment and Forests clearance dated 16.6.2008 under the Forest Conservation Act shall complied. | Noted. We complied with the conditions stipulated by GCZMA including MOEF dated 16.06.2008. Copy of the compliance status enclosed as Appendix – 1. | | | | | | | | | | | | | | | | | | | | | |
| P2(v), P1(i) | Sewage Treatment Plant should be included in the project | Complied. Sewage generated from port is being treated in designated STP of 80KL/Day capacity. <table><tr><td>Capacity</td><td>Quantity of Wastewater (Avg. from April 2022 to Sept. 2022.)</td><td>Type of STP</td></tr><tr><td>80KLD</td><td>22.68 KLD</td><td>MBR</td></tr></table> The treated water from STP is being utilized on land for horticulture purpose within port premises after achieving permissible norms prescribed in CCA order. Treated water report are attached in Annexure 3F . Monthly monitoring of STP was being done by M/s. Pollucon Laboratories. Summary of STP treated water analysis results during compliance period from April 2022 to Sept. 2022 are mentioned below. <table><tr><td>Parameters</td><td>Unit</td><td>Min</td><td>Max</td><td>Perm. Limit</td></tr><tr><td>PH</td><td>-</td><td>7.09</td><td>8.06</td><td>6.5- 8.5</td></tr><tr><td>TSS</td><td>mg/L</td><td>21</td><td>29</td><td>30</td></tr></table> | Capacity | Quantity of Wastewater (Avg. from April 2022 to Sept. 2022.) | Type of STP | 80KLD | 22.68 KLD | MBR | Parameters | Unit | Min | Max | Perm. Limit | PH | - | 7.09 | 8.06 | 6.5- 8.5 | TSS | mg/L | 21 | 29 | 30 |
| Capacity | Quantity of Wastewater (Avg. from April 2022 to Sept. 2022.) | Type of STP | | | | | | | | | | | | | | | | | | | | | |
| 80KLD | 22.68 KLD | MBR | | | | | | | | | | | | | | | | | | | | | |
| Parameters | Unit | Min | Max | Perm. Limit | | | | | | | | | | | | | | | | | | | |
| PH | - | 7.09 | 8.06 | 6.5- 8.5 | | | | | | | | | | | | | | | | | | | |
| TSS | mg/L | 21 | 29 | 30 | | | | | | | | | | | | | | | | | | | |

| Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II. | | | | | | |
|--|---|---|------|-----|-----|----------|
| Sr. No. | Specific Conditions | Compliance | | | | |
| | | BOD (3 Days @ 27 °C | mg/L | 14 | 18 | 20 |
| | | Residual Free Chlorine | mg/L | 0.5 | 0.8 | 0.5(Min) |
| | | Oil & Grease | mg/L | 2.5 | 4.2 | - |
| P2(vi), P1(ii) | Afforestation in 200 ha. with mangroves should be undertaken under the project, as identified by the Gujarat Forest Department. | Complied. Mangrove afforestation has been carried out in an area of 400 ha Phase I & II (200 Ha for both). Details are given below. <ol style="list-style-type: none"> 100 ha near village Dandi, District Surat– 2011 50 ha near village Jakhau, District Kutch – 2011 50 ha near Padri bit, District Bhavnagar – 2011 200 ha near Malpur, Ta. Jambusar – 2013-14 50 ha Devjagan/Nada Ta. Jambusar – 2017 – 18 (Done as compliance to Phase –III EC &CRZ clearance) Reports of 400 Ha Mangrove afforestation were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017 and Report of 50 ha Mangrove afforestation (2017-18) was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 29/05/2019. | | | | |
| P2(vii) | Afforestation @1:3 shall be carried out in case of any trees to be cut. | Complied. <ul style="list-style-type: none"> Afforestation on 38 Ha. Land has been completed with the help of forest department during 2012-14. Land has been declared as reserve forest vide notification dated 23/12/2008. Copy of the same was submitted along with half yearly compliance report vide letter no. APDPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017. | | | | |
| P2(viii), P1(iii) | The recommendations of the Risk Assessment Report should be incorporated | Complied. Risk Assessment Report was submitted along with compliance report dated 20/02/2008. The recommendation of risk assessment is incorporated and being followed during construction and operation phases. | | | | |

| Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|--|-------|----------------|------|-----|-----|-------------|----|------|------|----|----|------|------|------------------------|------|-----|------|----------|-----|------|------|----------------|------|-------|-------|--|-------|-----|-----|
| Sr. No. | Specific Conditions | Compliance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(ix), P1(v) | The materials for the filling and pavement construction should be made available from approved quarries. | Complied. Construction of the project (Phase I & II) was completed in February 2011. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(x), P1(vi) | Sufficient fixed and mobile firefighting system should be provided exclusively for the terminal in consultation with the local statutory bodies. | Complied. Adequate fixed and mobile firefighting systems are provided. Details of firefighting systems available with APDPPL is submitted to District collector, Mamlatdar (Disaster) and Gujarat Maritime Board, Bharuch, vide letter no. APDPPL/EHS/DMP/Rev-07/2020-21, 123 & 124 dated 20.01.2021. Details of the same are enclosed as Annexure – 2 . | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(xi), P1(x) | All development in the port should be carried out in accordance with the Coastal Regulation Zone Notification, 1991 and approved Coastal Zone Management Plan of Gujarat. | Complied. Construction of Phase I & II has been completed in February 2011 and same was carried out in accordance with CRZ Notification 1991. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(xii), P1(xi) | There shall be no withdrawal of ground water in CRZ area for this project. The proponent should ensure that as a result of the proposed constructions, ingress of saline water into ground water does not take place. Piezometers shall be installed for regular monitoring for this purpose at appropriate locations on the project site. | Complied. Ground water is not tapped for the project. Entire freshwater requirement is being met through GIDC water supply. Two Piezometers have been installed at different locations inside port. Monthly monitoring of ground water level & quality is being done through NABL accredited & MoEF&CC recognized laboratory M/s Pollucon Laboratories, Surat. Summary of Piezometers analysis results during compliance period from April 2022 to September 2022 is mentioned below: <table><tr><th>Test Parameter</th><th>Unit</th><th>Min</th><th>Max</th></tr><tr><td>Temperature</td><td>°C</td><td>28.9</td><td>30.7</td></tr><tr><td>pH</td><td>--</td><td>7.14</td><td>8.21</td></tr><tr><td>Total Dissolved Solids</td><td>mg/L</td><td>648</td><td>1240</td></tr><tr><td>Salinity</td><td>ppt</td><td>0.14</td><td>0.31</td></tr><tr><td>Chloride as Cl</td><td>mg/L</td><td>76.97</td><td>174.0</td></tr><tr><td>Depth of Water Level from Ground Level</td><td>meter</td><td>1.5</td><td>1.5</td></tr></table> Copies of monitoring reports are enclosed as Annexure 3B . | | Test Parameter | Unit | Min | Max | Temperature | °C | 28.9 | 30.7 | pH | -- | 7.14 | 8.21 | Total Dissolved Solids | mg/L | 648 | 1240 | Salinity | ppt | 0.14 | 0.31 | Chloride as Cl | mg/L | 76.97 | 174.0 | Depth of Water Level from Ground Level | meter | 1.5 | 1.5 |
| Test Parameter | Unit | Min | Max | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature | °C | 28.9 | 30.7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| pH | -- | 7.14 | 8.21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Dissolved Solids | mg/L | 648 | 1240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Salinity | ppt | 0.14 | 0.31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Chloride as Cl | mg/L | 76.97 | 174.0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth of Water Level from Ground Level | meter | 1.5 | 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II. | | |
|--|--|--|
| Sr. No. | Specific Conditions | Compliance |
| P2(xiii), P1(xii) | The project shall not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/Electricity Department. | <p>Complied. Project is commissioned after obtaining permission from PWD and Electricity Department.</p> <ol style="list-style-type: none"> 1. GIDC permission dated 19.02.2013. 2. Electricity Department approval dated 18.02.2011 |
| P2(xiv), P1(xiii) | Specific arrangements for rainwater harvesting shall be made in the project design and the rain water so harvested shall be optimally utilized. Details in this regard shall be furnished to this Ministry's Regional Office at Bhopal within 3 months | <p>Complied. The feasibility study for rainwater harvesting was conducted. Based on the report it was concluded that rainwater harvesting is not advisable as the area is next to the coast. Report was submitted along with the half-yearly compliance report dated 22.05.2015.</p> <p>Ministry of Water Resources (May 2000) it is mentioned that "The upper 3 m of the unsaturated zone is not considered for recharging, since it may cause adverse environmental impact e.g. water logging, soil salinity, etc. The post monsoon depth to water level represents a situation of minimum thickness of vadose zone available for recharge which can be considered vis-a-vis surplus monsoon run off in the area."</p> <p>Point no. I of Sub Para D of para VI on Page 7/11 of CGWA Guideline issued by Central Ground Water Authority (CGWA) for Criteria for evaluation of proposals/requests for GW abstraction (wef. 15/11/2012) it is mentioned that "(i). Mandatory clause on RWH may be relaxed in case of waterlogged/shallow water level (< 5 m bgl during pre-monsoon) areas."</p> <p>As per point no. VIII of para 2.1.2. of Guidelines for issuance of No Objection Certificate (NOC) for ground water withdrawal issued by Central Ground Water Authority Ministry of Water Resources, RD & GR Government of India; Point no. VI of Para 2.7, it is mention on page no 13. That "VI. Mandatory clause on rain water harvesting may be relaxed in case of water logged/shallow water level (< 5 m bgl during post monsoon or as per state policy) areas."</p> <p>As mentioned above it is not permissible/advisable to develop ground water recharge structure in case ground water level is less than 5 m.</p> |

| Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II. | | |
|--|--|---|
| Sr. No. | Specific Conditions | Compliance |
| P2(xv), P1(xv) | No land reclamation should be carried out for this project. | Complied. Project (Phase I & II) has been developed within existing land without any reclamation. |
| P2(xvi) ,P1(xvi) | Green buffer zone should be provided all around the project area in consultation with local forest department and report submitted to this Ministry's Regional Office at Bhopal. | Being Complied Considering the expansion plan, green belt is being developed on periphery of the project boundary. So far 23.54 Ha of green belt is developed which mainly includes <i>casuarina</i> , <i>wasigtonia palm</i> , <i>cassia samiea</i> , <i>peltorum</i> , <i>delonix regia</i> , <i>ficus sps</i> . Details of green belt area are enclosed as Annexure – 4 . |
| P2(xvii) ,P1(xiv) | The facilities to be constructed in the CRZ area as part of this project should be strictly in conformity with the provisions of the CRZ Notification, 1991 as amended subsequently. | Complied. Construction of the project (Phase I & II) was completed in February 2011 and same is in conformity with the provisions of the CRZ Notification 1991. |
| P2(xviii), P1(xvii) | No product other than those permissible in the Coastal Regulation Zone Notification, 1991 should be stored in the Coastal Regulation Zone area. | Complied. APDPPL is handling only dry cargo mainly coal and other bulk cargos or project cargo at designated storage areas in compliance to the CRZ Notification 1991 and 2011 and as per approval received. |
| P1(iv) | Location of general cargo berth should be taken into considerations with regard to location of LNG terminal | Complied. General cargo berth (Solid Cargo Port Terminal jetty) is approx. 500 m away from the LNG jetty of Petronet LNG Ltd. |
| P1(vii) | The wave tranquility study and the ship maneuvering studies carried out should be taken into account while operating the Port. | Complied. Ship mooring study and wave tranquility studies were carried out to understand the wind wave and swell wave conditions. The recommendations are being regularly followed during port operations. |
| P1(viii) | The project proponent should ensure that during construction and operation of the port there will be no impact on the livelihood of the fisherman. The fisherman should be provided free access to carry out the fishing activity. | Complied. There is no commercial fishing in the area. Free access to the "Pagadiya" fishermen is available. They are continuing with their activities without any impact from project. |
| P1(ix) | All necessary precaution while undertaking construction and operation of the port should be taken keeping in view the bathymetric changes caused due to cyclones. | Complied. Construction (Phase I & II) activities are completed in February, 2011. APDPPL has a well-defined DMP (covering natural disasters including cyclones) and regular mock drills are being conducted. DMP is also reviewed at regular interval. Mock drill is being conducted as per plan. Last Mock drill was conducted on |

| Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II. | | |
|--|--|---|
| Sr. No. | Specific Conditions | Compliance |
| | | 22.09.2022. Last revision in the DMP was done on 01.07.2022 (Rev. 9). |
| General Conditions | | |
| P2(i), P1(i) | Construction of proposed structures shall be undertaken meticulously conforming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification 1991 & its amendments. All the construction designs/drawings relating to the proposed construction activities must have approvals of the concerned state Government Departments/Agencies. | Complied. <ul style="list-style-type: none"> All the development activities are being taken up in accordance with the CRZ notification, 1991 & its subsequent amendments. The approval for the project has been obtained from concern government department that is GMB as per their NOC date 23/02/2006. Necessary approval has been obtained from GIDC for the setting of the project vide letter ref no. GIDC/DM/CG/ANK/87. Approval of GPCB NOC has taken for the project vide letter ref. no. CTE no. 111311 dated 22.02.2021 valid till 07.07.2023. |
| P2(ii), P1(ii) | Adequate provision for infrastructure facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during the construction phase of the project so as to avoid felling of trees/mangroves and pollution of water and the surrounding. | Complied. <p>Construction of the project (Phase I & II) was completed on February 2011. During construction all facilities such as water supply, fuel, sanitation etc. was provided.</p> |
| P2(iii), P1(iii) | The project authorities must make necessary arrangements for disposal of solid waste and for the treatment of effluents by providing a proper wastewater treatment plant outside the CRZ area. The quality of treated effluents, solid wastes and noise level etc. must conform to the standards laid down by the competent authorities including the Central/State Pollution Control Board and the Union Ministry of Environment and Forest under the Environmental (Protection) Act, 1986, whichever are more stringent. | Complied. <ul style="list-style-type: none"> The Project (Phase I & II) activities are not generating any trade effluent. Only domestic effluent is being generated which was treated in the STP outside CRZ area and used for horticulture within the premises. Details regarding STP are given in point number- V (Refer above point) Noise monitoring (Once in a month) is carried out by NABL accredited and MoEFCC approved agency namely M/s Pollucon Laboratories Pvt. Ltd. The noise level confirm to the standard laid down by Gujarat Pollution Control Board. Monthly monitoring of Noise has been carried out from M/s. Pollucon Laboratories. Summary & Copy of Noise level monitoring are enclosed as Annexure – 3G. |

| Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II. | | | | | |
|--|--|--|-----------------------------------|----------------|------------------|
| Sr. No. | Specific Conditions | Compliance | | | |
| | | Sr. No. | Location | Day Time (dBA) | Night Time (dBA) |
| | | 1 | Behind QHSE office | 71.5 | 59.7 |
| | | 2 | Substation 6 | 68.7 | 57.2 |
| | | 3 | Marine Building | 71.7 | 52.4 |
| | | 4 | Substation 7B | 72.4 | 63.6 |
| | | 5 | JS 1 (Lakhigam) | 73.5 | 62.2 |
| | | 6 | Lakhi Village | 70.3 | 56.2 |
| | | 7 | ERMS workshop | 69.3 | 54.8 |
| | | 8 | Jetty (Rock Bond Approach) | 70.9 | 61.2 |
| | | 9 | Open Storage Yard 1 | 71.7 | 63.5 |
| | | 10 | Lakhi Village (Nr. Conveyor Belt) | 69.5 | 63.1 |
| P2(iv), P1(iv) | The proponent shall obtain the requisite consents for discharge of effluents and emission under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 from the Gujarat State Pollution Control Board before commissioning of the project and a copy of each of these shall be sent to this Ministry. | Complied. APDPPL has obtained renewal of CC&A under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981 from the Gujarat State Pollution Control Board vide No. AWH 109820 dated: 19.10.2020 and CCA amendment Letter no AWH 116434 dated 09.03 .2022 which is valid up to 16.07.2025. Copy of the same is attached with Annexure 5 . | | | |
| P2(v), P1(v) | The proponent shall provide for a regular monitoring mechanism so as to ensure that the treated effluents conform to the prescribed standards. The record of analysis reports must be properly maintained and made available for inspection to the concerned State/Central officials during their visits. | Complied. <ul style="list-style-type: none"> No industrial effluent is generated from the port as no industrial process is carried out. Domestic effluent is being treated in STPs. Details regarding the same are given above in point number V (Refer above) The monitoring results of the treated wastewater from STP for the period from April 2022 to September 2022 are enclosed as Annexure – 3F. Reports are available at site for the inspection and APDPPL regularly submits report to GPCB. | | | |
| P2(vi), P1(vi) | In order to carry out the environmental monitoring during the operational phase of the project, the project authorities should provide an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry | Complied. Ambient Air quality monitoring (twice in a week) and Noise level (once in a month) monitoring are being carried out by M/s Pollucon Laboratories, a NABL accredited and MoEF & CC recognised laboratory. | | | |

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

| Sr. No. | Specific Conditions | Compliance | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--------------------|---|--|-------------------|-----------------|------------------|-------------------|-----------------|-----------------|---|-----------------|-------|-------|-------|-------|---|-------|-------|-------|-------|-------|---|----------------|-------|-------|-------|-------|---|----------------|-------|-------|-------|-------|---|----------|-------|-------|-------|-------|---|------------------|-------|-------|-------|-------|
| | out the testing of various environmental parameters. | <p>The monitoring results for the period from April 2022 to September 2022 are enclosed as Annexure – 3A to 3H. Summary of Ambient Air Monitoring Report is given below:</p> <table><tr><th>Sr. No.</th><th>Location</th><th>PM₁₀</th><th>PM_{2.5}</th><th>SO₂</th><th>NO_x</th></tr><tr><td>1</td><td>Marine Building</td><td>91.45</td><td>50.34</td><td>26.12</td><td>30.73</td></tr><tr><td>2</td><td>SS 7B</td><td>80.68</td><td>42.45</td><td>20.18</td><td>33.45</td></tr><tr><td>3</td><td>Nr. PMC office</td><td>76.82</td><td>39.63</td><td>23.37</td><td>38.47</td></tr><tr><td>4</td><td>Nr. GCPTL Gate</td><td>71.67</td><td>43.67</td><td>20.58</td><td>34.56</td></tr><tr><td>5</td><td>Nr. JS 2</td><td>85.46</td><td>47.05</td><td>24.66</td><td>40.23</td></tr><tr><td>6</td><td>Silo Porta Cabin</td><td>72.41</td><td>40.25</td><td>17.65</td><td>36.39</td></tr></table> | Sr. No. | Location | PM ₁₀ | PM _{2.5} | SO ₂ | NO _x | 1 | Marine Building | 91.45 | 50.34 | 26.12 | 30.73 | 2 | SS 7B | 80.68 | 42.45 | 20.18 | 33.45 | 3 | Nr. PMC office | 76.82 | 39.63 | 23.37 | 38.47 | 4 | Nr. GCPTL Gate | 71.67 | 43.67 | 20.58 | 34.56 | 5 | Nr. JS 2 | 85.46 | 47.05 | 24.66 | 40.23 | 6 | Silo Porta Cabin | 72.41 | 40.25 | 17.65 | 36.39 |
| Sr. No. | Location | PM ₁₀ | PM _{2.5} | SO ₂ | NO _x | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Marine Building | 91.45 | 50.34 | 26.12 | 30.73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | SS 7B | 80.68 | 42.45 | 20.18 | 33.45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Nr. PMC office | 76.82 | 39.63 | 23.37 | 38.47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Nr. GCPTL Gate | 71.67 | 43.67 | 20.58 | 34.56 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | Nr. JS 2 | 85.46 | 47.05 | 24.66 | 40.23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | Silo Porta Cabin | 72.41 | 40.25 | 17.65 | 36.39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(vii), P1(vii) | The sand dunes and mangroves, if any on the site should not be disturbed in any way. | Complied. <ul style="list-style-type: none">There are no sand dunes in project area.Free flow to the mangroves near the jetty approach is maintained. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(viii), P1(viii) | A copy of the clearance letter will be marked to the concern Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal. | Complied. Copy of the letter submitted to local panchayat was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I&II) dated 28.11.2017. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(ix), P1(ix) | The Gujarat State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries Centre, and Collector's Office/Tehsildar's Office for 30 days. | This condition does not belong to the project proponent. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(x), P1(x) | The fund earmarked for environment protection measures should be maintained in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bhopal and the State Pollution Control Board. | Complied. Separate budget is allocated for Environmental Management. Key components of environment budget are Environmental Monitoring, waste monitoring, STP (Operations and Maintenance), Dust Suppression and Closed Conveyor System Maintenance etc. The allocation of revenue budget for Environment Cell for the FY 2022-23 was approx. Rs. 235 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as Annexure –6 . | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II. | | |
|---|---|--|
| Sr. No. | Specific Conditions | Compliance |
| P2(xi), P1(xi) | Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities. | Complying with. <ul style="list-style-type: none"> Whenever any authorities from MoEF&CC, GPCB and GMB etc. visit APDPPL, full support is extended and APDPPL provides all additional information sought by them during the inspection. No officer of MoEF&CC, regional office and CPCB visited the port during the compliance period. Last visit of Gujarat Pollution Control Board during the compliance period was on 27.06.2022. |
| P2(xii), P1(xii) | In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection. | Noted. There is no change in the Phase I & II development. |
| P2(xiii), P1(xiii) | This Ministry reserves the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of the Ministry. | Noted & agreed. |
| P2(xiv), P1(xiv) | This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with. | Noted & agreed. |
| P2(xv), P1(xv) | The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at Website of the Ministry of Environment & Forest at http://www.envfornic.in . The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bhopal. | Complied. <ul style="list-style-type: none"> Advertisement of phase 1 approval was published in Gujarati language in "Sandesh" newspaper dated 01/09/2007 and in English language in "GUJARAT SAMACHAR" newspaper dated 11.9.2007. Advertisement of phase 2 approval was published in Gujarati language in "Divya Bhaskar" newspaper and in English language in "The Times of India" dated 19/11/2008. Copies of the advertisements were submitted to MoEF&CC vide compliance report dated 27/11/2013. |
| P2(xvi), P1(xvi) | The Project proponents should inform the Regional Office at Bhopal as well as the | Complied. |

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

| Sr. No. | Specific Conditions | Compliance |
|----------|--|---|
| | Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of Land Development Work. | <ul style="list-style-type: none"> • Financial closure date of Project was 31st July 2007. • Existing Facility – construction started date July 2007. • Land development work for phase II started in Jan. 2009. • The permission to construct of Solid Cargo Beth at Dahej port has been obtained from GMB vide letter dated 23 Feb 2006 bearing no GMB/N/PVT/264(10)/1910/11201. |
| P2(xvii) | Any appeal against this environment clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Appellate Act, 1997 | Noted. |

| | | |
|---|---|---|
|  | ADANI PETRONET (DAHEJ) PORT PVT LTD. | From: April 2022 To : Sept. 2022 |
|---|---|---|

Appendix - 1

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

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

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

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

| Sr. no. | Conditions | Status/Action taken |
|-------------------|--|--|
| | Government of Gujarat and shall have to take all necessary actions as may be desired by the Government, from time to time. | |
| P2(5), P1(10) | No dredging and/or reclamation activity shall be carried out in the CRZ area categorized as CRZ I (i) and it shall have to be ensured that the mangrove habitats and other ecologically important and significant areas are not affected due to any of the project activities. | Complied. <ul style="list-style-type: none"> No dredging/reclamation have been done in CRZ I (i). There is no wildlife sanctuary, national park in the vicinity of the project. |
| P2(6), P1(11) | No effluent or sewage shall be discharged into the sea / creek or in the CRZ area and shall be treated to conform to the norms prescribed by the Gujarat Pollution Control Board and would be reused / recycled within the plant premises to the extract possible. | Complied. <ul style="list-style-type: none"> No industrial effluent is generated from the port as no industrial process is carried out. Domestic effluent is being treated in STPs. The treated water confirming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from April 2022 to September 2022 are enclosed as Annexure – 3F. Reports are available at site for the inspection and APDPPL regularly submits report to GPCB. |
| P2(7), P1(12) | All the recommendations and suggestions given by the NIO in the Comprehensive Environment Impact Assessment report for conservation / protection and betterment of environment shall be implemented strictly by the APPPL. | Being Complied. A Separate EIA has been prepared for phase III development, which includes EMP for the current scenario. All the recommendations and suggestions given by M/s Cholamandalam in the EMP are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 7 . |
| P2(8), P1(13) | The construction and operational activities shall be carried out in such a way that there is no negative impact on mangroves and other coastal/marine habitat. The construction activities shall be carried out only under the constant supervision of the NIO. | Complied. <ul style="list-style-type: none"> Construction (Phase I & II) of the project was completed on February 2011. Free flow to the mangroves near the jetty approach is maintained. |
| P2(9), P1(14) | The APPL shall strictly ensure that no creeks are blocked due to any activity at port and the mangroves habitat are neither disturbed nor destroyed due to any activity. | Complied. <ul style="list-style-type: none"> No creeks are blocked due to port activity. Free flow to the mangroves near the jetty approach is maintained. |
| P2(10), P1(15) | The APPL shall participate financially for any common facility that may be established or any | Noted and agreed to comply. APDPPL is committed for participate financially for any common facility being established or any common study |

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

| Sr. no. | Conditions | Status/Action taken |
|-------------------|---|--|
| | common study that may be carried out for the Gulf of Khambhat region for environmental protection and/or management purpose. | carried out in Gulf of Khambhat region for the environment protection and management purpose. |
| P2(11), P1(16) | The construction debris and/or any other type of waste shall not be disposed into the sea, creek or in the CRZ areas. The debris shall be removed from the construction site immediately after the construction is over. | Complied. Construction of the project was completed on February 2011. |
| P2(12), P1(17) | The construction camps shall be located outside the CRZ area and the construction labour shall be provided the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labours. | Complied. <ul style="list-style-type: none"> Construction of the project was completed on February 2011. No labour camps were located in Coastal Regulation Zone area. Labours are managed through contractors and they are from surrounding villages and have been provided residential facilities in the surrounding villages. |
| P2(13), P1(18) | The APPPL shall prepare and regularly update their Local Oil Spill Contingency and Disaster Management Plan in consonance with the National Oil Spill and Disaster Contingency plan and shall submit the same to this Department after having it vetted through the India Coast Guard. | Complied <ul style="list-style-type: none"> Oil Spill Contingency plan is prepared and resubmitted Tier 1OSR Facility Dahej port Terminals on dated 15.09.2022. 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 & Coast Guard, Gandhinagar vide letter dated 16/09/2020 Oil Spill Contingency plan is prepared and resubmitted to The chairman, NOS-DCP, Central Coordinating authority, Cost Guard Headquarters, National stadium Complex, New Delhi & Coast Guard, Gandhinagar for verification vide letter dated 27.07.2018. Oil Spill Contingency Plan is submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012. 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 22.09.2022. Last revision in the DMP was done on 01.07.2022. |

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

| Sr. no. | Conditions | Status/Action taken |
|---------------|---|---|
| P2(14),P1(19) | The APPPL shall bear the cost of the external agency that may be appointed by this Department for supervision/monitoring of proposed activities and the environmental impacts of the proposed activities. | Noted and agreed to comply. |
| P2 (15) | The mangrove plantation in 50 ha. of area on Gujarat cost line shall be carried out by the applicant in a phased manner in five years | Complied. Mangrove afforestation has been carried out in an area of 450 ha. Details are given below. <ol style="list-style-type: none"> 1. 100 ha near village Dandi, Dist Surat– 2011 2. 50 ha near village Jakhau, Dist Kutch – 2011 3. 50 ha near Padri bit, Dist Bhavnagar – 2011 4. 200 ha near Malpur, Ta. Jambusar – 2013-14 5. 50 ha Devjagan/Nada Ta. Jambusar – 2017 – 18 (Done as part of compliance to Phase – III EC & CRZ Clearance conditions) Reports of 400 Ha Mangrove afforestation were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017 and Report of 50 ha. Mangrove afforestation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 29/05/2019. |
| P2 (16) | The construction activities in the Forest land and the Gauchar land shall be carried out as per the permission accorded by the concerned Authority for the said purpose | Complied. Construction of the project was completed in February 2011 in compliance to the approvals. |
| P1(3) | The APPPL shall take up massive mangrove plantation in 200 ha of area in and around the project site or at an alternative site to be selected in consultation with this Department. | Complied. Mangrove afforestation has been carried out in an area of 450 ha. Details are given below. <ol style="list-style-type: none"> 1. 100 ha near village Dandi, Dist Surat– 2011 2. 50 ha near village Jakhau, Dist Kutch – 2011 3. 50 ha near Padri bit, Dist Bhavnagar – 2011 4. 200 ha near Malpur, Ta. Jambusar – 2013-14 5. 50 ha Devjagan/Nada |

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

| Sr. no. | Conditions | Status/Action taken |
|---------|---|---|
| | | <p>Ta. Jambusar – 2017 – 18 (Done as part of compliance to Phase – III EC & CRZ Clearance conditions)</p> <p>Reports of 400 Ha Mangrove afforestation were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017 and Report of 50 ha. Mangrove afforestation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 29/05/2019.</p> |
| P1(4) | The approach road and trestle passing through the forestland shall be constructed only after obtaining necessary permissions under the relevant forest laws including the forest (Conservation) Act. further, no activity shall be carried out in the forestland or in the area having natural plantation / forest till all mandatory clearances under various Forest Acts including the Forests Conservation Act obtained. | <p>Complied.</p> <ul style="list-style-type: none"> All the activities on forest land have been started only after obtaining forest land clearance. Clarence from MOEF was obtained vide letter no 6-GJC060/2006-BHO/1508 dated 16th June 2008. The same was communicated by State Forest Department vide letter no A-1006(10-9) SF-76-K dated 1st July 2008 from DOEF. |
| P1(6) | The project proponent shall have to make a separate application and shall have to obtain prior clearance under the CRZ Notification for any activities other than those proposed and got approved as part of this phase I activities. | <p>Complied.</p> <p>APDPPL had obtained Environmental & CRZ Clearance on Nov 11, 2008 for phase 2 vide letter no.11-37/2007-IA.III.</p> |
| P1(8) | The project proponents shall ensure that the local people shall be provided with an alternative access to the sea in case the existing access to Rock-Bund could not be made available to them. | <p>Complied.</p> <p>Alternative access to the sea is available adjoining to the project site.</p> |
| P1(9) | The project proponents shall ensure that the construction period shall be reduced by proper planning and executing the construction program in time-bound manner to avoid any time over-run. | <p>Complied.</p> <p>Construction of the project was completed in February 2011.</p> |

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

| Sr. no. | Conditions | Status/Action taken |
|---------------|--|--|
| P1(20) | The jetty and most of the approach would be supported on piles allowing adequate flow of water without significant obstruction. | Complied. The jetty and most of the approach of 1270 meter is supported on piles allowing adequate flow of water without significant obstruction. |
| | General Conditions | |
| P2(17),P1(21) | The groundwater shall not be tapped by the APPPL to meet with the water requirements in any case. | Complied. Ground water is not tapped for the project. Water requirement is being met through GIDC water supply. Two Piezometers have been installed at different locations inside port. Regular monitoring of ground water level & quality is being done through NABL accredited & MoEF&CC recognized laboratory M/s Pollucon Laboratories, Surat. Results are attached in Annexure 3B . |
| P2(18),P1(22) | The APPL shall take up massive green belt development activities in consultation with the Gujarat Institute of Desert Ecology/Forest Department. A comprehensive plan for this purpose has to be submitted to the Forests and Environment Department. | Complying with. Green belt is being developed in an area of 23.54 ha including periphery of the project boundary. Details of the green development is enclosed is Annexure – 4 . |
| P2(19),P1(23) | The APPPL shall have to be contributing financially for taking up the socio-economic up-liftment activities in this region in consultation with the Forests and Environment Department and the District Collector/District Development Officer. | Complied. The CSR activities are executed by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same are enclosed as Annexure – 8 . |
| P2(20),P1(24) | A separate budget shall be earmarked for environmental management and socio – economic activities and details thereof shall be furnished to this department as well as the MoEF, GOI. The details with respect to the expenditure from this budget head shall also be furnished. | Complied. Separate budget is allocated for Environmental Management and Socio-Economic activities. <ul style="list-style-type: none"> • Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of budget for Environment Cell for the FY 2022-23 was approx. Rs. 235 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as Annexure –6. • Socio Economic activities are taken up in the areas of Education, Community Health and Sustainable livelihood development, Rural Infrastructure development etc. Details are enclosed as Annexure – 8. Annual Budget of CSR for FY 2022-23 is 387.68 lacs. |

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

| Sr. no. | Conditions | Status/Action taken | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|--|--|-------|-------------------|--------------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|------------------|------------|---|--------------------|------------|---|-----------------------|------------|----|------------------|------------|
| P2(21),P1(25) | A separate environmental management cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project. | Complied. 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 Annexure – 9 . | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(22),P1(26) | Environmental Audit report indicating the changes, if any, with respect to the baseline environmental quality in the coastal and marine environment shall be submitted every year by the APPPL to this Department as well as to the MoEF, GOI. | Complied. Seawater and sediment is being monitored monthly by NABL accredited & MoEF&CC recognized laboratory M/s Pollucon Laboratories, Surat. Monitoring Report for the period April 2022 to September 2022 is enclosed in Annexure 3C & 3D . No significant changes observed. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(23),P1(28) | A six monthly report on compliance of the condition mentioned in this letter shall have to be furnished by the APPL on regular basis to this Department. | Being Complied <ul style="list-style-type: none"> APDPPL is regularly submitting six monthly compliance reports which comprises of Compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports. Last compliance report was submitted vide letter no. APPPL-EHS/MOEF RO/EC Comp (I&II) dated 29.11.2021 in soft copy via mail dated 29.11.2021. It is also uploaded in our website: www.adaniports.com Please refer below for the details regarding past 10 compliance submissions. <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>25.05.2021</td></tr> <tr><td>9</td><td>April '21 to Sep. '21</td><td>29.11.2021</td></tr> <tr><td>10</td><td>Oct'21 to Mar'22</td><td>27.05.2022</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 | 25.05.2021 | 9 | April '21 to Sep. '21 | 29.11.2021 | 10 | Oct'21 to Mar'22 | 27.05.2022 |
| 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 | 25.05.2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | April '21 to Sep. '21 | 29.11.2021 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | Oct'21 to Mar'22 | 27.05.2022 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P2(24),P1(29) | Any other condition that may be stipulated by this Department from time to time for environmental protection/management purpose shall also have to be complied by the APPL. | Noted and agreed to comply with any other condition that may be stipulated by this Department / Ministry of Environment, Forest and Climate Change, Government of India from time to time for environmental protection. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P1(27) | The APPPL shall have to contribute financially to support the National Green Corps scheme | Complied. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Annexure – 1:

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

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

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

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

| Fire Fighting Systems | Details |
|--|-------------------|
| Fire Hydrant | 136 Nos. |
| Fire Monitor | 65 Nos. |
| Risers | 17 Nos. |
| Total Fire Extinguisher | 465 Nos. |
| Smoke Detector | 325 Nos. |
| Fire Bucket | 89 Nos. |
| Emergency Siren | 06 Nos. |
| Port Water Reservoir Pump House | 5040 KL |
| Silo Water Reservoir Pump House | 4700 KL (AG + UG) |
| Fire Vehicles Detail | |
| Multi-Purpose Fire Tender – Water & Foam | 10 KL & 1.5 |
| Dry Chemical Powder @ 50 Kgs. (MFT) | 2 Nos. |
| CO ₂ @ 4.5 Kgs. (MFT) | 2 Nos. |
| Fire Tender (01 No.) | 12 KL |
| Fire Water Bowser (01 No.) | 7.5 KL |
| Trailer Pump (01 No.) | 1800 LPM |



Environment Monitoring Report for the period from April-22 To September-22

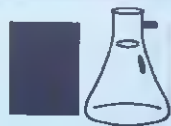
3A. AMBIENT AIR QUALITY MONITORING: -

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

| Sr. No. | Date of Sampling | Location-1: Near Marine Building | | | | | | | | | | | |
|---------|------------------|----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| | | PM ₁₀ | PM _{2.5} | Pb | BaP | As | Ni | CO | C ₆ H ₆ | NH ₃ | SO ₂ | NO _x | O ₃ |
| | | µg/m ³ | µg/m ³ | µg/m ³ | ng/m ³ | ng/m ³ | ng/m ³ | mg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ |
| 1 | 01/04/2022 | 78.62 | 40.31 | ND* | ND* | ND* | ND* | 0.34 | ND* | 31.51 | 21.59 | 41.75 | 27.27 |
| 2 | 05/04/2022 | 88.12 | 48.20 | 0.64 | ND* | 2.46 | 10.67 | 0.48 | ND* | 43.12 | 26.12 | 44.87 | 22.25 |
| 3 | 08/04/2022 | 72.58 | 39.44 | ND* | ND* | ND* | ND* | 0.77 | ND* | 40.53 | 18.35 | 35.23 | 30.73 |
| 4 | 12/04/2022 | 85.66 | 49.53 | ND* | ND* | ND* | ND* | 1.00 | ND* | 47.52 | 22.45 | 38.57 | 23.46 |
| 5 | 15/04/2022 | 90.55 | 52.45 | 0.76 | ND* | 2.28 | 10.77 | 0.79 | ND* | 42.57 | 24.65 | 45.32 | 25.35 |
| 6 | 19/04/2022 | 71.51 | 36.82 | ND* | ND* | ND* | ND* | 0.87 | ND* | 45.31 | 20.65 | 40.38 | 21.26 |
| 7 | 22/04/2022 | 82.48 | 45.67 | ND* | ND* | ND* | ND* | 0.66 | ND* | 48.45 | 23.36 | 33.58 | 26.56 |
| 8 | 26/04/2022 | 87.57 | 50.25 | 0.62 | ND* | 2.34 | 10.46 | 0.42 | ND* | 35.98 | 19.33 | 46.30 | 28.45 |
| 9 | 29/04/2022 | 79.58 | 47.61 | ND* | ND* | ND* | ND* | 0.47 | ND* | 25.58 | 14.47 | 36.53 | 24.27 |
| 10 | 03/05/2022 | 85.68 | 48.92 | 0.80 | ND* | 2.46 | 10.49 | 0.93 | ND* | 45.33 | 23.53 | 40.22 | 25.32 |
| 11 | 06/05/2022 | 78.67 | 45.28 | ND* | ND* | ND* | ND* | 0.86 | ND* | 28.24 | 25.69 | 45.77 | 20.96 |
| 12 | 10/05/2022 | 73.54 | 34.76 | ND* | ND* | ND* | ND* | 0.80 | ND* | 34.23 | 22.09 | 37.65 | 23.42 |
| 13 | 13/05/2022 | 79.88 | 42.84 | ND* | ND* | ND* | ND* | 0.78 | ND* | 36.85 | 19.36 | 43.43 | 21.56 |
| 14 | 17/05/2022 | 69.33 | 30.23 | ND* | ND* | ND* | ND* | 0.90 | ND* | 44.03 | 16.79 | 35.44 | 24.66 |
| 15 | 20/05/2022 | 91.45 | 50.34 | 0.68 | ND* | 2.62 | 10.31 | 0.66 | ND* | 30.54 | 24.27 | 38.54 | 30.83 |
| 16 | 24/05/2022 | 76.84 | 46.37 | ND* | ND* | ND* | ND* | 0.87 | ND* | 37.66 | 21.55 | 44.54 | 28.47 |
| 17 | 27/05/2022 | 88.68 | 52.20 | 0.64 | ND* | 2.28 | 10.55 | 0.56 | ND* | 52.65 | 14.29 | 30.69 | 26.34 |
| 18 | 31/05/2022 | 82.08 | 43.30 | ND* | ND* | ND* | ND* | 0.85 | ND* | 46.53 | 17.55 | 33.97 | 29.44 |
| 19 | 03/06/2022 | 70.30 | 38.46 | ND* | ND* | ND* | ND* | 0.87 | ND* | 27.63 | 19.86 | 43.44 | 28.33 |
| 20 | 07/06/2022 | 75.62 | 34.51 | ND* | ND* | ND* | ND* | 0.90 | ND* | 32.78 | 17.40 | 35.66 | 30.23 |
| 21 | 10/06/2022 | 90.21 | 51.24 | 0.56 | ND* | 2.32 | 10.62 | 0.69 | ND* | 42.62 | 25.63 | 42.66 | 22.32 |
| 22 | 14/06/2022 | 81.25 | 45.32 | ND* | ND* | ND* | ND* | 0.95 | ND* | 46.53 | 27.81 | 45.69 | 20.94 |
| 23 | 17/06/2022 | 88.52 | 53.44 | 0.69 | ND* | 2.46 | 10.69 | 0.85 | ND* | 31.96 | 23.65 | 41.20 | 32.63 |
| 24 | 21/06/2022 | 79.67 | 48.52 | 0.57 | ND* | 2.56 | 10.57 | 0.37 | ND* | 36.82 | 21.24 | 37.22 | 29.15 |
| 25 | 24/06/2022 | 69.57 | 37.11 | ND* | ND* | ND* | ND* | 0.78 | ND* | 43.56 | 16.52 | 34.62 | 23.45 |

Authorized Signatory



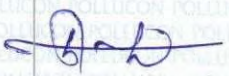


POLLUCON LABORATORIES PVT. LTD.

| | | | | | | | | | | | | | |
|----|------------|-------|-------|------|-----|------|-------|------|-----|-------|-------|-------|-------|
| 26 | 28/06/2022 | 78.62 | 46.24 | 0.76 | ND* | 2.08 | 10.40 | 0.66 | ND* | 30.82 | 26.28 | 38.43 | 25.33 |
| 27 | 01/07/2022 | 78.43 | 45.70 | ND* | ND* | ND* | ND* | 1.08 | ND* | 20.82 | 20.89 | 44.59 | 30.14 |
| 28 | 05/07/2022 | 86.28 | 44.91 | 0.72 | ND* | 2.56 | 10.49 | 0.61 | ND* | 26.11 | 18.55 | 40.21 | 17.57 |
| 29 | 08/07/2022 | 67.38 | 32.18 | ND* | ND* | ND* | ND* | 0.97 | ND* | 40.16 | 21.31 | 34.34 | 25.49 |
| 30 | 12/07/2022 | 72.78 | 37.19 | ND* | ND* | ND* | ND* | 0.66 | ND* | 42.27 | 24.54 | 37.81 | 28.34 |
| 31 | 15/07/2022 | 82.62 | 42.58 | 0.64 | ND* | 2.38 | 10.57 | 0.53 | ND* | 37.66 | 17.84 | 43.58 | 23.46 |
| 32 | 19/07/2022 | 76.81 | 36.61 | ND* | ND* | ND* | ND* | 0.80 | ND* | 22.62 | 22.22 | 39.25 | 22.81 |
| 33 | 22/07/2022 | 68.60 | 34.69 | ND* | ND* | ND* | ND* | 0.32 | ND* | 35.83 | 25.16 | 35.24 | 26.25 |
| 34 | 26/07/2022 | 61.52 | 28.43 | ND* | ND* | ND* | ND* | 0.34 | ND* | 32.77 | 19.54 | 28.47 | 24.31 |
| 35 | 29/07/2022 | 77.52 | 41.20 | ND* | ND* | ND* | ND* | 0.55 | ND* | 28.12 | 16.86 | 42.46 | 15.69 |
| 36 | 02/08/2022 | 82.48 | 44.58 | 0.75 | ND* | 2.42 | 10.49 | 0.66 | ND* | 38.56 | 27.17 | 45.33 | 26.53 |
| 37 | 05/08/2022 | 72.66 | 37.21 | ND* | ND* | ND* | ND* | 0.76 | ND* | 30.35 | 16.48 | 38.55 | 29.12 |
| 38 | 09/08/2022 | 78.64 | 45.30 | ND* | ND* | ND* | ND* | 0.85 | ND* | 28.73 | 20.30 | 29.37 | 23.56 |
| 39 | 12/08/2022 | 85.61 | 48.63 | 0.80 | ND* | 2.75 | 10.69 | 0.81 | ND* | 44.47 | 21.48 | 41.52 | 25.89 |
| 40 | 16/08/2022 | 62.43 | 39.52 | ND* | ND* | ND* | ND* | 0.70 | ND* | 24.22 | 19.29 | 31.45 | 22.64 |
| 41 | 19/08/2022 | 75.64 | 35.44 | ND* | ND* | ND* | ND* | 0.61 | ND* | 37.58 | 26.14 | 36.16 | 18.56 |
| 42 | 23/08/2022 | 79.57 | 43.55 | 0.65 | ND* | 2.54 | 10.46 | 1.02 | ND* | 41.83 | 17.50 | 42.61 | 28.42 |
| 43 | 26/08/2022 | 65.93 | 40.50 | ND* | ND* | ND* | ND* | 0.95 | ND* | 35.18 | 22.47 | 35.88 | 30.22 |
| 44 | 30/08/2022 | 76.57 | 46.51 | ND* | ND* | ND* | ND* | 1.05 | ND* | 51.21 | 14.46 | 28.25 | 19.23 |
| 45 | 02/09/2022 | 77.55 | 41.24 | 0.62 | ND* | 2.24 | 10.43 | 0.72 | ND* | 41.53 | 19.31 | 32.47 | 23.24 |
| 46 | 06/09/2022 | 71.57 | 36.50 | ND* | ND* | ND* | ND* | 0.81 | ND* | 28.41 | 21.48 | 35.27 | 25.32 |
| 47 | 09/09/2022 | 66.32 | 34.25 | ND* | ND* | ND* | ND* | 1.03 | ND* | 37.76 | 25.67 | 43.13 | 28.39 |
| 48 | 13/09/2022 | 86.21 | 49.23 | 0.68 | ND* | 2.38 | 10.60 | 0.57 | ND* | 33.68 | 15.35 | 40.57 | 22.23 |
| 49 | 16/09/2022 | 75.62 | 38.56 | ND* | ND* | ND* | ND* | 0.48 | ND* | 27.26 | 24.39 | 44.20 | 29.45 |
| 50 | 20/09/2022 | 68.65 | 40.66 | ND* | ND* | ND* | ND* | 0.78 | ND* | 25.07 | 17.62 | 38.40 | 15.21 |
| 51 | 23/09/2022 | 81.26 | 44.27 | 0.59 | ND* | 2.15 | 10.37 | 0.98 | ND* | 31.52 | 20.67 | 36.55 | 30.27 |
| 52 | 27/09/2022 | 73.55 | 35.19 | ND* | ND* | ND* | ND* | 1.07 | ND* | 23.68 | 23.21 | 45.31 | 20.37 |
| 53 | 30/09/2022 | 80.27 | 45.36 | ND* | ND* | ND* | ND* | 0.40 | ND* | 35.68 | 13.61 | 39.57 | 27.86 |

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 C_6H_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: $5\text{ ng}/\text{m}^3$


Authorized Signatory



● FSSAI Approved Lab

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

● GPCB approved
schedule II auditor

● ISO 14001

● ISO 45001

● ISO 9001

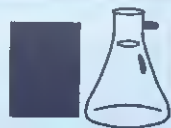
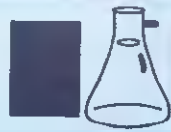


Table No.: 1.2 - Ambient Air Quality Monitoring Results At Near PMC Building

| Sr. No. | Date of Sampling | Location-2: Near PMC Building | | | | | | | | | | | |
|---------|------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| | | PM ₁₀ | PM _{2.5} | Pb | BaP | As | Ni | CO | C ₆ H ₆ | NH ₃ | SO ₂ | NO _x | O ₃ |
| | | µg/m ³ | µg/m ³ | µg/m ³ | ng/m ³ | ng/m ³ | ng/m ³ | mg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ |
| 1 | 01/04/2022 | 64.38 | 32.47 | ND* | ND* | ND* | ND* | 0.40 | ND* | 22.88 | 10.19 | 38.47 | 25.46 |
| 2 | 05/04/2022 | 71.57 | 38.43 | ND* | ND* | ND* | ND* | 0.68 | ND* | 29.12 | 17.70 | 29.23 | 14.43 |
| 3 | 08/04/2022 | 58.26 | 27.52 | ND* | ND* | ND* | ND* | 0.90 | ND* | 33.13 | 15.52 | 32.39 | 18.33 |
| 4 | 12/04/2022 | 51.51 | 24.84 | ND* | ND* | ND* | ND* | 0.64 | ND* | 19.22 | 20.56 | 35.40 | 22.68 |
| 5 | 15/04/2022 | 76.56 | 44.37 | ND* | ND* | ND* | ND* | 0.50 | ND* | 32.51 | 18.46 | 31.29 | 17.56 |
| 6 | 19/04/2022 | 67.57 | 29.41 | ND* | ND* | ND* | ND* | 0.97 | ND* | 21.68 | 11.63 | 28.52 | 19.63 |
| 7 | 22/04/2022 | 77.55 | 34.88 | ND* | ND* | ND* | ND* | 0.39 | ND* | 42.43 | 13.40 | 25.44 | 24.32 |
| 8 | 26/04/2022 | 65.34 | 28.68 | ND* | ND* | ND* | ND* | 0.19 | ND* | 26.56 | 16.46 | 37.56 | 13.45 |
| 9 | 29/04/2022 | 57.64 | 30.22 | ND* | ND* | ND* | ND* | 0.13 | ND* | 17.34 | 6.22 | 30.47 | 23.72 |
| 10 | 03/05/2022 | 72.77 | 39.31 | ND* | ND* | ND* | ND* | 0.68 | ND* | 18.54 | 16.48 | 28.41 | 17.67 |
| 11 | 06/05/2022 | 67.58 | 36.52 | ND* | ND* | ND* | ND* | 0.41 | ND* | 20.67 | 20.82 | 33.43 | 13.54 |
| 12 | 10/05/2022 | 51.58 | 24.21 | ND* | ND* | ND* | ND* | 0.47 | ND* | 28.17 | 12.57 | 25.34 | 19.27 |
| 13 | 13/05/2022 | 66.14 | 38.57 | ND* | ND* | ND* | ND* | 0.36 | ND* | 25.35 | 18.83 | 36.42 | 30.36 |
| 14 | 17/05/2022 | 53.83 | 20.98 | ND* | ND* | ND* | ND* | 0.38 | ND* | 29.92 | 11.27 | 19.45 | 23.54 |
| 15 | 20/05/2022 | 70.24 | 35.62 | ND* | ND* | ND* | ND* | 0.34 | ND* | 13.22 | 9.60 | 22.37 | 25.72 |
| 16 | 24/05/2022 | 65.75 | 27.47 | ND* | ND* | ND* | ND* | 0.55 | ND* | 23.42 | 14.24 | 34.22 | 16.32 |
| 17 | 27/05/2022 | 78.84 | 33.75 | ND* | ND* | ND* | ND* | 0.27 | ND* | 46.77 | 10.38 | 27.72 | 11.35 |
| 18 | 31/05/2022 | 48.23 | 17.38 | ND* | ND* | ND* | ND* | 0.37 | ND* | 36.26 | 15.62 | 24.43 | 24.83 |
| 19 | 03/06/2022 | 47.26 | 19.53 | ND* | ND* | ND* | ND* | 0.19 | ND* | 19.21 | 11.07 | 32.44 | 11.25 |
| 20 | 07/06/2022 | 52.62 | 25.67 | ND* | ND* | ND* | ND* | 0.25 | ND* | 13.91 | 6.83 | 19.34 | 16.77 |
| 21 | 10/06/2022 | 61.73 | 34.02 | ND* | ND* | ND* | ND* | 0.33 | ND* | 32.56 | 21.73 | 39.52 | 14.23 |
| 22 | 14/06/2022 | 76.82 | 39.63 | ND* | ND* | ND* | ND* | 0.53 | ND* | 35.25 | 23.37 | 37.55 | 27.97 |
| 23 | 17/06/2022 | 62.42 | 35.87 | ND* | ND* | ND* | ND* | 0.71 | ND* | 23.37 | 19.30 | 33.25 | 19.9 |
| 24 | 21/06/2022 | 68.23 | 43.09 | ND* | ND* | ND* | ND* | 0.57 | ND* | 25.41 | 15.60 | 30.42 | 22.67 |
| 25 | 24/06/2022 | 50.24 | 24.33 | ND* | ND* | ND* | ND* | 0.27 | ND* | 33.54 | 12.94 | 20.36 | 28.66 |
| 26 | 28/06/2022 | 63.46 | 36.54 | ND* | ND* | ND* | ND* | 0.50 | ND* | 18.27 | 20.26 | 35.43 | 15.2 |
| 27 | 01/07/2022 | 57.77 | 28.22 | ND* | ND* | ND* | ND* | 0.71 | ND* | 15.36 | 18.40 | 42.36 | 16.47 |
| 28 | 05/07/2022 | 72.63 | 37.31 | ND* | ND* | ND* | ND* | 0.33 | ND* | 21.53 | 16.57 | 24.25 | 19.53 |

Authorized Signatory





POLLUCON LABORATORIES PVT. LTD.

| | | | | | | | | | | | | | |
|----|------------|-------|-------|-----|-----|-----|-----|------|-----|-------|-------|-------|-------|
| 29 | 08/07/2022 | 46.21 | 21.28 | ND* | ND* | ND* | ND* | 0.29 | ND* | 27.56 | 19.21 | 26.51 | 23.57 |
| 30 | 12/07/2022 | 62.45 | 24.29 | ND* | ND* | ND* | ND* | 0.26 | ND* | 36.84 | 12.51 | 32.40 | 25.35 |
| 31 | 15/07/2022 | 77.57 | 39.48 | ND* | ND* | ND* | ND* | 0.58 | ND* | 33.52 | 15.67 | 36.44 | 15.51 |
| 32 | 19/07/2022 | 65.43 | 32.31 | ND* | ND* | ND* | ND* | 0.22 | ND* | 10.88 | 20.24 | 33.57 | 28.17 |
| 33 | 22/07/2022 | 58.46 | 25.70 | ND* | ND* | ND* | ND* | 0.36 | ND* | 18.66 | 17.53 | 25.14 | 12.91 |
| 34 | 26/07/2022 | 52.66 | 23.48 | ND* | ND* | ND* | ND* | 0.73 | ND* | 20.64 | 11.20 | 23.44 | 14.24 |
| 35 | 29/07/2022 | 73.52 | 38.60 | ND* | ND* | ND* | ND* | 0.18 | ND* | 37.97 | 8.68 | 31.51 | 18.41 |
| 36 | 02/08/2022 | 60.52 | 30.29 | ND* | ND* | ND* | ND* | 0.62 | ND* | 16.38 | 22.67 | 40.73 | 13.53 |
| 37 | 05/08/2022 | 67.36 | 24.30 | ND* | ND* | ND* | ND* | 0.42 | ND* | 27.68 | 17.27 | 35.36 | 25.99 |
| 38 | 09/08/2022 | 63.76 | 37.36 | ND* | ND* | ND* | ND* | 0.69 | ND* | 24.95 | 15.64 | 23.62 | 22.36 |
| 39 | 12/08/2022 | 73.23 | 31.59 | ND* | ND* | ND* | ND* | 0.37 | ND* | 32.66 | 10.52 | 26.44 | 20.67 |
| 40 | 16/08/2022 | 57.03 | 34.65 | ND* | ND* | ND* | ND* | 0.44 | ND* | 18.48 | 18.30 | 22.55 | 11.6 |
| 41 | 19/08/2022 | 64.58 | 25.33 | ND* | ND* | ND* | ND* | 0.38 | ND* | 21.94 | 16.34 | 29.45 | 15.36 |
| 42 | 23/08/2022 | 69.74 | 35.62 | ND* | ND* | ND* | ND* | 0.68 | ND* | 20.57 | 14.34 | 38.45 | 10.56 |
| 43 | 26/08/2022 | 45.43 | 18.30 | ND* | ND* | ND* | ND* | 0.26 | ND* | 14.51 | 19.43 | 33.63 | 18.33 |
| 44 | 30/08/2022 | 66.23 | 26.56 | ND* | ND* | ND* | ND* | 0.63 | ND* | 45.81 | 11.44 | 17.52 | 23.45 |
| 45 | 02/09/2022 | 61.17 | 32.43 | ND* | ND* | ND* | ND* | 0.26 | ND* | 31.28 | 14.20 | 19.55 | 18.31 |
| 46 | 06/09/2022 | 47.58 | 20.36 | ND* | ND* | ND* | ND* | 0.65 | ND* | 23.52 | 19.14 | 28.48 | 30.36 |
| 47 | 09/09/2022 | 59.36 | 28.44 | ND* | ND* | ND* | ND* | 0.31 | ND* | 26.38 | 17.40 | 37.27 | 19.52 |
| 48 | 13/09/2022 | 75.25 | 40.57 | ND* | ND* | ND* | ND* | 0.54 | ND* | 19.53 | 9.73 | 24.54 | 16.8 |
| 49 | 16/09/2022 | 64.53 | 30.24 | ND* | ND* | ND* | ND* | 0.21 | ND* | 21.91 | 16.10 | 35.41 | 20.57 |
| 50 | 20/09/2022 | 46.21 | 21.24 | ND* | ND* | ND* | ND* | 0.45 | ND* | 15.62 | 13.14 | 22.25 | 22.37 |
| 51 | 23/09/2022 | 70.55 | 38.46 | ND* | ND* | ND* | ND* | 0.50 | ND* | 13.55 | 11.55 | 32.53 | 28.23 |
| 52 | 27/09/2022 | 63.52 | 31.59 | ND* | ND* | ND* | ND* | 0.38 | ND* | 16.56 | 15.71 | 38.62 | 21.16 |
| 53 | 30/09/2022 | 57.55 | 35.64 | ND* | ND* | ND* | ND* | 0.41 | ND* | 25.35 | 18.31 | 33.58 | 13.75 |

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 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

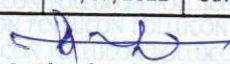
Authorized Signatory



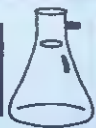


Table No.: 1.3 - Ambient Air Quality Monitoring Results At Sub-Station-7B Building

| Sr. No. | Date of Sampling | Location-3: Sub-Station-7B Building | | | | | | | | | | | |
|---------|------------------|-------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| | | PM ₁₀ | PM _{2.5} | Pb | BaP | As | Ni | CO | C ₆ H ₆ | NH ₃ | SO ₂ | NO _x | O ₃ |
| | | µg/m ³ | µg/m ³ | µg/m ³ | ng/m ³ | ng/m ³ | ng/m ³ | mg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ |
| 1 | 01/04/2022 | 55.63 | 26.46 | ND* | ND* | ND* | ND* | 0.45 | ND* | 12.46 | 16.56 | 19.21 | 11.26 |
| 2 | 05/04/2022 | 76.51 | 35.28 | ND* | ND* | ND* | ND* | 0.71 | ND* | 20.33 | 12.60 | 23.68 | 17.25 |
| 3 | 08/04/2022 | 64.22 | 31.51 | ND* | ND* | ND* | ND* | 0.65 | ND* | 16.52 | 6.84 | 18.25 | 14.65 |
| 4 | 12/04/2022 | 73.46 | 42.45 | ND* | ND* | ND* | ND* | 0.85 | ND* | 24.53 | 9.54 | 14.54 | 20.21 |
| 5 | 15/04/2022 | 67.52 | 30.55 | ND* | ND* | ND* | ND* | 0.56 | ND* | 33.44 | 20.18 | 28.44 | 22.3 |
| 6 | 19/04/2022 | 47.68 | 18.53 | ND* | ND* | ND* | ND* | 0.60 | ND* | 37.54 | 15.20 | 25.73 | 15.35 |
| 7 | 22/04/2022 | 57.53 | 29.42 | ND* | ND* | ND* | ND* | 0.30 | ND* | 19.81 | 11.54 | 22.44 | 13.86 |
| 8 | 26/04/2022 | 77.52 | 41.36 | ND* | ND* | ND* | ND* | 0.24 | ND* | 23.61 | 13.87 | 33.45 | 18.53 |
| 9 | 29/04/2022 | 51.87 | 25.45 | ND* | ND* | ND* | ND* | 0.16 | ND* | 14.06 | 10.44 | 20.58 | 12.68 |
| 10 | 03/05/2022 | 50.33 | 22.29 | ND* | ND* | ND* | ND* | 0.50 | ND* | 13.57 | 8.62 | 16.34 | 21.64 |
| 11 | 06/05/2022 | 61.54 | 32.47 | ND* | ND* | ND* | ND* | 0.33 | ND* | 14.86 | 13.26 | 30.53 | 11.56 |
| 12 | 10/05/2022 | 44.36 | 16.65 | ND* | ND* | ND* | ND* | 0.70 | ND* | 20.25 | 18.44 | 21.24 | 17.22 |
| 13 | 13/05/2022 | 51.54 | 24.83 | ND* | ND* | ND* | ND* | 0.25 | ND* | 11.62 | 6.26 | 23.18 | 19.56 |
| 14 | 17/05/2022 | 42.27 | 14.85 | ND* | ND* | ND* | ND* | 0.31 | ND* | 32.77 | 15.35 | 32.42 | 20.27 |
| 15 | 20/05/2022 | 80.68 | 38.42 | ND* | ND* | ND* | ND* | 0.39 | ND* | 18.48 | 7.35 | 15.46 | 23.32 |
| 16 | 24/05/2022 | 60.56 | 33.18 | ND* | ND* | ND* | ND* | 0.63 | ND* | 28.66 | 9.74 | 24.66 | 25.44 |
| 17 | 27/05/2022 | 54.37 | 23.14 | ND* | ND* | ND* | ND* | 0.32 | ND* | 37.38 | 12.41 | 17.75 | 15.54 |
| 18 | 31/05/2022 | 67.66 | 26.94 | ND* | ND* | ND* | ND* | 0.62 | ND* | 25.24 | 14.68 | 22.97 | 13.35 |
| 19 | 03/06/2022 | 56.20 | 17.55 | ND* | ND* | ND* | ND* | 0.82 | ND* | 15.23 | 7.73 | 18.31 | 20.62 |
| 20 | 07/06/2022 | 60.21 | 31.53 | ND* | ND* | ND* | ND* | 0.54 | ND* | 18.51 | 14.95 | 22.31 | 18.02 |
| 21 | 10/06/2022 | 53.12 | 28.26 | ND* | ND* | ND* | ND* | 0.40 | ND* | 22.78 | 19.29 | 29.44 | 15.67 |
| 22 | 14/06/2022 | 64.54 | 36.26 | ND* | ND* | ND* | ND* | 0.38 | ND* | 27.82 | 16.07 | 19.92 | 21.75 |
| 23 | 17/06/2022 | 74.56 | 44.72 | ND* | ND* | ND* | ND* | 0.41 | ND* | 17.06 | 9.79 | 25.60 | 12.84 |
| 24 | 21/06/2022 | 55.67 | 33.54 | ND* | ND* | ND* | ND* | 0.24 | ND* | 12.67 | 11.92 | 21.22 | 14.54 |
| 25 | 24/06/2022 | 43.15 | 18.45 | ND* | ND* | ND* | ND* | 0.17 | ND* | 24.25 | 6.40 | 15.62 | 16.33 |
| 26 | 28/06/2022 | 68.23 | 26.36 | ND* | ND* | ND* | ND* | 0.47 | ND* | 14.57 | 17.04 | 28.23 | 19.53 |
| 27 | 01/07/2022 | 75.78 | 35.78 | ND* | ND* | ND* | ND* | 0.39 | ND* | 18.21 | 16.58 | 23.25 | 23.34 |
| 28 | 05/07/2022 | 58.31 | 20.22 | ND* | ND* | ND* | ND* | 0.48 | ND* | 12.26 | 8.24 | 32.69 | 16.87 |


Authorized Signatory





| | | | | | | | | | | | | | |
|----|------------|-------|-------|-----|-----|-----|-----|------|-----|-------|-------|-------|-------|
| 29 | 08/07/2022 | 42.55 | 18.61 | ND* | ND* | ND* | ND* | 0.84 | ND* | 33.91 | 11.97 | 20.33 | 20.13 |
| 30 | 12/07/2022 | 53.21 | 22.81 | ND* | ND* | ND* | ND* | 0.52 | ND* | 22.82 | 9.34 | 24.58 | 12.47 |
| 31 | 15/07/2022 | 67.26 | 30.89 | ND* | ND* | ND* | ND* | 0.23 | ND* | 26.56 | 12.64 | 31.12 | 18.2 |
| 32 | 19/07/2022 | 70.22 | 24.19 | ND* | ND* | ND* | ND* | 0.68 | ND* | 14.67 | 15.25 | 27.64 | 15.35 |
| 33 | 22/07/2022 | 51.55 | 17.48 | ND* | ND* | ND* | ND* | 0.42 | ND* | 23.64 | 13.52 | 16.47 | 19.63 |
| 34 | 26/07/2022 | 47.25 | 21.51 | ND* | ND* | ND* | ND* | 0.21 | ND* | 29.82 | 10.79 | 30.53 | 21.22 |
| 35 | 29/07/2022 | 64.28 | 28.30 | ND* | ND* | ND* | ND* | 0.41 | ND* | 17.33 | 6.43 | 21.62 | 14.58 |
| 36 | 02/08/2022 | 67.55 | 38.66 | ND* | ND* | ND* | ND* | 0.45 | ND* | 25.68 | 18.44 | 26.53 | 18.66 |
| 37 | 05/08/2022 | 52.34 | 22.79 | ND* | ND* | ND* | ND* | 0.31 | ND* | 26.95 | 6.86 | 18.27 | 22.44 |
| 38 | 09/08/2022 | 47.81 | 20.22 | ND* | ND* | ND* | ND* | 0.50 | ND* | 14.12 | 13.58 | 25.45 | 25.37 |
| 39 | 12/08/2022 | 61.56 | 24.52 | ND* | ND* | ND* | ND* | 0.47 | ND* | 19.01 | 20.48 | 33.58 | 14.35 |
| 40 | 16/08/2022 | 46.58 | 28.48 | ND* | ND* | ND* | ND* | 0.54 | ND* | 20.66 | 14.55 | 27.57 | 17.26 |
| 41 | 19/08/2022 | 60.17 | 19.62 | ND* | ND* | ND* | ND* | 0.36 | ND* | 11.67 | 19.62 | 22.44 | 20.43 |
| 42 | 23/08/2022 | 66.14 | 31.55 | ND* | ND* | ND* | ND* | 0.29 | ND* | 30.26 | 10.24 | 34.59 | 24.32 |
| 43 | 26/08/2022 | 50.23 | 23.43 | ND* | ND* | ND* | ND* | 0.18 | ND* | 22.28 | 12.37 | 13.28 | 12.67 |
| 44 | 30/08/2022 | 55.58 | 27.52 | ND* | ND* | ND* | ND* | 0.39 | ND* | 32.05 | 7.62 | 16.80 | 15.62 |
| 45 | 02/09/2022 | 70.58 | 37.62 | ND* | ND* | ND* | ND* | 0.17 | ND* | 26.56 | 9.58 | 16.83 | 13.53 |
| 46 | 06/09/2022 | 65.37 | 29.45 | ND* | ND* | ND* | ND* | 0.25 | ND* | 14.37 | 14.35 | 24.27 | 19.31 |
| 47 | 09/09/2022 | 43.54 | 17.50 | ND* | ND* | ND* | ND* | 0.76 | ND* | 17.56 | 10.89 | 17.26 | 24.63 |
| 48 | 13/09/2022 | 66.28 | 36.28 | ND* | ND* | ND* | ND* | 0.61 | ND* | 15.98 | 6.61 | 19.82 | 17.81 |
| 49 | 16/09/2022 | 58.27 | 26.32 | ND* | ND* | ND* | ND* | 0.36 | ND* | 11.55 | 8.54 | 30.15 | 14.38 |
| 50 | 20/09/2022 | 63.57 | 28.29 | ND* | ND* | ND* | ND* | 0.44 | ND* | 18.37 | 11.31 | 26.17 | 12.14 |
| 51 | 23/09/2022 | 50.22 | 23.43 | ND* | ND* | ND* | ND* | 0.60 | ND* | 22.46 | 7.83 | 15.62 | 16.54 |
| 52 | 27/09/2022 | 41.53 | 19.56 | ND* | ND* | ND* | ND* | 0.42 | ND* | 19.66 | 20.30 | 28.51 | 18.96 |
| 53 | 30/09/2022 | 53.41 | 25.37 | ND* | ND* | ND* | ND* | 0.53 | ND* | 23.81 | 16.50 | 22.44 | 20.78 |

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 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Authorized Signatory



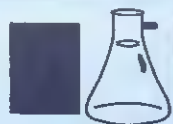
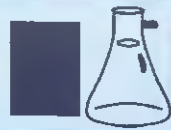


Table No.: 1.4 - Ambient Air Quality Monitoring Results At GCPTL Gate

| Sr. No. | Date of Sampling | Location-4: GCPTL Gate | | | | | | | | | | | |
|---------|------------------|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| | | PM ₁₀ | PM _{2.5} | Pb | BaP | As | Ni | CO | C ₆ H ₆ | NH ₃ | SO ₂ | NO _x | O ₃ |
| | | µg/m ³ | µg/m ³ | µg/m ³ | ng/m ³ | ng/m ³ | ng/m ³ | mg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ |
| 1 | 01/04/2022 | 42.42 | 17.56 | ND* | ND* | ND* | ND* | 0.38 | ND* | 13.83 | 12.46 | 25.33 | 19.44 |
| 2 | 05/04/2022 | 50.34 | 20.58 | ND* | ND* | ND* | ND* | 0.44 | ND* | 17.03 | 15.81 | 18.59 | 12.96 |
| 3 | 08/04/2022 | 55.47 | 28.69 | ND* | ND* | ND* | ND* | 0.21 | ND* | 10.25 | 19.48 | 32.47 | 11.36 |
| 4 | 12/04/2022 | 70.22 | 43.67 | ND* | ND* | ND* | ND* | 0.34 | ND* | 21.45 | 13.41 | 29.37 | 18.33 |
| 5 | 15/04/2022 | 56.57 | 19.64 | ND* | ND* | ND* | ND* | 0.14 | ND* | 12.52 | 8.81 | 15.68 | 24.85 |
| 6 | 19/04/2022 | 60.37 | 31.21 | ND* | ND* | ND* | ND* | 0.47 | ND* | 23.68 | 16.99 | 22.44 | 10.66 |
| 7 | 22/04/2022 | 48.68 | 18.52 | ND* | ND* | ND* | ND* | 0.19 | ND* | 15.83 | 9.82 | 26.83 | 16.33 |
| 8 | 26/04/2022 | 58.66 | 25.44 | ND* | ND* | ND* | ND* | 0.24 | ND* | 11.32 | 14.82 | 17.17 | 14.58 |
| 9 | 29/04/2022 | 51.96 | 27.84 | ND* | ND* | ND* | ND* | 0.22 | ND* | 14.32 | 10.22 | 24.37 | 17.39 |
| 10 | 03/05/2022 | 65.38 | 29.54 | ND* | ND* | ND* | ND* | 0.18 | ND* | 34.56 | 13.51 | 31.52 | 24.27 |
| 11 | 06/05/2022 | 57.61 | 26.46 | ND* | ND* | ND* | ND* | 0.52 | ND* | 15.36 | 9.36 | 22.46 | 15.64 |
| 12 | 10/05/2022 | 67.53 | 31.54 | ND* | ND* | ND* | ND* | 0.57 | ND* | 26.54 | 7.50 | 16.41 | 21.25 |
| 13 | 13/05/2022 | 60.36 | 33.57 | ND* | ND* | ND* | ND* | 0.22 | ND* | 18.72 | 17.26 | 26.45 | 12.78 |
| 14 | 17/05/2022 | 47.85 | 16.57 | ND* | ND* | ND* | ND* | 0.48 | ND* | 23.63 | 14.50 | 23.66 | 14.27 |
| 15 | 20/05/2022 | 64.33 | 25.69 | ND* | ND* | ND* | ND* | 0.58 | ND* | 25.42 | 15.44 | 30.74 | 16.84 |
| 16 | 24/05/2022 | 51.34 | 23.53 | ND* | ND* | ND* | ND* | 0.40 | ND* | 16.57 | 18.71 | 19.27 | 18.68 |
| 17 | 27/05/2022 | 72.03 | 36.42 | ND* | ND* | ND* | ND* | 0.44 | ND* | 32.98 | 11.98 | 21.39 | 13.66 |
| 18 | 31/05/2022 | 56.88 | 32.48 | ND* | ND* | ND* | ND* | 0.53 | ND* | 29.44 | 8.78 | 15.73 | 19.85 |
| 19 | 03/06/2022 | 43.67 | 14.69 | ND* | ND* | ND* | ND* | 0.44 | ND* | 21.72 | 16.97 | 23.16 | 12.93 |
| 20 | 07/06/2022 | 56.34 | 22.79 | ND* | ND* | ND* | ND* | 0.49 | ND* | 26.26 | 8.63 | 28.52 | 25.43 |
| 21 | 10/06/2022 | 73.16 | 32.67 | ND* | ND* | ND* | ND* | 0.46 | ND* | 14.64 | 15.25 | 25.16 | 19.25 |
| 22 | 14/06/2022 | 48.87 | 19.48 | ND* | ND* | ND* | ND* | 0.36 | ND* | 24.77 | 20.03 | 33.37 | 24.53 |
| 23 | 17/06/2022 | 54.27 | 30.17 | ND* | ND* | ND* | ND* | 0.65 | ND* | 20.17 | 13.58 | 21.52 | 16.22 |
| 24 | 21/06/2022 | 49.21 | 28.48 | ND* | ND* | ND* | ND* | 0.18 | ND* | 27.32 | 6.39 | 19.75 | 23.53 |
| 25 | 24/06/2022 | 64.65 | 25.70 | ND* | ND* | ND* | ND* | 0.39 | ND* | 30.48 | 11.80 | 31.22 | 11.48 |
| 26 | 28/06/2022 | 58.73 | 23.42 | ND* | ND* | ND* | ND* | 0.56 | ND* | 25.31 | 9.27 | 34.56 | 20.23 |
| 27 | 01/07/2022 | 66.34 | 25.20 | ND* | ND* | ND* | ND* | 0.82 | ND* | 13.15 | 11.58 | 26.48 | 26.32 |
| 28 | 05/07/2022 | 41.33 | 14.49 | ND* | ND* | ND* | ND* | 0.65 | ND* | 14.86 | 7.66 | 17.55 | 24.2 |

Authorized Signatory





POLLUCON LABORATORIES PVT. LTD.

| | | | | | | | | | | | | | |
|----|------------|-------|-------|-----|-----|-----|-----|------|-----|-------|-------|-------|-------|
| 29 | 08/07/2022 | 50.64 | 20.31 | ND* | ND* | ND* | ND* | 0.25 | ND* | 17.92 | 9.28 | 23.51 | 15.17 |
| 30 | 12/07/2022 | 58.62 | 30.09 | ND* | ND* | ND* | ND* | 0.77 | ND* | 28.91 | 15.37 | 28.61 | 17.87 |
| 31 | 15/07/2022 | 52.62 | 26.52 | ND* | ND* | ND* | ND* | 0.56 | ND* | 31.25 | 18.59 | 24.86 | 12.26 |
| 32 | 19/07/2022 | 54.27 | 18.41 | ND* | ND* | ND* | ND* | 0.30 | ND* | 16.27 | 12.43 | 20.47 | 10.95 |
| 33 | 22/07/2022 | 40.24 | 15.58 | ND* | ND* | ND* | ND* | 0.27 | ND* | 29.26 | 16.30 | 21.25 | 13.57 |
| 34 | 26/07/2022 | 35.64 | 17.53 | ND* | ND* | ND* | ND* | 0.69 | ND* | 24.23 | 8.46 | 16.66 | 19.44 |
| 35 | 29/07/2022 | 59.24 | 24.56 | ND* | ND* | ND* | ND* | 0.64 | ND* | 22.96 | 14.26 | 27.54 | 16.64 |
| 36 | 02/08/2022 | 71.67 | 35.34 | ND* | ND* | ND* | ND* | 0.53 | ND* | 28.34 | 12.52 | 32.17 | 24.24 |
| 37 | 05/08/2022 | 42.62 | 21.64 | ND* | ND* | ND* | ND* | 0.56 | ND* | 17.26 | 9.58 | 21.26 | 14.51 |
| 38 | 09/08/2022 | 56.88 | 27.53 | ND* | ND* | ND* | ND* | 0.30 | ND* | 20.03 | 18.61 | 36.42 | 17.51 |
| 39 | 12/08/2022 | 65.98 | 38.58 | ND* | ND* | ND* | ND* | 0.21 | ND* | 22.18 | 13.67 | 22.23 | 21.24 |
| 40 | 16/08/2022 | 50.65 | 22.66 | ND* | ND* | ND* | ND* | 0.49 | ND* | 13.15 | 11.61 | 16.56 | 13.18 |
| 41 | 19/08/2022 | 46.96 | 15.69 | ND* | ND* | ND* | ND* | 0.27 | ND* | 31.55 | 21.69 | 33.11 | 11.55 |
| 42 | 23/08/2022 | 54.38 | 18.66 | ND* | ND* | ND* | ND* | 0.60 | ND* | 24.01 | 8.68 | 28.87 | 26.42 |
| 43 | 26/08/2022 | 40.77 | 25.37 | ND* | ND* | ND* | ND* | 0.22 | ND* | 11.85 | 17.31 | 25.14 | 16.25 |
| 44 | 30/08/2022 | 60.27 | 23.53 | ND* | ND* | ND* | ND* | 0.74 | ND* | 29.34 | 10.82 | 19.34 | 20.39 |
| 45 | 02/09/2022 | 49.53 | 21.57 | ND* | ND* | ND* | ND* | 0.37 | ND* | 14.52 | 13.53 | 27.58 | 21.25 |
| 46 | 06/09/2022 | 54.38 | 23.49 | ND* | ND* | ND* | ND* | 0.18 | ND* | 18.26 | 16.36 | 19.47 | 13.18 |
| 47 | 09/09/2022 | 47.56 | 25.63 | ND* | ND* | ND* | ND* | 0.14 | ND* | 10.65 | 20.42 | 35.38 | 10.24 |
| 48 | 13/09/2022 | 57.56 | 29.57 | ND* | ND* | ND* | ND* | 0.52 | ND* | 12.66 | 8.61 | 16.29 | 26.66 |
| 49 | 16/09/2022 | 51.53 | 20.71 | ND* | ND* | ND* | ND* | 0.32 | ND* | 24.66 | 10.25 | 26.21 | 11.57 |
| 50 | 20/09/2022 | 42.47 | 13.59 | ND* | ND* | ND* | ND* | 0.71 | ND* | 22.56 | 14.80 | 31.54 | 20.67 |
| 51 | 23/09/2022 | 46.21 | 19.36 | ND* | ND* | ND* | ND* | 0.55 | ND* | 15.85 | 9.63 | 25.35 | 18.24 |
| 52 | 27/09/2022 | 53.66 | 26.35 | ND* | ND* | ND* | ND* | 0.30 | ND* | 13.28 | 12.45 | 23.44 | 23.63 |
| 53 | 30/09/2022 | 67.52 | 38.65 | ND* | ND* | ND* | ND* | 0.19 | ND* | 11.64 | 11.24 | 18.63 | 15.36 |

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 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Authorized Signatory

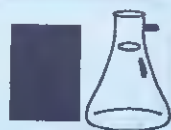


**Table No.: 1.5 - Ambient Air Quality Monitoring Results At Near Silo Porta Cabin**

| Sr. No. | Date of Sampling | Location-5: Near Silo Porta Cabin | | | | | | | | | | | |
|---------|------------------|-----------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| | | PM ₁₀ | PM _{2.5} | Pb | BaP | As | Ni | CO | C ₆ H ₆ | NH ₃ | SO ₂ | NO _x | O ₃ |
| | | µg/m ³ | µg/m ³ | µg/m ³ | ng/m ³ | ng/m ³ | ng/m ³ | mg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ |
| 1 | 01/04/2022 | 45.32 | 18.42 | ND* | ND* | ND* | ND* | 0.55 | ND* | 20.64 | 9.61 | 16.52 | 18.26 |
| 2 | 05/04/2022 | 55.46 | 21.22 | ND* | ND* | ND* | ND* | 0.36 | ND* | 26.36 | 15.81 | 37.44 | 12.46 |
| 3 | 08/04/2022 | 47.57 | 16.36 | ND* | ND* | ND* | ND* | 0.46 | ND* | 30.56 | 10.50 | 17.53 | 19.31 |
| 4 | 12/04/2022 | 66.31 | 36.41 | ND* | ND* | ND* | ND* | 0.18 | ND* | 34.54 | 7.23 | 29.47 | 26.74 |
| 5 | 15/04/2022 | 70.22 | 39.20 | ND* | ND* | ND* | ND* | 0.57 | ND* | 15.65 | 14.83 | 24.22 | 20.58 |
| 6 | 19/04/2022 | 42.37 | 20.33 | ND* | ND* | ND* | ND* | 0.33 | ND* | 22.43 | 8.25 | 15.32 | 13.39 |
| 7 | 22/04/2022 | 50.31 | 24.56 | ND* | ND* | ND* | ND* | 0.44 | ND* | 28.52 | 17.61 | 19.51 | 16.25 |
| 8 | 26/04/2022 | 72.41 | 40.25 | ND* | ND* | ND* | ND* | 0.32 | ND* | 16.23 | 6.53 | 27.51 | 11.61 |
| 9 | 29/04/2022 | 67.51 | 37.64 | ND* | ND* | ND* | ND* | 0.41 | ND* | 19.33 | 12.46 | 23.45 | 25.8 |
| 10 | 03/05/2022 | 56.27 | 35.44 | ND* | ND* | ND* | ND* | 0.29 | ND* | 24.52 | 6.56 | 24.33 | 12.61 |
| 11 | 06/05/2022 | 48.66 | 22.53 | ND* | ND* | ND* | ND* | 0.26 | ND* | 12.53 | 18.22 | 27.57 | 22.62 |
| 12 | 10/05/2022 | 62.64 | 25.45 | ND* | ND* | ND* | ND* | 0.61 | ND* | 23.87 | 16.13 | 32.73 | 15.39 |
| 13 | 13/05/2022 | 55.67 | 27.63 | ND* | ND* | ND* | ND* | 0.45 | ND* | 15.46 | 12.70 | 19.77 | 24.32 |
| 14 | 17/05/2022 | 60.22 | 24.48 | ND* | ND* | ND* | ND* | 0.21 | ND* | 19.55 | 9.54 | 36.39 | 18.24 |
| 15 | 20/05/2022 | 76.07 | 33.48 | ND* | ND* | ND* | ND* | 0.65 | ND* | 10.34 | 11.65 | 26.52 | 14.52 |
| 16 | 24/05/2022 | 47.76 | 18.43 | ND* | ND* | ND* | ND* | 0.30 | ND* | 13.78 | 13.66 | 28.63 | 19.44 |
| 17 | 27/05/2022 | 65.38 | 26.54 | ND* | ND* | ND* | ND* | 0.46 | ND* | 38.68 | 8.24 | 16.65 | 21.88 |
| 18 | 31/05/2022 | 53.54 | 29.30 | ND* | ND* | ND* | ND* | 0.23 | ND* | 21.23 | 10.88 | 31.74 | 23.97 |
| 19 | 03/06/2022 | 51.20 | 22.32 | ND* | ND* | ND* | ND* | 0.60 | ND* | 25.74 | 13.48 | 20.27 | 16.54 |
| 20 | 07/06/2022 | 40.21 | 16.46 | ND* | ND* | ND* | ND* | 0.77 | ND* | 21.66 | 16.36 | 31.57 | 21.47 |
| 21 | 10/06/2022 | 57.54 | 24.56 | ND* | ND* | ND* | ND* | 0.52 | ND* | 26.65 | 8.78 | 18.61 | 11.14 |
| 22 | 14/06/2022 | 53.53 | 29.57 | ND* | ND* | ND* | ND* | 0.32 | ND* | 16.42 | 6.52 | 23.89 | 19.41 |
| 23 | 17/06/2022 | 58.43 | 23.53 | ND* | ND* | ND* | ND* | 0.61 | ND* | 11.84 | 17.55 | 29.32 | 23.37 |
| 24 | 21/06/2022 | 44.43 | 21.65 | ND* | ND* | ND* | ND* | 0.21 | ND* | 17.84 | 10.92 | 34.30 | 26.29 |
| 25 | 24/06/2022 | 55.36 | 14.60 | ND* | ND* | ND* | ND* | 0.22 | ND* | 15.51 | 7.52 | 24.22 | 15.34 |
| 26 | 28/06/2022 | 50.20 | 20.16 | ND* | ND* | ND* | ND* | 0.89 | ND* | 12.76 | 12.65 | 15.32 | 12.45 |
| 27 | 01/07/2022 | 54.94 | 21.79 | ND* | ND* | ND* | ND* | 0.47 | ND* | 11.21 | 14.63 | 17.35 | 18.56 |
| 28 | 05/07/2022 | 62.67 | 30.20 | ND* | ND* | ND* | ND* | 0.57 | ND* | 18.33 | 12.16 | 29.93 | 12.63 |

Authorized Signatory





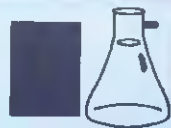
| | | | | | | | | | | | | | |
|----|------------|-------|-------|-----|-----|-----|-----|------|-----|-------|-------|-------|-------|
| 29 | 08/07/2022 | 46.27 | 27.49 | ND* | ND* | ND* | ND* | 0.74 | ND* | 24.35 | 17.65 | 31.20 | 27.54 |
| 30 | 12/07/2022 | 43.13 | 18.49 | ND* | ND* | ND* | ND* | 0.19 | ND* | 13.82 | 19.36 | 25.32 | 15.44 |
| 31 | 15/07/2022 | 56.56 | 22.58 | ND* | ND* | ND* | ND* | 0.40 | ND* | 20.36 | 11.62 | 28.24 | 10.66 |
| 32 | 19/07/2022 | 49.25 | 14.62 | ND* | ND* | ND* | ND* | 0.76 | ND* | 19.44 | 7.54 | 30.29 | 19.23 |
| 33 | 22/07/2022 | 45.65 | 23.18 | ND* | ND* | ND* | ND* | 0.46 | ND* | 12.71 | 10.67 | 18.64 | 14.37 |
| 34 | 26/07/2022 | 40.65 | 19.53 | ND* | ND* | ND* | ND* | 0.60 | ND* | 10.58 | 15.33 | 21.75 | 17.33 |
| 35 | 29/07/2022 | 51.58 | 20.38 | ND* | ND* | ND* | ND* | 0.44 | ND* | 16.31 | 13.40 | 24.63 | 11.29 |
| 36 | 02/08/2022 | 56.27 | 25.45 | ND* | ND* | ND* | ND* | 0.19 | ND* | 20.38 | 17.45 | 23.55 | 20.85 |
| 37 | 05/08/2022 | 48.63 | 18.52 | ND* | ND* | ND* | ND* | 0.25 | ND* | 14.22 | 11.59 | 26.71 | 11.9 |
| 38 | 09/08/2022 | 43.41 | 14.53 | ND* | ND* | ND* | ND* | 0.41 | ND* | 23.22 | 9.31 | 28.72 | 19.53 |
| 39 | 12/08/2022 | 57.84 | 20.65 | ND* | ND* | ND* | ND* | 0.65 | ND* | 15.03 | 16.19 | 30.36 | 23.87 |
| 40 | 16/08/2022 | 40.36 | 15.48 | ND* | ND* | ND* | ND* | 0.32 | ND* | 19.83 | 8.18 | 19.52 | 15.23 |
| 41 | 19/08/2022 | 53.57 | 22.42 | ND* | ND* | ND* | ND* | 0.40 | ND* | 27.37 | 14.24 | 32.51 | 10.86 |
| 42 | 23/08/2022 | 62.67 | 24.56 | ND* | ND* | ND* | ND* | 0.34 | ND* | 16.21 | 6.55 | 15.52 | 13.23 |
| 43 | 26/08/2022 | 58.16 | 31.64 | ND* | ND* | ND* | ND* | 0.46 | ND* | 21.82 | 13.25 | 20.57 | 21.86 |
| 44 | 30/08/2022 | 50.21 | 19.59 | ND* | ND* | ND* | ND* | 0.23 | ND* | 26.38 | 12.40 | 22.66 | 24.56 |
| 45 | 02/09/2022 | 45.23 | 24.53 | ND* | ND* | ND* | ND* | 0.62 | ND* | 19.21 | 10.56 | 24.64 | 16.62 |
| 46 | 06/09/2022 | 39.36 | 15.65 | ND* | ND* | ND* | ND* | 0.33 | ND* | 16.34 | 7.60 | 17.55 | 10.91 |
| 47 | 09/09/2022 | 56.41 | 20.63 | ND* | ND* | ND* | ND* | 0.24 | ND* | 11.71 | 14.67 | 22.53 | 23.51 |
| 48 | 13/09/2022 | 61.24 | 33.42 | ND* | ND* | ND* | ND* | 0.49 | ND* | 28.96 | 11.69 | 31.83 | 18.46 |
| 49 | 16/09/2022 | 48.63 | 18.62 | ND* | ND* | ND* | ND* | 0.15 | ND* | 13.77 | 18.16 | 33.36 | 24.19 |
| 50 | 20/09/2022 | 51.53 | 25.30 | ND* | ND* | ND* | ND* | 0.56 | ND* | 21.38 | 6.45 | 15.59 | 13.42 |
| 51 | 23/09/2022 | 64.23 | 31.23 | ND* | ND* | ND* | ND* | 0.23 | ND* | 24.33 | 13.23 | 23.56 | 25.58 |
| 52 | 27/09/2022 | 49.31 | 22.64 | ND* | ND* | ND* | ND* | 0.34 | ND* | 18.53 | 16.19 | 18.55 | 14.54 |
| 53 | 30/09/2022 | 62.48 | 32.42 | ND* | ND* | ND* | ND* | 0.93 | ND* | 20.37 | 8.35 | 27.21 | 17.52 |

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 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3


Authorized Signatory

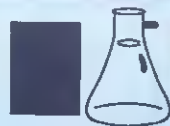


**Table No.: 1.6 - Ambient Air Quality Monitoring Results At JS – 2 Junction**

| Sr. No. | Date of Sampling | Location-6: JS – 2 Junction | | | | | | | | | | | |
|---------|------------------|-----------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| | | PM ₁₀ | PM _{2.5} | Pb | BaP | As | Ni | CO | C ₆ H ₆ | NH ₃ | SO ₂ | NO _x | O ₃ |
| | | µg/m ³ | µg/m ³ | µg/m ³ | ng/m ³ | ng/m ³ | ng/m ³ | mg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ | µg/m ³ |
| 1 | 01/04/2022 | 70.23 | 35.49 | ND* | ND* | ND* | ND* | 0.94 | ND* | 38.46 | 12.58 | 35.37 | 21.55 |
| 2 | 05/04/2022 | 83.21 | 43.65 | 0.61 | ND* | 2.34 | 10.34 | 1.01 | ND* | 34.23 | 20.33 | 39.44 | 19.21 |
| 3 | 08/04/2022 | 68.43 | 36.53 | ND* | ND* | ND* | ND* | 1.09 | ND* | 37.67 | 16.27 | 29.86 | 26.80 |
| 4 | 12/04/2022 | 79.51 | 45.35 | ND* | ND* | ND* | ND* | 1.05 | ND* | 43.52 | 18.67 | 32.44 | 29.43 |
| 5 | 15/04/2022 | 85.46 | 49.64 | 0.52 | ND* | 2.18 | 10.40 | 0.72 | ND* | 39.53 | 22.67 | 36.23 | 14.22 |
| 6 | 19/04/2022 | 62.68 | 25.64 | ND* | ND* | ND* | ND* | 1.08 | ND* | 42.62 | 19.20 | 34.82 | 20.43 |
| 7 | 22/04/2022 | 72.41 | 37.55 | ND* | ND* | ND* | ND* | 0.54 | ND* | 31.85 | 21.21 | 37.66 | 15.49 |
| 8 | 26/04/2022 | 82.46 | 46.25 | 0.58 | ND* | 2.24 | 10.22 | 0.37 | ND* | 19.43 | 10.77 | 40.23 | 23.61 |
| 9 | 29/04/2022 | 74.51 | 42.43 | ND* | ND* | ND* | ND* | 0.89 | ND* | 24.24 | 15.21 | 33.27 | 28.39 |
| 10 | 03/05/2022 | 78.53 | 44.27 | 0.71 | ND* | 2.34 | 10.34 | 0.54 | ND* | 42.54 | 21.44 | 37.58 | 15.48 |
| 11 | 06/05/2022 | 71.22 | 38.33 | ND* | ND* | ND* | ND* | 0.60 | ND* | 23.58 | 16.22 | 36.25 | 24.56 |
| 12 | 10/05/2022 | 57.34 | 28.35 | ND* | ND* | ND* | ND* | 0.94 | ND* | 32.43 | 18.34 | 30.23 | 13.49 |
| 13 | 13/05/2022 | 73.42 | 35.34 | ND* | ND* | ND* | ND* | 0.71 | ND* | 30.25 | 10.24 | 39.26 | 27.52 |
| 14 | 17/05/2022 | 65.68 | 26.06 | ND* | ND* | ND* | ND* | 0.81 | ND* | 18.65 | 7.43 | 28.51 | 16.52 |
| 15 | 20/05/2022 | 85.34 | 43.58 | 0.64 | ND* | 2.45 | 10.28 | 0.73 | ND* | 20.52 | 22.46 | 35.21 | 28.57 |
| 16 | 24/05/2022 | 70.37 | 41.75 | ND* | ND* | ND* | ND* | 0.84 | ND* | 36.35 | 11.58 | 38.48 | 23.85 |
| 17 | 27/05/2022 | 83.25 | 45.72 | 0.52 | ND* | 2.12 | 10.41 | 0.95 | ND* | 44.13 | 9.20 | 15.25 | 18.47 |
| 18 | 31/05/2022 | 72.27 | 36.05 | ND* | ND* | ND* | ND* | 0.72 | ND* | 40.46 | 19.65 | 27.46 | 21.13 |
| 19 | 03/06/2022 | 60.30 | 25.22 | ND* | ND* | ND* | ND* | 1.07 | ND* | 37.14 | 22.56 | 36.21 | 25.65 |
| 20 | 07/06/2022 | 65.22 | 28.31 | ND* | ND* | ND* | ND* | 0.72 | ND* | 29.06 | 10.78 | 25.28 | 22.77 |
| 21 | 10/06/2022 | 78.62 | 44.84 | 0.53 | ND* | 2.18 | 10.48 | 0.62 | ND* | 38.72 | 13.52 | 22.14 | 20.33 |
| 22 | 14/06/2022 | 68.73 | 42.85 | ND* | ND* | ND* | ND* | 0.84 | ND* | 42.77 | 24.54 | 41.58 | 28.48 |
| 23 | 17/06/2022 | 79.85 | 47.05 | 0.66 | ND* | 2.36 | 10.29 | 0.97 | ND* | 26.57 | 15.21 | 32.93 | 11.93 |
| 24 | 21/06/2022 | 73.77 | 37.62 | 0.55 | ND* | 2.42 | 10.37 | 0.29 | ND* | 30.25 | 18.44 | 28.98 | 15.45 |
| 25 | 24/06/2022 | 58.76 | 31.91 | ND* | ND* | ND* | ND* | 0.63 | ND* | 39.21 | 9.57 | 26.22 | 26.35 |
| 26 | 28/06/2022 | 71.27 | 29.42 | 0.64 | ND* | 2.06 | 10.15 | 0.58 | ND* | 21.87 | 16.25 | 23.46 | 17.26 |
| 27 | 01/07/2022 | 73.65 | 31.19 | ND* | ND* | ND* | ND* | 0.63 | ND* | 25.45 | 12.28 | 38.81 | 21.56 |
| 28 | 05/07/2022 | 78.63 | 40.81 | 0.56 | ND* | 2.42 | 10.26 | 0.88 | ND* | 31.37 | 17.25 | 35.45 | 28.73 |

Authorized Signatory





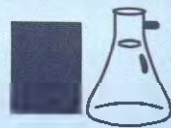
| | | | | | | | | | | | | | |
|----|------------|-------|-------|------|-----|------|-------|------|-----|-------|-------|-------|-------|
| 29 | 08/07/2022 | 63.57 | 29.50 | ND* | ND* | ND* | ND* | 0.72 | ND* | 41.24 | 14.31 | 29.33 | 22.13 |
| 30 | 12/07/2022 | 67.64 | 27.59 | ND* | ND* | ND* | ND* | 1.04 | ND* | 34.03 | 20.62 | 34.20 | 23.82 |
| 31 | 15/07/2022 | 70.68 | 33.42 | 0.62 | ND* | 2.21 | 10.37 | 0.79 | ND* | 27.44 | 10.37 | 26.24 | 26.48 |
| 32 | 19/07/2022 | 52.61 | 26.60 | ND* | ND* | ND* | ND* | 0.37 | ND* | 24.62 | 16.29 | 36.23 | 17.74 |
| 33 | 22/07/2022 | 64.54 | 30.48 | ND* | ND* | ND* | ND* | 0.92 | ND* | 32.35 | 19.46 | 31.76 | 24.54 |
| 34 | 26/07/2022 | 56.62 | 25.64 | ND* | ND* | ND* | ND* | 1.03 | ND* | 30.07 | 13.24 | 25.46 | 16.15 |
| 35 | 29/07/2022 | 69.32 | 34.23 | ND* | ND* | ND* | ND* | 0.50 | ND* | 19.34 | 9.66 | 28.35 | 25.17 |
| 36 | 02/08/2022 | 75.61 | 42.63 | 0.65 | ND* | 2.24 | 10.37 | 0.33 | ND* | 32.83 | 24.66 | 30.46 | 16.58 |
| 37 | 05/08/2022 | 60.34 | 34.32 | ND* | ND* | ND* | ND* | 0.64 | ND* | 24.14 | 14.85 | 33.46 | 19.37 |
| 38 | 09/08/2022 | 67.54 | 40.81 | ND* | ND* | ND* | ND* | 0.82 | ND* | 16.66 | 11.22 | 31.54 | 27.53 |
| 39 | 12/08/2022 | 76.97 | 28.95 | 0.75 | ND* | 2.65 | 10.21 | 0.55 | ND* | 39.53 | 18.58 | 38.16 | 30.84 |
| 40 | 16/08/2022 | 52.82 | 31.24 | ND* | ND* | ND* | ND* | 0.57 | ND* | 15.58 | 16.40 | 24.65 | 24.83 |
| 41 | 19/08/2022 | 68.21 | 29.60 | ND* | ND* | ND* | ND* | 0.52 | ND* | 35.23 | 23.66 | 26.62 | 13.47 |
| 42 | 23/08/2022 | 73.97 | 38.25 | 0.52 | ND* | 2.46 | 10.90 | 0.71 | ND* | 37.65 | 12.86 | 41.73 | 21.65 |
| 43 | 26/08/2022 | 61.23 | 35.57 | ND* | ND* | ND* | ND* | 0.88 | ND* | 29.95 | 20.20 | 28.57 | 25.44 |
| 44 | 30/08/2022 | 72.68 | 33.25 | ND* | ND* | ND* | ND* | 0.77 | ND* | 40.26 | 15.50 | 25.67 | 17.67 |
| 45 | 02/09/2022 | 65.43 | 27.58 | 0.58 | ND* | 2.16 | 10.18 | 1.02 | ND* | 35.28 | 17.51 | 29.45 | 24.26 |
| 46 | 06/09/2022 | 59.67 | 32.57 | ND* | ND* | ND* | ND* | 0.74 | ND* | 20.63 | 9.29 | 31.23 | 26.25 |
| 47 | 09/09/2022 | 52.65 | 19.56 | ND* | ND* | ND* | ND* | 0.64 | ND* | 31.88 | 24.81 | 40.26 | 30.57 |
| 48 | 13/09/2022 | 81.27 | 45.29 | 0.65 | ND* | 2.24 | 10.31 | 0.82 | ND* | 23.48 | 13.45 | 28.64 | 20.28 |
| 49 | 16/09/2022 | 71.52 | 34.54 | ND* | ND* | ND* | ND* | 0.29 | ND* | 17.45 | 22.42 | 42.82 | 15.46 |
| 50 | 20/09/2022 | 58.61 | 31.25 | ND* | ND* | ND* | ND* | 0.90 | ND* | 28.72 | 19.54 | 35.59 | 18.67 |
| 51 | 23/09/2022 | 76.53 | 41.55 | 0.51 | ND* | 2.36 | 10.23 | 0.46 | ND* | 26.94 | 10.49 | 27.67 | 22.45 |
| 52 | 27/09/2022 | 57.57 | 28.55 | ND* | ND* | ND* | ND* | 0.94 | ND* | 11.85 | 14.14 | 32.27 | 27.52 |
| 53 | 30/09/2022 | 75.33 | 42.57 | ND* | ND* | ND* | ND* | 0.68 | ND* | 32.82 | 20.32 | 36.75 | 11.68 |

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 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Authorized Signatory





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


Table- 1: Ground Water Level & Quality Analysis (Pizometer) Results for the period: April-22 To September-22

3B.1 Near Sub Station-7B

| SR. NO. | TEST PARAMETER | UNIT | OBSERVATION | | | | | |
|---------|--|-------|-------------|----------|----------|----------|----------|----------|
| | | | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 |
| | | | 26/04/22 | 28/05/22 | 30/06/22 | 29/07/22 | 26/08/22 | 14/09/22 |
| 1 | Temperature | °C | 30.7 | 30.3 | 30.1 | 29.8 | 28.9 | 30.1 |
| 2 | pH | -- | 8.14 | 7.91 | 8.13 | 8.21 | 8.16 | 7.14 |
| 3 | Total Dissolved Solids | mg/L | 648 | 1093 | 1175 | 1208 | 1240 | 826 |
| 4 | Salinity | ppt | 0.140 | 0.250 | 0.263 | 0.280 | 0.240 | 0.310 |
| 5 | Chloride as Cl | mg/L | 76.97 | 1360 | 146 | 159 | 168 | 174 |
| 6 | Depth of Water Level from Ground Level | meter | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 7 | Status of Tide | -- | Law Tide | Law Tide | Law Tide | Law Tide | Law Tide | Law Tide |

3B.2 Near QHSE Office

| SR. NO. | TEST PARAMETER | UNIT | OBSERVATION | | | | | |
|---------|--|-------|-------------|----------|----------|----------|----------|----------|
| | | | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 |
| | | | 26/04/22 | 28/05/22 | 30/06/22 | 29/07/22 | 26/08/22 | 14/09/22 |
| 1 | Temperature | °C | 30.8 | 30.2 | 30.1 | 29.6 | 28.6 | 30.0 |
| 2 | pH | -- | 8.12 | 7.96 | 8.05 | 8.17 | 8.24 | 7.37 |
| 3 | Total Dissolved Solids | mg/L | 656 | 1028 | 1093 | 1156 | 1164 | 658 |
| 4 | Salinity | ppt | 0.140 | 0.220 | 0.249 | 0.270 | 0.210 | 0.350 |
| 5 | Chloride as Cl | mg/L | 75.97 | 123 | 138 | 149 | 154 | 193 |
| 6 | Depth of Water Level from Ground Level | meter | 2.0 | 1.5 | 1.5 | 1.5 | 1.5 | 1.0 |
| 7 | Status of Tide | -- | Law Tide | Law Tide | Law Tide | Law Tide | Law Tide | Law Tide |


Authorized Signatory





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-22 To September-22:-

| Sr. NO. | TEST PARAMETERS | UNIT | RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE | | | | | | | | | | | |
|-------------|--|---------------------------|---|--|---|---|---|--|--|--|--|--|---|--|
| | | | Apr-22 | | May-22 | | Jun-22 | | Jul-22 | | Aug-22 | | Sep-22 | |
| | | | 26/04/22 | 28/05/22 | 30/06/22 | 29/07/22 | 26/08/22 | 14/09/22 | Surface | Bottom | Surface | Bottom | Surface | Bottom |
| 1 | pH | -- | 8.15 | 8.1 | 8.14 | 8.1 | 8.19 | 8.12 | 8.27 | 8.24 | 8.35 | 8.30 | 7.98 | 7.87 |
| 2 | Temperature | °C | 30.5 | 30.4 | 30.3 | 30 | 30.2 | 30 | 30.3 | 30.1 | 29.7 | 29.6 | 29.5 | 29.3 |
| 3 | Total Suspended Solids | mg/L | 193 | 178 | 205 | 190 | 216 | 197 | 185 | 172 | 204 | 193 | 217 | 208 |
| 4 | BOD (3 Days @ 27 °C) | mg/L | 3.36 | 2.97 | 3.26 | 3.14 | 2.84 | 2.49 | 3.26 | 3.15 | 2.36 | 2.10 | 3.50 | 2.60 |
| 5 | Dissolved Oxygen | mg/L | 5.95 | 5.80 | 5.95 | 5.80 | 6.00 | 5.95 | 5.95 | 5.85 | 6.00 | 5.80 | 5.90 | 5.75 |
| 6 | Salinity | ppt | 34.52 | 34.86 | 35.20 | 35.56 | 34.97 | 35.28 | 34.28 | 34.97 | 34.58 | 34.72 | 33.70 | 34.28 |
| 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 ₃ | µmol/L | 3.29 | 3.14 | 3.54 | 3.40 | 2.83 | 2.67 | 3.14 | 2.93 | 2.63 | 2.41 | 3.56 | 3.40 |
| 9 | Nitrite as NO ₂ | µmol/L | 0.95 | 0.87 | 0.67 | 0.53 | 0.64 | 0.58 | 0.79 | 0.65 | 0.28 | 0.20 | 0.41 | 0.35 |
| 10 | Ammonical Nitro genas NH ₃ | µmol/L | 2.23 | 2.16 | 2.25 | 2.14 | 1.97 | 1.83 | 2.15 | 2.10 | 1.89 | 1.77 | 2.19 | 2.08 |
| 11 | Phosphates as PO ₄ | µmol/L | 2.56 | 2.40 | 2.49 | 2.38 | 2.35 | 2.28 | 1.98 | 1.87 | 2.35 | 2.23 | 2.56 | 2.41 |
| 12 | Total Nitrogen | µmol/L | 6.47 | 6.17 | 6.46 | 6.07 | 5.44 | 5.08 | 6.08 | 5.68 | 4.80 | 4.38 | 6.16 | 5.83 |
| 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 | 35128 | 35946 | 36284 | 36612 | 36124 | 36408 | 35529 | 36125 | 35708 | 35914 | 34899 | 35478 |
| 15 | COD | mg/L | 14.95 | 13.68 | 14.30 | 13.46 | 12.38 | 10.64 | 14.68 | 13.24 | 9.10 | 7.60 | 13.60 | 11.70 |
| A | Phytoplankton | | | | | | | | | | | | | |
| 16.1 | Chlorophyll | mg/m ³ | 2.63 | 2.56 | 2.67 | 2.38 | 2.37 | 2.13 | 2.53 | 2.48 | 2.29 | 2.24 | 2.53 | 2.48 |
| 16.2 | Phaeophytin | mg/m ³ | 0.31 | 0.48 | 0.15 | 0.31 | 0.97 | 1.19 | 0.51 | 0.92 | 1.24 | 1.01 | 0.51 | 0.92 |
| 16.3 | Cell Count | Unit x 10 ³ /L | 178 | 124 | 172 | 114 | 210 | 162 | 220 | 178 | 196 | 164 | 214 | 174 |
| 16.4 | Name of Group Number and name of group species of each group | -- | Odont ella sp., Cheat ocerous sp., Thalassiothri x sp., Coscin odiscu s sp. | Cerati um sp., Navicu la sp., Nitzsc hia sp., Pleuro sigma sp. | Amiph ora sp., Chaet oceros sp., Guinar dia sp., Odont ella sp. | Navicu la sp., Cerati um sp., Pleuro sigma sp., Tricbo desmi um sp. | Coscin odiscu s sp., Nitzsc hia sp., Astari onella sp., Guinar dia sp., Melosi ra sp. | Navicu la sp., Cyclot ella sp., Pleuro sigma sp., Syend ra sp. | Chaet oceros sp., Cerati um sp., Guinar dia sp., Odent ella sp., Melosi ra sp. | Navicu la sp., Nitzsc hia sp., Pleuro sigma sp., Rhizos olenia sp. | Odent ella sp., Rhizos olenio sp., Chaet oceros sp., Guinar dia sp., Melosi ra sp. | Navicu la sp., Tricho desmi um sp., Pleuro sigma sp., Fragill aria sp. | Coscin odiscu s sp., Asteri onella sp., Melosi ra sp., Spiruli na sp., Thalla siosira sp. | Navicul a sp., Nitzsch ia sp., Fragilla ria sp., Closter ium sp., Pleuros igma sp. |
| Continue... | | | | | | | | | | | | | | |

Continue...

Authorized Signatory





| Sr. NO. | TEST PARAMETERS | UNIT | RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE | | | | | |
|---------|--|---------------------------------------|--|--|------------------------------------|---|---|--|
| | | | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 |
| | | | 26/04/22 | 28/05/22 | 30/06/22 | 29/07/22 | 26/08/22 | 14/09/22 |
| | | | South Side | South Side | South Side | South Side | South Side | South Side |
| B | Zooplanktons | | | | | | | |
| 17.1 | Abundance (Population) | noX10 ³ /100m ³ | 22 | 27 | 24 | 31 | 34 | 24 |
| 17.2 | Name of Group Number and name of group species of each group | -- | Cyclops, Polychaetes, Ostracods, Nauplius larvae. | Polychaetes , Bivalves, Gastropod , Copepods | Polychaetes , Bivalves, Gastropods | Polychaetes , Bivalves, Crustaceans, Copepods | Polychaetes , Decapods, Gastropod , Amphipods, Copepods | Cyclops, Nauplius larvae, Ostracods, Polychaetes |
| 17.3 | Total Biomass | ml/100 m ³ | 2.10 | 2.65 | 2.35 | 2.95 | 3.15 | 2.25 |
| C | Microbiological Parameters | | | | | | | |
| 18.1 | Total Bacterial Count | CFU/ml | 2470 | 2420 | 2380 | 2250 | 2720 | 2610 |
| 18.2 | Total Coliform | /ml | Present | Present | Present | Present | Present | Present |
| 18.3 | E.coli | /ml | Absent | Absent | Absent | Absent | Absent | Absent |
| 18.4 | Enterococcus species | /ml | Present | Present | Present | Present | Present | Present |
| 18.5 | Salmonella species | /ml | Absent | Absent | Absent | Absent | Absent | Absent |
| 18.6 | Shigella species | /ml | Absent | Absent | Absent | Absent | Absent | Absent |
| 18.7 | Vibrio species | /ml | Absent | Absent | Absent | Absent | Absent | Absent |

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

Authorized Signatory





POLLUCON LABORATORIES PVT. LTD.

Table No.: 3C.2 - Sea Water (Surface & Bottom) Quality Analysis Results of Sea Water North Side for the period: April-22 To September-22:-

| SR. NO. | TEST PARAMETERS | UNIT | RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE | | | | | | | | | | | |
|------------------------|--|---------------------------|--|---|--|--|--|--|--|--|---|---|--|--|
| | | | Apr-22 | | May-22 | | Jun-22 | | Jul-22 | | Aug-22 | | Sep-22 | |
| | | | 26/04/22 | | 28/05/22 | | 30/06/22 | | 29/07/22 | | 26/08/22 | | 14/09/22 | |
| | | | Surface | Bottom | Surface | Bottom | Surface | Bottom | Surface | Bottom | Surface | Bottom | Surface | Bottom |
| 1 | pH | -- | 8.17 | 8.12 | 8.19 | 8.16 | 8.23 | 8.18 | 8.29 | 8.25 | 8.40 | 8.35 | 7.99 | 7.92 |
| 2 | Temperature | °C | 30.6 | 30.4 | 30.4 | 30.1 | 30.3 | 30.1 | 30.2 | 30 | 29.8 | 29.6 | 29.7 | 29.5 |
| 3 | Total Suspended Solids | mg/L | 187 | 173 | 203 | 185 | 217 | 198 | 186 | 164 | 213 | 189 | 228 | 214 |
| 4 | BOD (3 Days @ 27 °C) | mg/L | 3.20 | 2.89 | 3.00 | 2.94 | 2.94 | 2.86 | 3.37 | 3.12 | 2.47 | 2.30 | 3.40 | 2.68 |
| 5 | Dissolved Oxygen | mg/L | 5.90 | 5.75 | 5.90 | 5.75 | 6.05 | 5.90 | 5.95 | 5.90 | 6.05 | 5.85 | 5.95 | 5.80 |
| 6 | Salinity | ppt | 34.60 | 34.98 | 35.32 | 35.94 | 34.86 | 35.32 | 34.49 | 34.80 | 34.68 | 34.96 | 33.67 | 34.39 |
| 7 | Oil & Grease | mg/L | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected |
| 8 | Nitrate as NO ₃ | µmol/L | 3.35 | 3.25 | 3.46 | 3.30 | 2.91 | 2.70 | 3.08 | 2.84 | 2.48 | 2.37 | 3.29 | 3.18 |
| 9 | Nitrite as NO ₂ | µmol/L | 0.89 | 0.81 | 0.65 | 0.59 | 0.62 | 0.57 | 0.71 | 0.69 | 0.23 | 0.16 | 0.55 | 0.47 |
| 10 | Ammonical Nitrogen as NH ₃ | µmol/L | 2.34 | 2.28 | 2.37 | 2.30 | 2.18 | 2.03 | 2.37 | 2.28 | 1.95 | 1.83 | 2.27 | 2.18 |
| 11 | Phosphates as PO ₄ | µmol/L | 2.47 | 2.36 | 2.28 | 2.20 | 2.31 | 2.24 | 2.15 | 2.07 | 2.27 | 2.19 | 2.39 | 2.25 |
| 12 | Total Nitrogen | µmol/L | 6.58 | 6.34 | 6.48 | 6.19 | 5.71 | 5.30 | 6.16 | 5.81 | 4.66 | 4.36 | 6.10 | 5.83 |
| 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 | 35706 | 36084 | 36380 | 36958 | 35990 | 36412 | 35674 | 35982 | 35804 | 36130 | 34893 | 35578 |
| 15 | COD | mg/L | 14.28 | 12.76 | 14.96 | 13.12 | 13.18 | 12.93 | 14.73 | 13.28 | 9.80 | 8.20 | 14.80 | 12.30 |
| A Phytoplankton | | | | | | | | | | | | | | |
| 16.1 | Chlorophyll | mg/m ³ | 2.56 | 2.40 | 2.68 | 2.33 | 2.56 | 2.24 | 2.69 | 2.32 | 2.58 | 2.40 | 2.67 | 2.42 |
| 16.2 | Phaeophytin | mg/m ³ | 0.44 | 0.23 | 0.13 | 0.30 | 0.76 | 0.97 | 0.54 | 0.84 | 0.38 | 1.04 | 0.56 | 0.82 |
| 16.3 | Cell Count | Unit x 10 ³ /L | 184 | 116 | 164 | 116 | 184 | 108 | 234 | 172 | 210 | 192 | 226 | 185 |
| 16.4 | Name of Group Number and name of group species of each group | -- | Melosira sp., Thalassionema sp., Coscinodiscus sp., Gyrodinium sp., Rhizosolenia sp. | Nitzschia sp., Asterionella sp., Navicula sp., Synedra sp., Cosmarium sp. | Guinar dia sp., Rhizosolenia sp., Coscinodiscus sp., Trichodesmium sp., Chaetoceros sp., Odontella sp. | Nitzschia sp., Navicula sp., Pleurosigma sp., Skelettonema sp., Synderella sp. | Synderella sp., Coscinodiscus sp., Guinar dia sp., Navicula sp., Nitzschia sp. | Spirulina sp., Closterium sp., Navicula sp., Nitzschia sp. | Skeletonema sp., Coscinodiscus sp., Guinar dia sp., Trichodesmium sp., Chaetoceros sp., Rhizosolenia sp. | Nitzschia sp., Synedra sp., Ceratium sp., Trichosira sp., Chaetoceros sp., Fragillaria sp. | Amphiprora sp., Guinar dia sp., Thalassiosira sp., Chaetoceros sp., Odontella sp. | Nitzschia sp., Trichodesmium sp., Melosira sp., Fragillaria sp. | Coscinodiscus sp., Asterionella sp., Spirulina sp., Odontella sp., Chaetoceros sp. | Navicula sp., Nitzschia sp., Pleurosigma sp., Thallasiomena sp., Fragillaria sp. |

Continue...

Authorized Signatory





POLLUCON LABORATORIES PVT. LTD.

| Sr. NO. | TEST PARAMETERS | UNIT | RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE | | | | | |
|---------|--|-------------------------------------|--|-----------------------------------|---|------------------------------------|--|---|
| | | | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 |
| | | | 26/04/22 | 28/05/22 | 30/06/22 | 29/07/22 | 26/08/22 | 14/09/22 |
| | | | North Side | North Side | North Side | North Side | North Side | North Side |
| B | Zooplanktons | | | | | | | |
| 17.1 | Abundance (Population) | no $\times 10^3$ /100m ³ | 20 | 28 | 25 | 30 | 36 | 29 |
| 17.2 | Name of Group Number and name of group species of each group | -- | Colpoda sp., Isopods, Polychaetes sp. | Polychaetes , Copepods, Gastropod | Polychaetes , Gastropods, Bivalves, Amphipods | Polychaetes, Crustaceans, Copepods | Bivalves, Gastropod, Copepods, Polychaetes | Polychaetes, Cyclops, Ostracods, Bivalves |
| 17.3 | Total Biomass | ml/100 m ³ | 2.05 | 2.75 | 2.45 | 2.90 | 3.45 | 2.70 |
| C | Microbiological Parameters | | | | | | | |
| 18.1 | Total Bacterial Count | CFU/ml | 2710 | 2350 | 2610 | 2470 | 2550 | 2740 |
| 18.2 | Total Coliform | /ml | 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.

Authorized Signatory





3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis (South Side) Results for the period: April-22 To September-22

| Sr. No | PARAMETERS | UNIT | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 |
|--------|--|-------------------|--|---|---|--|--|---|
| | | | 26/04/22 | 28/05/22 | 30/06/22 | 29/07/22 | 26/08/22 | 14/09/22 |
| 1 | Organic Matter | % | 0.42 | 0.36 | 0.33 | 0.46 | 0.40 | 0.30 |
| 2 | Phosphorus as P | µg/g | 639 | 709 | 607 | 732 | 684 | 613 |
| 3 | Texture | -- | Sandy | Sandy | Sandy | Sandy | Sandy | Sandy |
| 4 | Petroleum Hydrocarbon | µg/g | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected |
| 5 | Heavy Metals | | | | | | | |
| 5.1 | Aluminum as Al | % | 4.72 | 4.96 | 4.82 | 5.04 | 4.96 | 5.16 |
| 5.2 | Total Chromium as Cr ⁺³ | µg/g | 108 | 107 | 129 | 113 | 135 | 124 |
| 5.3 | Manganese as Mn | µg/g | 573 | 586 | 614 | 672 | 594 | 639 |
| 5.4 | Iron as Fe | % | 4.70 | 4.92 | 4.68 | 4.89 | 4.69 | 4.83 |
| 5.5 | Nickel as Ni | µg/g | 44.86 | 47.63 | 53.76 | 42.35 | 37.39 | 43.95 |
| 5.6 | Copper as Cu | µg/g | 37.50 | 36.50 | 41.93 | 37.69 | 45.63 | 39.17 |
| 5.7 | Zinc as Zn | µg/g | 128 | 120 | 109 | 93.24 | 87.64 | 105 |
| 5.8 | Lead as Pb | µg/g | 2.68 | 2.79 | 2.07 | 1.73 | 2.14 | 1.83 |
| 5.9 | Mercury as Hg | µg/g | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected |
| 6 | Benthic Organisms | | | | | | | |
| 6.1 | Macrobenthos (No and name of groups present, No and name of species of each group present) | - | Crustaceans, Gastropods, Crustaceans, Polychaetes | Polychaetes, Gastropods, Bivalves, Amphipods | Polychaetes, Gastropods, Bivalves | Polychaetes, Amphipods, Crustaceans, Bivalves | Polychaetes, Bivalves, Amphipods | Echinoderms Molluscs, Oligochaetes Polychaetes |
| 6.2 | MeioBenthos (No and name of groups present, No and name of species of each group present) | -- | Foraminifera ns | -- | Foraminifera ns, Nematodes | -- | Nematodes | Nematodes |
| 6.3 | Population | no/m ² | 353 | 412 | 292 | 439 | 351 | 497 |

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



Authorized Signatory






3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis Results (North Side) for the period: April-22 To September-22:-

| Sr. No. | PARAMETERS | UNIT | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 |
|---------|--|-------------------|---|---|--|---|--|---|
| | | | 26/04/22 | 28/05/22 | 30/06/22 | 29/07/22 | 26/08/22 | 14/09/22 |
| 1 | Organic Matter | % | 0.45 | 0.35 | 0.32 | 0.47 | 0.42 | 0.38 |
| 2 | Phosphorus as P | mg/kg | 606 | 673 | 620 | 709 | 689 | 713 |
| 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 | Heavy Metals | | | | | | | |
| 5.1 | Aluminum as Al | % | 4.61 | 4.92 | 4.87 | 4.98 | 5.13 | 5.29 |
| 5.2 | Total Chromium as Cr ⁺³ | mg/kg | 103 | 128 | 112 | 95.27 | 109 | 135 |
| 5.3 | Manganese as Mn | mg/kg | 618 | 609 | 631 | 658 | 713 | 675 |
| 5.4 | Iron as Fe | % | 4.86 | 4.87 | 4.78 | 4.87 | 5.29 | 4.97 |
| 5.5 | Nickel as Ni | mg/kg | 46.73 | 49.91 | 55.62 | 43.98 | 53.68 | 48.29 |
| 5.6 | Copper as Cu | mg/kg | 40.18 | 43.85 | 40.13 | 35.29 | 47.34 | 41.75 |
| 5.7 | Zinc as Zn | mg/kg | 131 | 130 | 107 | 97.15 | 116 | 95.28 |
| 5.8 | Lead as Pb | mg/kg | 2.54 | 2.14 | 2.23 | 1.36 | 1.77 | 2.19 |
| 5.9 | Mercury as Hg | mg/kg | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected |
| 6 | Benthic Organisms | | | | | | | |
| 6.1 | Macrobenthos (No and name of groups present, No and name of species of each group present) | -- | Crustaceans, Gastropods, Molluscans | Polychates, Gastropods, Amphipods | Polychates, Gastropods, Bivalves | Polychaetes, Gastropods, Amphipods, Bivalves | Polychates, Bvalves, Crustaceans | Echinoderm, Oligochaete, Crustaceans, Bivalves |
| 6.2 | MeioBenthos (No and name of groups present, No and name of species of each group present) | -- | Foraminifera ns | Nematodes | Nematodes | Foraminifera ns | Nematodes | Foraminifera ns |
| 6.3 | Population | no/m ² | 409 | 380 | 324 | 411 | 381 | 528 |

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


Authorized Signatory






3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -

Table - Dump Pond Water Quality Analysis Results for the period: April-22 To September-22

| Date | | | May-22 | May-22 | Aug-22 | Aug-22 |
|---------|-------------------------------------|------|--------------------------|-----------------------------|--------------------------|-----------------------------|
| | | | 28/05/2022 | 28/05/2022 | 26/08/2022 | 26/08/2022 |
| Sr. No. | Test Parameters | Unit | Dump Pond Discharge - J3 | Dump Pond Discharge (2)- J8 | Dump Pond Discharge - J3 | Dump Pond Discharge (2)- J8 |
| 1. | pH | -- | 8.67 | 8.7 | 8.65 | 8.85 |
| 2. | Total Dissolved Solids | mg/L | 1809 | 2056 | 1621 | 1768 |
| 3. | Total Suspended Solids | mg/L | 17 | 15 | 15 | 24 |
| 4. | Turbidity | NTU | 3.28 | 2.27 | 3.11 | 2.56 |
| 5. | BOD (3 Days @ 27 °C) | mg/L | 9.7 | 8.4 | 7 | 8 |
| 6. | Dissolved Oxygen | mg/L | 6 | 5.9 | 5 | 6.1 |
| 7. | COD | mg/L | 47 | 41 | 42 | 34 |
| 8. | Salinity | ppt | 0.243 | 0.256 | 0.197 | 0.23 |
| 9. | Oil & Grease | mg/L | Not Detected | Not Detected | Not Detected | Not Detected |
| 10. | Total Hardness as CaCO ₃ | mg/L | 603 | 592 | 549 | 574 |
| 11. | Fluoride as F | mg/L | 0.54 | 0.33 | 0.56 | 0.48 |
| 12. | Chloride as Cl | mg/L | 135 | 142 | 119 | 129 |
| 13. | Zinc as Zn | mg/L | 0.23 | 0.18 | 0.15 | 0.12 |
| 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.


Authorized Signatory






3F. STP TREATED WATER QUALITY ANALYSIS MONITORING: -

TABLE - STP TREATED WATER QUALITY ANALYSIS RESULTS FOR THE PERIOD: APRIL-22 TO SEPTEMBER-22

| SR. NO. | TEST PARAMETERS | UNIT | STP Treated Water Quality Analysis Results | | | | | |
|---------|------------------------|------|--|----------|----------|----------|----------|----------|
| | | | Apr-22 | May-22 | Jun-22 | Jul-22 | Aug-22 | Sep-22 |
| | | | 26/04/22 | 28/05/22 | 30/06/22 | 29/07/22 | 26/08/22 | 14/09/22 |
| 1. | pH | -- | 8.06 | 7.56 | 7.69 | 7.82 | 7.76 | 7.09 |
| 2. | Total Suspended Solids | mg/L | 21 | 29 | 23 | 28 | 24 | 21 |
| 3. | BOD (3 Days @ 27 °C) | mg/L | 14 | 17 | 15 | 18 | 16 | 17 |
| 4. | Residual Free Chlorine | mg/L | 0.8 | 0.8 | 0.7 | 0.6 | 0.5 | 0.7 |
| 5. | Oil & Grease | mg/L | 3.6 | 4.2 | 3.2 | 2.5 | 2.8 | 3.1 |

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


Authorized Signatory





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-22 To September-22

| Sampling Location | 1 - Behind QHSE Office | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| | 01/04/2022 | 02/05/2022 | 01/06/2022 | 01/07/2022 | 01/08/2022 | 01/09/2022 |
| Date of Monitoring | | | | | | |
| 6:00-7:00 | 55.8 | 55.6 | 60.7 | 64.5 | 60.8 | 69.5 |
| 7:00-8:00 | 61.0 | 60.5 | 63.7 | 66.1 | 63.5 | 62.1 |
| 8:00-9:00 | 62.1 | 63.6 | 66.9 | 70.4 | 59.1 | 68.8 |
| 9:00-10:00 | 52.4 | 62.8 | 65.2 | 69.8 | 66.4 | 69.8 |
| 10:00-11:00 | 62.2 | 65.6 | 61.4 | 65.2 | 69.2 | 65.2 |
| 11:00-12:00 | 55.0 | 61.3 | 58.9 | 63.5 | 65.3 | 63.5 |
| 12:00-13:00 | 54.2 | 60.6 | 64.6 | 58.7 | 62.1 | 58.7 |
| 13:00-14:00 | 46.3 | 55.7 | 60.5 | 64.2 | 61.4 | 64.2 |
| 14:00-15:00 | 65.1 | 58.9 | 62.5 | 66.8 | 54.5 | 66.8 |
| 15:00-16:00 | 59.5 | 63.7 | 67.8 | 71.4 | 67.3 | 71.4 |
| 16:00-17:00 | 58.3 | 67.8 | 70.4 | 73.2 | 70.5 | 73.2 |
| 17:00-18:00 | 60.9 | 71.3 | 68.5 | 65.1 | 66.8 | 65.1 |
| 18:00-19:00 | 50.8 | 62.4 | 65.6 | 61.6 | 59.5 | 61.6 |
| 19:00-20:00 | 45.8 | 70.2 | 66.7 | 71.2 | 73.6 | 71.2 |
| 20:00-21:00 | 57.1 | 66.7 | 71.5 | 68.7 | 69.5 | 68.7 |
| 21:00-22:00 | 51.7 | 62.5 | 59.5 | 63.6 | 64.3 | 63.6 |

| Sampling Location | 1 - Behind QHSE Office | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| | 01/04/2022 & 02/04/2022 | 02/05/2022 & 03/05/2022 | 01/06/2022 & 02/06/2022 | 01/07/2022 & 02/07/2022 | 01/08/2022 & 02/08/2022 | 01/09/2022 & 02/09/2022 |
| Date of Monitoring | | | | | | |
| 22:00-23:00 | 54.9 | 56.7 | 54.2 | 56.9 | 60.2 | 52.5 |
| 23:00-00:00 | 51.9 | 50.1 | 56.3 | 60.4 | 47.8 | 57.6 |
| 00:00-01:00 | 55.3 | 54.3 | 59.7 | 55.1 | 51.4 | 51.4 |
| 01:00-02:00 | 56.2 | 59.1 | 62.5 | 58.6 | 55.1 | 53.3 |
| 02:00-03:00 | 48.6 | 52.8 | 56.8 | 54.1 | 52.3 | 50.5 |
| 03:00-04:00 | 43.2 | 56.3 | 60.2 | 64.3 | 50.4 | 61.2 |
| 04:00-05:00 | 47.1 | 50.2 | 54.6 | 51.6 | 48.9 | 47.5 |
| 05:00-06:00 | 45.5 | 58.9 | 63.4 | 60.5 | 61.3 | 58.9 |

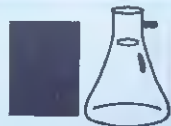
[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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

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

Authorized Signatory





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-22 To September-22

| Sampling Location | 2 - PMC Office Back Side | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 02/04/2022 | 03/05/2022 | 02/06/2022 | 02/07/2022 | 02/08/2022 | 02/09/2022 |
| 6:00-7:00 | 47.7 | 52.4 | 55.6 | 60.2 | 56.1 | 60.2 |
| 7:00-8:00 | 51.8 | 55.2 | 51.4 | 56.3 | 52.4 | 56.3 |
| 8:00-9:00 | 60.3 | 63.7 | 68.6 | 64.1 | 68.4 | 64.1 |
| 9:00-10:00 | 49.4 | 62.1 | 57.2 | 62.5 | 60.2 | 62.5 |
| 10:00-11:00 | 50.8 | 61.4 | 66.7 | 64.3 | 65.6 | 64.3 |
| 11:00-12:00 | 48.2 | 53.8 | 55.2 | 60.2 | 57.3 | 60.2 |
| 12:00-13:00 | 56.2 | 58.5 | 61.3 | 66.8 | 60.4 | 66.8 |
| 13:00-14:00 | 53.9 | 64.4 | 67.8 | 62.3 | 68.3 | 61.6 |
| 14:00-15:00 | 64.6 | 62.2 | 64.6 | 60.4 | 65.1 | 57.7 |
| 15:00-16:00 | 56.3 | 68.9 | 71.5 | 67.3 | 70.3 | 69.5 |
| 16:00-17:00 | 56.9 | 69.7 | 64.3 | 60.2 | 65.4 | 55.4 |
| 17:00-18:00 | 53.7 | 67.7 | 62.2 | 65.9 | 69.5 | 61.3 |
| 18:00-19:00 | 54.2 | 64.2 | 69.5 | 64.3 | 62.1 | 66.8 |
| 19:00-20:00 | 60.9 | 58.9 | 62.4 | 66.4 | 61.5 | 68.3 |
| 20:00-21:00 | 44.0 | 61.2 | 65.3 | 60.4 | 65.8 | 56.2 |
| 21:00-22:00 | 60.2 | 58.6 | 56.2 | 54.2 | 62.6 | 58.9 |

| Sampling Location | 2 - PMC Office Back Side | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 02/04/2022 & 03/04/2022 | 03/05/2022 & 04/05/2022 | 02/06/2022 & 03/06/2022 | 02/07/2022 & 03/07/2022 | 02/08/2022 & 03/08/2022 | 02/09/2022 & 03/09/2022 |
| 22:00-23:00 | 51.5 | 52.2 | 56.1 | 51.2 | 58.7 | 49.5 |
| 23:00-00:00 | 44.9 | 53.6 | 58.9 | 54.3 | 55.4 | 51.2 |
| 00:00-01:00 | 58.5 | 50.4 | 54.2 | 50.5 | 48.5 | 48.9 |
| 01:00-02:00 | 54.7 | 51.4 | 57.8 | 59.7 | 49.2 | 56.4 |
| 02:00-03:00 | 54.8 | 48.9 | 52.4 | 56.3 | 45.8 | 47.9 |
| 03:00-04:00 | 50.3 | 52.4 | 58.7 | 61.4 | 55.3 | 58.6 |
| 04:00-05:00 | 46.2 | 58.9 | 66.8 | 64.5 | 54.1 | 60.2 |
| 05:00-06:00 | 43.4 | 51.3 | 64.1 | 59.4 | 49.8 | 54.3 |

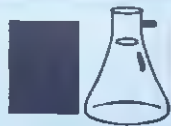
[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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.

Authorized Signatory





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-22 To September-22

| Sampling Location | 3 - Sub Station - 6 Back Side | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 04/04/2022 | 04/05/2022 | 03/06/2022 | 04/07/2022 | 03/08/2022 | 03/09/2022 |
| 6:00-7:00 | 45.6 | 51.4 | 56.3 | 61.5 | 54.5 | 66.3 |
| 7:00-8:00 | 45.0 | 54.6 | 58.7 | 65.4 | 60.6 | 64.4 |
| 8:00-9:00 | 58.0 | 57.6 | 62.2 | 59.6 | 62.4 | 54.1 |
| 9:00-10:00 | 52.0 | 61.8 | 58.4 | 55.4 | 65.7 | 59.7 |
| 10:00-11:00 | 44.3 | 53.2 | 56.1 | 51.1 | 56.2 | 53.4 |
| 11:00-12:00 | 52.4 | 53.7 | 56.7 | 61.3 | 59.8 | 66.7 |
| 12:00-13:00 | 48.2 | 59.1 | 63.7 | 66.9 | 69.4 | 62.5 |
| 13:00-14:00 | 41.3 | 72.6 | 69.5 | 64.5 | 70.1 | 60.6 |
| 14:00-15:00 | 44.9 | 64.3 | 70.4 | 66.2 | 68.2 | 69.5 |
| 15:00-16:00 | 54.9 | 60.7 | 64.3 | 61.4 | 61.5 | 59.4 |
| 16:00-17:00 | 48.7 | 63.6 | 60.2 | 55.8 | 66.3 | 60.2 |
| 17:00-18:00 | 49.5 | 68.4 | 65.3 | 70.2 | 68.0 | 73.5 |
| 18:00-19:00 | 51.4 | 50.1 | 56.2 | 52.2 | 55.6 | 54.3 |
| 19:00-20:00 | 56.8 | 54.3 | 52.2 | 58.7 | 57.5 | 61.7 |
| 20:00-21:00 | 59.3 | 47.3 | 52.8 | 55.1 | 51.4 | 52.8 |
| 21:00-22:00 | 48.3 | 56.3 | 60.4 | 65.4 | 59.4 | 67.3 |

| Sampling Location | 3 - Sub Station - 6 Back Side | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 04/04/2022 & 05/04/2022 | 04/05/2022 & 05/05/2022 | 03/06/2022 & 04/06/2022 | 04/07/2022 & 05/07/2022 | 03/08/2022 & 04/08/2022 | 03/09/2022 & 04/09/2022 |
| 22:00-23:00 | 47.6 | 56.8 | 58.3 | 62.2 | 49.3 | 58.7 |
| 23:00-00:00 | 52.8 | 68.9 | 61.3 | 66.5 | 57.2 | 61.3 |
| 00:00-01:00 | 55.4 | 51.2 | 62.4 | 66.9 | 54.1 | 60.2 |
| 01:00-02:00 | 49.5 | 50.3 | 59.8 | 56.4 | 52.8 | 51.1 |
| 02:00-03:00 | 43.1 | 48.9 | 51.1 | 58.4 | 50.4 | 52.6 |
| 03:00-04:00 | 48.7 | 58.8 | 49.7 | 52.1 | 57.6 | 47.7 |
| 04:00-05:00 | 45.3 | 52.3 | 52.3 | 57.0 | 58.8 | 50.8 |
| 05:00-06:00 | 51.4 | 56.9 | 63.4 | 66.4 | 57.3 | 61.7 |

[#]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.

Authorized Signatory





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-22 To September-22

| Sampling Location | 4 -Sub Station - 8 (Marine Building) | | | | | |
|-------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| | Date of Monitoring | 05/04/2022 | 05/05/2022 | 04/06/2022 | 05/07/2022 | 04/08/2022 |
| 6:00-7:00 | 42.8 | 58.9 | 63.4 | 66.6 | 62.5 | 61.4 |
| 7:00-8:00 | 65.7 | 55.1 | 51.2 | 56.2 | 59.6 | 58.2 |
| 8:00-9:00 | 52.1 | 66.8 | 70.5 | 67.3 | 67.4 | 71.7 |
| 9:00-10:00 | 60.3 | 60.2 | 58.3 | 65.4 | 63.6 | 60.3 |
| 10:00-11:00 | 65.9 | 63.3 | 66.7 | 70.2 | 64.2 | 67.4 |
| 11:00-12:00 | 54.8 | 54.2 | 58.5 | 54.3 | 56.4 | 52.3 |
| 12:00-13:00 | 62.9 | 49.4 | 52.4 | 56.1 | 52.4 | 60.6 |
| 13:00-14:00 | 54.2 | 59.8 | 63.6 | 66.9 | 62.6 | 70.5 |
| 14:00-15:00 | 54.3 | 45.3 | 51.3 | 55.2 | 48.6 | 51.6 |
| 15:00-16:00 | 49.3 | 63.8 | 61.1 | 66.8 | 65.4 | 69.2 |
| 16:00-17:00 | 44.3 | 59.7 | 64.5 | 69.1 | 63.5 | 65.3 |
| 17:00-18:00 | 43.3 | 47.5 | 53.6 | 56.2 | 51.4 | 58.8 |
| 18:00-19:00 | 64.9 | 56.3 | 61.2 | 65.4 | 60.7 | 62.1 |
| 19:00-20:00 | 49.7 | 60.4 | 65.5 | 70.2 | 64.5 | 65.2 |
| 20:00-21:00 | 61.3 | 56.2 | 52.2 | 59.6 | 61.2 | 56.8 |
| 21:00-22:00 | 43.4 | 49.7 | 54.7 | 60.3 | 52.5 | 57.5 |

| Sampling Location | 4 -Sub Station - 8 (Marine Building) | | | | | | |
|-------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------|
| | During Night Time - dB(A)Leq [#] | | | | | | |
| | 05/04/2022 & 06/04/2022 | 05/05/2022 & 06/05/2022 | 04/06/2022 & 05/06/2022 | 05/07/2022 & 06/07/2022 | 04/08/2022 & 05/08/2022 | 05/09/2022 & 06/09/2022 | |
| | 22:00-23:00 | 42.2 | 45.8 | 53.6 | 58.4 | 50.1 | 52.2 |
| | 23:00-00:00 | 50.0 | 56.1 | 56.8 | 60.6 | 52.4 | 54.3 |
| | 00:00-01:00 | 54.6 | 62.3 | 63.7 | 59.1 | 59.8 | 54.6 |
| | 01:00-02:00 | 36.7 | 45.2 | 53.6 | 57.8 | 49.5 | 53.8 |
| | 02:00-03:00 | 44.4 | 54.8 | 65.8 | 61.3 | 58.7 | 59.7 |
| | 03:00-04:00 | 42.6 | 58.9 | 58.4 | 60.6 | 60.2 | 62.4 |
| | 04:00-05:00 | 51.2 | 50.4 | 50.3 | 55.3 | 53.3 | 51.3 |
| | 05:00-06:00 | 42.1 | 46.3 | 56.0 | 60.5 | 50.6 | 55.7 |

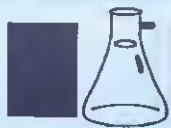
[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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.

Authorized Signatory





Tables - 5 - Near Sub Station-7B Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-22 To September-22

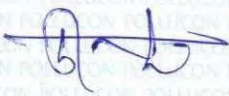
| Sampling Location | 5 - Near Sub Station-7B | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 06/04/2022 | 06/05/2022 | 06/06/2022 | 06/07/2022 | 05/08/2022 | 06/09/2022 |
| 6:00-7:00 | 56.1 | 56.3 | 59.5 | 64.6 | 63.8 | 67.5 |
| 7:00-8:00 | 41.1 | 65.4 | 61.3 | 68.4 | 61.2 | 69.6 |
| 8:00-9:00 | 41.4 | 62.5 | 66.7 | 70.1 | 66.7 | 68.4 |
| 9:00-10:00 | 44.2 | 58.4 | 64.2 | 71.5 | 55.4 | 67.6 |
| 10:00-11:00 | 55.2 | 49.3 | 52.4 | 56.2 | 53.2 | 52.4 |
| 11:00-12:00 | 50.9 | 57.6 | 63.6 | 66.8 | 62.1 | 63.6 |
| 12:00-13:00 | 48.0 | 56.1 | 59.2 | 62.5 | 52.2 | 58.2 |
| 13:00-14:00 | 45.4 | 71.4 | 69.5 | 62.6 | 68.1 | 66.1 |
| 14:00-15:00 | 44.0 | 67.9 | 72.4 | 67.5 | 72.5 | 60.3 |
| 15:00-16:00 | 56.9 | 53.4 | 57.1 | 62.4 | 59.8 | 67.0 |
| 16:00-17:00 | 51.5 | 51.2 | 55.5 | 60.3 | 56.3 | 54.1 |
| 17:00-18:00 | 56.4 | 56.8 | 62.6 | 66.3 | 60.2 | 61.2 |
| 18:00-19:00 | 49.7 | 50.4 | 55.4 | 61.5 | 51.4 | 63.3 |
| 19:00-20:00 | 50.1 | 65.3 | 70.3 | 67.8 | 62.0 | 64.8 |
| 20:00-21:00 | 52.5 | 54.1 | 60.2 | 63.7 | 59.6 | 68.2 |
| 21:00-22:00 | 49.9 | 51.6 | 56.4 | 62.4 | 54.3 | 57.5 |

| Sampling Location | 5 - Near Sub Station-7B | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 06/04/2022 & 07/04/2022 | 06/05/2022 & 07/05/2022 | 06/06/2022 & 07/06/2022 | 06/07/2022 & 07/07/2022 | 05/08/2022 & 06/08/2022 | 06/09/2022 & 07/09/2022 |
| 22:00-23:00 | 47.4 | 43.2 | 45.2 | 49.7 | 46.6 | 45.2 |
| 23:00-00:00 | 46.0 | 49.8 | 59.4 | 56.1 | 48.4 | 50.8 |
| 00:00-01:00 | 45.6 | 42.1 | 52.4 | 50.5 | 45.3 | 45.5 |
| 01:00-02:00 | 45.1 | 44.8 | 56.3 | 60.3 | 51.6 | 54.9 |
| 02:00-03:00 | 42.7 | 61.3 | 64.1 | 61.2 | 59.8 | 56.4 |
| 03:00-04:00 | 40.6 | 51.7 | 60.7 | 65.9 | 54.3 | 59.7 |
| 04:00-05:00 | 42.6 | 47.3 | 48.3 | 52.2 | 51.5 | 45.5 |
| 05:00-06:00 | 40.0 | 55.2 | 58.5 | 61.4 | 56.8 | 63.6 |

[#]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.


Authorized Signatory





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-22 To September-22

| Sampling Location | 6 - JS - 1 (Nr. Lakhigam) | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 07/04/2022 | 07/05/2022 | 07/06/2022 | 07/07/2022 | 06/08/2022 | 07/09/2022 |
| 6:00-7:00 | 42.4 | 67.9 | 72.5 | 67.5 | 70.2 | 72.6 |
| 7:00-8:00 | 44.8 | 50.4 | 54.3 | 61.8 | 54.6 | 57.1 |
| 8:00-9:00 | 46.5 | 68.9 | 65.5 | 69.4 | 71.4 | 65.3 |
| 9:00-10:00 | 50.4 | 54.3 | 58.7 | 61.5 | 52.2 | 68.5 |
| 10:00-11:00 | 53.1 | 58.4 | 62.2 | 66.3 | 61.6 | 63.2 |
| 11:00-12:00 | 58.4 | 50.3 | 54.3 | 64.6 | 54.5 | 67.1 |
| 12:00-13:00 | 54.8 | 64.3 | 67.4 | 68.3 | 69.7 | 70.5 |
| 13:00-14:00 | 48.2 | 69.5 | 72.4 | 67.4 | 73.5 | 64.8 |
| 14:00-15:00 | 55.2 | 56.3 | 60.3 | 54.2 | 57.8 | 52.7 |
| 15:00-16:00 | 51.7 | 55.7 | 61.2 | 66.7 | 61.2 | 68.3 |
| 16:00-17:00 | 53.5 | 61.9 | 66.7 | 71.4 | 66.7 | 66.4 |
| 17:00-18:00 | 50.5 | 51.2 | 56.2 | 61.5 | 56.2 | 63.1 |
| 18:00-19:00 | 49.5 | 62.4 | 64.3 | 60.6 | 67.0 | 57.5 |
| 19:00-20:00 | 48.7 | 59.8 | 63.8 | 68.2 | 55.4 | 65.8 |
| 20:00-21:00 | 45.1 | 50.2 | 54.1 | 51.5 | 57.2 | 56.4 |
| 21:00-22:00 | 43.9 | 53.0 | 56.9 | 64.0 | 58.1 | 62.2 |

| Sampling Location | 6 - JS - 1 (Nr. Lakhigam) | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 07/04/2022 & 08/04/2022 | 07/05/2022 & 08/05/2022 | 07/06/2022 & 08/06/2022 | 07/07/2022 & 08/07/2022 | 06/08/2022 & 07/08/2022 | 07/09/2022 & 08/09/2022 |
| 22:00-23:00 | 49.9 | 61.5 | 66.9 | 62.2 | 58.5 | 65.4 |
| 23:00-00:00 | 39.9 | 55.3 | 61.2 | 66.4 | 53.3 | 60.6 |
| 00:00-01:00 | 44.7 | 46.6 | 50.4 | 54.1 | 49.8 | 49.3 |
| 01:00-02:00 | 42.9 | 51.5 | 56.4 | 60.5 | 57.6 | 52.7 |
| 02:00-03:00 | 52.4 | 50.8 | 46.7 | 51.6 | 55.3 | 47.6 |
| 03:00-04:00 | 49.3 | 59.7 | 62.2 | 65.2 | 56.6 | 61.4 |
| 04:00-05:00 | 43.1 | 46.3 | 56.4 | 61.3 | 50.5 | 55.6 |
| 05:00-06:00 | 39.1 | 56.1 | 66.8 | 63.8 | 53.4 | 60.5 |

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

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

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

Authorized Signatory





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-22 To September-22

| Sampling Location | 7 - Behind S.S. - 11 (Silo) | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 08/04/2022 | 09/05/2022 | 08/06/2022 | 08/07/2022 | 08/08/2022 | 08/09/2022 |
| 6:00-7:00 | 44.5 | 57.7 | 62.4 | 57.3 | 62.5 | 61.5 |
| 7:00-8:00 | 46.4 | 62.3 | 67.8 | 72.4 | 57.2 | 69.8 |
| 8:00-9:00 | 47.7 | 63.8 | 69.9 | 66.5 | 66.8 | 62.7 |
| 9:00-10:00 | 49.8 | 50.1 | 55.4 | 61.3 | 53.4 | 58.5 |
| 10:00-11:00 | 50.5 | 64.4 | 68.7 | 71.5 | 66.5 | 68.4 |
| 11:00-12:00 | 57.8 | 54.2 | 60.2 | 55.5 | 56.2 | 59.6 |
| 12:00-13:00 | 55.5 | 66.8 | 70.5 | 64.2 | 70.4 | 61.3 |
| 13:00-14:00 | 50.4 | 68.9 | 72.8 | 69.8 | 72.3 | 67.4 |
| 14:00-15:00 | 56.4 | 57.3 | 62.2 | 66.3 | 60.1 | 70.5 |
| 15:00-16:00 | 53.2 | 59.7 | 54.3 | 61.2 | 63.5 | 56.2 |
| 16:00-17:00 | 57.6 | 71.2 | 68.7 | 70.5 | 68.9 | 68.3 |
| 17:00-18:00 | 53.8 | 52.6 | 56.2 | 63.6 | 55.4 | 69.6 |
| 18:00-19:00 | 54.4 | 55.3 | 60.1 | 54.2 | 60.2 | 51.6 |
| 19:00-20:00 | 48.9 | 51.2 | 56.5 | 61.5 | 56.2 | 66.7 |
| 20:00-21:00 | 50.3 | 56.8 | 61.4 | 66.3 | 62.5 | 61.0 |
| 21:00-22:00 | 48.8 | 62.4 | 67.1 | 72.5 | 66.4 | 67.3 |

| Sampling Location | 7 - Behind S.S. - 11 (Silo) | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 08/04/2022 & 09/04/2022 | 09/05/2022 & 10/05/2022 | 08/06/2022 & 09/06/2022 | 08/07/2022 & 09/07/2022 | 08/08/2022 & 09/08/2022 | 08/09/2022 & 09/09/2022 |
| 22:00-23:00 | 48.5 | 56.3 | 60.5 | 57.8 | 52.4 | 51.1 |
| 23:00-00:00 | 47.7 | 52.7 | 56.1 | 60.5 | 57.5 | 54.2 |
| 00:00-01:00 | 43.4 | 58.9 | 62.3 | 67.3 | 60.6 | 62.3 |
| 01:00-02:00 | 46.5 | 62.3 | 66.7 | 62.4 | 58.9 | 57.4 |
| 02:00-03:00 | 48.2 | 52.2 | 56.8 | 59.6 | 57.2 | 55.8 |
| 03:00-04:00 | 42.4 | 55.3 | 60.4 | 55.3 | 55.0 | 48.9 |
| 04:00-05:00 | 47.4 | 66.4 | 63.2 | 66.4 | 63.1 | 58.2 |
| 05:00-06:00 | 45.4 | 47.8 | 44.1 | 49.7 | 49.6 | 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.

Authorized Signatory





Tables - 8 -Nr. S&S Entry Gate (Dahej Road) & Silo Loading Point Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-22 To September-22

| Sampling Location | 8 - Silo Loading Point | | | | | |
|-------------------|--|------------|------------|------------|------------|------------|
| | During Day Time - dB(A) Leq [#] | | | | | |
| | Date of Monitoring | 09/04/2022 | 10/05/2022 | 09/06/2022 | 09/07/2022 | 09/08/2022 |
| 6:00-7:00 | 56.0 | 54.3 | 61.5 | 65.4 | 52.4 | 68.7 |
| 7:00-8:00 | 41.7 | 49.8 | 54.6 | 59.1 | 53.2 | 63.2 |
| 8:00-9:00 | 44.2 | 66.3 | 70.4 | 67.3 | 69.3 | 63.1 |
| 9:00-10:00 | 57.8 | 53.3 | 56.4 | 60.1 | 57.4 | 55.2 |
| 10:00-11:00 | 62.3 | 56.8 | 61.2 | 66.6 | 56.2 | 61.3 |
| 11:00-12:00 | 59.1 | 65.4 | 68.9 | 70.4 | 65.1 | 68.7 |
| 12:00-13:00 | 61.4 | 45.5 | 51.8 | 56.3 | 50.5 | 52.3 |
| 13:00-14:00 | 62.4 | 62.4 | 66.7 | 69.8 | 67.3 | 64.7 |
| 14:00-15:00 | 65.6 | 52.8 | 56.2 | 60.1 | 57.8 | 63.6 |
| 15:00-16:00 | 59.3 | 56.7 | 61.3 | 66.7 | 61.3 | 70.4 |
| 16:00-17:00 | 64.3 | 59.4 | 65.1 | 67.8 | 62.2 | 62.5 |
| 17:00-18:00 | 74.0 | 50.2 | 54.2 | 59.5 | 47.3 | 55.2 |
| 18:00-19:00 | 60.3 | 54.2 | 61.3 | 66.5 | 58.5 | 63.6 |
| 19:00-20:00 | 44.8 | 64.3 | 69.5 | 73.4 | 69.6 | 69.1 |
| 20:00-21:00 | 42.7 | 60.1 | 65.4 | 61.5 | 55.8 | 57.4 |
| 21:00-22:00 | 60.1 | 67.8 | 72.9 | 67.4 | 64.5 | 69.2 |

| Sampling Location | 8 - Silo Loading Point | | | | | | |
|-------------------|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|------|
| | During Night Time - dB(A) Leq [#] | | | | | | |
| | 09/04/2022 & 10/04/2022 | 10/05/2022 & 11/05/2022 | 09/06/2022 & 10/06/2022 | 09/07/2022 & 10/07/2022 | 09/08/2022 & 10/08/2022 | 09/09/2022 & 10/09/2022 | |
| | 22:00-23:00 | 48.1 | 54.2 | 59.8 | 62.4 | 56.6 | 57.5 |
| | 23:00-00:00 | 50.7 | 47.1 | 52.6 | 55.6 | 52.1 | 52.4 |
| | 00:00-01:00 | 47.4 | 51.0 | 56.3 | 60.1 | 58.8 | 53.0 |
| | 01:00-02:00 | 54.3 | 42.9 | 46.7 | 50.2 | 46.5 | 59.8 |
| | 02:00-03:00 | 46.8 | 53.6 | 56.9 | 63.3 | 58.4 | 58.6 |
| | 03:00-04:00 | 54.1 | 49.8 | 54.2 | 61.5 | 53.2 | 56.2 |
| | 04:00-05:00 | 41.0 | 61.2 | 58.3 | 54.2 | 58.7 | 49.8 |
| | 05:00-06:00 | 46.5 | 51.9 | 56.4 | 61.8 | 54.5 | 64.7 |

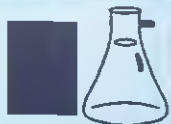
[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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.

Authorized Signatory





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-22 To September-22

| Sampling Location | 9 - GCPTL Gate | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 11/04/2022 | 11/05/2022 | 10/06/2022 | 11/07/2022 | 10/08/2022 | 10/09/2022 |
| 6:00-7:00 | 43.7 | 72.5 | 68.7 | 63.1 | 68.9 | 60.3 |
| 7:00-8:00 | 46.6 | 57.9 | 62.5 | 67.0 | 61.4 | 66.1 |
| 8:00-9:00 | 45.9 | 64.2 | 66.8 | 70.5 | 66.5 | 72.2 |
| 9:00-10:00 | 46.9 | 66.0 | 62.3 | 59.8 | 70.4 | 56.1 |
| 10:00-11:00 | 54.3 | 59.2 | 63.4 | 65.3 | 62.7 | 63.6 |
| 11:00-12:00 | 52.2 | 54.1 | 60.5 | 64.1 | 50.4 | 61.1 |
| 12:00-13:00 | 41.3 | 62.3 | 59.8 | 55.6 | 67.8 | 52.4 |
| 13:00-14:00 | 54.1 | 55.7 | 61.2 | 65.2 | 58.5 | 68.6 |
| 14:00-15:00 | 72.2 | 50.2 | 53.2 | 56.1 | 53.6 | 52.5 |
| 15:00-16:00 | 56.1 | 60.1 | 62.5 | 59.7 | 65.4 | 54.6 |
| 16:00-17:00 | 55.3 | 66.4 | 61.5 | 66.3 | 69.8 | 69.4 |
| 17:00-18:00 | 45.7 | 63.9 | 69.8 | 71.4 | 60.2 | 68.2 |
| 18:00-19:00 | 58.3 | 50.1 | 54.2 | 56.2 | 54.8 | 54.1 |
| 19:00-20:00 | 52.1 | 60.4 | 54.3 | 58.9 | 57.0 | 61.5 |
| 20:00-21:00 | 54.8 | 63.8 | 67.4 | 70.6 | 66.5 | 71.3 |
| 21:00-22:00 | 58.0 | 50.6 | 52.5 | 56.1 | 53.4 | 56.1 |

| Sampling Location | 9 - GCPTL Gate | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 11/04/2022 & 12/04/2022 | 11/05/2022 & 12/05/2022 | 10/06/2022 & 11/06/2022 | 11/07/2022 & 12/07/2022 | 10/08/2022 & 11/08/2022 | 10/09/2022 & 11/09/2022 |
| 22:00-23:00 | 45.5 | 58.4 | 62.4 | 66.4 | 53.2 | 61.7 |
| 23:00-00:00 | 49.7 | 55.3 | 51.3 | 56.1 | 50.6 | 51.5 |
| 00:00-01:00 | 50.1 | 45.4 | 50.2 | 62.3 | 49.8 | 56.4 |
| 01:00-02:00 | 43.7 | 51.3 | 56.1 | 61.5 | 55.7 | 58.9 |
| 02:00-03:00 | 48.5 | 59.6 | 54.3 | 60.5 | 63.2 | 57.4 |
| 03:00-04:00 | 44.2 | 61.3 | 59.8 | 55.4 | 60.3 | 53.2 |
| 04:00-05:00 | 40.6 | 59.8 | 53.2 | 59.8 | 64.5 | 54.1 |
| 05:00-06:00 | 52.7 | 56.3 | 51.5 | 56.4 | 51.7 | 50.5 |

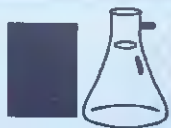
[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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

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

Authorized Signatory





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-22 To September-22

| Sampling Location | 10 - Lakhi Village (Primary School) | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 12/04/2022 | 12/05/2022 | 11/06/2022 | 12/07/2022 | 11/08/2022 | 12/09/2022 |
| 6:00-7:00 | 49.8 | 58.7 | 50.1 | 58.7 | 50.9 | 54.1 |
| 7:00-8:00 | 58.1 | 66.2 | 54.6 | 66.5 | 52.3 | 63.2 |
| 8:00-9:00 | 66.6 | 67.8 | 53.5 | 70.3 | 49.7 | 68.4 |
| 9:00-10:00 | 63.2 | 51.4 | 50.2 | 60.4 | 51.7 | 63.6 |
| 10:00-11:00 | 61.4 | 62.5 | 47.2 | 63.2 | 49.8 | 59.8 |
| 11:00-12:00 | 55.8 | 56.3 | 46.3 | 58.4 | 52.9 | 52.0 |
| 12:00-13:00 | 54.1 | 52.4 | 41.2 | 61.5 | 54.1 | 57.4 |
| 13:00-14:00 | 64.1 | 61.2 | 45.2 | 62.6 | 52.7 | 65.1 |
| 14:00-15:00 | 55.7 | 65.3 | 49.6 | 67.9 | 50.9 | 61.3 |
| 15:00-16:00 | 48.8 | 46.8 | 52.2 | 54.3 | 51.7 | 56.4 |
| 16:00-17:00 | 50.2 | 62.4 | 53.6 | 62.1 | 54.2 | 66.5 |
| 17:00-18:00 | 62.4 | 57.5 | 54.2 | 59.8 | 51.3 | 64.2 |
| 18:00-19:00 | 55.9 | 58.9 | 47.7 | 65.4 | 52.9 | 68.3 |
| 19:00-20:00 | 68.6 | 63.1 | 54.4 | 67.3 | 51.2 | 64.2 |
| 20:00-21:00 | 63.0 | 66.3 | 52.6 | 69.5 | 50.2 | 67.6 |
| 21:00-22:00 | 53.0 | 60.9 | 48.9 | 56.0 | 49.3 | 60.2 |

| Sampling Location | 10 - Lakhi Village (Primary School) | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 12/04/2022 & 13/04/2022 | 12/05/2022 & 13/05/2022 | 11/06/2022 & 12/06/2022 | 12/07/2022 & 13/07/2022 | 11/08/2022 & 12/08/2022 | 12/09/2022 & 13/09/2022 |
| 22:00-23:00 | 44.2 | 63.7 | 40.5 | 61.6 | 44.1 | 49.8 |
| 23:00-00:00 | 51.1 | 51.3 | 41.9 | 50.8 | 42.7 | 45.5 |
| 00:00-01:00 | 63.0 | 66.9 | 44.2 | 66.8 | 41.4 | 60.0 |
| 01:00-02:00 | 34.8 | 52.4 | 42.5 | 52.6 | 42.6 | 48.3 |
| 02:00-03:00 | 39.7 | 61.3 | 43.7 | 61.4 | 40.8 | 54.4 |
| 03:00-04:00 | 43.5 | 59.7 | 40.3 | 56.2 | 42.8 | 51.5 |
| 04:00-05:00 | 48.2 | 49.3 | 41.3 | 49.7 | 41.1 | 44.3 |
| 05:00-06:00 | 52.2 | 60.5 | 42.4 | 59.4 | 44.2 | 53.2 |

[#]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.

Authorized Signatory





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-22 To September-22

| Sampling Location | 11 - ERMS Workshop | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 13/04/2022 | 13/05/2022 | 13/06/2022 | 13/07/2022 | 12/08/2022 | 13/09/2022 |
| 6:00-7:00 | 46.2 | 52.8 | 57.8 | 62.2 | 57.4 | 65.9 |
| 7:00-8:00 | 47.5 | 63.6 | 66.8 | 70.4 | 66.1 | 67.2 |
| 8:00-9:00 | 50.6 | 50.8 | 54.2 | 56.1 | 53.3 | 60.5 |
| 9:00-10:00 | 52.2 | 52.7 | 56.3 | 60.2 | 56.4 | 55.1 |
| 10:00-11:00 | 56.3 | 58.6 | 62.4 | 65.8 | 60.2 | 61.3 |
| 11:00-12:00 | 55.6 | 54.3 | 60.5 | 54.1 | 57.8 | 52.2 |
| 12:00-13:00 | 63.1 | 56.1 | 62.8 | 66.3 | 51.6 | 60.4 |
| 13:00-14:00 | 63.8 | 56.3 | 61.1 | 68.9 | 60.4 | 73.2 |
| 14:00-15:00 | 67.7 | 48.9 | 52.6 | 57.2 | 50.4 | 52.8 |
| 15:00-16:00 | 64.0 | 51.5 | 56.1 | 54.3 | 54.3 | 59.6 |
| 16:00-17:00 | 69.3 | 60.8 | 65.7 | 69.5 | 63.8 | 63.3 |
| 17:00-18:00 | 70.3 | 57.3 | 60.5 | 64.3 | 55.4 | 59.5 |
| 18:00-19:00 | 67.8 | 51.4 | 56.4 | 60.8 | 56.3 | 54.1 |
| 19:00-20:00 | 66.7 | 49.9 | 54.2 | 59.4 | 52.4 | 53.8 |
| 20:00-21:00 | 65.6 | 51.1 | 56.6 | 61.9 | 57.8 | 59.7 |
| 21:00-22:00 | 63.7 | 54.7 | 60.2 | 57.4 | 57.9 | 52.1 |

| Sampling Location | 11 - ERMS Workshop | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 13/04/2022 & 14/04/2022 | 13/05/2022 & 14/05/2022 | 13/06/2022 & 14/06/2022 | 13/07/2022 & 14/07/2022 | 12/08/2022 & 13/08/2022 | 13/09/2022 & 14/09/2022 |
| 22:00-23:00 | 63.4 | 51.4 | 48.5 | 52.2 | 54.0 | 47.7 |
| 23:00-00:00 | 59.3 | 46.3 | 51.3 | 56.4 | 47.5 | 59.8 |
| 00:00-01:00 | 57.8 | 59.7 | 55.4 | 59.8 | 63.7 | 63.5 |
| 01:00-02:00 | 62.0 | 45.5 | 50.6 | 54.2 | 49.6 | 51.6 |
| 02:00-03:00 | 52.6 | 61.2 | 65.8 | 61.4 | 63.3 | 64.6 |
| 03:00-04:00 | 54.2 | 54.0 | 59.7 | 55.1 | 59.4 | 59.7 |
| 04:00-05:00 | 47.3 | 46.3 | 50.3 | 52.4 | 50.2 | 46.2 |
| 05:00-06:00 | 46.4 | 54.8 | 61.4 | 63.9 | 51.7 | 58.5 |

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

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

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

Authorized Signatory





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-22 To September-22

| Sampling Location | 12 - Behind Pump House | | | | | |
|-------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| | Date of Monitoring | 14/04/2022 | 14/05/2022 | 14/06/2022 | 14/07/2022 | 13/08/2022 |
| 6:00-7:00 | 44.1 | 53.4 | 57.8 | 64.4 | 58.9 | 68.5 |
| 7:00-8:00 | 47.1 | 64.8 | 69.2 | 67.3 | 66.5 | 70.6 |
| 8:00-9:00 | 49.9 | 56.2 | 61.1 | 64.5 | 62.1 | 66.2 |
| 9:00-10:00 | 51.4 | 63.3 | 69.7 | 66.1 | 68.7 | 71.4 |
| 10:00-11:00 | 55.1 | 54.4 | 61.5 | 66.3 | 61.2 | 61.5 |
| 11:00-12:00 | 58.8 | 59.0 | 62.4 | 68.9 | 66.9 | 63.8 |
| 12:00-13:00 | 59.0 | 49.7 | 53.6 | 56.1 | 47.1 | 62.8 |
| 13:00-14:00 | 62.8 | 61.1 | 66.9 | 62.2 | 65.8 | 54.2 |
| 14:00-15:00 | 64.4 | 58.5 | 62.7 | 65.1 | 63.6 | 69.6 |
| 15:00-16:00 | 69.2 | 57.3 | 54.1 | 59.7 | 54.5 | 62.5 |
| 16:00-17:00 | 69.5 | 52.8 | 60.5 | 63.6 | 58.6 | 58.7 |
| 17:00-18:00 | 67.8 | 64.4 | 69.9 | 63.8 | 69.7 | 67.4 |
| 18:00-19:00 | 69.7 | 57.2 | 61.4 | 66.6 | 60.1 | 70.2 |
| 19:00-20:00 | 68.0 | 51.3 | 55.2 | 58.4 | 57.3 | 51.1 |
| 20:00-21:00 | 68.5 | 64.5 | 69.7 | 67.4 | 70.0 | 62.2 |
| 21:00-22:00 | 63.9 | 73.8 | 70.6 | 68.5 | 68.8 | 63.1 |

| Sampling Location | 12 - Behind Pump House | | | | | |
|-------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| | 14/04/2022 & 15/04/2022 | 14/05/2022 & 15/05/2022 | 14/06/2022 & 15/06/2022 | 14/07/2022 & 15/07/2022 | 13/08/2022 & 14/08/2022 | 14/09/2022 & 15/09/2022 |
| 22:00-23:00 | 63.8 | 64.8 | 59.7 | 62.8 | 64.8 | 65.5 |
| 23:00-00:00 | 60.5 | 48.5 | 52.6 | 55.1 | 48.5 | 55.6 |
| 00:00-01:00 | 59.8 | 51.9 | 57.3 | 61.3 | 51.9 | 57.6 |
| 01:00-02:00 | 53.2 | 47.3 | 52.2 | 56.6 | 47.3 | 52.2 |
| 02:00-03:00 | 50.3 | 54.9 | 56.7 | 61.2 | 54.9 | 63.0 |
| 03:00-04:00 | 51.2 | 66.2 | 61.3 | 57.4 | 66.2 | 62.7 |
| 04:00-05:00 | 49.8 | 64.8 | 59.5 | 63.5 | 64.8 | 59.2 |
| 05:00-06:00 | 48.0 | 50.4 | 46.2 | 51.8 | 52.3 | 53.0 |

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

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

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

Authorized Signatory





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-22 To September-22

| Sampling Location | 13 - Rock Bond Approach (Jetty) | | | | | |
|-------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| | Date of Monitoring | 15/04/2022 | 16/05/2022 | 15/06/2022 | 15/07/2022 | 15/08/2022 |
| 6:00-7:00 | 45.5 | 55.5 | 61.4 | 59.8 | 61.4 | 53.1 |
| 7:00-8:00 | 51.9 | 61.6 | 66.8 | 69.4 | 65.6 | 65.0 |
| 8:00-9:00 | 43.8 | 64.3 | 70.4 | 65.2 | 68.2 | 61.6 |
| 9:00-10:00 | 45.6 | 56.2 | 61.2 | 67.3 | 52.1 | 62.1 |
| 10:00-11:00 | 50.7 | 46.7 | 52.4 | 55.8 | 50.9 | 51.3 |
| 11:00-12:00 | 58.6 | 51.3 | 56.3 | 60.5 | 56.1 | 57.6 |
| 12:00-13:00 | 51.8 | 55.8 | 61.8 | 65.4 | 61.2 | 61.3 |
| 13:00-14:00 | 51.6 | 53.8 | 57.4 | 61.3 | 58.9 | 55.2 |
| 14:00-15:00 | 56.0 | 61.4 | 64.5 | 69.8 | 66.8 | 64.1 |
| 15:00-16:00 | 56.2 | 57.8 | 62.3 | 57.8 | 60.4 | 52.4 |
| 16:00-17:00 | 45.9 | 56.3 | 61.4 | 66.3 | 62.2 | 61.1 |
| 17:00-18:00 | 42.0 | 54.2 | 60.5 | 57.4 | 51.1 | 53.6 |
| 18:00-19:00 | 66.4 | 52.1 | 56.9 | 61.2 | 55.6 | 65.7 |
| 19:00-20:00 | 53.4 | 64.8 | 69.5 | 67.8 | 67.7 | 69.3 |
| 20:00-21:00 | 63.4 | 60.3 | 64.4 | 69.3 | 53.2 | 67.4 |
| 21:00-22:00 | 59.8 | 62.1 | 66.8 | 61.2 | 64.8 | 54.6 |

| Sampling Location | 13 - Rock Bond Approach (Jetty) | | | | | |
|-------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| | Date of Monitoring | 15/04/2022 & 16/04/2022 | 16/05/2022 & 17/05/2022 | 15/06/2022 & 16/06/2022 | 15/07/2022 & 16/07/2022 | 15/08/2022 & 16/08/2022 |
| 22:00-23:00 | 54.1 | 61.2 | 57.3 | 60.4 | 58.4 | 62.6 |
| 23:00-00:00 | 41.2 | 56.9 | 51.4 | 55.6 | 60.3 | 48.9 |
| 00:00-01:00 | 44.8 | 63.1 | 59.8 | 54.1 | 59.5 | 52.5 |
| 01:00-02:00 | 40.6 | 52.4 | 47.6 | 50.5 | 55.8 | 45.1 |
| 02:00-03:00 | 48.3 | 64.9 | 60.2 | 55.4 | 61.2 | 58.4 |
| 03:00-04:00 | 48.8 | 51.4 | 49.7 | 53.7 | 56.7 | 60.1 |
| 04:00-05:00 | 47.6 | 45.3 | 48.6 | 53.6 | 48.7 | 57.7 |
| 05:00-06:00 | 40.5 | 42.5 | 45.5 | 49.3 | 48.9 | 45.6 |

[#]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.

Authorized Signatory





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-22 To September-22

| Sampling Location | 14 - New Gate | | | | | |
|-------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| | Date of Monitoring | 16/04/2022 | 17/05/2022 | 16/06/2022 | 16/07/2022 | 16/08/2022 |
| 6:00-7:00 | 55.2 | 50.1 | 55.5 | 60.2 | 47.8 | 63.6 |
| 7:00-8:00 | 57.4 | 56.7 | 62.8 | 65.4 | 59.3 | 68.9 |
| 8:00-9:00 | 47.0 | 61.8 | 66.9 | 70.6 | 66.8 | 72.5 |
| 9:00-10:00 | 65.0 | 60.2 | 64.3 | 69.8 | 58.4 | 64.2 |
| 10:00-11:00 | 54.0 | 49.1 | 46.7 | 50.2 | 51.4 | 52.4 |
| 11:00-12:00 | 57.0 | 53.2 | 57.8 | 63.8 | 58.6 | 61.2 |
| 12:00-13:00 | 46.7 | 54.3 | 61.5 | 65.4 | 60.8 | 62.6 |
| 13:00-14:00 | 57.1 | 46.8 | 50.5 | 55.2 | 50.3 | 60.9 |
| 14:00-15:00 | 48.6 | 64.6 | 70.9 | 67.9 | 66.1 | 73.6 |
| 15:00-16:00 | 43.3 | 61.2 | 66.7 | 71.4 | 59.8 | 67.2 |
| 16:00-17:00 | 49.7 | 58.9 | 62.4 | 66.3 | 52.4 | 65.2 |
| 17:00-18:00 | 55.1 | 61.3 | 65.3 | 61.4 | 66.3 | 56.2 |
| 18:00-19:00 | 62.4 | 54.2 | 61.5 | 66.3 | 58.7 | 69.8 |
| 19:00-20:00 | 51.8 | 56.1 | 62.3 | 60.2 | 61.1 | 63.4 |
| 20:00-21:00 | 50.7 | 59.8 | 62.4 | 67.5 | 63.5 | 62.7 |
| 21:00-22:00 | 60.7 | 64.4 | 66.8 | 62.4 | 68.1 | 57.9 |

| Sampling Location | 14 - New Gate | | | | | |
|-------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| | Date of Monitoring | 16/04/2022 & 17/04/2022 | 17/05/2022 & 18/05/2022 | 16/06/2022 & 17/06/2022 | 16/07/2022 & 17/07/2022 | 16/08/2022 & 17/08/2022 |
| 22:00-23:00 | 41.7 | 56.9 | 60.4 | 58.3 | 61.2 | 64.8 |
| 23:00-00:00 | 48.7 | 51.4 | 57.8 | 61.2 | 56.5 | 65.4 |
| 00:00-01:00 | 41.8 | 49.8 | 54.2 | 52.3 | 48.7 | 58.5 |
| 01:00-02:00 | 44.4 | 62.5 | 65.3 | 61.4 | 57.4 | 63.7 |
| 02:00-03:00 | 45.7 | 61.3 | 57.7 | 52.6 | 55.2 | 49.3 |
| 03:00-04:00 | 41.9 | 52.7 | 56.3 | 60.4 | 47.6 | 57.2 |
| 04:00-05:00 | 41.2 | 44.2 | 46.3 | 50.2 | 51.9 | 46.1 |
| 05:00-06:00 | 39.8 | 55.3 | 59.5 | 63.9 | 60.5 | 60.7 |

[#]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.

Authorized Signatory





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-22 To September-22

| Sampling Location | 15 - Security Barrier Gate | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 18/04/2022 | 18/05/2022 | 17/06/2022 | 18/07/2022 | 17/08/2022 | 17/09/2022 |
| 6:00-7:00 | 50.5 | 49.8 | 52.4 | 55.6 | 52.4 | 55.6 |
| 7:00-8:00 | 57.2 | 54.3 | 60.3 | 63.7 | 56.1 | 63.7 |
| 8:00-9:00 | 53.1 | 63.0 | 67.5 | 64.2 | 67.4 | 64.2 |
| 9:00-10:00 | 57.3 | 51.2 | 55.8 | 59.8 | 54.2 | 54.2 |
| 10:00-11:00 | 61.6 | 58.4 | 62.4 | 66.2 | 61.3 | 62.6 |
| 11:00-12:00 | 45.9 | 61.4 | 68.9 | 70.1 | 66.7 | 67.3 |
| 12:00-13:00 | 74.0 | 57.6 | 54.2 | 59.8 | 62.5 | 55.4 |
| 13:00-14:00 | 69.1 | 62.8 | 66.3 | 62.3 | 68.9 | 59.6 |
| 14:00-15:00 | 50.9 | 45.3 | 51.2 | 55.6 | 50.2 | 60.2 |
| 15:00-16:00 | 44.5 | 53.0 | 56.7 | 60.4 | 59.6 | 58.0 |
| 16:00-17:00 | 49.3 | 53.6 | 59.5 | 64.9 | 57.8 | 66.8 |
| 17:00-18:00 | 60.1 | 64.3 | 69.5 | 64.7 | 67.4 | 62.6 |
| 18:00-19:00 | 46.7 | 56.2 | 61.4 | 66.5 | 60.1 | 71.7 |
| 19:00-20:00 | 56.5 | 58.9 | 64.1 | 60.2 | 63.6 | 56.2 |
| 20:00-21:00 | 50.2 | 67.3 | 72.4 | 67.9 | 70.4 | 61.7 |
| 21:00-22:00 | 45.4 | 51.5 | 56.8 | 59.4 | 56.2 | 52.8 |

| Sampling Location | 15 - Security Barrier Gate | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 18/04/2022 & 19/04/2022 | 18/05/2022 & 19/05/2022 | 17/06/2022 & 18/06/2022 | 18/07/2022 & 19/07/2022 | 17/08/2022 & 18/08/2022 | 17/09/2022 & 18/09/2022 |
| 22:00-23:00 | 49.7 | 66.7 | 61.2 | 65.4 | 63.5 | 60.3 |
| 23:00-00:00 | 53.4 | 54.2 | 50.3 | 54.3 | 57.4 | 53.9 |
| 00:00-01:00 | 55.9 | 46.3 | 52.5 | 56.1 | 50.1 | 61.7 |
| 01:00-02:00 | 48.8 | 52.4 | 56.9 | 59.7 | 56.3 | 62.4 |
| 02:00-03:00 | 44.2 | 56.3 | 61.4 | 66.3 | 52.7 | 59.6 |
| 03:00-04:00 | 65.6 | 51.1 | 57.4 | 51.2 | 58.2 | 54.5 |
| 04:00-05:00 | 45.0 | 66.8 | 59.5 | 54.3 | 65.4 | 58.9 |
| 05:00-06:00 | 49.9 | 54.0 | 61.3 | 58.4 | 51.2 | 51.2 |

[#]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.

Authorized Signatory





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-22 To September-22

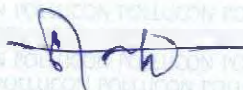
| Sampling Location | 16 - JS-2 | | | | | |
|-------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| | Date of Monitoring | 19/04/2022 | 19/05/2022 | 18/06/2022 | 19/07/2022 | 18/08/2022 |
| 6:00-7:00 | 59.7 | 51.6 | 56.7 | 52.4 | 56.3 | 54.2 |
| 7:00-8:00 | 50.0 | 58.3 | 63.9 | 60.6 | 62.4 | 57.4 |
| 8:00-9:00 | 50.8 | 65.1 | 71.4 | 67.8 | 68.6 | 63.6 |
| 9:00-10:00 | 53.3 | 62.4 | 67.9 | 70.4 | 58.4 | 70.4 |
| 10:00-11:00 | 46.2 | 51.4 | 55.3 | 61.3 | 56.2 | 66.2 |
| 11:00-12:00 | 41.9 | 49.8 | 47.9 | 51.5 | 53.5 | 58.3 |
| 12:00-13:00 | 50.7 | 42.3 | 46.9 | 50.2 | 45.1 | 53.4 |
| 13:00-14:00 | 56.6 | 63.7 | 68.4 | 64.3 | 67.8 | 61.2 |
| 14:00-15:00 | 45.8 | 56.2 | 61.3 | 67.8 | 61.5 | 70.1 |
| 15:00-16:00 | 58.8 | 58.7 | 54.2 | 61.3 | 63.4 | 67.2 |
| 16:00-17:00 | 49.6 | 50.6 | 45.3 | 50.5 | 52.7 | 54.6 |
| 17:00-18:00 | 46.1 | 54.1 | 61.1 | 65.4 | 56.3 | 61.0 |
| 18:00-19:00 | 59.8 | 51.5 | 56.7 | 61.8 | 47.7 | 57.5 |
| 19:00-20:00 | 67.7 | 62.3 | 61.5 | 67.9 | 59.4 | 69.5 |
| 20:00-21:00 | 56.2 | 51.2 | 58.7 | 62.4 | 56.2 | 59.1 |
| 21:00-22:00 | 48.5 | 66.9 | 70.3 | 72.4 | 68.7 | 68.3 |

| Sampling Location | 16 - JS-2 | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 19/04/2022 & 20/04/2022 | 19/05/2022 & 20/05/2022 | 18/06/2022 & 19/06/2022 | 19/07/2022 & 20/07/2022 | 18/08/2022 & 19/08/2022 | 19/09/2022 & 20/09/2022 |
| 22:00-23:00 | 40.8 | 56.9 | 52.6 | 56.2 | 58.7 | 50.4 |
| 23:00-00:00 | 54.1 | 44.1 | 49.8 | 53.6 | 49.5 | 56.5 |
| 00:00-01:00 | 43.9 | 56.8 | 61.4 | 58.4 | 62.3 | 63.8 |
| 01:00-02:00 | 67.5 | 61.3 | 65.8 | 69.7 | 64.4 | 68.0 |
| 02:00-03:00 | 55.4 | 54.2 | 59.7 | 55.4 | 58.9 | 54.9 |
| 03:00-04:00 | 41.8 | 46.8 | 50.5 | 53.6 | 44.5 | 49.8 |
| 04:00-05:00 | 47.0 | 47.7 | 51.6 | 56.8 | 50.2 | 52.2 |
| 05:00-06:00 | 42.0 | 51.3 | 56.6 | 51.4 | 48.6 | 53.6 |

[#]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.



Authorized Signatory





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-22 To September-22

| Sampling Location | 17 - Railway Dead End | | | | | |
|--------------------|---|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 20/04/2022 | 20/05/2022 | 20/06/2022 | 20/07/2022 | 19/08/2022 | 20/09/2022 |
| 6:00-7:00 | 55.7 | 54.2 | 59.7 | 56.3 | 59.1 | 52.1 |
| 7:00-8:00 | 46.9 | 61.3 | 66.4 | 70.4 | 66.7 | 73.5 |
| 8:00-9:00 | 51.2 | 52.0 | 56.2 | 60.1 | 56.2 | 55.4 |
| 9:00-10:00 | 49.3 | 62.5 | 66.5 | 69.8 | 58.9 | 65.1 |
| 10:00-11:00 | 50.9 | 44.7 | 51.5 | 57.2 | 49.2 | 62.4 |
| 11:00-12:00 | 49.2 | 62.3 | 66.8 | 61.3 | 66.1 | 56.6 |
| 12:00-13:00 | 57.3 | 52.2 | 57.4 | 60.8 | 56.4 | 63.7 |
| 13:00-14:00 | 45.2 | 60.3 | 65.3 | 70.6 | 65.4 | 68.4 |
| 14:00-15:00 | 45.0 | 62.9 | 67.5 | 64.3 | 66.3 | 62.1 |
| 15:00-16:00 | 62.5 | 61.4 | 65.8 | 61.9 | 66.7 | 57.4 |
| 16:00-17:00 | 52.3 | 42.2 | 45.1 | 51.2 | 46.5 | 57.2 |
| 17:00-18:00 | 44.5 | 65.3 | 66.9 | 62.4 | 71.4 | 67.8 |
| 18:00-19:00 | 61.7 | 54.5 | 59.7 | 63.9 | 58.6 | 63.9 |
| 19:00-20:00 | 67.9 | 56.1 | 62.3 | 66.3 | 51.1 | 66.3 |
| 20:00-21:00 | 48.7 | 64.5 | 69.2 | 64.1 | 68.9 | 64.1 |
| 21:00-22:00 | 42.5 | 66.9 | 72.4 | 67.3 | 62.2 | 67.3 |

| Sampling Location | 17 - Railway Dead End | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 20/04/2022 & 21/04/2022 | 20/05/2022 & 21/05/2022 | 20/06/2022 & 21/06/2022 | 20/07/2022 & 21/07/2022 | 19/08/2022 & 20/08/2022 | 20/09/2022 & 21/09/2022 |
| 22:00-23:00 | 50.4 | 61.5 | 58.8 | 62.5 | 66.2 | 65.1 |
| 23:00-00:00 | 60.0 | 59.7 | 62.4 | 66.9 | 56.4 | 63.7 |
| 00:00-01:00 | 50.0 | 44.2 | 49.3 | 45.3 | 46.3 | 46.2 |
| 01:00-02:00 | 56.6 | 51.3 | 55.7 | 60.4 | 46.2 | 57.3 |
| 02:00-03:00 | 42.9 | 56.4 | 61.4 | 67.4 | 50.1 | 64.1 |
| 03:00-04:00 | 49.6 | 61.3 | 66.8 | 60.3 | 56.5 | 56.7 |
| 04:00-05:00 | 57.3 | 52.7 | 55.3 | 51.5 | 45.1 | 47.1 |
| 05:00-06:00 | 53.3 | 44.4 | 50.2 | 54.2 | 42.3 | 51.6 |

[#]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.

Authorized Signatory





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-22 To September-22

| Sampling Location | 18 – Open Storage Yard – 1 | | | | | |
|--------------------|--|------------|------------|------------|------------|------------|
| | During Day Time - dB(A) Leq [#] | | | | | |
| Date of Monitoring | 21/04/2022 | 21/05/2022 | 21/06/2022 | 21/07/2022 | 20/08/2022 | 21/09/2022 |
| 6:00-7:00 | 42.9 | 47.4 | 52.2 | 56.6 | 53.6 | 56.6 |
| 7:00-8:00 | 48.6 | 43.3 | 46.8 | 51.4 | 45.2 | 51.4 |
| 8:00-9:00 | 52.4 | 59.1 | 63.7 | 67.8 | 63.5 | 67.8 |
| 9:00-10:00 | 59.0 | 54.8 | 58.3 | 62.4 | 51.4 | 64.4 |
| 10:00-11:00 | 56.1 | 66.4 | 71.4 | 69.8 | 72.3 | 69.8 |
| 11:00-12:00 | 48.5 | 54.3 | 59.8 | 62.2 | 52.1 | 62.2 |
| 12:00-13:00 | 42.4 | 52.9 | 59.8 | 55.6 | 58.7 | 55.6 |
| 13:00-14:00 | 57.9 | 45.5 | 50.5 | 54.1 | 51.2 | 54.1 |
| 14:00-15:00 | 60.8 | 61.2 | 66.8 | 68.3 | 66.8 | 68.3 |
| 15:00-16:00 | 46.7 | 60.9 | 64.7 | 61.8 | 65.4 | 61.8 |
| 16:00-17:00 | 65.8 | 66.1 | 70.4 | 67.3 | 68.5 | 67.3 |
| 17:00-18:00 | 71.7 | 69.5 | 65.8 | 60.8 | 64.2 | 60.8 |
| 18:00-19:00 | 45.1 | 49.8 | 54.2 | 59.6 | 47.7 | 59.6 |
| 19:00-20:00 | 51.0 | 54.2 | 59.8 | 64.3 | 59.8 | 60.5 |
| 20:00-21:00 | 52.2 | 44.0 | 50.2 | 54.6 | 52.3 | 51.8 |
| 21:00-22:00 | 55.7 | 59.7 | 63.8 | 57.9 | 63.7 | 53.2 |

| Sampling Location | 18 – Open Storage Yard – 1 | | | | | |
|--------------------|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A) Leq [#] | | | | | |
| Date of Monitoring | 21/04/2022 & 22/04/2022 | 21/05/2022 & 22/05/2022 | 21/06/2022 & 22/06/2022 | 21/07/2022 & 22/07/2022 | 20/08/2022 & 21/08/2022 | 21/09/2022 & 22/09/2022 |
| 22:00-23:00 | 51.2 | 56.3 | 61.4 | 65.6 | 52.4 | 61.8 |
| 23:00-00:00 | 44.5 | 57.4 | 63.6 | 60.4 | 62.2 | 59.5 |
| 00:00-01:00 | 52.1 | 53.6 | 56.8 | 63.1 | 57.8 | 66.3 |
| 01:00-02:00 | 60.8 | 50.2 | 54.2 | 51.8 | 53.3 | 46.5 |
| 02:00-03:00 | 60.3 | 41.8 | 45.7 | 49.6 | 45.7 | 52.8 |
| 03:00-04:00 | 47.5 | 66.4 | 62.3 | 66.4 | 62.1 | 64.3 |
| 04:00-05:00 | 52.0 | 57.5 | 60.2 | 57.6 | 60.3 | 51.7 |
| 05:00-06:00 | 38.0 | 61.3 | 57.6 | 63.5 | 65.4 | 66.8 |

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

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

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

Authorized Signatory





Tables -19 -S & S Yard (North) Boundary Wall Loco Shed Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-22 To September-22

| Sampling Location | 19 - Loco Shed | | | | | |
|--------------------|--|------------|------------|------------|------------|------------|
| | During Day Time - dB(A) Leq [#] | | | | | |
| Date of Monitoring | 22/04/2022 | 23/05/2022 | 22/06/2022 | 22/07/2022 | 22/08/2022 | 22/09/2022 |
| 6:00-7:00 | 61.8 | 64.3 | 69.8 | 71.4 | 67.5 | 67.5 |
| 7:00-8:00 | 66.1 | 51.3 | 56.2 | 60.3 | 57.4 | 62.6 |
| 8:00-9:00 | 46.4 | 63.8 | 67.8 | 64.5 | 68.2 | 61.7 |
| 9:00-10:00 | 47.4 | 53.2 | 59.5 | 54.3 | 56.3 | 52.3 |
| 10:00-11:00 | 59.8 | 50.1 | 54.3 | 60.2 | 47.5 | 59.8 |
| 11:00-12:00 | 60.4 | 52.6 | 56.4 | 61.5 | 54.8 | 68.9 |
| 12:00-13:00 | 51.0 | 61.3 | 65.5 | 62.4 | 65.9 | 56.2 |
| 13:00-14:00 | 46.6 | 64.8 | 70.6 | 66.9 | 69.4 | 68.7 |
| 14:00-15:00 | 48.3 | 59.8 | 63.4 | 61.9 | 63.2 | 59.3 |
| 15:00-16:00 | 59.4 | 67.6 | 72.4 | 68.3 | 70.2 | 60.5 |
| 16:00-17:00 | 50.3 | 56.3 | 61.5 | 65.4 | 60.1 | 66.8 |
| 17:00-18:00 | 57.7 | 62.2 | 63.8 | 59.7 | 66.6 | 53.4 |
| 18:00-19:00 | 47.0 | 51.0 | 56.8 | 62.2 | 56.3 | 58.1 |
| 19:00-20:00 | 46.5 | 63.6 | 67.4 | 70.4 | 66.7 | 72.2 |
| 20:00-21:00 | 45.7 | 56.9 | 61.2 | 66.9 | 61.2 | 60.7 |
| 21:00-22:00 | 48.2 | 51.2 | 56.8 | 54.2 | 53.4 | 51.1 |

| Sampling Location | 19 - Loco Shed | | | | | |
|--------------------|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A) Leq [#] | | | | | |
| Date of Monitoring | 22/04/2022 & 23/04/2022 | 23/05/2022 & 24/05/2022 | 22/06/2022 & 23/06/2022 | 22/07/2022 & 23/07/2022 | 22/08/2022 & 23/08/2022 | 22/09/2022 & 23/09/2022 |
| 22:00-23:00 | 49.5 | 54.6 | 51.3 | 56.9 | 50.1 | 53.0 |
| 23:00-00:00 | 54.2 | 57.8 | 60.4 | 54.3 | 52.5 | 50.4 |
| 00:00-01:00 | 57.2 | 52.2 | 58.9 | 62.2 | 47.3 | 65.9 |
| 01:00-02:00 | 63.4 | 49.7 | 45.7 | 49.1 | 45.6 | 45.7 |
| 02:00-03:00 | 46.5 | 53.6 | 49.5 | 54.5 | 49.8 | 49.8 |
| 03:00-04:00 | 43.8 | 46.8 | 53.6 | 56.6 | 51.3 | 51.9 |
| 04:00-05:00 | 56.2 | 60.2 | 61.3 | 59.8 | 58.4 | 54.4 |
| 05:00-06:00 | 52.4 | 54.3 | 48.7 | 52.4 | 56.1 | 57.3 |

[#]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.



Authorized Signatory





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-22 To September-22

| Sampling Location | 20 - Lakhi Village (Below Conveyer Belt) | | | | | |
|--------------------|--|------------|------------|------------|------------|------------|
| | During Day Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 23/04/2022 | 24/05/2022 | 23/06/2022 | 23/07/2022 | 23/08/2022 | 23/09/2022 |
| 6:00-7:00 | 50.4 | 47.8 | 42.4 | 56.1 | 51.2 | 53.3 |
| 7:00-8:00 | 53.7 | 42.1 | 40.9 | 52.4 | 48.1 | 58.7 |
| 8:00-9:00 | 62.5 | 49.4 | 44.2 | 59.8 | 52.8 | 62.2 |
| 9:00-10:00 | 50.2 | 61.3 | 48.6 | 69.5 | 53.6 | 66.1 |
| 10:00-11:00 | 52.9 | 67.8 | 53.1 | 65.3 | 49.4 | 61.6 |
| 11:00-12:00 | 44.9 | 46.9 | 54.4 | 56.1 | 50.9 | 52.8 |
| 12:00-13:00 | 50.5 | 50.1 | 49.9 | 60.8 | 47.5 | 54.6 |
| 13:00-14:00 | 58.9 | 42.4 | 45.2 | 52.2 | 52.8 | 50.8 |
| 14:00-15:00 | 57.1 | 56.3 | 49.1 | 65.4 | 53.5 | 61.1 |
| 15:00-16:00 | 45.8 | 52.8 | 51.9 | 59.9 | 47.2 | 64.7 |
| 16:00-17:00 | 43.7 | 61.9 | 53.2 | 61.8 | 51.0 | 67.6 |
| 17:00-18:00 | 59.8 | 51.0 | 54.3 | 60.2 | 48.9 | 55.2 |
| 18:00-19:00 | 63.7 | 45.7 | 50.7 | 56.9 | 52.9 | 51.3 |
| 19:00-20:00 | 72.1 | 65.8 | 48.3 | 57.4 | 50.7 | 62.2 |
| 20:00-21:00 | 48.4 | 52.2 | 47.6 | 60.3 | 51.2 | 65.9 |
| 21:00-22:00 | 52.1 | 44.1 | 45.7 | 56.4 | 47.2 | 57.7 |

| Sampling Location | 20 - Lakhi Village (Below Conveyer Belt) | | | | | |
|--------------------|---|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| | During Night Time - dB(A)Leq [#] | | | | | |
| Date of Monitoring | 23/04/2022 & 24/04/2022 | 24/05/2022 & 25/05/2022 | 23/06/2022 & 24/06/2022 | 23/07/2022 & 24/07/2022 | 23/08/2022 & 24/08/2022 | 23/09/2022 & 24/09/2022 |
| 22:00-23:00 | 52.3 | 61.5 | 44.2 | 64.6 | 43.8 | 59.5 |
| 23:00-00:00 | 56.1 | 63.3 | 43.8 | 56.8 | 40.5 | 51.2 |
| 00:00-01:00 | 59.2 | 50.5 | 40.6 | 57.4 | 41.4 | 54.4 |
| 01:00-02:00 | 68.8 | 59.8 | 41.9 | 66.9 | 43.9 | 62.8 |
| 02:00-03:00 | 45.9 | 47.4 | 42.7 | 59.8 | 43.5 | 58.6 |
| 03:00-04:00 | 44.4 | 56.2 | 44.3 | 54.2 | 40.7 | 50.5 |
| 04:00-05:00 | 58.1 | 61.3 | 40.8 | 59.7 | 41.3 | 52.2 |
| 05:00-06:00 | 51.9 | 64.7 | 42.4 | 51.1 | 42.1 | 47.3 |

[#]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.

Authorized Signatory





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

Table No.: 3H.1 – DG Sets Stack Emission Monitoring Results for the period: April-22 To September-22

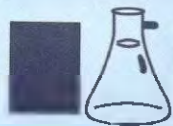
| Sr. No. | Parameters | Unit | May 22 | | | | |
|---------|--------------------------------|--------------------|----------------------|-----------------|------------------------|-----------------------|-------------------|
| | | | 28/05/2022 | | | | |
| | | | DG Set # 1MRSS (SS5) | DG Set # 2 SS7B | DG Set # 3Marine (SS8) | DG Set # 4Silo (SS11) | DG Set # 5 (SS7A) |
| 1 | Particulate Matter | mg/Nm ³ | 26.27 | 24.54 | 21.54 | 23.47 | 25.3 |
| 2 | Sulphur Dioxide | ppm | 3.63 | 4.57 | 4.02 | 8.45 | 7.55 |
| 3 | Oxide of Nitrogen | ppm | 33.44 | 35.62 | 30.26 | 36.55 | 32.5 |
| 4 | Non Methyl Hydro Carbon (NMHC) | mg/m ³ | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected |
| 5 | Carbon Monoxide | mg/m ³ | 0.029 | 0.0173 | 0.0237 | 0.0317 | 0.0269 |

Table No.: 3H.2 ~ DG Sets Stack Emission Monitoring Results for the period: April-22 To September-22

| Sr. No. | Parameters | Unit | August-22 | | | | |
|---------|--------------------------------|--------------------|----------------------|-----------------|------------------------|-----------------------|-------------------|
| | | | 26/08/2022 | | | | |
| | | | DG Set # 1MRSS (SS5) | DG Set # 2 SS7B | DG Set # 3Marine (SS8) | DG Set # 4Silo (SS11) | DG Set # 5 (SS7A) |
| 1 | Particulate Matter | mg/Nm ³ | 22.61 | 27.53 | 24.35 | 28.83 | 21.55 |
| 2 | Sulphur Dioxide | ppm | 4.67 | 5.05 | 6.35 | 7.55 | 5.97 |
| 3 | Oxide of Nitrogen | ppm | 30.65 | 33.59 | 32.44 | 38.46 | 35.66 |
| 4 | Non Methyl Hydro Carbon (NMHC) | mg/m ³ | Not Detected | Not Detected | Not Detected | Not Detected | Not Detected |
| 5 | Carbon Monoxide | mg/m ³ | 0.0252 | 0.0202 | 0.0265 | 0.0398 | 0.0313 |

Authorized Signatory






POLLUCON LABORATORIES PVT. LTD.

Table No.: 3H.3 - DG Sets Noise Level Monitoring Results for the period: April-22 To September-22

| Sr. No. | DG Set Average Noise Level In Leq. dB(A) | | |
|---------|--|---------------------------------|------------|
| | Sampling Location | At 1 m from the enclose outside | |
| | | May-22 | August-22 |
| | | 28/05/2022 | 26/08/2022 |
| 1. | DG Set # 1MRSS (SS5) | 72.6 | 70.5 |
| 2. | DG Set # 2 SS7B | 69.5 | 72.1 |
| 3. | DG Set # 3Marine (SS8) | 70.8 | 73.6 |
| 4. | DG Set # 4Silo (SS11) | 73.2 | 71.5 |
| 5 | DG Set # 5 (SS7A) | 71.4 | 72.4 |


Authorized Signatory



Annexure 4: Green Belt Details

Adani Petronet Dahej Port Pvt. Ltd., Dahej
Green Zone details up to September 2022

| Sr. No. | Green Zone No | Location | Area in (Hect.) | Tree (No.) | Tree Spp. | Shrubs (Sq. Mt.) | Green Carpet (Sq.Mt.) | Palm | Remarks | |
|-----------------------|---------------|--|---|------------|---|------------------|-----------------------|--------|-------------|-------------|
| 1 | 68 (a) | CG-3 PMC office area Landscape | 0.02 | 200 | Ikora Hibiscus Eranthemum | | | | Implimented | |
| | | | 0.01 | 139 | | | | | | |
| | | | 0.03 | 270 | | | | | | |
| | | | 0.45 | 500 | Delonix regia | | | | | |
| | | | 0.23 | 250 | cassia sima | | | | | |
| | | | 0.20 | 450 | Coconut spp. | | | | | |
| | | | 0.10 | | Shrub | 1000 | | | | |
| | | | 0.15 | | Lawn | | 1500 | | | |
| | | | 0.020 | | Palm | | | 50 | | |
| | | | 0.008000 | 20 | peltoferum | | | | | |
| 0.39 | 1300 | Casurina Equisitfolia | | | | | | | | |
| 0.27 | 600 | Casurina Equisitfolia | | | | | Implimented | | | |
| Total | | | 1.88 | 3120.00 | | 1000.00 | 1500.00 | 50.00 | | |
| 2 | 68 (b) | Goptol boudry wall site plantation (phase-1) | 1.35 | 6000 | Casurina Equisitfolia | | | | Implimented | |
| | | APPPIL office area (SS-7) | 0.36 | 450 | Delonix regia | | | | Implimented | |
| | | Goptol boudry wall site plantation (phase-1 a) | 0.16 | 700 | Delonix regia | | | | Implimented | |
| | | | 0.10 | | Shrub | 1000 | | | | |
| | | | 0.8 | | Lawn | | 8000 | | | |
| | | | 0.04 | | Palm | | | 100 | | |
| Total | | | 2.81 | 7150.00 | | 1000.00 | 8000.00 | 100.00 | | |
| 3 | 68(C) | LNG Site Boundry wall site plantation | 0.95 | 4200 | Casurina Equisitfolia | | | | Implimented | |
| 4 | 68 (d) | Stack yard | 0.04 | | Palm | | | 100 | | |
| | | | 0.72 | 3200 | Casurina Equisitfolia | | | | Implimented | |
| Total | | | 1.71 | 7400.00 | | 0.00 | 0.00 | 100.00 | | |
| 5 | 68 (e) | Road site Avenue tree plantation | 0.77 | 1700 | Casurina Equisitfolia | | | | | |
| | | | 1.53 | 1700 | Conocarpus | | | | | |
| | | | 1.08 | 1800 | Conocarpus | | | | | |
| | | | 0.30 | | Shrub | 3000 | | | | |
| | | | 0.02 | | Lawn | | 200 | | | |
| | | | 0.08 | | Palm | | | 200 | | |
| | | | Total | | | 3.78 | 5200.00 | | | 3000.00 |
| 6 | 68 (f) | Main gate Area | Beautification from Main Gate to GCPL Divider (Bhutmama Temple) | | 0.39 | 2200.00 | neerium | | | Implimented |
| | | | 3.75 | 1500 | Peltofouram | | | | | |
| | | | 0.60 | 500 | Azardirecta indica | | | | | |
| | | | 0.26 | 320 | Conocarpus | | | | | |
| | | | 0.32 | 810 | Conocarpus | | | | | |
| | | | 0.24 | 525 | Casurina Equisitfolia | | | | | |
| | | | 0.35 | 220 | Conocarpus | | | | | |
| | | | 0.23 | 500 | Golden Bamboo | | | | | |
| | | | 0.35 | | Shrub | 3450 | | | | |
| | | | 0.25 | | Lawn | | 2500 | | | |
| Total | | | 6.73 | 4375.00 | | 3450.00 | 2500.00 | 0.00 | | |
| 7 | 68 (g) | Railway yard area Phase 1 | 1.13 | 5000 | Casurina Equisitfolia | | | | Implimented | |
| | | | 0.0175 | 175 | Peltofouram | | | | | |
| | | | 1.13 | 5000 | Casurina Equisitfolia | | | | | |
| | | | 0.15 | 255 | Conocarpus | | | | | |
| | | | 0.08 | | Palm | | | 200 | Implimented | |
| Total | | | 2.50 | 10430.00 | | 0.00 | 0.00 | 200.00 | | |
| 8 | 68 (h) | cg-2 | 0.05 | 500.00 | Conocarpus neerium | 130.00 | | | | |
| | | | 0.0130 | | | | | | | |
| | | Permenant Godown area | 0.44 | 1680 | Shrubs and forest tree plantation | | | | | |
| | | | 0.15 | | | Shrub | 1500 | | | |
| | | | 0.21 | | | Lawn | | 2100 | | |
| | | | 0.06 | | | Palm | | | | 150 |
| | | Coal Yard Area | 1.23 | 3086 | Conocarpus /Casurina | | | | | |
| | | | 0.12 | 523 | Conocarpus | | | | | |
| | | | 0.03 | 120 | peltoferum | | | | | |
| | | | 0.12 | | Lawn | 1200 | | | | |
| | | Perifery road side | 0.72 | 3200 | eucalyptus /conocarpus | | | | | |
| | | | 0.05 | | Shrub | | 500 | | | |
| | | Dahej Ramji Temple Green belt | 0.24 | | Palm | | | 150 | | |
| | | | 0.72 | 800 | Peltofouram /Azardirecta indica/ Conocarpus/ Palm | | | | | |
| Total | | | 4.15 | 9409.00 | | 2700.00 | 2600.00 | 300.00 | | |
| Total Green Zone Area | | | 23.54 | 47084.00 | | 11150.00 | 14800.00 | 950.00 | | |



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A)

CCA NO: AWH- 109820

NO: GPCB/BRCH-B/CCA-06(7)/ID-31664/

DT: _

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and control of pollution)-1981 and Authorization under rule 3(c) & 5(5) of the Hazardous waste (Management and Handling & Trans boundary movement) rules, 2008 framed under the Environmental (Protection) Act- 1986. This Board is empowered to Grant CC&A.

And whereas Board has received consolidated consent application letter No. 177366 dated 30.06.2020 for the Consolidated Consent and Authorization (CC & A) of this board under the provisions/ rules of the aforesaid Acts. Consents & Authorization are hereby granted as under:

CONSENTS AND AUTHORISATION

(Under the provisions/rules of the aforesaid environmental acts)

To,

M/s ADANI PETRONET (DAHEJ) PORT PVT LTD

AT & PO LAKHIGAM-392130

TAL- VAGRA,

DIST- BHARUCH.

1. **Consent Order No. AWH- 109820 date of issue 19.10.2020**
2. The consents shall be valid up to 16/07/2025 for use of outlet for the discharge of trade effluent and emission due to operation of Port/ Jetty having facilities for storage and Distribution of Solid Cargo handling facility of 0.99 MMTPM at Adani Petronet (Dahej) Port Pvt. Ltd. Village: - Lakhigam - 392130, Tal: - Vagra, District: - Bharuch.
3. **SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS: -**
 - 3.1 The applicant shall comply with the Environment Protection Act- 1986, Hazardous Waste (Management, Handling & Transboundary Movement) Rule-2008, Forest (Conservation) Act - 1980 and Rule - 1981. The Petroleum and Minerals Pipeline (Acquisition of Right of User land) Act 1962
 - 3.2 Necessary Clearance for the adequacy of safety measures shall be obtained from concerned authorities.
 - 3.3 The applicant shall obtain necessary permission for acquisition of land for infrastructure Corridors (Rail & Road) from the concerned authorities.
 - 3.4 On site - off site emergency plan & disaster management plan shall be prepared.

Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

- 3.5 Application shall provide all required / adequate measures for controlling water pollution, air pollution and noise pollution resulting during construction phase & operation phase.
- 3.6 The applicant shall have to comply with the Manufacture, Storage and Import of Hazardous Chemicals Rule, 1989 framed under the Environment (Protection) Act-1986.
- 3.7 Adequate provisions infrastructure facilities such as water supply, road, sanitations etc. should ensure to avoid environmental degradation in the surrounding areas. These facilities should be brought into existence during the construction phase/ and will remain in existence therefore as per of the infrastructure built up in the area for local development purpose.
- 3.8 Adequate culverts should be provided in civil structures in the intertidal area to allow for free flow of water.
- 3.9 All details regarding the mangrove belt and other forestation work must be worked out in consultation with the state forest department and details sent to GPCB.
- 3.10 Ground water extraction will not be allowed at any stage.
- 3.11 Adequate noise control measures should be ensured in various projects activities and due to increase in traffic, which is take place during construction and operation phase.
- 3.12 An organization structure should with latest R&D facilities and suitable equipment for environmental and forestry management activities through creation of environment management cell. Adequate funds should be earmarked for this cell.
- 3.13 To prevent discharge of bilge wastes sewage and other liquid wastes from the oil tankers/ships into marine environment, adequate system for collection treatment and disposal of waste must be provided as per provisions of MARPOL convention.
- 3.14 Solid waste shall be disposed of at approved landfill site.
- 3.15 All measures for control of environmental pollution shall be provided before putting the port terminal & storage facilities into operation and the responsibility for adhering to all norms of environment & pollution control shall rest with the project developer.
- 3.16 All design, construction & operation philosophy as specified in the comprehensive marine environmental impact assessment will be adhered to.
- 3.17 A specific Oil Spill Response Plan shall be prepared before commissioning of the Project.

4. CONDITIONS UNDER THE WATER ACT: -

- 4.1 The quantity of total water consumption shall not exceed 4500 KL/day
- 4.2 The generation and disposal of the industrial effluent from the manufacturing process and other ancillary industrial operations shall be NIL.
- 4.3 The quantity of Sewage effluent from the factory shall not exceed 80KL/Day
- 4.4 The applicant shall provide adequate sewage treatment facilities in order to achieve the quality of the treated effluent.
- 4.5 Sewage shall be treated separately to conform to the following standards and utilized on land for irrigation / plantation.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

- 4.6 80 KL/Day domestic sewage shall be treated separately in sewage Treatment Plant (STP) to conform the following standards and treated sewage shall be utilized on land for irrigation/Plantation.

| | |
|------------------------------|-------------------|
| BOD (5 Days at 20°C) | Less than 20 mg/l |
| Total Suspended Solids (TSS) | Less than 30 mg/l |
| Residual Chlorine | Minimum 0.5 ppm |

All efforts shall be made to remove colour & unpleasant odour as far as practicable.

- 4.7 The final treated effluent conforming to the above standards shall be discharged on land for irrigation plantation purpose within the premises only.

5 CONDITIONS UNDER THE AIR ACT: -

- 5.1 The following shall be used as fuel in D.G. Sets.

| Sr. No. | Fuel | Quantity |
|---------|--------|---------------|
| 1. | Diesel | 12500 lit/day |

- 5.2 The flue gas emission through stack attached to D.G. sets shall conform to the following standards.

| Sr. No. | Stack attached to | Stack height (m) | APCM | Parameter | Permissible limit |
|---------|-----------------------------------|----------------------|------|-----------|-------------------|
| 1 | DG set* 3000 KVA 4 nos. in phases | 11m (for each DG) | -- | PM | 150 mg/NM3 |
| 2 | DG set* 380 KVA 1 nos. in phases | | | SO2 | 100 ppm |
| 3 | DG set* 40 KVA 1 nos. in phases | | | NOX | 50 ppm |
| 4 | DG set* 125 KVA 4 nos. in phases | | | | |

*It will be used only in case of failure of power supply.

- 5.3 There shall be no process emission from operation of Jetty having facilities for Storage and Distribution of Cargo handling.
- 5.4 The concentration of the following parameters in the ambient air within the premises of the unit shall not exceed the limits specified hereunder.

| Sr. No. | Parameters | Permissible Limit (microgram /m ³) | |
|---------|---|--|------------------|
| | | Annual | 24 Hours Average |
| 1. | Particulate Matter (PM ₁₀) | 60 | 100 |
| 2. | Particulate Matter (PM _{2.5}) | 40 | 60 |
| 3. | Oxides of Sulphur (SO _x) | 50 | 80 |
| 4. | Oxides of Nitrogen (NO _x) | 40 | 80 |

Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

- **Annual arithmetic mean of minimum 104 measurements in a year at a particular site taken twice a week 24 hourly at uniform intervals.**
- **24 hourly or 08 hourly or 01 hourly monitored values, as applicable, shall be complied with 98% of the time in a year. 2% of the time, they may exceed the limits but not on two consecutive days of monitoring.**

- 5.5 Unit shall operate industrial plant / air pollution control equipment very efficiently and continuously so that the gaseous emission always conforms to the standards specified as above.
- 5.6 The consent to operate the industrial plant shall lapse if at any time the parameters of the gaseous emission are not within the tolerance limits specified as above.
- 5.7 Unit shall provide portholes, ladder, platform etc at chimney(s) for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimney(s) vents attached to various sources of emission shall be designed by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
- 5.8 Unit shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

6 AUTHORISATION FOR THE MANAGEMENT & HANDLING OF HAZARDOUS WASTES Form-2 (See role 3 (c) & 5 (5))

Form for grant of authorization for occupier or operator handling hazardous waste

6.1 Number of authorization: - AWH-109820.

- 6.2 M/s. Adani Petronet (Dahej) Port Pvt Ltd is hereby granted an authorization to operate facility for Following hazardous wastes on the premises situated at AT & PO- LAKHIGAM-392130, TAL- VAGRA, DIST-BHARUCH.

| Sr. No. | Type of Waste | Quantity | Category | Mode of disposal |
|----------------|--|-----------------|-----------------|---|
| 1. | Sludge and filters contaminated with oil | 10 MT/Year | I-3.3 | Collection, storage, Transportation and Disposal by sent to approved CHWIF/ co-processing facility |
| 2. | Used /Spent Oil | 20 MT/Year | 5.1 | Collection, storage, transportation and disposal by utilized for lubrications of machine s & remaining selling to register refiners/re-processors |

Outward No: 571845, 01/11/2020



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

| | | | | |
|----|---|------------|--------|---|
| 3. | Wastes or residues containing Oil | 10 MT/Year | I-5.2 | Collection, storage, Transportation and Disposal by sent to approved CHWIF/co-processing facility |
| 4. | Process wastes, residues & sludge(paint) | 10 MT/Year | I-21.1 | Collection, storage, Transportation and Disposal by sent to approved CHWIF/co-processing facility |
| 5. | Empty barrels/containers/liners /contaminated with hazardous chemical/waste | 10 MT/Year | I-33.1 | Collection, Storage, Decontamination Transportation & disposal by selling to approved recyclers |
| 6. | Contaminated cotton rags or other cleaning materials | 10 MT/Year | I-33.2 | Collection, storage, Transportation and Disposal by sent to approved CHWIF/co-processing facility |

6.3 The authorization is granted to operate a facility for collection, storage, within the factory premises, transportation and ultimate disposal of Hazardous wastes as per mode of disposal mention in table above.

6.4 The authorization shall be in force for a period up to date **16/07/2025**.

6.5 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

7 TERMS AND CONDITIONS OF AUTHORISATION:

7.1 The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.

7.2 The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the Gujarat Pollution Control Board.

7.3 The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.

7.4 Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.

7.5 The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;

7.6 The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on "Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty"

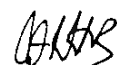
7.7 It is the duty of the authorised person to take prior permission of the Gujarat Pollution Control Board to close down the facility.

Clean Gujarat Green Gujarat

ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

- 7.8 The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- 7.9 The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
- 7.10 The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
- 7.11 The importer or exporter shall bear the cost of import or export and mitigation of damages if, any.
- 7.12 An application for the renewal of an authorization shall be made as laid down under Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016.
- 7.13 Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
- 7.14 Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
- 7.15 Unit shall have to display the relevant information with regard to hazardous waste as indicated in the Court's order in W.P. No. 657 of 1995 dated 14th October 2003.
- 7.16 Unit shall have to display on-line data outside the main factory gate with regard to and nature of hazardous chemicals being handled in the plant, including waste water and air emission and solid hazardous waste generated within the factory premises.
- 7.17 Unit shall have to manage used or spent oil; empty or discarded barrels / containers / liners contaminated with hazardous chemicals / wastes, process waste as per Hazardous & Other Wastes (Management and Transboundary Movement) Rules-2016, framed under the E(P)Act-1986 and shall apply Authorization for all applicable waste.

**For and on behalf of
GUJARAT POLLUTION CONTROL BOARD**



(P.B. Patel)

Dy. ENVIRONMENT ENGINEER

Outward No:571845, 01/11/2020



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

Fax : (079) 23232156

Website : www.gpcb.gov.in

By R.P.A.D.

CONSOLIDATED CONSENT AND AUTHORIZATION (CC & A - Amendment)

CCA AMENDMENT NO: AWH - 116434

NO: GPCB/BRCH-B/CCA-6 (7)/ID-31664/

DT: /03/2022

To,
M/s. Adani Petronet (Dahej) Port Pvt Ltd
At & PO: Lakhigam,
Tal: Vagra, Dist: Bharuch.

SUB: Amendment in Consolidated Consent & Authorization (CC&A) under various Environmental Acts/ Rules.

REF: (1) Your application No. 201795 dated 02/09/2021.

(2) CCA No. AWH-109820 dated: 01/11/2020.

(3) CTE Amendment No: 111311 dated 22/02/2021

Sir,

This has reference to the CCA order no: AWH-109820 issued vide letter no. GPCB/BRCH-B/ CCA-06 (7)/ ID-31664/571845 dated 01/11/2020 which stands amended as under.

The Validity of this order shall be up to 16/07/2025.

1. Unit shall operate following facility:

| Sr. No. | Name of Facility | Quantity/Capacity (MMTPM) | | |
|---------|--|---------------------------|----------|-------|
| | | Existing | Proposed | Total |
| 1. | Port/Jetty having facilities for storage and distribution of solid cargo handling facility | 0.99 | 0.35 | 1.34 |

2. **Specific conditions:**

- Unit shall comply with all the conditions stipulated by MoEF & CC in the order of Environment Clearance & CRZ clearance issued vide letter no. F. No. 11-37/2007-IA III dated 14/10/2016.
- Unit shall not carry out any construction activities and production which attracts provisions of Environment Clearance without obtaining EC from competent authority under EIA notification dated 14/09/2006 and amended thereafter.
- Unit shall maintain ZLD.
- There shall be no change in water consumption, waste water generation and its mode of disposal due to proposed expansion.
- There shall be no change in fuel consumption and flue gas emission due to proposed expansion.
- There shall be no process gas emission due to proposed expansion.
- There shall be no change in Hazardous waste quantity / category due to proposed expansion.

- h) Unit shall follow coal storage and handling guideline framed by the Board.
3. All other conditions of the CCA order no: AWH-109820 issued vide letter no. GPCB/ BRCH-B/ CCA-06 (7)/ ID-31664/571845 dated 01/11/2020 shall remain unchanged.

FOR AND ON BEHALF OF
GUJARAT POLLUTION CONTROL BOARD


(IRFAN KARGI)
DY. ENVIRONMENT ENGINEER

Outward No: 625047, 09/03/2022

Annexure – 6: Environment Budget and Expenditure for the FY: 2022-23

| S. NO. | ACTIVITY/ CATEGORY | Cost incurred (IN LAC) | | | Budgeted Cost (INR IN Lacs) |
|-------------------------------|--|------------------------|---------------|---------------|-----------------------------|
| | | 2020- 2021 | 2021-2022 | 2022-2023 | 2022-2023 |
| 1. | EHS Manpower | 6.85 | 5.5 | 3.00 | 7.0 |
| 2. | Legal & Statutory Expenses | 7.16 | 1.12 | 0.15 | 1.0 |
| 3. | Environmental Monitoring Services | 16.52 | 14.71 | 5.50 | 16.0 |
| 4. | Cost for Water Consumption and use dust suppression | 46.08 | 84.62 | 134.0 | 126.0 |
| 5. | Hazardous Waste Management & Disposal | 2.72 | 1.32 | 2.00 | 3.0 |
| 6. | Greenbelt Development and Plantation | 44.00 | 38.0 | 15.58 | 42.21 |
| 7. | O&M of Sewage Treatment Plant | 6.77 | 5.99 | 3.00 | 6.0 |
| 8. | Environment Day Celebration | 0.10 | 0.36 | 0.35 | 0.50 |
| 9. | Treatment and Disposal of Bio-Medical Waste | 1.92 | 1.92 | 1.00 | 2.0 |
| 10. | Operation and Maintenance of Road Cleaning equipment and manpower | 49.83 | 61.68 | 24.27 | 62.26 |
| 11. | Operation and Maintenance of Fire staff engage in water sprinkling activity | 59.70 | 99.04 | 38.94 | 89.19 |
| 12. | Environmental Study / Audit and Consultancy | 3.07 | 0.54 | 0.30 | 1.0 |
| 13. | Bio Shield Project at village Malpur & Jambusar, Bharuch 1000m x 200m(1.0km) | 6.78 | 4.07 | 2.30 | 3.0 |
| 14. | Environment Display Board | 5.36 | 0.39 | 0 | 1.0 |
| Total Amount (In Lacs) | | 256.86 | 319.26 | 230.39 | 234.16 |

**Annexure-7: Compliance Status of EMP as mentioned in the EIA study For Phase-III
Expansion of Adani Petronet (Dahej) Port Pvt. Ltd.,**

| S. No. | EMP Conditions | Compliance Status |
|------------|---|---|
| A. | ENVIRONMENTAL MANAGEMENT PLAN (CONSTRUCTION PHASE) | |
| 1.1 | Air Quality Management Plan | |
| | Dust suppression systems will be installed for fugitive dust emission control while undertaking civil works. | Complying with. 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. | Complying with. 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. | Complied 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. | Complying with. 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. | Complying with. 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. | Complying with. 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. | Complying with. 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. | Complying with. All vehicles are being checked for PUC Certificate. |
| | DG set with appropriate stack height as per CPCB guidelines for effective dispersion of pollutants shall be provided. | Complying with. All DG sets (standby source) are provided with stack height in compliance to the CPCB standards. |
| 1.2 | Noise Quality Management Plan | |
| | DG set with acoustic enclosure will be installed for power supply to construction activities. | Complying with. 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. | Complying with. 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. | Complying with. <ul style="list-style-type: none"> All construction and operation activities are in compliance with the Noise level Norms. Monitoring of noise level is being done by M/s Pollucon Laboratories, NABL accredited, and MoEF&CC recognized laboratory. |

| S. No. | EMP Conditions | Compliance Status |
|------------|--|--|
| | | <ul style="list-style-type: none"> Monitoring reports are presented in the Annexure 3G. |
| | Onsite fabrication activities will be undertaken at a designated location, which should be located away from the office buildings and any other working areas. | Complying with. 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. | Complying with. <ul style="list-style-type: none"> There is no occasion till date for exceeding the noise level at the port boundary. Persons working in the fabrication yard are provided with PPEs. |
| | Portable diesel engine generators and diesel engine driven compressors, if any, will be covered with acoustic enclosures. | Complying with. All noise generating equipment's are provided with acoustic enclosures. |
| 1.3 | Sewage Management Plan | |
| | Sewage generated from the construction site will be treated in existing STP of 27 m ³ capacity. | Complying with. Domestic effluent is being treated in STPs. 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, 2022 to September, 2022 are enclosed as Annexure -3F . |
| | Treated water will be used for green belt development / landscaping after achieving GPCB prescribed standards. | |
| 1.4 | Solid and Hazardous Waste Management Plan | |
| | Solid waste generated will be segregated at source for biodegradable and non-biodegradable with an option of reuse or recycle before disposal | Complying with. <ul style="list-style-type: none"> All solid waste is being segregated for biodegradable and non-biodegradable. Biodegradable waste is being decomposed in vermicomposting yard and other waste is being disposed in compliance to the Solid Waste Management Rules - 2016. |
| | All hazardous waste generated will be categorized as per Hazardous Waste Management Rules, 2008. | Complying with. Hazardous waste is being managed in compliance to the Hazardous Waste Management Rules 2016. |
| | Recycle/Reuse waste will be sold to authorized recyclers | Complying with. Recyclable waste such as used oil, Discarded drum etc. is being sold to authorize recyclers only. |
| 1.5 | Construction Phase Storm Water Runoff | |
| | Existing storm water drainage network will be further strengthened and developed near the project site to prevent surface runoff to the sea. | Complying with. Storm water drainage system has been provided and regular maintenance is being done. |
| B. | ENVIRONMENTAL MANAGEMENT PLAN (OPERATION PHASE) | |
| 2.1 | Air Quality Management Plan - Coal Handling and Stock Yard Area: | |
| | 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. | Complying with. 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, | Complying with. |

| S. No. | EMP Conditions | Compliance Status |
|--------|---|--|
| | 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 | All dust control systems are maintained and operating well. 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. |
| | 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. | Complying with. <ul style="list-style-type: none"> • At coal stack yard, 130 sprinklers are maintained and operating well. • Pavement of the additional storage area is completed. Installation of water sprinklers and other DSS measures will be complete before storage of coal. |
| | 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. | Shall be complied. APPPL has installed wind breaking wall for dust pollution control in the open coal yard. The wind breaker wall is a porous perforated barrier. At the back of the wall, a low-velocity zone is formed. It effectively reduces the average wind speed, thereby prevents dust from moving, and achieves the purpose of dust suppression. The benefits include; <ul style="list-style-type: none"> ➤ Reduction of coal losses in open yard ➤ Saves water for dust suppression ➤ Improves the living conditions of local residents ➤ Improves the working conditions of the on-site staff Wind break walls have been erected around the coal stock pile area at a height of 14 m from the ground level. The length, width and thickness of each galvanized sheet based wind break metal shield are about 2950 mm, 1250 mm and 0.7 mm respectively. The aperture is round shaped and diameter of each aperture is about 3.5 to 4 mm. The aperture occupies 30 - 40% of a wind break sheet. Several wind break metal sheets are connected together, and have been fitted in structural beams to control the wind carryover of the dust from the stockpiles. An amount of 58 crore is spent by APDPPL in erecting and maintaining the wind breaking wall around the coal yard Wind breaker of the same specification shall be provided in the additional storage area once completed. |

| S. No. | EMP Conditions | Compliance Status |
|------------|---|--|
| | Road sweeping of dust is being undertaken using mobile van thereby preventing settled dust gets airborne due to movement of vehicles and high wind velocity and the same is recommended. | Complying with. 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. <ul style="list-style-type: none"> • Road cleaning by sweeping machine: APDPPL, have 02 nos. of large capacity road sweeping machine. Truck mounted Industrial Vacuum Cleaning Machines have road cleaning capacity substantially as the storage capacity of the chassis mounted vacuum machine are 04 tone/ hour each which allow rapid collection of spillage, dust and subsequent disposal. Manual Road Cleaning: 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. |
| | High-capacity vacuum cleaning machine installed at mobile truck is deployed for removal of dust settled on roads and the same practices will be implemented in the proposed project. | |
| | Regular wetting of the roads is undertaken through dedicated truck mounted spray arrangement with least water consumption. The same will be implemented in the proposed activities. | Complying with. Sprinkling of water is being done on the roads to control the dust. |
| 2.2 | Noise Control Management Plan | |
| | 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 | Shall be complied. Mechanization of the south jetty is yet to be done. |
| | DG sets installed in open area will be provided with acoustic enclosure | Complying with. DG sets installed in open area are provided with acoustic enclosure |
| | Compressors and Diesel generators and pump house will be installed in separate building provided with noise absorbing materials on the walls | Complying with. Compressor and DG sets & Pump house are installed in separate building and provided with acoustic enclosures. |
| | Movement of vehicles within the port will be restricted with speed control measures | Complying with. <ul style="list-style-type: none"> • Speed is limited within the port premises. • Proper signage also provided within the premises. |
| | Using silent exhaustion pipes for major diesel engine vehicles and heavy trucks operated inside the port | Complying with. All major diesel engine vehicles and heavy trucks operated inside the port are with silent exhaust. |

| S. No. | EMP Conditions | Compliance Status |
|------------|---|--|
| | Planting trees which act as barrier to arrest dispersion of noise levels along the internal roads and port boundary | Complying with. Green belt is being developed in an area of 23.39 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 | Complying with. 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 | Complying with. 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. |
| 2.3 | Storm Water Management Plan | |
| | Following areas will be provided with storm water drainage systems to prevent any surface run-off into the sea. <ul style="list-style-type: none"> • Reclamation of 23 Ha back up area • Coal stockpile development of 7.7 Ha area • Railway siding area | Complying with. Coal stockpile 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. |
| | • 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. | Complied with. Runoff from the coal storage is being routed through dump pond where all the particles settled down. |
| 2.4 | Solid & Hazardous Waste Management Plan | |
| | Port operator will prepare the robust waste management plan for the entire operations, process carried out during operation. As part of the plan, a scavenging boat will be anchored for collection of waste due to windblown into the sea. | Complying with. 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. | Complying with. All the wastes are being managed in compliance to the respective waste management rules as amended. |
| | Solid Waste generated during port operations will be disposed as per Solid Waste (Management & Handling) Rules 2000. Wherever possible the recycle and reuse will be explored for possibilities of recovery of any useful material. Option for recycle/reuse if not economical, then the waste will be disposed as per the SWM Rules, 2000. | |
| 2.5 | Green Belt Development Plan: | |

| 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. | Complying with. Three tier green belt is being developed in an area of 23.39 ha including periphery of the project boundary. The green belt has been developed with plantation of native species and species which helps in creating a barrier for coal dust movement. |
| | It is proposed to develop further three tier greenbelt to increase efficiency of dust control. | |
| 2.6 | Community Development Plan | |
| | <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>Health Promotions Programs</p> <ul style="list-style-type: none"> ✓ Health Camps and Health Awareness programs on Institutional Births and Immunization programs ✓ Mobile Clinic | Complied. The CSR activities are executed by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same are enclosed as Annexure – 8. |
| | <p>Education Promotion Programs</p> <ul style="list-style-type: none"> ✓ Providing sustenance funds for maintaining School Infrastructure like Drinking water Facilities, Sanitation facilities and providing supplies etc ✓ Providing scholarship programs ✓ Sport Coaching centre | |
| | <p>Economic Development Programs</p> <ul style="list-style-type: none"> ✓ Knowledge centre regarding various government schemes and latest technology ✓ Skill Development Training Programs | |
| | <p>Women Empowerment</p> <ul style="list-style-type: none"> ✓ Sanitation Promotion Programs ✓ Construction and Maintenance of Sanitation complex ✓ Awareness Programs | |
| | <p>Infrastructure development Programs</p> <ul style="list-style-type: none"> ✓ Developing internal roads of villages ✓ Developing drainage systems ✓ Solar Street Lights ✓ Construction / Maintenance of Community Halls ✓ Social Forestry | |
| 2.7 | Village Specific Infrastructure Development Programs: | |

| 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 Luvara Jageshwar | Developing Solar Street Light and Internal Village Roads |
| | 7. | Ambetha | Developing Drainage System |
| | 8. | Study Area Villages | Mobile Clinic providing medical facilities in the villages of the study area by having periodic visits and health camps. |
| | 9. | Study Area Villages | Developing Safe Drinking facilities at Schools in the study area. |
| | 10. | Jageshwar | Providing training programs on latest technology of fishing, free fishing equipments and providing vocational training programme for alternate income source. |
| 2.8 | Environmental Management Cell | | |
| | <p>APPPL has already established and maintained an Environmental Management Cell (EMC) with Head of Department (EHS), supported by field level executives and horticulturist for implementation of the compliance conditions as per Environmental Clearance obtained and GPCB Consent Conditions. Periodical monitoring activities are being undertaken by MoEF recognized and NABL accredited environmental laboratories. Environmental compliance reports are regularly submitted to MoEF regional office, Vadodara and New Delhi.</p> | | <p>Complied. 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 Annexure – 9.</p> |
| | <p>EMC will be further strengthened in view of the proposed expansion by augmenting resources such as manpower and field equipments, for effective compliance of</p> | | |

| S. No. | EMP Conditions | Compliance Status |
|--------|--|--|
| | environmental clearance conditions. Environmental monitoring program will be undertaken by MoEF recognized and NABL accredited environmental laboratories as part of compliance report preparation and its submission to GPCB, MoEF Regional Office, Vadodara and New Delhi. | |
| 2.9 | Cost Estimates for Environmental Management Plan: | |
| | The estimated total cost of the proposed project is Rs.464.32 Crores. Under the project, about Rs.173.35 Crores is allocated towards pollution control equipment, implementation of environmental pollution control measures and environmental management programs. | Complied. Separate budget is allocated for Environmental Management activities. <ul style="list-style-type: none"> • 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 2022-23 was approx. Rs. 235 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as Annexure –6. |



CSR DAHEJ
Six Monthly Report 2022-23

EDUCATION

SDG Alignment

Sustainable Development Goal 4

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

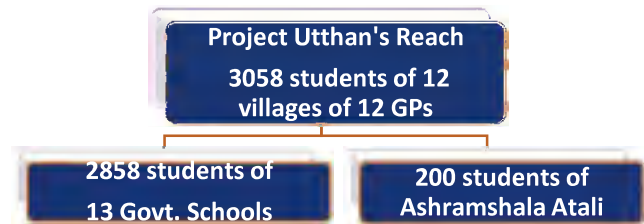
4.1 By 2030, ensure that all girls and boys complete free, equitable and quality primary and secondary education leading to relevant and effective learning outcomes

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

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

To foster students' learning abilities and achieve better learning outcomes at the grassroots, the Adani Foundation charted an innovative intervention in Year 2018-19 through Project Utthan at Mundra site. Same model is replicated at Dahej site. Adani Foundation, Dahej has signed an MoU with Department of Primary Education, Bharuch for implementation of project in 14 Govt. schools of project area. A separate MoU is signed with Ashramshala Atali. This comprehensive intervention entails:

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



Progressive Learners mainstreamed in Reading, Writing and Numeracy

Total 55 Progressive Learners out of 725 mainstreamed in Reading, Writing and Numeracy. In Reading: 19, Writing: 20 and Numeracy: 16. 725 Progressive learners identified out of 1561 students of 11 Schools from Class 3 to 6.

| School Name | Number of progressive learners (Reading) | Mainstreamed (Reading) | Number of progressive learners (Writing) | Mainstreamed (Writing) | Number of progressive learners (Numeracy) | Mainstreamed (Numeracy) |
|----------------------------------|--|------------------------|--|------------------------|---|-------------------------|
| Primary School Lakhigam | 123 | 0 | 123 | 3 | 123 | 0 |
| Primary School Luvara | 69 | 3 | 69 | 2 | 69 | 1 |
| Primary School Jageshwar | 48 | 2 | 48 | 1 | 48 | 1 |
| Primary School Ambetha | 48 | 2 | 48 | 2 | 48 | 2 |
| Primary School Dahej Kanyashala | 112 | 2 | 112 | 2 | 112 | 2 |
| Primary School Jolva | 68 | 3 | 68 | 3 | 68 | 3 |
| Primary School Suva | 87 | 3 | 87 | 3 | 87 | 3 |
| Primary School Ataliasharamshala | 56 | 1 | 56 | 1 | 56 | 1 |
| Primary School Koliyad | 29 | 0 | 29 | 3 | 29 | |
| Primary School Vegani | 24 | 1 | 24 | 1 | 24 | 1 |
| Primary School Kaladara | 61 | 2 | 61 | 2 | 61 | 2 |
| Total | 725 | 19 | 725 | 20 | 725 | 16 |

English as a third language in Class 1- 4: Achievements

In Gujarat, the Government introduced English in class 4. Project Utthan initiated English as a third language to provide basics of English from class 1 with a structured syllabus. 530 students are covered so far.

| S.N | School Name | Students | Teaching Activities | Remarks |
|-----|--------------------------|----------|---|---|
| 1 | Primary School Lakhigam | 84 | 1.ABCD identification and utter the words | 1. Students identifying the words |
| 2 | Primary School Luvara | 38 | 2. Three letter words identification | 2. Speaking ABCD without looking into books |
| 3 | Primary School Jageshwar | 47 | 3.English Alphabet poem | 3. Speak and write 1 to 10 numbers |
| 4 | Primary School Ambetha | 37 | 4.Numbers identification from 1 to 10 | |
| 5 | Dahej Kanyashala | 77 | Utthan Sahayaks taught students | |
| 6 | Primary School Jolva | 53 | - 3 letter words with phonetics | |
| 7 | Primary School Suva | 52 | - Matching 3 letter words with pictures | |
| 8 | Primary School Rahiyad | 61 | - Indoor games based on 3 letter words | |
| 9 | Primary School Vengni | 18 | - Free talk and counting numbers 1 to 50. | |
| 10 | Primary School Koliyad | 22 | | |
| 11 | Primary School Kaladara | 41 | | |
| 12 | Total | 530 | | |



Parental Engagement: Mothers' Meet

Project Utthan is conducting Mother's meet every month to discuss an academic and non- academic performance of the student.

Features of Mothers' meet

- Scheduled every second Saturday of each month.
- Pre decided agenda and status of action plan discussed at a length
- Meeting flow: Attendance - Prayer – Meeting agenda – action plan – recreational activities for mothers – Vote of thanks

| S.N | Utthan Sahayak | Village Name | Home Visit | Become Regular | Mothers Meet | No of Mothers | Changes |
|-----|----------------|--------------|------------|----------------|--------------|---------------|---|
| 1 | Ankitaben | Lakhigam | 35 | 4 | 8 | 36 | 1.Students seating at home for |
| 2 | Parulben | Luvara | 37 | 1 | 5 | 28 | homework and come with completed |
| 3 | Dineshbhai | Jageshwar | 39 | 2 | 7 | 17 | homework |
| 4 | Dimpalben | Ambetha | 46 | 4 | 5 | 53 | 2. Mothers send their children regular |
| 5 | Arunaben | Dahej | 76 | 2 | 6 | 23 | to school |
| 6 | Alpaben | Jolva | 51 | 3 | 6 | 32 | 3. The students come with neat and |
| 7 | Nilamben | Suva | 61 | 3 | 7 | 67 | clean at school |
| 8 | Dipikaben | Rahiyad | 34 | 1 | 6 | 72 | 4. Mothers send their children regular |
| 9 | Sarojbhai | Vengni | 48 | 1 | 5 | 31 | to school |
| 10 | Renukaben | Kaladara | 71 | 4 | 8 | 48 | 5. Nos of mother's participations is increased and regular follow up with Utthan Sahayaks |
| | | | | | | | 6. Nos of mother's participations is increased and Mothers regular follow up with Utthan Sahayaks about her child progress. |
| | | TOTAL | 498 | 25 | 63 | 407 | |



Summer Activities sessions in Project Utthan

Summer Session activities organized with objective of to help the students to improve their academic foundation as well as develop new skill through innovative ideas. 15 days sessions were focused on scholastic (curricular) and co-scholastic (co-curricular) areas.

| School Name | Home Visit | Students covered | Panchayat Member visited | SMC Member Visited |
|--------------------------|------------|------------------|--------------------------|--------------------|
| Primary School Lakhigam | 12 | 163 | 1 | 1 |
| Primary School Jageshwar | 33 | 154 | 0 | 2 |
| Primary School Koliyad | 36 | 103 | 0 | 0 |
| Primary School Vegni | 05 | 84 | 1 | 0 |
| Primary School Kaladara | 69 | 119 | 0 | 1 |
| Primary School Suva | 10 | 137 | 1 | 0 |
| Total | 165 | 760 | 3 | 4 |



Reading Corners

The National Education Policy (NEP) 2020 emphasizes the importance of well-stocked school libraries and digital libraries to attain the goal of foundational literacy for all children by the year 2025. Reading corners are developed in schools where students enjoy book reading.

| School Name | Books issued (Class 1 - 8) |
|--------------------------|----------------------------|
| Primary School Lakhigam | 42 |
| Primary School Luvara | 26 |
| Primary School Jageshwar | 18 |
| Primary School Ambetha | 21 |
| Dahej Kanyashala | 52 |
| Primary School Jolva | 30 |
| Primary School Suva | 31 |
| Primary School Rahiyad | 34 |
| Ashramshala Atali | 33 |
| Primary School Vengni | 21 |
| Primary School Kaladara | 38 |
| Total | 346 |



SUPER MOM ACTIVITY

Supper Mom activity held in Utthan Project Schools (Lakhigam, Luvara, Jageshwar, Ambetha, Dahej Kanyashala, Jolva, Suva, Koliyad, Vengani and Kaladara Schools).

- Children expressed their feelings for mothers on piece of papers by drawing, slogans, paintings and poems
- Total 659 students participated from class 4 to 8th std
- Total 96 mothers also participated



OTHER ACTIVITIES

Balmela organized in 11 schools as extracurricular activity to help the students to identify different areas of interest, increase self- confidence and build leadership skill. 222 students participated in Balmela activities.

Class-room decoration activity organized in Utthan Schools with objective of creating ownership of class-room where they work and study. Total 110 students have participated from class 3 to 8th in class-room decoration activity like table decoration with flowers, birthday chart, 7 days of week chart, paper craft etc.



DAYS CELEBRATION

- **75 Independence Day celebrated** in Utthan schools. Total 1050 students participated in various programs : singing patriotic songs, dance and speeches on great freedom fighters
- **National Sports Day celebrated** in 14 Govt. Schools to honor the birth anniversary of hockey hero Late Shri. Major Dhyan Chand. Utthan Sahayaks shared a short biography of Shri Major Dhyan Chnad in morning assembly, mini sports tournament for mothers and students were held and sports quiz competition were also organized for class 5 to 8 students.
- **Rakshabhandahan** celebrated in 13 Schools. Class 1 to 8 participated in the biodegradable Rakhi making activities and tying with trees.
- **Teachers' Day Celebration:** Total 230 students of class 6 to 8 participated in playing role of teachers. 13 no. of students selected as Headmasters' role in the schools
- **Grand Parents Day Celebrated** with 233 grand parents. They were greeted in special morning assembly with roses and cards made by the students.
- **Hindi Diwas Celebrated** in 11 schools with 2001 students. Students of class 6 to 8 presented Dohas of SaintTulsidas & Saint Kabir and wrote essays.
- **World Yoga Day"** celebrated in 14 schools of Vagra taluka by various activities and celebrations were held from 14th June to 22nd June 2022 at different places in which a total of 1350 children participated enthusiastically.

GSA @ 60 CELEBRATION

Sh. Gautambhai Adani Sir's 60th Birthday celebrated in 31 schools of Bharuch district. 6000 sweet packets distributed among the students. On this occasion Govt. officials, teachers, utthan sahayaks and students sent their best wishes to GSA Sir.



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

KEY HIGHLIGHTS

- Total 220 inseminations were done out of which 115 inseminations in cows i.e., 53% against total inseminations and remaining 105 in buffaloes i.e., 47% against total inseminations. Buffaloes are seasonal breeder therefore their breeding season will start from August onwards to January.
- Total 115 inseminations were done in cows out of which 66 inseminations were done w.e.f. April to September 2022 for which follow up was done for confirm pregnancy and 31 cows are found confirm pregnant. Conception rate in cows is 47%.
- Total 106 inseminations were done in buffaloes out of which 38 inseminations were done w.e.f. April to September 2022 for which follow up was done for confirm pregnancy and 19 buffaloes are found confirm pregnant. Conception rate in Buffaloes is 50.00%.
- Total 55 inseminations done in Gir cows and 45 non-descript cows inseminated with the use of pure Gir Semen.
- Highest number of inseminations were done in village Vengni - 83 where 37.72% against total number of inseminations during this period followed by Dahej and Lakhigam where 15% and 10.45% inseminations were done.
- On 100% Follow up basis 95 inseminations was completed which were done w.e.f. April to June 2022. Examination of 95 animals was done for confirm pregnancy out of which 50 animals were found confirm pregnant to overall conception rate is 52.63% nearly 53%.
- Total 92 calving reported during this period out of which 52 are in cows and 40 in buffaloes.
- Total 51 female calves are born out of 92 calving.

| Cattle Breeding Center Village Wise Details April to September- 2022 | | | | | | | | | | | | | | |
|--|------------|------------|------------|---------------------|------------|------------|-------------------|-----------|------------|-------------|-----------|--------------|-----------|-----------|
| Village | AI | | | Pregnancy Diagnosis | | | Conform Pregnancy | | | Cow Calving | | Buff Calving | | Total |
| | Cow | Buff | Total | Cow | Buff | Total | Cow | Buff | Total | Male | Female | Male | Female | |
| Lakhigam | 15 | 18 | 33 | 20 | 30 | 50 | 16 | 16 | 32 | 8 | 5 | 3 | 4 | 20 |
| Luvara | 14 | 9 | 23 | 10 | 7 | 17 | 3 | 8 | 11 | 1 | 1 | 1 | 0 | 3 |
| Jageshwar | 3 | 11 | 14 | 9 | 21 | 30 | 6 | 9 | 15 | 2 | 2 | 1 | 1 | 6 |
| Ambheta | 0 | 10 | 10 | 2 | 11 | 13 | 1 | 7 | 8 | 0 | 0 | 0 | 1 | 1 |
| Dahej | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Jolva | 0 | 4 | 4 | 0 | 4 | 4 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 |
| Suva | 1 | 18 | 19 | 2 | 13 | 15 | 2 | 4 | 6 | 0 | 0 | 0 | 2 | 2 |
| Rahiyad | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Koliyad | 1 | 7 | 8 | 0 | 12 | 12 | 0 | 6 | 6 | 0 | 2 | 3 | 3 | 8 |
| Atali | 68 | 15 | 83 | 92 | 22 | 114 | 35 | 10 | 45 | 7 | 8 | 0 | 2 | 17 |
| Vegni | 9 | 10 | 19 | 8 | 14 | 22 | 5 | 6 | 11 | 7 | 7 | 8 | 10 | 32 |
| Kaladra | 4 | 4 | 8 | 4 | 4 | 8 | 2 | 2 | 4 | 0 | 2 | 0 | 0 | 2 |
| Total | 115 | 106 | 221 | 147 | 138 | 285 | 70 | 69 | 139 | 25 | 27 | 16 | 24 | 92 |

SEX SORTED SEMEN

- During the year 2022-23 (up to September 2022), total 78 Artificial inseminations with the use of sex sorted semen were performed out of which follow up of 9 inseminations for confirm pregnancy was completed, 4 animals are found confirm pregnant
- During the year, total 11 calving reported and all 11 are female calves

CAPACITY BUILDING

5 nos. of trainings on animal management practices held in Suva, Rahiyad, Lakhigam, Vengani and Jageshwar villages. 225 farmers were trained out of which 169 were female participants and remaining 56 were males. These participants holds total 443 milking animals.

PROMOTION OF MINERAL MIXTURE

283kg mineral mixture was given to 113 farmers of 9 project villages

GREEN FODDER CULTIVATION

15 beneficiaries sowed green fodder stumps in 2.95 acres land. They have been receiving production continuously. Up to September 2022, the total production 134.10 ton and savings of 15 beneficiaries is **Rs. 3,74,580/-**.

IMPACT PERIOD: April to September 2022

| S.N | Particular | Amount Rs. | Remarks |
|-----------|--|------------|---------|
| 1 | Calving of 05 Cow & Buffalos progenies are occurred till date. Assuming average milk production per lactating progeny will be 2000 litters. Accordingly, it is expected that they will produce total 9000 litters of milk which is being sold @ Cow Rs. 35 & Buffalo 55/litter | 3,75,000 | |
| 2 | Total 185 female calves are born in project villages whose age wise valuation as Asset Value is in attached sheet. | 9,83,000 | |
| 3 | Total 140 male calves are born in project villages whose age wise valuation as Asset Value is in attached sheet. | 1,40,000 | |
| Total Rs. | | 14,98,000 | |

Created Female Asset Value Report Period: - April -2022 to Sept-2022

| S.N | Age (Month) | No of Female | | | Total Asset Value Rs. | | Remarks |
|-----|------------------|--------------|---------|-------|-----------------------|----------|---------------------------------|
| | | Cows | Buffalo | Total | Total | | |
| 1 | 0 to 6 | 97 | 72 | 169 | 2,000 | 3,38,000 | |
| 2 | 6 to 12 | - | - | - | 6,000 | - | - |
| 3 | 12 to 18 | - | - | - | 15,000 | - | - |
| 4 | 18 to Up 36 | - | - | - | 20,000 | - | - |
| 5 | 36 & above | - | - | - | 25,000 | - | - |
| 6 | Progeny AI | 2 | 2 | 4 | 30,000 | 1,20,000 | Cow Rs.25000 + Buffalo Rs.30000 |
| 7 | Progeny Pregnant | 3 | 4 | 7 | 37,500 | 2,62,500 | Cow Rs.35000 + Buffalo Rs.40000 |
| 8 | Progeny Calving | 3 | 2 | 5 | 52,500 | 2,62,500 | Cow Rs.45000 + Buffalo Rs.60000 |
| | TOTAL A | 105 | 80 | 185 | - | 9,83,000 | |

| BAIF Born Progeny Production Parameter April - September 2022 | | | | | | |
|---|----------------|-----------------------------|---|-----------------------|----------------------------------|----------------------------|
| S.N | Animal Species | No. of Animal in production | Average Milk Production in Lactation (in Litre) | Rate of Milk (in Rs.) | Total Milk Production (in litre) | Total Milk Income (in Rs.) |
| 1 | Cow | 3 | 2000 | 35 | 6000 | 210000 |
| 2 | Buffalo | 2 | 1500 | 55 | 3000 | 165000 |
| TOTAL B | | 5 | 3500 | 90 | 9000 | 375000 |
| TOTAL A+B | | | | | | 13,50,000 |

| Male Asset Value Report Period: - July-2022 to Sept-2022 | | | | | | | |
|--|-------------|------------|---------|-------|--------------------|-------------------|---------|
| S. N | Age (Month) | No of Male | | | Market Rate Rs. | Total Value Rs | Remarks |
| | | Cows | Buffalo | Total | | | |
| 1 | 0 to 6 | 63 | 40 | 103 | 1,000 | 1,03,000 | |
| 2 | 6 to 12 | - | - | | 2,000 | | - |
| 3 | 12 to 18 | - | - | | 5,000 | | - |
| 4 | 18 to 36 | - | - | | 8,000 | | - |
| 5 | 36 to 48 | - | - | | 15,000 | | - |
| 6 | 48 to 60 | - | - | | 25,000 | | - |
| Total | | 63 | 40 | 103 | - | 1,03,000 | |



PROJECT ANNAPURNA

Training on soil sample collection

AF team conducted theory and practical sessions on soil sample collection for soil test with 35 farmers of farmers of Koliyad and kaladara villages.

Points covered:

- Objective of the activity
- Suitable time for soil sample collection
- Farm preparation before soil sample collection
- Required tools
- What details should farmers mention with tag(Farmer name, land details, 2 contact numbers, Address, details of collect sample for how many land, last sowing crop)
- Selection of areas of the farm for sample collection

Smart Agriculture Activity

On 08 August'22 AF organized farmers' training on soil test report of farmers in Koliyad village. This training was conducted by Shri Lalit Patil- Agricultural Scientist Krishi Vigyan Kendra, Bharuch. 22 farmers participated in this training.

Points of discussion:

- Elements of soil analysis
- Recommendation of biological and chemical fertilizers as per crop report
- Micronutrients' importance in soil
- Discussion on green manure (green padwas)



Women Empowerment : Self Help Group: Achievements

| S.N | Group | Members | Type of Business | Monthly Saving (In Rs.) | Total Savings (In Rs.) | Six Month income (In Rs.) |
|-----|--|-----------|-------------------------|-------------------------|------------------------|---------------------------|
| 1 | Shiv Shakti Sakhi Mandal, Jageshwar village | 10 | Bag making & face masks | 1000/- | 77566/- | 1,36,750/- |
| 2 | Mahadev Mahila Sakhi Mandal, Luvara | 11 | Vermi compost | 1100/- | 57270/- | 29,840/- |
| 3 | Sadhdada Mahila Sakhi Mandal, Lakhigam village | 11 | Amul Parlour & Snacks | 5500/- | 99,659/- | 1,19,176/- |
| 4 | Ekta Mahila Sakhi Mandal, Jolva village | 10 | | 1000/- | 13237/- | |
| 5 | Guashala Mahila Sakhi Mandal, Suva | 10 | | 1000/- | 4000/- | |
| | Total | 52 | | | | 2.85,766/- |

Vande Gujarat Exhibition

SHG Mahadev Mahila Sakhi Mandal, Luvara got an opportunity to participate in "Sakhi Melo and Vande Gujarat" exhibition organized by District Livelihood Mission. In one week long 28th June to 4th July 2022 50 SHGs were participated



Gram Bharti 2022 #Vocal for local

Adani Foundation had organized Gram Bharti 2022 to promote SHGs products at big platform. SHGs of 5 states –

1. Gujarat: Mundra, Dahej & Hazira

2. Maharashtra: Tiroda & Dighi

3. Tamilnadu: Kattupalli

4. Chhattisgarh: Surguja & Raipur

5. Uttar Pradesh: Varanasi participated in the exhibition held at Adani Corporate House, Ahmedabad from 26th to 28th September 2022.

Bharuch special SUJANI and bamboo craft items got a big platform @ ACH. Bamboo craft items made by Primitive Tribe Group of KOTWALIYA women of JAY DEVMOGRAMAA GROUP, Hathakundi village (Netrang taluka of Bharuch District) got a good response.

Their total sale of 3 days: Rs.41000/- and they got an order of Rs.20000 from Adani Dahej Port.

Sujani is exquisitely woven into beautiful geometric designs and stuffed with clouds of cotton is made by Md. Mujakkir Sujaniwala and his family members. Total sale: Rs.20100/- and got an order of Rs. 25000/- from Adani group.



OTHER ACTIVITIES

Meeting with Shree Maharsingh Vaidik Gir Gaushala, Chandwara :

AF team visited Shree Maharsingh Vaidik Gir Gaushala, Chandwara Ta: Dabhoi, District: Vadodara and met Mr. Vipulbhai Rabari. He is a trained Panchadravya Therapist. This Gaushala works on objective of "Gay Thi Nirogi Jeevan". He would extend his support in training to SHGs, youths for jiwamrit, ghanamrit and other cow dung products and support in marketing of products.

Nurseries of Bharuch & Ankleshwar: Team paid visits to Rang Nursery, Vrindawan Nursery of Bharuch and Shri Nursery and other 3 for vermi compost selling produced by SHG.

Packaging units of GIDC, Bharuch: On 4th June 2022 AF team had meetings with G.Flexipack, Polymer Industries and Packaging Industries for different types of packaging materials for vermi compost bags at economical rate.



HON. CHAIRPERSON'S BIRTHDAY CELEBRATION by SHGs

On 29th Aug'22 Empowered SHG women celebrated birthday of 'Empowerment Icon' Dr. Priti G Adani Ma'am in Lakhigam village. 3 SHGs - Sadhdada Mahila Sakhi Mandal, Mahadev Mahila Sakhi Mandal & Shiv Shakti Sakhi Mandal invited AF team and old age women & other women for this great day. Experience sharing, cake cutting followed by garba were the main attraction. More than 80 women enjoyed the event.

- ✓ Birthday also celebrated in Project Utthan Schools. 1006 sweet packets distributed in Govt. Primary Schools as Primary School Lakhigam, Primary School Suva and Primary School Rahiyad. School students have sent birthday cards to respected Ma'am by post.



World Environment Day celebrated at Dahej Port and 5 tribal villages of Netrang taluka. 1375 nos. of plantation were done.

District Level Meeting for Van Mahotsav: AF participated in 73rd Vanmohotsav tree Plantation reference to Green Bharuch District-coordination meeting at Collector office Bharuch. Vanmohotsav objective & planning sharing by Ms. Urvashiben Deputy conservative forest Officer, Bharuch . District Collector Shri Tushar Sumera focused on microplanning to reach the target of tree plantation.

AF got appreciation letter from Forest Department for lead role in plantation in villages.



Jageshwar Panchayat Member visited AF Office

Sapanch – Naginbhai Rathod, PRI Members- Ranjitbhai Patel, Uday Patel, Arjunbhai Patel and Mukeshbhai visited AF office. Purpose of the visit was to get support from AF in village development through CSR activities. They appreciated CSR activities carried out in villages so far.

Jageshwar Panchayat discussed on

- Support to 20 marginalized fisherman of the villages
- New SHG formation
- Major role of AF in village development



Community Infrastructure Development

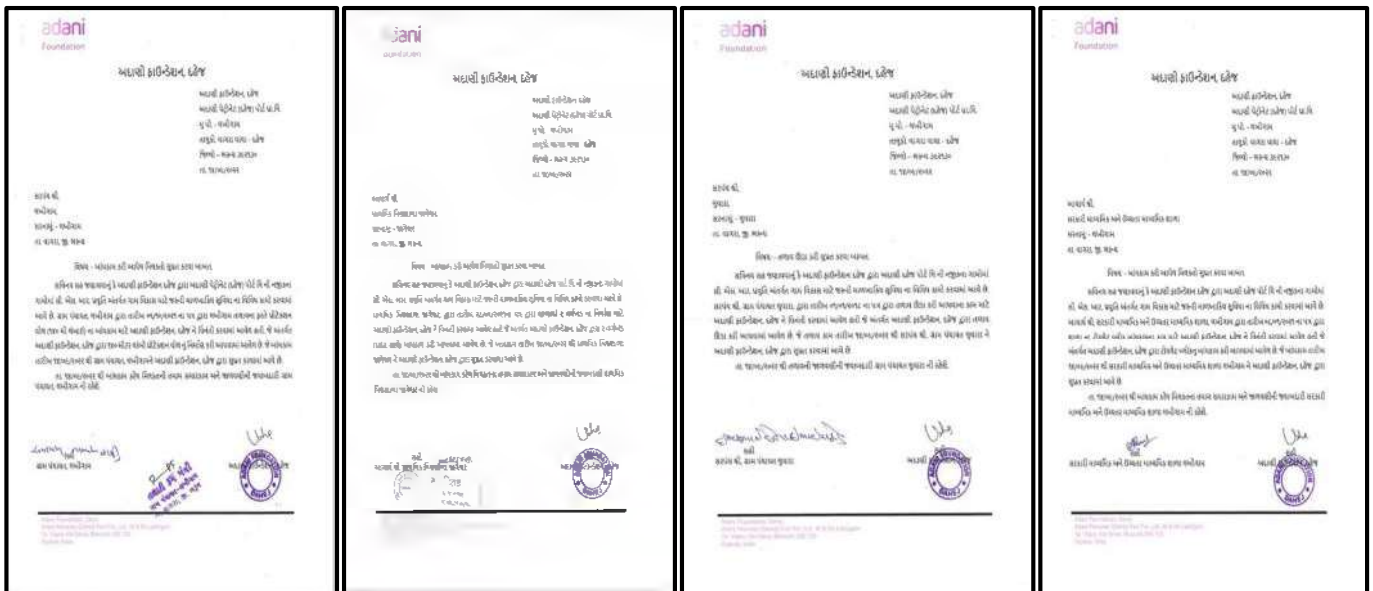
Work completed

- Library at Eklavya Vidyalaya, Thava, Ta. Netrang. Tribal area students of nearby 15 villages of Netrang and Dediapada will get benefitted. Seating capacity is 36 students
- Construction of 2 classrooms at Primary School, Jageshwar
- Construction of 140 m retention wall at Lakhigam pond
- Handover of structures:
 - ✓ 2 Classroom developed at Jageshwar School
 - ✓ Toilet block constructed at Lakhigam Secondary School
 - ✓ Construction of retention wall (140 m) at Lakhigam Pond
 - ✓ Bund strengthening of Luvara Pond



Thava Library, Netrang inaugurated by Sh. Capt. A.K.Singh, CEO – Dahej & Hazira Port

Classroom construction @ Primary School, Jageshwar



Work in Progress

- Green belt development around Luvara Pond
- Multi purpose hall, Lakhigam
- Play ground development @Samatpora School



TRIBAL DEVELOPMENT INITIATIVES

Interventions in tribal area of Bharuch District started on regular basis. 18 villages are divided into 2 clusters: Mauja Cluster & Vankhunta Cluster. AF team met stakeholders of the villages

- 51 nos of interactions with SHGs' members held in 18 villages of tribal area - Dabhal, Mahudikhanch, Koliyapada, Madvi, Pada, Vankhuta, Mugaj, Machamadi, Vankol, Umakhada, Anjoli, Mauza, Umadabara, Hathkundi, Pujpujya, Navijamuni, Junijamuni and Kavachiya.
- Meeting with Mr. Hiren Patel, Block Resource Coordinator-Netrang, Department of Education, Govt. of Gujarat, for support in CSR interventions of Adani Foundation in 18 villages of Netrang.
- Meeting with Shantuben Vasava, Taluka Livelihood Manager of Mission Magalam promoted by Gujarat State Livelihoods Promotion Company for support in activation of SHGs' which are inactive.
- Meeting with Pinteshbhai Multipurpose Health Worker (MHW) of Moriyana PHC & (Community Health Officer) CHO Ms. Kinjalben Parmar Mauza village for the support in planned interventions of Adani foundation in the Taluka Netrang.
- Adani Foundation visited 18 village sarpanches, 41 PRI members, 21 Asha workers, 17 Talatis and 18 School Head Teachers for sharing AF's CSR initiatives



HRIM Consultancy & AF's visit

Sh. Kshitij Sharma, Head – Monitoring and Evaluation, AF HO Ahmedabad and Hrim Consultancy, Delhi team Mr. Yashwardhan Singh, Damini Singh and Ayesha along with AF Dahej team visited tribal villages of Netrang block, Bharuch.

Points Discussed

- Health issues of women, Agriculture problems of community, Education issues and major issues come out during the discussion were lack of irrigation facilities, drinking water facility and accessibility to health and education institutions.
- Netrang Block- TDO Mr. R.C. Malik focused on agriculture, animal husbandry and water conservation interventions.



Insights for intervention in EDUCATION

- Coaching for National Means cum Merit Scholarship (NMMS). School teachers can give coaching. (1200rs. Financial assistance from 9th class to 12th class).
- We can promote kabaddi, kho-kho and athletics as students are active and have interest. They can perform better if they get proper training and support of sports materials.

AF team visited **Hathakundi and Mauza School, KVK SHG group Chasvad village and Thava School- Netrang Block**

- Kotwalia is one of the **Particularly Vulnerable Tribal Groups (PTGs)** in southern Gujarat. They have expertise in bamboo craft which traditionally is the major source of income for them.
- Total 312 Kotwalia families are in Hathakundi, Punjpujya, Mota Jamuniya, Pingot, Botangar, Varkhadi and Rupghant villages of Netrang taluka.

Insights for intervention:

- Need support in form of shed for baboo craft work in the village. They have the requirement of small machines for bamboo craft work.



Linkage with Govt. Schemes with objective Beneficiaries: Cattle dwellers, farmers & SHGs avail the benefits of Govt. schemes and get inclination towards natural farming

Adani Foundation, Dahej facilitated **23 dairy farmers** of 5 villages – Lakhigam, Luvara, Atali, Vengani & Kaladara to get register under Govt.'s Animal Husbandry scheme - **Mining assistance to pregnant cattle (cows / buffalos) of common breed breeders.** They will get benefit 100% written assistance for a total of 250 kg mining per beneficiary.

4 dairy farmers registered under scheme of Assistance to general caste cattle herders on purchase of power-driven **chaff cutter**. He will get benefit whichever is **75% subsidy** of the purchase price or Rs.18,000/- whichever is less. 2 beneficiaries have got the benefits.

2 dairy farmers registered under scheme of Plan for organizing the **best Animal Husbandry Award** Ceremony in the state. He will get benefit (1). Taluka Level Award - First Prize - Rs. 10000, Second Prize - Rs. 2000 (2). District Level - First Prize - Rs. 15000, Second Prize - Rs. 10000 (3). State Level Award - First Prize - Rs. 30,000, Second Prize - Rs. 30,000, third prize - Rs. 30,000 Total Prizes = 2

2 animal holder registered under scheme of Assistance on purchase of fodder after sterilization of cattle (cows / buffaloes) of common breeders. He will get benefit 100% per beneficiary for a total of 150 kg mining.



Meeting with District Livelihood mission: On 21st May AF team had a meeting with District Livelihood mission at Bharuch. Mr. Nilesh bhai Rathore, APM, Bharuch suggested income generation activities based on his field observations for Jolva village based SHG –

- Home made spices
- Banana & potato chips making
- Vegetables' selling

Jolva village has urbanized culture. Migrant workers in large nos. are residing here. There is a good scope for daily need items.

Meeting with officials of Farmers Training Center, Bharuch

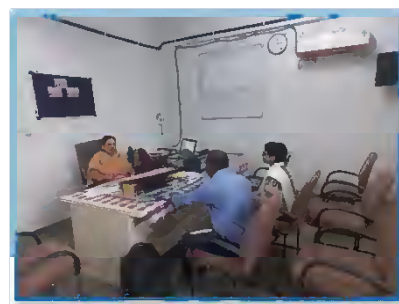
Mr. Suresh Panchal (ATMA Project Block Coordinator) and Mr. Imran bhai of training center shared about the details of training programs organize for farmers at village & district level.

Special training on Subhas Parekar Model of natural farming is also organized. In addition, exposure visits for farmers within district, out of district and out of state are also held.



Meeting with DIET, Bharuch Principal

- Ms. Komalben, Principal , DIET was happy with Project Utthan
- She focused on National Education Policy and Foundation Literacy and Numeracy.
- She referred the books I Meri Jadui Shala, Todo Chand, Diva Na Swapana for Utthan Sahayaks.
- She expressed her willingness to contribute to Project Utthan
- DIET will support in capacity building of Utthan Sahayaks



SUCCESS STORY

Silage effect on milk production

My name is Maheshbhai Haribhai Ahir. I live with my family at Atali village. Milk production and selling is our prime source of income. In my family we have 5 acres cultivable land and animal asset of 3 cows and 23 buffalos. At present 2 cows and 20 buffalos are in lactation period. This is our 2nd generation engaged in rearing of animals.

We face green fodder scarcity in summer as green fodder cultivation is affected due to lack of irrigation facility. In rainy season there is ample green fodder for the animals. Green fodder has an important role in milk production.

On 18.1.2022 Adani Foundation had conducted farmers meeting in our village. In this meeting we got information on – Silage making for animals feeding. Silage making would solve the problem of unavailability of green fodder in summer. In March 2022 I got 10 silage bags of 50kgs. Total silage: 500 kgs. After feeding of silage milk production increased by 2 litres per day (from current milk production 6 litres). Total increase in milk production 120 liters in 60 days and total increase in income Rs. 7200/- in just 60 days. I have compared my milk production of last year (2021) and this year (2022) of same season & same animal given in table.



| Income-Production in year 2021 | | | Income-Production in year 2022 | | | Remarks (In Rs.) |
|-----------------------------------|-------------------|-----------------------|-----------------------------------|-------------------|-----------------------|------------------|
| Last Year milk production (Liter) | Rate of Milk (Rs) | Income from Milk (Rs) | This Year milk production (Liter) | Rate of Milk (Rs) | Income from Milk (Rs) | |
| 300 | 60 | 18,000 | 480 | 60 | 28,800 | 10,800 |

I left Tobacco addiction: Illaben

My name is Illaben Vinodbhai Rathod, studying in class-6 at Kanya Shala Dahej. My parents, Vinodbhai and mother Manjuben are daily wage workers. We live in small Indira Awas got under Government Scheme. My two sisters are doing house cleaning & labour work in Dahej area. My parents were not taking too much interest in my studies as both were engaged with earning bread and butter for the family. Every day I used to go to my Aunt's house to get ready for going to school but my Aunt was addicted with tobacco chewing and alcohol. I had to stay with my aunt Dariyaben as there was no other option. It was continued for almost 3 years. In between I became a tobacco addict. Rather going to school, I helped my aunt in her household work. I was an irregular student – attained the class only four or five times in a month that affected my learning ability.

One day Utthan Sahayaks, Arunaben came in my Rathod community for home visit. She had a small meeting with my classmates' mothers and making them realization of importance of education and benefit of school going. I was standing next to her, and she asked me "which class you are studying" I was not able to utter a single word. My neighbor Dadi says "she is not going to school and simply wondering with peer groups."

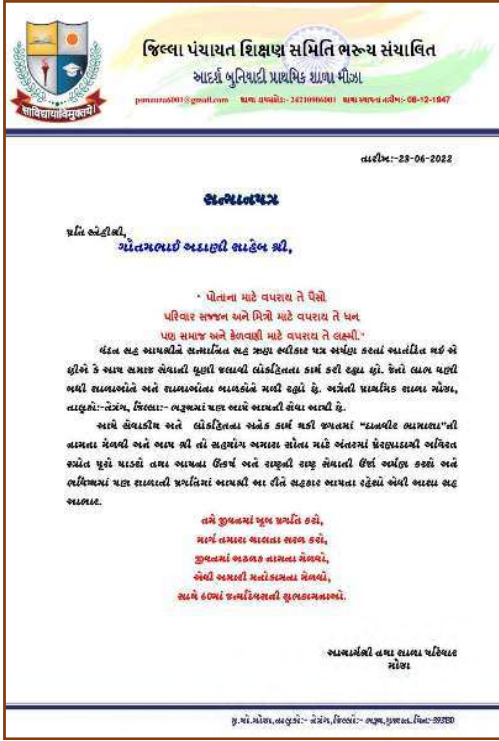
After knowing about me, Utthan Sahayak visited two times in a day to meet my parents and aunt to convince them about sending school. After her continuous efforts, she met with my parents and explained how absenteeism could affect learning ability of a child.

After long time I started going to school but my habit of taking tobacco chewing was continued. I didn't take tobacco during school time. I used to run away from school for taking tobacco to my Aunt's house. Utthan Sahayak explained the difficulties of an addicted person. She spent full days with me in the school, it was almost for a week.

Today, I am a regular student and taking interest in learning. I totally stopped tobacco chewing and myself get ready for school. I am grateful to Utthan Sahayak for supporting in such conditions and educated me on de-addiction. Within a month I am able to identify the numbers and Gujarati alphabets. She admitted that it is only possible through Arunaben (Utthan Sahayak).



APPRECIATION



ANNEXURE 1: Villages

| Adani Foundation- Dahej | | | | | | | | | | |
|----------------------------|-----------|----------|------------------|-----------|------------|----------------|--------|--------|-----------------------|-------------------|
| Villages around Dahej Port | | | | | | | | | | |
| S.N. | Village | District | Taluka/Bloc k | Panchayat | Households | Populatio n | Gender | | SC- Populatio n | ST- Population |
| | | | | | | | Male | Female | | |
| 1 | Lakhigam | Bharuch | Vagra | Lakhigam | 1217 | 4938 | 3144 | 1794 | 87 | 584 |
| 2 | Luvara | Bharuch | Vagra | Luvara | 385 | 1663 | 873 | 790 | 109 | 963 |
| 3 | Jageshwar | Bharuch | Vagra | Jageshwar | 383 | 1571 | 818 | 753 | 18 | 146 |
| 4 | Ambheta | Bharuch | Vagra | Ambheta | 347 | 1552 | 807 | 745 | 67 | 261 |
| 5 | Dahej | Bharuch | Vagra | Dahej | 3426 | 13495 | 8345 | 5150 | 542 | 2090 |
| 6 | Jolva | Bharuch | Vagra | Jolva | 338 | 1442 | 807 | 635 | 239 | 199 |
| 7 | Suva | Bharuch | Vagra | Suva | 413 | 1920 | 973 | 947 | 63 | 354 |
| 8 | Rahiyad | Bharuch | Vagra | Rahiyad | 355 | 1694 | 862 | 832 | 105 | 104 |
| 9 | Koliyad | Bharuch | Vagra | Koliyad | 152 | 676 | 321 | 355 | 57 | 323 |
| 10 | Kaladara | Bharuch | Vagra | Kaladara | 393 | 1663 | 934 | 729 | 108 | 570 |
| 11 | Vengani | Bharuch | Vagra | Vengani | 202 | 908 | 462 | 446 | 40 | 279 |
| 12 | Atali | Bharuch | Vagra | Atali | 239 | 1150 | 612 | 538 | 117 | 381 |
| 13 | Akhod | Bharuch | Vagra | Akhod | 174 | 831 | 435 | 396 | 69 | 305 |
| 14 | Galenda | Bharuch | Vagra | Galenda | 120 | 611 | 314 | 297 | 5 | 91 |
| 15 | Janiadara | Bharuch | Vagra | Janiadara | 150 | 729 | 361 | 368 | 25 | 248 |
| 16 | Nadarkha | Bharuch | Vagra | Nadarkha | 92 | 447 | 220 | 227 | 16 | 64 |
| 17 | Narnavi | Bharuch | Vagra | Narnavi | 151 | 692 | 349 | 343 | 64 | 140 |
| 18 | Padariya | Bharuch | Vagra | Padariya | 131 | 647 | 340 | 307 | 13 | 131 |
| 19 | Pakhajan | Bharuch | Vagra | Pakhajan | 255 | 1286 | 671 | 615 | 79 | 366 |
| 20 | Samatpur | Bharuch | Vagra | Samatpur | 79 | 367 | 182 | 185 | 4 | 49 |
| 21 | Sambheti | Bharuch | Vagra | Sambheti | 82 | 416 | 226 | 190 | 12 | 37 |
| 22 | Vadadla | Bharuch | Vagra | Vadadla | 201 | 822 | 419 | 403 | 76 | 341 |
| 23 | Vav | Bharuch | Vagra | Vav | 155 | 727 | 378 | 349 | 28 | 163 |
| 24 | Kadodara | Bharuch | Vagra | Kadodara | 420 | 1995 | 1018 | 977 | 48 | 511 |
| 25 | Bhensali | Bharuch | Vagra | Bhensali | 228 | 1123 | 582 | 541 | 45 | 415 |
| 26 | Khojbal | Bharuch | Vagra | Khojbal | 287 | 1513 | 782 | 731 | 40 | 425 |
| 27 | Kothia | Bharuch | Vagra | Kothia | 111 | 555 | 279 | 276 | 45 | 236 |
| 28 | Nandida | Bharuch | Vagra | Nandida | 160 | 719 | 383 | 336 | 64 | 267 |
| 29 | Amleshwar | Bharuch | Bharuch | Amleshwar | 494 | 2392 | 1261 | 1131 | 96 | 1233 |
| 30 | Bhadbhut | Bharuch | Bharuch | Bhadbhut | 786 | 3835 | 1953 | 1882 | 115 | 1036 |
| 31 | Eksal | Bharuch | Bharuch | Eksal | 194 | 938 | 467 | 471 | 47 | 285 |
| 32 | Hinglot | Bharuch | Bharuch | Hinglot | 395 | 2000 | 1037 | 963 | 109 | 261 |
| 33 | Kasva | Bharuch | Bharuch | Kasva | 272 | 1336 | 681 | 655 | 90 | 619 |
| 34 | Kesrol | Bharuch | Bharuch | Kesrol | 165 | 818 | 430 | 388 | 60 | 328 |
| 35 | Mahegam | Bharuch | Bharuch | Mahegam | 244 | 1235 | 656 | 579 | 21 | 246 |
| 36 | Manad | Bharuch | Bharuch | Manad | 233 | 1076 | 539 | 537 | 83 | 422 |
| 37 | Navetha | Bharuch | Bharuch | Navetha | 196 | 974 | 472 | 502 | 105 | 364 |
| 38 | Vadva | Bharuch | Bharuch | Vadva | 114 | 610 | 306 | 304 | 22 | 308 |
| 39 | Vesdada | Bharuch | Bharuch | Vesdada | 142 | 746 | 390 | 356 | 35 | 308 |
| 40 | Desan | Bharuch | Bharuch | Desan | 194 | 963 | 501 | 462 | 151 | 447 |
| | Total | | | | 14075 | 63075 | 34590 | 28485 | 3119 | 15900 |

| Jhagadia & Netrang Blcok tribal Village Detail | | | | | | | | | | | | |
|--|---------------|-----------|----------|----------|-----------|------------|--------|------|-------|----|-----|-----|
| Sl. | Village Name | Panchayat | Block | District | Household | Population | Gender | | Caste | | | |
| | | | | | | | M | F | ST | SC | OBC | GEN |
| 1 | Anjoli | Anjoli | Netrang | Bharuch | 288 | 1498 | 795 | 703 | 1498 | 0 | 0 | 0 |
| 2 | Hathakundi | Mouza | Netrang | Bharuch | 265 | 1349 | 671 | 678 | 1349 | 0 | 0 | 0 |
| 3 | Punjpuiya | Kavachiya | Netrang | Bharuch | 280 | 1142 | 574 | 568 | 1142 | 0 | 0 | 0 |
| 4 | Dabhal | Dabhal | Jhagadia | Bharuch | 153 | 844 | 416 | 428 | 844 | 0 | 0 | 0 |
| 5 | Junijamuni-1 | Mouza | Netrang | Bharuch | 270 | 1265 | 650 | 615 | 1265 | 0 | 0 | 0 |
| 6 | Kavachiya | Kavachiya | Netrang | Bharuch | 530 | 1870 | 940 | 930 | 1870 | 0 | 0 | 0 |
| 7 | Koliyapada | Vankol | Netrang | Bharuch | 130 | 874 | 439 | 435 | 874 | 0 | 0 | 0 |
| 8 | Machamadi | Vankhutha | Netrang | Bharuch | 143 | 724 | 356 | 368 | 724 | 0 | 0 | 0 |
| 9 | Madavi | Kantol | Jhagadia | Bharuch | 78 | 296 | 153 | 143 | 296 | 0 | 0 | 0 |
| 10 | Mahudikhach | Dabhal | Jhagadia | Bharuch | 78 | 270 | 145 | 125 | 270 | 0 | 0 | 0 |
| 11 | Mouza | Mouza | Netrang | Bharuch | 248 | 1175 | 533 | 642 | 1175 | 0 | 0 | 0 |
| 12 | Mugaj | Vankhutha | Netrang | Bharuch | 132 | 511 | 259 | 252 | 511 | 0 | 0 | 0 |
| 13 | Nava Jamuni-1 | Mouza | Netrang | Bharuch | 261 | 1000 | 450 | 550 | 1000 | 0 | 0 | 0 |
| 14 | Pada | Vankhutha | Netrang | Bharuch | 130 | 486 | 247 | 239 | 486 | 0 | 0 | 0 |
| 15 | Umadabara | Mouza | Netrang | Bharuch | 135 | 558 | 260 | 298 | 558 | 0 | 0 | 0 |
| 16 | Umarkhada | Vankol | Netrang | Bharuch | 172 | 883 | 468 | 415 | 883 | 0 | 0 | 0 |
| 17 | Vankol | Vankol | Netrang | Bharuch | 168 | 707 | 363 | 344 | 707 | 0 | 0 | 0 |
| 18 | Vankhutha | Vankhutha | Netrang | Bharuch | 268 | 852 | 440 | 412 | 852 | 0 | 0 | 0 |
| | Grand Total | | | | 3729 | 16304 | 8159 | 8145 | 16304 | 0 | 0 | 0 |

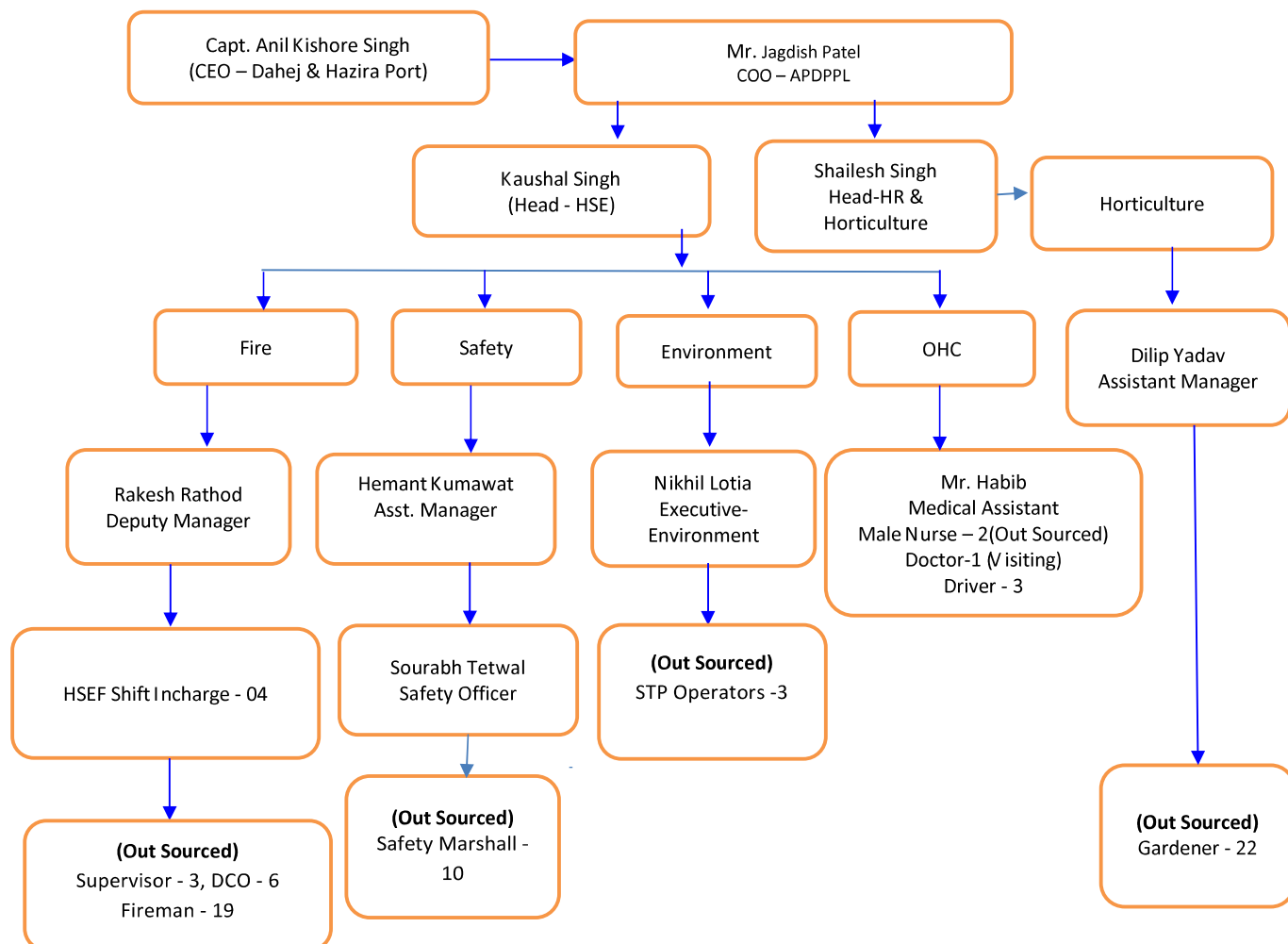
TOTAL POPULATION

| | | | | | | | Gender | | Caste | |
|--------------|----------|----------|-----------|-----------|--------------|--------------|--------------|--------------|-------------|--------------|
| S.N | District | Blocks | Village | Panchayat | Hoseholds | Population | Female | Male | SC | ST |
| 1 | Bharuch | Vagara | 28 | 28 | 10646 | 46152 | 20255 | 25897 | 1991 | 8700 |
| 2 | Bharuch | Bharuch | 12 | 12 | 3429 | 16923 | 8230 | 8693 | 934 | 5857 |
| 3 | Bharuch | Jhagadia | 3 | 3 | 309 | 1410 | 696 | 714 | 0 | 1410 |
| 4 | Bharuch | Netrang | 15 | 5 | 3420 | 14894 | 7449 | 7445 | 0 | 14894 |
| Total | 1 | 4 | 58 | 48 | 17804 | 79379 | 36630 | 42749 | 2925 | 30861 |

Annexure - 9: Organogram of APDPPL - Environment Management Cell

ADANI PETRONET (DAHEJ) PORT LTD.

Department: QHSE Management Cell



| Details of Environment Cell | | | | |
|-----------------------------|----------------|----------------------------------|---|-----------------|
| S. No. | Name | Designation | Qualification | Work Experience |
| 1. | Kaushal Singh | Associate Manager -HSE | Dip-Mech, PGDFS, NEBOSH | 16 Years |
| 2. | Rakesh Rathod | Deputy Manager - HSE | B.E. Mech., M. tech – Industrial Safety, PDIS | 16 Years |
| 3. | Dilip Yadav | Assistant Manager (Horticulture) | B. Tech Agriculture Science | 14 Years |
| 4. | Hemant Kumawat | Asst. Manager | Dip – Mech, Dip. In Fire & Safety, NEBOSH | 13 Years |
| 5. | Nikhil Lotia | Executive- (Environment) | B.E. Environment | 7 Years |