



**Ports and
Logistics**

Letter No.: APDPPL-EHS/MOEF RO/EC Comp (I&II)/2021

Date: 19.05.2022

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 October 2021 to March 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 October 2021 to March 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).

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ADANI PETRONET (DAHEJ) PORT PVT. LTD

**From: Oct. 2021
To : March 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: OCTOBER 2021 TO MARCH 2022)**

BY

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

**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.

List of Annexure

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

Sr. No.	Specific Conditions	Compliance																										
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 October 2021 to March 2022.)</td><td>Type of STP</td></tr><tr><td>80KLD</td><td>22.04 KLD</td><td>MBR</td></tr></table> <p>The treated water from STP is being utilized on land for horticulture purpose within port premises after achieving permissible norms prescribed in CCA order. Treated water report are attached in Annexure 3F. Summary of STP treated water analysis results during compliance period from October 2021 to March 2022 are mentioned below.</p> <table><tr><td>Parameters</td><td>Unit</td><td>Min</td><td>Max</td><td>Perm. Limit</td></tr><tr><td>PH</td><td>-</td><td>7.26</td><td>7.52</td><td>6.5- 8.5</td></tr><tr><td>TSS</td><td>mg/L</td><td>17</td><td>26</td><td>30</td></tr><tr><td>BOD (3 Days @ 27 °C</td><td>mg/L</td><td>13</td><td>18</td><td>20</td></tr></table>	Capacity	Quantity of Wastewater (Avg. from October 2021 to March 2022.)	Type of STP	80KLD	22.04 KLD	MBR	Parameters	Unit	Min	Max	Perm. Limit	PH	-	7.26	7.52	6.5- 8.5	TSS	mg/L	17	26	30	BOD (3 Days @ 27 °C	mg/L	13	18	20
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Half yearly Compliance report for Environment and CRZ Clearance for the development of Solid Cargo Port Terminal Phase – I and Phase – II.						
Sr. No.	Specific Conditions	Compliance				
		Residual Free Chlorine	mg/L	0.6	0.8	0.5(Min)
		Oil & Grease	mg/L	2.1	4.5	-
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. APPPL-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.				
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.				

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(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 in CRZ area 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. Summary of Piezometers analysis results during compliance period from October 2021 to March 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>29</td><td>30.2</td></tr><tr><td>pH</td><td>--</td><td>7.5</td><td>8.11</td></tr><tr><td>Total Dissolved Solids</td><td>mg/L</td><td>856</td><td>1272</td></tr><tr><td>Salinity</td><td>ppt</td><td>0.17</td><td>0.37</td></tr><tr><td>Chloride as Cl</td><td>mg/L</td><td>95</td><td>209</td></tr><tr><td>Depth of Water Level from Ground Level</td><td>meter</td><td>1</td><td>1.5</td></tr></table> Copies of monitoring reports are enclosed as Annexure 3B .	Test Parameter	Unit	Min	Max	Temperature	°C	29	30.2	pH	--	7.5	8.11	Total Dissolved Solids	mg/L	856	1272	Salinity	ppt	0.17	0.37	Chloride as Cl	mg/L	95	209	Depth of Water Level from Ground Level	meter	1	1.5
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P2(xiii), P1(xii)	The project shall not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/Electricity Department.	Complied. Project is commissioned after obtaining permission from PWD and Electricity Department.																												

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
		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.</p> <p>The feasibility study for rainwater harvesting was conducted. Based on the report it may be 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>
P2(xv), P1(xv)	No land reclamation should be carried out for this project.	<p>Complied.</p> <p>Project (Phase I & II) has been developed within existing land without any reclamation.</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(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 22.86 ha of green belt is developed which mainly includes <i>casuarina</i> , <i>wasigtonia palm</i> , <i>cassia samiea</i> , <i>peltoforum</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 29.04.2022. Last revision in the DMP was done on 20.04.2022 (Rev. 9).
General Conditions		

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), 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.
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. Construction of the project (Phase I & II) was completed on February 2011. During construction all facilities such as water supply, fuel, sanitation etc. was provided.
P2(iii), P1(iii)	The project authorities must make necessary arrangements for disposal of solid waste and for the treatment of effluents by providing a proper wastewater treatment plant outside the CRZ area. The quality of treated effluents, solid wastes and noise level etc. must conform to the standards laid down by the competent authorities 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. Copy of Noise level monitoring are enclosed as Annexure – 3G.
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

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(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 October 2021 to March 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 out the testing of various environmental parameters.	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. The monitoring results for the period from October 2021 to March 2022 are enclosed as Annexure – 3A to 3H.
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, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of revenue budget for Environment Cell for the FY 2021-22 was approx. Rs. 374.6 lacs. Details of the environmental budget and

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
		expenditure for the past 3 years is enclosed as Annexure –6.
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. Latest visit of Gujarat Pollution Control Board during the compliance period was on 01.02.2022.
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.

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(xvi), P1(xvi)	The Project proponents should inform the Regional Office at Bhopal as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of Land Development Work.	Complied. <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: Oct. 2021
To : March 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 conforming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from October 2021 to March 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 submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012. 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 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 APDPPL has a well-defined DMP and regular mock drills are being conducted. Mock drill is being conducted as per plan. Last Mock drill was conducted on 29.04.2022. Last revision in the DMP was done on 22.04.2022.
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	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
	proposed activities and the environmental impacts of the proposed activities.	
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	<p>Complied. Mangrove afforestation has been carried out in an area of 450 ha. Details are given below.</p> <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) <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>
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	<p>Complied. Construction of the project was completed in February 2011 in compliance to the approvals.</p>
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.	<p>Complied. Mangrove afforestation has been carried out in an area of 450 ha. Details are given below.</p> <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)

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
		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.
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.	Complied. <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.	Complied. APDPPL had obtained Environmental & CRZ Clearance on Nov 11, 2008 for phase 2 vide letter no.11-37/2007-IA.III.
P1(8)	The project proponents shall ensure that the local people shall be provided with an alternative access to the sea in case the existing access to Rock-Bund could not be made available to them.	Complied. Alternative access to the sea is available adjoining to the project site.
P1(9)	The project proponents shall ensure that the construction period shall be reduced by proper planning and executing the construction program in time-bound manner to avoid any time over-run.	Complied. Construction of the project was completed in February 2011.
P1(20)	The jetty and most of the approach would be supported on piles allowing adequate flow of water without significant obstruction.	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	

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(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 in CRZ area 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 22.86 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 revenue budget for Environment Cell for the FY 2021-22 was approx. Rs. 374.6 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as 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.
P2(21),P1(25)	A separate environmental management cell with qualified personnel shall be created for	Complied. APDPPL has a well-structured Environment Management Cell with qualified manpower for implementation of the

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																														
	environmental monitoring and management during construction and operational phases of the project.	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 through NABL accredited & MoEF&CC recognized laboratory M/s Pollucon Laboratories, Surat. Monitoring Report for the period October 2021 to March 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. Please refer below for the details regarding past 9 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> </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
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1	Apr'17 to Sep'17	28.11.2017																														
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9	April '21 to Sep. '21	29.11.2021																														
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 being implemented in Gujarat by GEER Foundation, Gandhinagar, in consultation with Forests and Environment Department.	Complied. A request in this regard for asking for the terms of Financial Contribution submitted to the GEER Foundation vide letter dated 17th April, 2009.																														

Annexure – 1:

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

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

S. No.	Condition	Compliance
1	The legal status of the forest land shall remain unchanged	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	5031 KL
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 October-21 to March-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	01/10/2021	79.34	36.51	ND*	ND*	ND*	ND*	1.01	ND*	29.37	19.83	38.57	23.67
2	05/10/2021	87.57	46.95	ND*	ND*	ND*	ND*	0.47	ND*	41.27	24.77	40.26	20.35
3	08/10/2021	73.35	35.69	ND*	ND*	ND*	ND*	0.66	ND*	37.93	17.61	32.46	28.73
4	12/10/2021	83.44	48.44	ND*	ND*	ND*	ND*	0.82	ND*	44.56	25.37	37.63	18.96
5	15/10/2021	94.33	52.44	0.65	ND*	2.36	10.64	0.65	ND*	35.24	22.78	45.37	24.52
6	19/10/2021	89.38	45.47	ND*	ND*	ND*	ND*	0.98	ND*	38.48	27.24	41.23	27.36
7	22/10/2021	78.32	39.44	ND*	ND*	ND*	ND*	1.02	ND*	43.48	21.40	30.46	26.57
8	26/10/2021	93.55	50.34	0.72	ND*	2.52	10.86	0.94	ND*	24.65	13.22	36.93	29.34
9	29/10/2021	86.25	47.55	ND*	ND*	ND*	ND*	0.87	ND*	33.15	20.34	42.33	25.38
10	02/11/2021	94.34	52.64	0.76	ND*	2.62	10.32	0.65	ND*	43.95	24.32	37.61	24.35
11	06/11/2021	82.68	47.54	ND*	ND*	ND*	ND*	0.77	ND*	36.34	26.39	42.24	19.46
12	09/11/2021	93.62	53.45	0.65	ND*	2.58	10.63	0.88	ND*	32.58	20.64	34.24	21.36
13	12/11/2021	86.64	45.63	ND*	ND*	ND*	ND*	0.62	ND*	28.82	23.45	38.15	28.95
14	16/11/2021	73.62	31.35	ND*	ND*	ND*	ND*	0.84	ND*	33.45	25.70	44.33	30.54
15	19/11/2021	83.42	43.52	ND*	ND*	ND*	ND*	0.64	ND*	41.42	15.36	36.47	26.87
16	23/11/2021	77.67	36.49	ND*	ND*	ND*	ND*	0.87	ND*	35.42	19.25	40.55	29.41
17	26/11/2021	84.77	46.55	ND*	ND*	ND*	ND*	0.78	ND*	42.66	22.69	31.53	27.57
18	30/11/2021	91.28	50.30	0.86	ND*	2.35	10.51	0.73	ND*	48.54	18.64	28.35	23.83
19	03/12/2021	90.26	51.23	0.65	ND*	2.76	10.37	0.22	ND*	26.42	18.28	40.22	25.66
20	07/12/2021	75.36	38.42	ND*	ND*	ND*	ND*	0.56	ND*	31.44	16.20	32.62	29.34
21	10/12/2021	80.25	46.32	ND*	ND*	ND*	ND*	0.52	ND*	40.27	24.61	42.48	20.34
22	14/12/2021	76.55	42.66	ND*	ND*	ND*	ND*	0.74	ND*	35.46	19.74	36.36	27.54
23	17/12/2021	91.23	53.54	0.73	ND*	2.46	10.68	0.90	ND*	44.55	26.30	41.58	19.37
24	21/12/2021	84.23	47.63	ND*	ND*	ND*	ND*	0.77	ND*	30.62	22.38	39.26	30.86
25	24/12/2021	89.48	52.19	0.61	ND*	2.54	10.84	0.94	ND*	41.26	15.48	33.55	21.65

Authorized Signatory





POLLUCON LABORATORIES PVT. LTD.

26	28/12/2021	78.66	36.42	ND*	ND*	ND*	ND*	0.65	ND*	34.34	20.83	44.24	28.62
27	04/01/2022	93.46	50.21	0.85	ND*	2.82	10.50	0.71	ND*	19.42	22.55	44.61	28.36
28	07/01/2022	76.96	41.26	ND*	ND*	ND*	ND*	0.85	ND*	24.85	18.65	24.21	24.33
29	11/01/2022	90.36	49.42	ND*	ND*	ND*	ND*	0.96	ND*	37.55	21.58	31.83	29.24
30	14/01/2022	85.85	44.55	ND*	ND*	ND*	ND*	0.44	ND*	21.27	25.32	42.21	21.85
31	18/01/2022	92.25	51.18	0.65	ND*	2.76	10.37	0.72	ND*	39.44	23.42	34.57	26.87
32	21/01/2022	77.68	39.44	ND*	ND*	ND*	ND*	0.97	ND*	35.78	17.74	37.58	19.78
33	25/01/2022	94.55	53.47	0.72	ND*	2.64	10.68	0.65	ND*	33.64	24.37	32.57	23.33
34	28/01/2022	82.73	45.38	ND*	ND*	ND*	ND*	0.81	ND*	26.94	16.45	38.88	30.28
35	01/02/2022	80.38	46.50	0.72	ND*	2.56	10.85	0.97	ND*	46.18	20.14	36.54	29.57
36	04/02/2022	86.37	49.69	ND*	ND*	ND*	ND*	0.64	ND*	34.46	25.43	42.57	26.55
37	08/02/2022	79.54	41.55	0.84	ND*	2.46	10.66	0.81	ND*	27.82	15.69	38.45	22.47
38	11/02/2022	71.56	38.45	ND*	ND*	ND*	ND*	0.87	ND*	37.46	24.35	33.45	15.94
39	15/02/2022	67.65	29.22	ND*	ND*	ND*	ND*	0.65	ND*	41.76	21.56	37.53	21.53
40	18/02/2022	76.52	43.58	ND*	ND*	ND*	ND*	0.48	ND*	23.57	19.64	29.35	24.75
41	22/02/2022	88.47	51.43	0.86	ND*	2.22	10.48	0.76	ND*	39.74	16.83	41.63	28.41
42	25/02/2022	83.42	47.55	ND*	ND*	ND*	ND*	0.57	ND*	48.52	22.43	35.21	31.23
43	01/03/2022	74.57	44.55	ND*	ND*	ND*	ND*	0.84	ND*	38.44	19.31	30.37	21.57
44	04/03/2022	80.56	47.53	0.64	ND*	2.36	10.21	0.93	ND*	26.35	22.34	33.32	23.57
45	08/03/2022	76.55	36.61	ND*	ND*	ND*	ND*	1.00	ND*	35.46	25.39	40.27	26.53
46	11/03/2022	86.68	50.74	0.68	ND*	2.22	10.83	0.61	ND*	23.27	16.20	36.33	14.74
47	15/03/2022	77.54	40.34	ND*	ND*	ND*	ND*	0.56	ND*	31.82	14.44	39.36	20.65
48	18/03/2022	90.47	51.36	0.74	ND*	2.56	10.90	0.76	ND*	25.37	23.49	41.53	27.96
49	22/03/2022	70.63	38.13	ND*	ND*	ND*	ND*	0.57	ND*	29.52	15.36	35.53	29.63
50	25/03/2022	78.44	42.33	ND*	ND*	ND*	ND*	0.68	ND*	33.82	21.25	37.65	25.87
51	29/03/2022	83.57	45.36	ND*	ND*	ND*	ND*	0.95	ND*	21.58	27.86	42.58	28.89

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



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● 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	01/10/2021	71.15	33.57	ND*	ND*	ND*	ND*	0.42	ND*	20.65	9.26	23.45	24.25
2	05/10/2021	79.63	36.33	ND*	ND*	ND*	ND*	0.76	ND*	27.58	18.25	27.63	13.45
3	08/10/2021	63.34	28.65	ND*	ND*	ND*	ND*	0.63	ND*	30.33	13.74	30.32	19.54
4	12/10/2021	58.32	31.66	ND*	ND*	ND*	ND*	1.03	ND*	18.57	11.82	28.43	26.47
5	15/10/2021	77.68	41.27	ND*	ND*	ND*	ND*	0.49	ND*	15.35	19.32	36.45	21.63
6	19/10/2021	56.38	26.57	ND*	ND*	ND*	ND*	0.78	ND*	26.24	24.49	32.29	16.41
7	22/10/2021	61.93	32.47	ND*	ND*	ND*	ND*	0.58	ND*	31.82	14.38	20.70	22.39
8	26/10/2021	73.86	40.33	ND*	ND*	ND*	ND*	0.64	ND*	16.12	17.40	29.32	20.81
9	29/10/2021	68.47	34.56	ND*	ND*	ND*	ND*	0.38	ND*	23.74	15.58	35.33	23.54
10	02/11/2021	73.68	40.37	ND*	ND*	ND*	ND*	0.33	ND*	16.85	15.80	26.44	16.89
11	06/11/2021	69.37	28.48	ND*	ND*	ND*	ND*	0.56	ND*	19.64	19.62	29.67	12.69
12	09/11/2021	82.44	35.43	ND*	ND*	ND*	ND*	0.25	ND*	26.86	12.54	23.62	18.31
13	12/11/2021	50.25	18.64	ND*	ND*	ND*	ND*	0.55	ND*	12.88	9.53	19.74	24.22
14	16/11/2021	56.35	22.60	ND*	ND*	ND*	ND*	0.24	ND*	23.65	17.88	32.45	28.34
15	19/11/2021	71.52	34.81	ND*	ND*	ND*	ND*	0.18	ND*	27.65	11.39	18.91	22.62
16	23/11/2021	54.64	26.56	ND*	ND*	ND*	ND*	0.63	ND*	21.35	10.29	33.56	15.18
17	26/11/2021	70.36	38.69	ND*	ND*	ND*	ND*	0.26	ND*	33.63	16.61	22.64	23.37
18	30/11/2021	76.53	41.52	ND*	ND*	ND*	ND*	0.61	ND*	43.55	13.54	25.67	11.68
19	03/12/2021	70.62	47.55	ND*	ND*	ND*	ND*	0.17	ND*	17.58	10.73	29.35	10.35
20	07/12/2021	51.87	26.36	ND*	ND*	ND*	ND*	0.27	ND*	13.73	6.52	15.67	15.35
21	10/12/2021	67.86	36.37	ND*	ND*	ND*	ND*	0.39	ND*	31.55	20.35	38.66	13.69
22	14/12/2021	62.84	30.55	ND*	ND*	ND*	ND*	0.63	ND*	23.46	14.28	31.29	17.34
23	17/12/2021	71.53	39.22	ND*	ND*	ND*	ND*	0.34	ND*	33.45	21.68	34.35	25.39
24	21/12/2021	78.38	42.45	ND*	ND*	ND*	ND*	0.31	ND*	22.27	19.82	36.51	18.55
25	24/12/2021	65.74	37.32	ND*	ND*	ND*	ND*	0.33	ND*	30.45	12.29	18.97	26.33
26	28/12/2021	53.47	27.06	ND*	ND*	ND*	ND*	0.47	ND*	26.23	23.09	40.31	21.25
27	04/01/2022	82.62	37.66	ND*	ND*	ND*	ND*	0.61	ND*	14.35	17.27	40.63	15.63
28	07/01/2022	65.64	33.57	ND*	ND*	ND*	ND*	0.36	ND*	20.32	15.39	18.94	18.21

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29	11/01/2022	78.53	46.41	ND*	ND*	ND*	ND*	0.14	ND*	25.73	18.46	28.93	22.63
30	14/01/2022	72.94	40.32	ND*	ND*	ND*	ND*	0.34	ND*	10.92	20.76	32.94	26.67
31	18/01/2022	85.63	47.56	ND*	ND*	ND*	ND*	0.41	ND*	34.65	12.43	29.89	23.42
32	21/01/2022	53.63	28.62	ND*	ND*	ND*	ND*	0.23	ND*	31.07	14.37	34.27	14.56
33	25/01/2022	81.53	44.51	ND*	ND*	ND*	ND*	0.77	ND*	17.52	19.37	23.53	12.26
34	28/01/2022	71.95	32.34	ND*	ND*	ND*	ND*	0.32	ND*	35.45	10.75	31.25	17.53
35	01/02/2022	68.30	35.70	ND*	ND*	ND*	ND*	0.86	ND*	15.72	16.61	33.22	12.88
36	04/02/2022	76.56	30.27	ND*	ND*	ND*	ND*	0.40	ND*	26.13	19.76	37.65	24.85
37	08/02/2022	70.34	38.63	ND*	ND*	ND*	ND*	0.22	ND*	23.78	7.73	23.62	21.67
38	11/02/2022	49.23	20.60	ND*	ND*	ND*	ND*	0.52	ND*	20.45	15.21	27.27	14.33
39	15/02/2022	62.43	26.34	ND*	ND*	ND*	ND*	0.71	ND*	30.87	10.79	24.26	19.76
40	18/02/2022	71.34	41.87	ND*	ND*	ND*	ND*	0.41	ND*	17.58	12.61	21.42	10.73
41	22/02/2022	78.35	33.57	ND*	ND*	ND*	ND*	0.44	ND*	19.26	14.67	34.27	15.32
42	25/02/2022	69.34	37.23	ND*	ND*	ND*	ND*	0.24	ND*	42.88	9.54	26.47	20.77
43	01/03/2022	50.55	23.87	ND*	ND*	ND*	ND*	0.37	ND*	11.46	13.53	18.68	16.65
44	04/03/2022	73.18	40.35	ND*	ND*	ND*	ND*	0.53	ND*	21.24	18.95	27.52	28.05
45	08/03/2022	66.55	33.64	ND*	ND*	ND*	ND*	0.36	ND*	22.98	16.88	35.48	17.85
46	11/03/2022	59.37	37.52	ND*	ND*	ND*	ND*	0.46	ND*	12.47	12.26	21.65	20.46
47	15/03/2022	67.54	28.52	ND*	ND*	ND*	ND*	0.18	ND*	18.34	9.49	23.53	15.65
48	18/03/2022	78.62	42.86	ND*	ND*	ND*	ND*	0.50	ND*	20.56	15.62	33.53	18.94
49	22/03/2022	62.12	30.56	ND*	ND*	ND*	ND*	0.69	ND*	13.44	11.48	30.56	26.33
50	25/03/2022	49.54	22.42	ND*	ND*	ND*	ND*	0.41	ND*	24.98	17.34	34.92	12.23
51	29/03/2022	63.48	34.83	ND*	ND*	ND*	ND*	0.63	ND*	15.92	21.76	36.54	19.28

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

Note: 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

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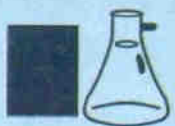


Table No.: 1.3 - Ambient Air Quality Monitoring Results At Sub-Station-7B Building

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	01/10/2021	49.33	20.47	ND*	ND*	ND*	ND*	0.62	ND*	11.47	15.43	18.32	11.16
2	05/10/2021	57.44	29.55	ND*	ND*	ND*	ND*	0.46	ND*	19.24	11.56	22.33	15.56
3	08/10/2021	48.68	24.54	ND*	ND*	ND*	ND*	0.73	ND*	15.42	6.26	15.65	13.33
4	12/10/2021	54.54	30.26	ND*	ND*	ND*	ND*	0.95	ND*	34.34	14.64	24.70	17.31
5	15/10/2021	71.35	33.18	ND*	ND*	ND*	ND*	0.24	ND*	22.36	8.61	32.86	27.64
6	19/10/2021	78.33	37.28	ND*	ND*	ND*	ND*	0.71	ND*	21.37	19.72	28.66	21.72
7	22/10/2021	68.64	26.36	ND*	ND*	ND*	ND*	0.21	ND*	16.87	12.63	25.34	12.09
8	26/10/2021	53.46	32.52	ND*	ND*	ND*	ND*	0.55	ND*	13.57	10.26	19.47	16.15
9	29/10/2021	56.34	28.29	ND*	ND*	ND*	ND*	0.22	ND*	20.35	13.93	31.74	19.85
10	02/11/2021	84.55	33.67	ND*	ND*	ND*	ND*	0.58	ND*	13.46	8.84	15.53	20.63
11	06/11/2021	64.94	36.44	ND*	ND*	ND*	ND*	0.52	ND*	14.85	15.67	27.75	11.36
12	09/11/2021	58.62	25.63	ND*	ND*	ND*	ND*	0.37	ND*	19.52	10.29	20.45	17.55
13	12/11/2021	71.78	29.24	ND*	ND*	ND*	ND*	0.46	ND*	17.65	7.88	14.87	19.25
14	16/11/2021	45.33	16.28	ND*	ND*	ND*	ND*	0.41	ND*	11.38	13.50	21.34	16.71
15	19/11/2021	53.62	21.63	ND*	ND*	ND*	ND*	0.15	ND*	31.32	17.60	29.37	18.29
16	23/11/2021	46.72	18.65	ND*	ND*	ND*	ND*	0.50	ND*	27.56	9.12	22.47	23.54
17	26/11/2021	65.64	34.18	ND*	ND*	ND*	ND*	0.45	ND*	24.34	14.27	18.33	12.84
18	30/11/2021	52.46	24.86	ND*	ND*	ND*	ND*	0.11	ND*	35.67	6.49	16.33	14.34
19	03/12/2021	64.36	35.86	ND*	ND*	ND*	ND*	0.11	ND*	14.55	7.79	16.37	19.67
20	07/12/2021	46.36	23.93	ND*	ND*	ND*	ND*	0.32	ND*	17.26	14.53	20.42	17.66
21	10/12/2021	70.32	28.53	ND*	ND*	ND*	ND*	0.49	ND*	21.87	17.25	26.32	11.56
22	14/12/2021	52.78	25.40	ND*	ND*	ND*	ND*	0.23	ND*	12.67	11.68	23.68	13.72
23	17/12/2021	77.62	48.12	ND*	ND*	ND*	ND*	0.58	ND*	26.38	15.31	18.64	20.64
24	21/12/2021	69.15	38.88	ND*	ND*	ND*	ND*	0.29	ND*	16.24	9.87	32.31	12.44
25	24/12/2021	56.82	29.71	ND*	ND*	ND*	ND*	0.42	ND*	23.96	6.63	14.53	15.63
26	28/12/2021	61.42	33.48	ND*	ND*	ND*	ND*	0.26	ND*	18.96	13.44	22.74	10.75
27	04/01/2022	65.37	27.53	ND*	ND*	ND*	ND*	0.47	ND*	17.26	16.76	22.34	21.52
28	07/01/2022	58.62	24.39	ND*	ND*	ND*	ND*	0.21	ND*	11.35	13.52	29.11	15.35

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29	11/01/2022	67.16	34.44	ND*	ND*	ND*	ND*	0.62	ND*	31.84	11.34	21.31	18.65
30	14/01/2022	79.08	31.67	ND*	ND*	ND*	ND*	0.57	ND*	13.77	15.73	25.67	14.45
31	18/01/2022	74.23	37.55	ND*	ND*	ND*	ND*	0.38	ND*	21.53	7.73	19.62	12.66
32	21/01/2022	48.35	23.48	ND*	ND*	ND*	ND*	0.70	ND*	24.32	12.45	30.45	17.25
33	25/01/2022	68.74	26.85	ND*	ND*	ND*	ND*	0.33	ND*	22.64	8.94	15.34	20.52
34	28/01/2022	60.24	29.50	ND*	ND*	ND*	ND*	0.58	ND*	16.54	6.65	20.23	25.62
35	01/02/2022	63.52	31.26	ND*	ND*	ND*	ND*	0.21	ND*	23.82	6.66	17.57	17.53
36	04/02/2022	71.52	36.44	ND*	ND*	ND*	ND*	0.15	ND*	25.17	17.94	24.59	21.45
37	08/02/2022	59.45	27.68	ND*	ND*	ND*	ND*	0.33	ND*	13.47	12.56	29.48	23.23
38	11/02/2022	54.55	22.40	ND*	ND*	ND*	ND*	0.68	ND*	11.63	8.89	21.63	18.03
39	15/02/2022	48.66	15.58	ND*	ND*	ND*	ND*	0.42	ND*	18.94	19.25	31.44	14.76
40	18/02/2022	55.65	32.72	ND*	ND*	ND*	ND*	0.14	ND*	20.14	13.27	26.84	16.38
41	22/02/2022	66.36	28.65	ND*	ND*	ND*	ND*	0.23	ND*	28.35	10.33	19.58	22.35
42	25/02/2022	51.24	23.77	ND*	ND*	ND*	ND*	0.49	ND*	30.95	7.49	25.58	13.68
43	01/03/2022	67.72	30.44	ND*	ND*	ND*	ND*	0.64	ND*	24.38	9.56	15.52	12.35
44	04/03/2022	55.63	25.33	ND*	ND*	ND*	ND*	0.48	ND*	12.77	14.19	22.68	18.65
45	08/03/2022	45.35	21.58	ND*	ND*	ND*	ND*	0.25	ND*	19.77	10.62	16.99	22.58
46	11/03/2022	56.23	28.48	ND*	ND*	ND*	ND*	0.13	ND*	17.34	18.77	24.85	11.52
47	15/03/2022	61.22	24.56	ND*	ND*	ND*	ND*	0.23	ND*	15.56	6.67	18.18	21.44
48	18/03/2022	71.58	39.23	ND*	ND*	ND*	ND*	0.45	ND*	11.54	19.84	27.04	13.63
49	22/03/2022	54.35	27.38	ND*	ND*	ND*	ND*	0.15	ND*	18.25	7.54	14.83	15.33
50	25/03/2022	63.65	31.33	ND*	ND*	ND*	ND*	0.11	ND*	22.63	15.17	19.66	19.57
51	29/03/2022	74.25	41.42	ND*	ND*	ND*	ND*	0.30	ND*	20.25	8.74	21.49	16.53

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

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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	01/10/2021	58.18	25.70	ND*	ND*	ND*	ND*	0.90	ND*	24.33	17.67	31.29	14.92
2	05/10/2021	68.73	32.47	ND*	ND*	ND*	ND*	0.34	ND*	22.48	6.50	25.69	10.72
3	08/10/2021	42.68	20.39	ND*	ND*	ND*	ND*	0.85	ND*	25.38	8.30	21.54	16.25
4	12/10/2021	65.47	35.33	ND*	ND*	ND*	ND*	0.32	ND*	28.42	16.86	30.15	11.82
5	15/10/2021	53.48	26.35	ND*	ND*	ND*	ND*	0.44	ND*	16.54	14.28	26.34	20.73
6	19/10/2021	64.54	33.42	ND*	ND*	ND*	ND*	0.57	ND*	18.68	11.69	37.18	18.67
7	22/10/2021	56.62	29.33	ND*	ND*	ND*	ND*	0.84	ND*	21.86	7.67	27.39	21.54
8	26/10/2021	69.34	36.55	ND*	ND*	ND*	ND*	0.61	ND*	11.22	9.49	33.27	15.34
9	29/10/2021	52.46	23.86	ND*	ND*	ND*	ND*	0.23	ND*	29.92	12.85	28.56	17.47
10	02/11/2021	67.56	27.54	ND*	ND*	ND*	ND*	0.27	ND*	32.44	12.25	29.44	23.48
11	06/11/2021	55.15	25.47	ND*	ND*	ND*	ND*	0.48	ND*	21.08	9.27	20.82	26.29
12	09/11/2021	75.22	39.45	ND*	ND*	ND*	ND*	0.39	ND*	16.66	7.64	15.65	20.36
13	12/11/2021	61.54	36.53	ND*	ND*	ND*	ND*	0.57	ND*	24.86	14.72	28.52	15.25
14	16/11/2021	50.45	18.33	ND*	ND*	ND*	ND*	0.31	ND*	15.32	16.39	24.88	12.32
15	19/11/2021	65.63	31.58	ND*	ND*	ND*	ND*	0.30	ND*	22.48	13.12	21.52	14.68
16	23/11/2021	72.63	33.53	ND*	ND*	ND*	ND*	0.40	ND*	17.77	17.52	18.65	25.88
17	26/11/2021	60.42	30.25	ND*	ND*	ND*	ND*	0.34	ND*	28.66	8.55	14.26	18.64
18	30/11/2021	68.66	28.89	ND*	ND*	ND*	ND*	0.32	ND*	31.53	11.87	19.53	13.35
19	03/12/2021	56.36	29.17	ND*	ND*	ND*	ND*	0.50	ND*	20.38	16.23	21.56	12.67
20	07/12/2021	67.57	19.23	ND*	ND*	ND*	ND*	0.21	ND*	25.32	8.73	26.88	24.69
21	10/12/2021	61.54	15.79	ND*	ND*	ND*	ND*	0.44	ND*	14.28	14.76	23.43	21.44
22	14/12/2021	48.64	23.05	ND*	ND*	ND*	ND*	0.69	ND*	26.56	6.74	18.35	16.58
23	17/12/2021	57.68	32.55	ND*	ND*	ND*	ND*	0.64	ND*	23.38	19.34	30.86	22.38
24	21/12/2021	50.24	20.82	ND*	ND*	ND*	ND*	0.46	ND*	19.37	15.73	22.48	15.72
25	24/12/2021	77.16	34.76	ND*	ND*	ND*	ND*	0.38	ND*	27.52	11.22	28.44	10.25
26	28/12/2021	58.55	24.24	ND*	ND*	ND*	ND*	0.40	ND*	15.47	7.62	15.34	23.49
27	04/01/2022	75.88	30.43	ND*	ND*	ND*	ND*	0.15	ND*	12.66	10.95	24.88	24.72
28	07/01/2022	47.68	21.53	ND*	ND*	ND*	ND*	0.30	ND*	14.53	6.49	21.22	22.74

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29	11/01/2022	59.73	31.50	ND*	ND*	ND*	ND*	0.66	ND*	17.45	8.60	25.31	14.23
30	14/01/2022	65.34	25.64	ND*	ND*	ND*	ND*	0.11	ND*	15.68	17.38	19.54	10.74
31	18/01/2022	69.25	33.49	ND*	ND*	ND*	ND*	0.52	ND*	27.45	14.62	16.22	16.32
32	21/01/2022	58.67	27.53	ND*	ND*	ND*	ND*	0.26	ND*	29.16	7.68	23.64	11.6
33	25/01/2022	49.24	23.40	ND*	ND*	ND*	ND*	0.22	ND*	26.34	15.65	20.62	17.16
34	28/01/2022	66.34	38.43	ND*	ND*	ND*	ND*	0.17	ND*	21.47	13.17	27.33	15.43
35	01/02/2022	51.56	26.57	ND*	ND*	ND*	ND*	0.45	ND*	26.45	9.94	20.43	23.54
36	04/02/2022	58.66	29.46	ND*	ND*	ND*	ND*	0.61	ND*	16.24	11.55	30.88	13.76
37	08/02/2022	62.64	32.88	ND*	ND*	ND*	ND*	0.19	ND*	19.77	13.64	19.27	16.19
38	11/02/2022	44.58	17.53	ND*	ND*	ND*	ND*	0.56	ND*	28.43	20.45	31.55	11.22
39	15/02/2022	53.43	22.19	ND*	ND*	ND*	ND*	0.37	ND*	21.54	12.34	21.57	20.69
40	18/02/2022	61.25	35.41	ND*	ND*	ND*	ND*	0.30	ND*	12.57	6.88	15.93	12.74
41	22/02/2022	71.57	24.37	ND*	ND*	ND*	ND*	0.62	ND*	22.64	8.62	27.54	24.42
42	25/02/2022	60.24	28.54	ND*	ND*	ND*	ND*	0.36	ND*	27.48	10.51	18.57	17.66
43	01/03/2022	42.42	17.56	ND*	ND*	ND*	ND*	0.38	ND*	13.83	12.46	25.33	19.44
44	04/03/2022	50.34	20.58	ND*	ND*	ND*	ND*	0.44	ND*	17.03	15.81	18.59	12.96
45	08/03/2022	55.47	28.69	ND*	ND*	ND*	ND*	0.21	ND*	10.25	19.48	32.47	11.36
46	11/03/2022	70.22	43.67	ND*	ND*	ND*	ND*	0.34	ND*	21.45	13.41	29.37	18.33
47	15/03/2022	56.57	19.64	ND*	ND*	ND*	ND*	0.14	ND*	12.52	8.81	15.68	24.85
48	18/03/2022	60.37	31.21	ND*	ND*	ND*	ND*	0.47	ND*	23.68	16.99	22.44	10.66
49	22/03/2022	48.68	18.52	ND*	ND*	ND*	ND*	0.19	ND*	15.83	9.82	26.83	16.33
50	25/03/2022	58.66	25.44	ND*	ND*	ND*	ND*	0.24	ND*	11.32	14.82	17.17	14.58
51	29/03/2022	51.96	27.84	ND*	ND*	ND*	ND*	0.22	ND*	14.32	10.22	24.37	17.39

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




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● 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.: 1.5 - 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	01/10/2021	44.35	22.34	ND*	ND*	ND*	ND*	0.50	ND*	19.53	7.47	15.33	17.54
2	05/10/2021	52.92	24.74	ND*	ND*	ND*	ND*	0.37	ND*	25.46	14.60	34.53	12.16
3	08/10/2021	38.67	17.56	ND*	ND*	ND*	ND*	0.14	ND*	28.33	10.59	19.34	18.82
4	12/10/2021	70.34	37.57	ND*	ND*	ND*	ND*	0.69	ND*	21.98	13.48	16.83	13.11
5	15/10/2021	64.34	29.32	ND*	ND*	ND*	ND*	0.26	ND*	11.58	11.54	29.46	23.46
6	19/10/2021	73.68	39.45	ND*	ND*	ND*	ND*	0.11	ND*	14.75	17.88	26.48	20.43
7	22/10/2021	50.77	20.37	ND*	ND*	ND*	ND*	0.39	ND*	26.36	16.31	21.67	15.16
8	26/10/2021	58.52	23.44	ND*	ND*	ND*	ND*	0.29	ND*	17.93	8.93	23.56	25.62
9	29/10/2021	47.56	21.64	ND*	ND*	ND*	ND*	0.48	ND*	15.65	6.82	17.64	16.8
10	02/11/2021	79.38	30.33	ND*	ND*	ND*	ND*	0.42	ND*	23.25	10.61	23.43	11.54
11	06/11/2021	50.33	33.51	ND*	ND*	ND*	ND*	0.23	ND*	12.62	17.19	25.42	20.43
12	09/11/2021	68.68	28.62	ND*	ND*	ND*	ND*	0.21	ND*	22.64	15.49	30.27	14.93
13	12/11/2021	56.33	31.53	ND*	ND*	ND*	ND*	0.36	ND*	14.28	6.90	24.38	12.55
14	16/11/2021	62.37	25.37	ND*	ND*	ND*	ND*	0.44	ND*	19.35	12.20	18.15	22.33
15	19/11/2021	58.64	27.51	ND*	ND*	ND*	ND*	0.38	ND*	15.76	9.53	33.46	16.27
16	23/11/2021	65.36	21.81	ND*	ND*	ND*	ND*	0.54	ND*	13.66	7.57	26.35	18.45
17	26/11/2021	52.64	24.66	ND*	ND*	ND*	ND*	0.19	ND*	20.38	13.12	29.28	21.86
18	30/11/2021	61.56	37.23	ND*	ND*	ND*	ND*	0.22	ND*	36.42	8.53	15.35	19.53
19	03/12/2021	47.63	25.75	ND*	ND*	ND*	ND*	0.24	ND*	24.52	14.36	17.28	15.44
20	07/12/2021	40.12	15.66	ND*	ND*	ND*	ND*	0.15	ND*	20.88	12.60	28.62	19.46
21	10/12/2021	53.65	19.52	ND*	ND*	ND*	ND*	0.82	ND*	25.67	7.34	16.58	10.64
22	14/12/2021	57.24	33.81	ND*	ND*	ND*	ND*	0.14	ND*	17.83	10.52	29.44	22.46
23	17/12/2021	61.28	26.60	ND*	ND*	ND*	ND*	0.54	ND*	15.37	6.33	22.37	24.56
24	21/12/2021	55.56	30.88	ND*	ND*	ND*	ND*	0.25	ND*	11.53	16.37	27.55	21.13
25	24/12/2021	59.34	24.86	ND*	ND*	ND*	ND*	0.45	ND*	14.64	8.55	23.57	14.17
26	28/12/2021	42.53	17.57	ND*	ND*	ND*	ND*	0.70	ND*	23.56	18.60	18.72	16.86
27	04/01/2022	59.38	23.35	ND*	ND*	ND*	ND*	0.69	ND*	10.57	13.70	16.32	17.65
28	07/01/2022	53.33	29.44	ND*	ND*	ND*	ND*	0.39	ND*	17.67	11.68	27.66	21.25

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29	11/01/2022	48.64	26.51	ND*	ND*	ND*	ND*	0.53	ND*	23.64	16.21	31.57	25.34
30	14/01/2022	54.64	22.36	ND*	ND*	ND*	ND*	0.24	ND*	18.93	7.52	28.66	18.87
31	18/01/2022	60.33	27.66	ND*	ND*	ND*	ND*	0.18	ND*	13.27	9.75	23.32	14.16
32	21/01/2022	65.67	31.23	ND*	ND*	ND*	ND*	0.13	ND*	19.94	12.55	26.36	12.39
33	25/01/2022	72.62	36.64	ND*	ND*	ND*	ND*	0.68	ND*	12.23	10.57	17.53	10.35
34	28/01/2022	50.28	25.33	ND*	ND*	ND*	ND*	0.50	ND*	15.32	8.78	22.42	13.15
35	01/02/2022	57.52	29.56	ND*	ND*	ND*	ND*	0.32	ND*	19.43	7.63	24.32	19.52
36	04/02/2022	66.26	32.45	ND*	ND*	ND*	ND*	0.27	ND*	13.25	16.52	18.65	11.66
37	08/02/2022	54.27	24.30	ND*	ND*	ND*	ND*	0.39	ND*	21.48	9.59	26.36	17.23
38	11/02/2022	60.38	27.52	ND*	ND*	ND*	ND*	0.31	ND*	25.65	11.19	19.64	10.63
39	15/02/2022	42.66	18.83	ND*	ND*	ND*	ND*	0.25	ND*	14.87	15.34	27.84	22.54
40	18/02/2022	50.26	28.50	ND*	ND*	ND*	ND*	0.58	ND*	18.36	10.25	17.69	14.53
41	22/02/2022	61.28	26.63	ND*	ND*	ND*	ND*	0.34	ND*	15.96	6.58	14.58	12.66
42	25/02/2022	46.37	15.62	ND*	ND*	ND*	ND*	0.18	ND*	24.26	13.60	20.23	21.32
43	01/03/2022	55.68	27.53	ND*	ND*	ND*	ND*	0.49	ND*	18.56	10.44	22.96	15.17
44	04/03/2022	67.56	33.46	ND*	ND*	ND*	ND*	0.16	ND*	14.53	7.80	16.56	10.57
45	08/03/2022	51.52	23.64	ND*	ND*	ND*	ND*	0.27	ND*	11.66	13.27	20.13	21.24
46	11/03/2022	64.53	40.26	ND*	ND*	ND*	ND*	0.86	ND*	20.76	6.34	14.55	12.46
47	15/03/2022	50.38	26.54	ND*	ND*	ND*	ND*	0.31	ND*	27.35	11.37	28.54	17.47
48	18/03/2022	66.37	34.61	ND*	ND*	ND*	ND*	0.42	ND*	13.26	17.65	31.56	22.42
49	22/03/2022	59.67	21.85	ND*	ND*	ND*	ND*	0.17	ND*	23.47	12.29	21.57	24.54
50	25/03/2022	42.67	28.38	ND*	ND*	ND*	ND*	0.26	ND*	19.54	9.96	25.55	16.48
51	29/03/2022	47.52	25.06	ND*	ND*	ND*	ND*	0.55	ND*	17.54	15.44	17.64	13.31

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



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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	01/10/2021	65.13	28.44	ND*	ND*	ND*	ND*	0.80	ND*	37.56	11.76	33.62	20.67
2	05/10/2021	73.85	39.56	ND*	ND*	ND*	ND*	0.60	ND*	32.53	13.35	36.56	18.30
3	08/10/2021	53.68	31.59	ND*	ND*	ND*	ND*	0.36	ND*	20.43	15.64	27.58	26.14
4	12/10/2021	78.67	43.44	ND*	ND*	ND*	ND*	0.40	ND*	40.36	20.19	34.28	22.55
5	15/10/2021	89.54	45.65	0.56	ND*	2.22	10.37	0.56	ND*	29.47	17.76	39.48	30.42
6	19/10/2021	82.36	34.65	ND*	ND*	ND*	ND*	0.93	ND*	33.63	22.40	35.62	24.77
7	22/10/2021	72.65	37.54	ND*	ND*	ND*	ND*	0.70	ND*	28.68	19.47	38.65	19.43
8	26/10/2021	86.64	42.63	0.66	ND*	2.54	10.57	0.41	ND*	22.23	14.87	26.27	27.57
9	29/10/2021	77.57	38.60	ND*	ND*	ND*	ND*	0.27	ND*	18.88	10.90	37.54	29.47
10	02/11/2021	89.45	46.56	0.68	ND*	2.42	10.21	0.60	ND*	39.44	20.35	35.51	14.58
11	06/11/2021	76.35	43.55	ND*	ND*	ND*	ND*	0.80	ND*	22.28	21.56	32.61	23.61
12	09/11/2021	88.35	48.55	0.52	ND*	2.36	10.34	0.49	ND*	29.97	17.35	28.44	16.45
13	12/11/2021	75.20	38.61	ND*	ND*	ND*	ND*	0.89	ND*	19.87	19.61	33.49	13.47
14	16/11/2021	68.33	27.26	ND*	ND*	ND*	ND*	0.68	ND*	28.54	22.46	36.83	25.62
15	19/11/2021	77.52	37.52	ND*	ND*	ND*	ND*	0.70	ND*	18.58	7.94	39.88	19.31
16	23/11/2021	60.33	30.16	ND*	ND*	ND*	ND*	0.86	ND*	33.15	11.29	34.34	22.45
17	26/11/2021	75.42	41.27	ND*	ND*	ND*	ND*	0.53	ND*	37.43	18.58	25.39	24.66
18	30/11/2021	85.33	47.25	0.76	ND*	2.24	10.07	0.47	ND*	40.34	9.64	14.38	21.53
19	03/12/2021	78.22	40.56	0.61	ND*	2.34	10.60	0.30	ND*	35.64	21.51	32.44	23.67
20	07/12/2021	59.12	35.46	ND*	ND*	ND*	ND*	0.71	ND*	27.67	10.35	23.37	21.54
21	10/12/2021	75.48	32.95	ND*	ND*	ND*	ND*	0.60	ND*	36.45	12.34	20.38	19.57
22	14/12/2021	69.44	37.51	ND*	ND*	ND*	ND*	0.68	ND*	28.75	17.76	26.46	14.59
23	17/12/2021	84.27	50.35	0.71	ND*	2.12	10.59	0.78	ND*	40.54	23.52	38.47	27.34
24	21/12/2021	72.45	45.37	ND*	ND*	ND*	ND*	0.88	ND*	25.47	14.82	30.26	11.90
25	24/12/2021	82.67	48.26	0.57	ND*	2.26	10.78	0.62	ND*	37.53	9.31	24.57	24.27
26	28/12/2021	68.46	30.42	ND*	ND*	ND*	ND*	0.81	ND*	30.87	11.17	34.21	26.89
27	04/01/2022	87.62	45.31	0.76	ND*	2.56	10.37	0.73	ND*	23.47	19.51	36.46	19.66
28	07/01/2022	70.26	38.33	ND*	ND*	ND*	ND*	0.25	ND*	29.55	16.36	33.45	26.35

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29	11/01/2022	85.68	41.65	ND*	ND*	ND*	ND*	0.27	ND*	39.66	13.33	30.57	20.26
30	14/01/2022	60.35	34.55	ND*	ND*	ND*	ND*	0.49	ND*	24.45	18.44	38.32	16.88
31	18/01/2022	79.33	43.66	0.55	ND*	2.45	10.24	0.46	ND*	32.52	20.19	31.76	22.35
32	21/01/2022	71.26	36.56	ND*	ND*	ND*	ND*	0.60	ND*	26.72	11.14	25.48	24.53
33	25/01/2022	88.37	49.57	0.64	ND*	2.36	10.65	0.54	ND*	30.32	17.98	29.47	18.55
34	28/01/2022	76.26	42.26	ND*	ND*	ND*	ND*	0.90	ND*	18.34	15.56	35.34	23.64
35	01/02/2022	73.62	39.46	0.56	ND*	2.42	10.29	1.09	ND*	30.22	14.57	30.49	15.14
36	04/02/2022	81.23	45.40	ND*	ND*	ND*	ND*	0.95	ND*	22.77	23.28	27.67	18.44
37	08/02/2022	74.28	35.35	0.65	ND*	2.24	10.48	0.88	ND*	15.22	11.64	36.23	27.14
38	11/02/2022	65.57	33.59	ND*	ND*	ND*	ND*	0.98	ND*	32.24	19.52	24.65	13.35
39	15/02/2022	57.52	20.34	ND*	ND*	ND*	ND*	0.63	ND*	36.16	8.36	34.55	28.07
40	18/02/2022	66.26	38.17	ND*	ND*	ND*	ND*	0.74	ND*	14.46	16.33	23.36	21.82
41	22/02/2022	83.62	42.13	0.72	ND*	2.16	10.40	0.78	ND*	34.58	12.39	38.22	17.94
42	25/02/2022	64.56	32.51	ND*	ND*	ND*	ND*	1.01	ND*	37.75	17.54	31.66	25.22
43	01/03/2022	61.57	32.47	ND*	ND*	ND*	ND*	0.60	ND*	32.48	16.36	26.54	22.32
44	04/03/2022	77.65	44.23	0.56	ND*	2.06	10.13	0.80	ND*	19.67	10.41	29.48	25.31
45	08/03/2022	60.22	30.59	ND*	ND*	ND*	ND*	0.71	ND*	29.43	23.35	37.57	30.43
46	11/03/2022	80.23	46.27	0.62	ND*	2.18	10.36	0.33	ND*	26.48	20.75	33.88	17.24
47	15/03/2022	70.26	36.36	ND*	ND*	ND*	ND*	0.39	ND*	22.17	12.51	35.64	19.32
48	18/03/2022	86.52	48.18	0.70	ND*	2.42	10.44	0.54	ND*	16.56	21.92	39.52	23.43
49	22/03/2022	67.34	34.38	ND*	ND*	ND*	ND*	0.96	ND*	25.77	14.49	27.44	20.28
50	25/03/2022	71.54	37.43	ND*	ND*	ND*	ND*	0.74	ND*	30.82	19.42	32.84	24.25
51	29/03/2022	68.55	29.46	ND*	ND*	ND*	ND*	0.65	ND*	11.24	13.84	28.97	26.24

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

Note: 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

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● 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



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

Table- 1: Ground Water Level & Quality Analysis (Pizometer) Results for the period: October-21 to March-22

3B.1 Near Sub Station-7B

SR. NO.	TEST PARAMETER	UNIT	OBSERVATION					
			Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
			28/10/21	25/11/21	27/12/21	19/01/22	28/02/22	26/03/22
1	Temperature	°C	29.8	29.7	29.1	29.0	29.5	30.2
2	pH	--	8.11	7.95	7.75	7.50	7.74	7.85
3	Total Dissolved Solids	mg/L	1182	1272	1085	856	928	1017
4	Salinity	ppt	0.35	0.37	0.32	0.17	0.20	0.23
5	Chloride as Cl	mg/L	192	209	179	95	112	128
6	Depth of Water Level from Ground Level	meter	1.0	1.5	1.5	1.5	1.5	1.5
7	Status of Tide	--	Low Tide	High Tide	High Tide	Law Tide	High Tide	High Tide

3B.2 Near QHSE Office

SR. NO.	TEST PARAMETER	UNIT	OBSERVATION					
			Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
			28/10/21	25/11/21	27/12/21	19/01/22	28/02/22	26/03/22
1	Temperature	°C	29.9	29.9	29.3	29.1	29.6	30.0
2	pH	--	8.05	8.02	7.84	7.70	7.93	7.79
3	Total Dissolved Solids	mg/L	872	898	914	834	914	998
4	Salinity	ppt	0.13	0.14	0.15	0.15	0.20	0.21
5	Chloride as Cl	mg/L	74.00	79.00	84.90	83.97	108	114
6	Depth of Water Level from Ground Level	meter	1.5	2.0	1.8	2.0	1.8	1.8
7	Status of Tide	--	Low Tide	High Tide	High Tide	Law Tide	High Tide	High Tide


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3C. SEA WATER (SURFACE & BOTTOM) QUALITY ANALYSIS MONITORING:-

Table No.: 3C.1 - Sea Water (Surface & Bottom) Quality Analysis Results of sea water south side for the period: October-21 to March-22:-

Sr. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE											
			Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		Mar-22	
			28/10/2021		25/11/2021		27/12/2021		19/01/2022		28/02/2022		26/03/2022	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.13	8.04	8.09	8.02	8.15	8.12	7.99	7.95	7.95	7.90	8.03	7.97
2	Temperature	°C	29.9	29.8	29.8	29.6	29.7	29.6	29.6	29.4	29.7	29.4	30.3	30.1
3	Total Suspended Solids	mg/L	237	209	213	198	226	201	193	187	205	195	184	172
4	BOD (3 Days @ 27 °C)	mg/L	2.30	Not Detected	2.50	Not Detected	2.60	2.10	2.60	2.24	3.14	2.76	2.98	2.36
5	Dissolved Oxygen	mg/L	5.95	5.75	5.90	5.85	5.80	5.75	5.75	5.65	5.85	5.80	5.90	5.85
6	Salinity	ppt	30.42	30.86	31.39	31.62	30.46	30.98	33.86	34.28	34.42	34.78	34.68	34.94
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	2.79	2.64	2.43	2.29	2.56	2.41	3.14	2.99	3.28	3.14	3.08	2.91
9	Nitrite as NO ₂	µmol/L	1.12	0.93	0.86	0.73	0.93	0.87	0.65	0.53	0.97	0.85	0.87	0.75
10	Ammonical Nitrogen as NH ₃	µmol/L	1.98	1.84	2.1	2.04	1.88	1.79	2.86	2.47	2.56	2.4	2.31	2.24
11	Phosphates as PO ₄	µmol/L	2.83	2.7	2.43	2.35	2.16	2.08	2.69	2.53	2.34	2.29	2.16	2.08
12	Total Nitrogen	µmol/L	5.89	5.41	5.39	5.06	5.39	5.07	6.65	5.99	6.81	6.39	6.26	5.90
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	31864	32768	32764	32989	31490	32408	34546	34918	35134	35398	35278	35528
15	COD	mg/L	10.82	9.40	12.30	8.40	12.56	9.20	12.80	10.30	13.86	11.94	13.26	10.35
A Phytoplankton														
16.1	Chlorophyll	mg/m ³	2.56	2.32	2.61	2.37	2.46	2.30	2.27	2.16	2.47	2.24	2.54	2.46
16.2	Phaeophytin	mg/m ³	0.50	0.16	1.98	0.20	0.61	0.18	0.80	0.32	0.45	0.19	0.50	0.61
16.3	Cell Count	Unit x 10 ³ /L	192	124	164	116	172	104	162	98	184	116	192	112
16.4	Name of Group Number and name of group species of each group	--	Asterionella sp. Amphora sp. Chaetoceros sp. Coscinodiscus sp. Ceratum sp. Skeletonema sp.	Caloneis sp. Navicula sp. Rhizosolenia sp. Pleurosigma sp. Guinardia sp.	Navicula sp. Skeletonema sp. Coscinodiscus sp. Thalassiosira sp.	Nitzschia sp. Rhizosolenia sp. Pleurosigma sp. Synedra sp.	Asterionella sp. Coscinodiscus sp. Spirulina sp. Thalassiosira sp.	Nitzschia sp. Navicula sp. Synedra sp. Rhizosolenia sp.	Ankistrodesmus sp. Coscinodiscus sp. Chaetoceros sp. Rhizosolenia sp.	Nitzschia sp. Navicula sp. Pleurosigma sp. Synedra sp.	Rhizosolenia sp. Thalassiosira sp. Skeletonema sp. Pleurosigma sp.	Nitzschia sp. Navicula sp. Synedra sp. Coscinodiscus sp.	Navicula sp. Skeletonema sp. Thalassiosira sp. Gyrodinium sp.	Nitzschia sp. Coscinodiscus sp. Pleurosigma sp. Melosira sp.

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Sr. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE					
			Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
			28/10/2021	25/11/2021	27/12/2021	19/01/2022	28/02/2022	26/03/2022
			South Side	South Side	South Side	South Side	South Side	South Side
B	Zooplanktons							
17.1	Abundance (Population)	noX10 ³ /100m ³	31	34	30	26	28	23
17.2	Name of Group Number and name of group species of each group	--	Polychaetes Crustaceums Decapods Nauplius larvae	Polychaetes Napulius larvae Bivalves Decapods	Polychaetes Decapods Cyclops Nauplius larvae	Polychaetes Decapods Nauplius Cyclops	Polychaetes Decapods Nauplius larvae Bivalves	Polychaetes Nauplius larvae Bivalves
17.3	Total Biomass	ml/100 m ³	2.80	3.25	3.00	2.55	2.75	2.25
C	Microbiological Parameters							
18.1	Total Bacterial Count	CFU/ml	2680	2440	2520	2470	2610	2510
18.2	Total Coliform	/ml	Present	Present	Present	Present	Present	Present
18.3	E.coli	/ml	Absent	Absent	Absent	Absent	Absent	Absent
18.4	Enterococcus species	/ml	Present	Present	Present	Present	Present	Present
18.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
18.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
18.7	Vibrio species	/ml	Absent	Absent	Absent	Absent	Absent	Absent

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

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Table No.: 3C.2 - Sea Water (Surface & Bottom) Quality Analysis Results of Sea Water North Side for the period: October-21 to March-22:-

SR. NO..	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE											
			Oct-21		Nov-21		Dec-21		Jan-22		Feb-22		Mar-22	
			28/10/2021		25/11/2021		27/12/2021		19/01/2022		28/02/2022		26/03/2022	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.19	8.12	8.07	7.98	8.13	8.09	7.95	7.90	7.98	7.96	8.09	8.01
2	Temperature	°C	30.0	29.9	29.7	29.5	29.8	29.6	29.7	29.6	29.8	29.6	30.4	30.2
3	Total Suspended Solids	mg/L	248	237	216	203	234	218	206	187	219	201	173	168
4	BOD (3 Days @ 27 °C)	mg/L	2.50	Not Detected	2.70	Not Detected	2.85	2.30	2.49	2.16	2.94	2.60	2.83	2.45
5	Dissolved Oxygen	mg/L	5.90	5.85	5.85	5.70	5.80	5.75	5.75	5.65	5.80	5.75	5.95	5.80
6	Salinity	ppt	30.56	30.74	31.28	31.46	30.35	30.86	34.12	34.72	34.37	34.8	34.56	34.86
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	2.83	2.70	2.58	2.32	2.51	2.43	3.26	3.17	3.32	3.21	3.14	2.98
9	Nitrite as NO ₂	µmol /L	0.94	0.86	0.79	0.64	0.96	0.89	0.73	0.65	0.83	0.73	0.79	0.71
10	AmmonicalNitrogenas NH ₃	µmol /L	1.82	1.74	2.15	2.06	1.89	1.82	2.64	2.50	2.37	2.29	2.43	2.39
11	Phosphates as PO ₄	µmol /L	2.56	2.49	2.38	2.23	2.23	2.15	2.73	2.59	2.28	2.24	2.31	2.27
12	Total Nitrogen	µmol /L	5.59	5.30	5.52	5.02	5.36	5.14	6.63	6.32	6.52	6.23	6.36	6.08
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	31984	32236	32678	32894	31374	31856	34782	35418	34980	35408	35172	35482
15	COD	mg/L	11.20	8.60	12.60	9.20	12.86	9.45	12.39	10.80	13.54	11.80	13.16	10.68
A Phytoplankton														
16.1	Chlorophyll	mg/m ³	2.57	2.40	2.63	2.35	2.57	2.40	2.27	2.29	2.41	2.34	2.63	2.45
16.2	Phaeophytin	mg/m ³	0.42	0.23	0.37	0.22	0.42	0.23	0.27	0.70	0.58	0.29	0.37	0.18
16.3	Cell Count	Unit x 10 ³ /L	184	130	164	118	186	122	166	104	192	110	204	122
16.4	Name of Group Number and name of group species of each group	--	Amphora sp. Navicula sp. Coscinosira sp. Melosira sp. Ceratomyx sp. Pinnularia sp.	Nitzschia sp. Skeletonema sp. Pleurosigma sp. Rhizosolenia sp.	Pinnularia sp. Coscinosira sp. Thalassiosira sp. Rhizosolenia sp.	Nitzschia sp. Navicula sp. Biddulphia sp. Synedra sp.	Closterium sp. Thalassiosira sp. Ankistrodesmus sp. Coscinosira sp.	Nitzschia sp. Closterium sp. Navicula sp. Synedra sp.	Thalassiosira sp. Slenedermus sp. Melosira sp. Biddulphia sp.	Nitzschia sp. Navicula sp. Synedra sp. Chaetoceros	Biddulphia sp. Pleurosigma sp. Thalassiosira sp. Closterium sp.	Navicula sp. Synedra sp. Nitzschia sp. Pinnularia sp.	Skeletonema sp. Thalassiosira sp. Coscinosira sp. Rhizosolenia sp. Gyrodinium sp.	Navicula sp. Synedra sp. Cyclotella sp. Nitzschia sp. Pleurosigma sp.
Continue..														

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Sr. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSISNORTH SIDE					
			Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
			28/10/2021	25/11/2021	27/12/2021	19/01/2022	28/02/2022	26/03/2022
			North Side	North Side	North Side	North Side	North Side	North Side
B	Zooplanktons							
17.1	Abundance (Population)	noX10 ³ /100m ³	33	30	34	28	29	24
17.2	Name of Group Number and name of group species of each group	--	Decapods Polychaetes Copepods Sagitta sp.	Decapods Polychaetes Napulius larvae	Decapods Isopods Navicula sp. Nauplius larvae	Nauplius larvae Decapods Polychaetes Copepods	Nauplius larvae Decapods Polychaetes Copepods	Amphipods Polychaetes Chaetognathes
17.3	Total Biomass	ml/100 m ³	3.05	2.95	3.35	2.65	2.80	2.45
C	Microbiological Parameters							
18.1	Total Bacterial Count	CFU/ml	2540	2610	2640	2500	2580	2640
18.2	Total Coliform	/ml	Present	Present	Present	Present	Present	Present
18.3	E.coli	/ml	Absent	Absent	Absent	Absent	Absent	Absent
18.4	Enterococcus species	/ml	Present	Present	Present	Present	Present	Present
18.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
18.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
18.7	Vibrio species	/ml	Absent	Absent	Absent	Absent	Absent	Absent

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


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3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis (South Side) Results for the period: October-21 to March-22

Sr. No	PARAMETERS	UNIT	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
			28/10/2021	25/11/2021	27/12/2021	19/01/2022	28/02/2022	26/03/2022
1	Organic Matter	%	0.56	0.43	0.43	0.37	0.31	0.38
2	Phosphorus as P	µg/g	673	596	678	589	528	612
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	%	4.93	4.68	4.82	4.73	4.92	4.81
5.2	Total Chromium as Cr ⁺³	µg/g	138	103	129	138	118	123
5.3	Manganese as Mn	µg/g	612	592	618	564	603	631
5.4	Iron as Fe	%	4.78	4.80	4.83	4.98	4.76	4.80
5.5	Nickel as Ni	µg/g	51.30	41.92	51.64	42.75	53.68	39.32
5.6	Copper as Cu	µg/g	37.60	45.83	37.23	46.39	39.20	47.65
5.7	Zinc as Zn	µg/g	103	129	108	117	128	107
5.8	Lead as Pb	µg/g	2.10	2.37	2.19	1.59	2.37	1.75
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 Polychaetes	Crustaceans Polychaetes Coelenterates	Bivalves Gastropods Polychaetes	Gastropods Polychaetes Amphipods	Gastropods Polychaetes Echinoderms	Bivalves Gastropods Polychaetes
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Foraminiferans	Nematodes	Foraminiferans	Nematodes	Foraminiferans Nematodes	Nematodes
6.3	Population	no/m ²	439	351	380	322	409	382

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

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3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table - Sea Sediment Quality Analysis Results (North Side) for the period: October-21 to March-22:-

Sr. No.	PARAMETERS	UNIT	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
			28/10/2021	25/11/2021	27/12/2021	19/01/2022	28/02/2022	26/03/2022
1	Organic Matter	%	0.52	0.46	0.45	0.41	0.34	0.39
2	Phosphorus as P	mg/kg	640	582	653	572	541	673
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	%	4.98	4.79	4.89	4.68	4.87	4.69
5.2	Total Chromium as Cr ⁺³	mg/kg	129	112	117	123	132	115
5.3	Manganese as Mn	mg/kg	634	586	623	576	610	651
5.4	Iron as Fe	%	4.82	4.72	4.76	4.92	4.86	4.72
5.5	Nickel as Ni	mg/kg	50.94	43.68	46.82	41.79	57.28	41.87
5.6	Copper as Cu	mg/kg	32.76	40.37	39.23	35.27	43.17	36.94
5.7	Zinc as Zn	mg/kg	114	135	116	129	139	118
5.8	Lead as Pb	mg/kg	2.17	2.49	2.24	1.78	2.14	1.75
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)	--	Gastropods Isopods Crustaceans	Gastropods Crustaceans Decapods	Isopods Polychaetes Crustaceans	Polychaetes Gastropods Crustaceans	Amphipods Echinoderms Polychaetes	Crustaceans Gastropods Polychaetes
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Nematodes	Nematodes	Foraminiferans	Nematodes	Foraminiferans	----
6.3	Population	no/m ²	412	353	412	382	439	353

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

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3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -

Table - Dump Pond Water Quality Analysis Results for the period: October-21 to March-22

Date			Nov-21	Nov-21	Feb-22	Feb-22
			25/11/2021	25/11/2021	28/02/2022	28/02/2022
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	--	8.65	8.81	8.79	8.82
2.	Total Dissolved Solids	mg/L	1712	1956	1483	2139
3.	Total Suspended Solids	mg/L	18	21	16	27
4.	Turbidity	NTU	3.56	3.45	2.40	2.78
5.	BOD (3 Days @ 27 °C)	mg/L	8.00	10.00	9.32	12.00
6.	Dissolved Oxygen	mg/L	6.00	6.20	5.95	6.00
7.	COD	mg/L	48	50	51	56
8.	Salinity	ppt	0.230	0.350	0.267	0.305
9.	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected
10.	Total Hardness as CaCO ₃	mg/L	618	744	572	673
11.	Fluoride as F	mg/L	0.56	0.59	0.39	0.48
12.	Chloride as Cl	mg/L	129	199	148	169
13.	Zinc as Zn	mg/L	0.19	0.21	0.17	0.28
14.	Cadmium as Cd	mg/L	Not Detected	Not Detected	Not Detected	Not Detected
15.	Lead as Pb	mg/L	Not Detected	Not Detected	Not Detected	Not Detected
16.	Mercury as Hg	mg/L	Not Detected	Not Detected	Not Detected	Not Detected

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

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3F. STP TREATED WATER QUALITY ANALYSIS MONITORING: -

TABLE - STP TREATED WATER QUALITY ANALYSIS RESULTS FOR THE PERIOD: OCTOBER-21 TO MARCH-22

SR. NO.	TEST PARAMETERS	UNIT	STP Treated Water Quality Analysis Results					
			Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
			28/10/2021	25/11/2021	27/12/2021	19/01/2022	28/02/2022	26/03/2022
1.	pH	--	7.26	7.52	7.44	7.32	7.38	7.49
2.	Total Suspended Solids	mg/L	21	26	19	17	23	18
3.	BOD (3 Days @ 27 °C)	mg/L	13	18	15	13	16	15
4.	Residual Free Chlorine	mg/L	0.8	0.8	0.6	0.8	0.7	0.7
5.	Oil & Grease	mg/L	3.0	2.1	3.5	2.9	3.1	4.5

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 October-21 to March-22

Sampling Location	1 - Behind QHSE Office					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	01/10/2021	01/11/2021	01/12/2021	01/01/2022	01/02/2022	01/03/2022
6:00-7:00	66.3	52.5	54.7	52.4	52.0	54.7
7:00-8:00	54.1	54.5	55.5	59.1	58.1	59.8
8:00-9:00	51.8	50.2	52.4	61.4	59.7	63.2
9:00-10:00	56.9	53.5	51.4	57.6	58.0	51.0
10:00-11:00	51.2	49.7	49.0	63.9	63.4	60.4
11:00-12:00	47.1	53.2	54.2	59.2	57.6	56.1
12:00-13:00	48.2	57.7	58.3	54.1	55.7	55.5
13:00-14:00	49.9	60.5	61.4	49.7	51.4	47.7
14:00-15:00	64.5	65.8	64.2	53.9	54.4	63.5
15:00-16:00	52.1	61.3	63.0	58.3	58.4	59.3
16:00-17:00	53.1	60.1	62.1	62.4	61.3	57.0
17:00-18:00	56.2	65.2	67.6	66.8	65.6	62.4
18:00-19:00	62.9	62.3	65.9	69.1	67.4	50.9
19:00-20:00	55.6	63.4	61.3	65.4	65.3	45.5
20:00-21:00	65.4	58.5	57.1	60.3	61.0	58.3
21:00-22:00	62.7	55.2	53.5	55.7	58.2	52.1

Sampling Location	1 - Behind QHSE Office					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	01/10/2021 & 02/10/2021	01/11/2021 & 02/11/2021	01/12/2021 & 02/12/2021	01/01/2022 & 02/01/2022	01/02/2022 & 02/02/2022	01/03/2022 & 02/03/2022
22:00-23:00	55.3	50.3	50.5	59.8	59.2	54.6
23:00-00:00	47.5	53.2	51.4	58.3	58.4	52.5
00:00-01:00	44.9	49.3	59.4	56.6	56.8	54.1
01:00-02:00	53.5	46.8	44.3	52.1	54.0	56.7
02:00-03:00	60.3	52.6	49.7	47.9	47.8	48.9
03:00-04:00	50.4	57.5	59.0	51.9	50.1	43.6
04:00-05:00	56.3	54.2	50.7	53.3	52.6	46.2
05:00-06:00	54.1	49.7	51.0	54.4	52.5	44.8

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

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

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


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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 October-21 to March-22

Sampling Location	2 - PMC Office Back Side					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	02/10/2021	02/11/2021	02/12/2021	03/01/2022	02/02/2022	02/03/2022
6:00-7:00	65.8	67.2	65.9	47.9	49.6	49.2
7:00-8:00	69.8	63.7	62.9	51.4	50.8	53.6
8:00-9:00	61.3	60.2	61.8	55.6	57.1	60.1
9:00-10:00	68.5	59.7	61.3	58.7	58.3	50.6
10:00-11:00	62.4	58.3	55.8	54.8	54.7	51.2
11:00-12:00	67.5	62.1	61.4	50.1	49.9	48.9
12:00-13:00	56.8	65.8	66.1	55.3	53.4	56.0
13:00-14:00	66.2	66.5	64.7	58.5	59.7	54.3
14:00-15:00	67.8	63.2	63.9	60.7	58.9	62.7
15:00-16:00	53.4	58.6	56.1	63.9	62.1	57.5
16:00-17:00	65.3	53.9	53.7	67.4	66.5	58.7
17:00-18:00	67.4	59.3	60.8	71.5	71.3	52.5
18:00-19:00	69.4	64.2	62.5	66.3	67.3	55.2
19:00-20:00	64.3	60.5	60.7	62.9	62.2	61.1
20:00-21:00	62.1	57.9	56.7	57.8	58.7	43.1
21:00-22:00	70.6	56.2	58.3	52.3	53.9	59.7

Sampling Location	2 - PMC Office Back Side					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	02/10/2021 & 03/10/2021	02/11/2021 & 03/11/2021	02/12/2021 & 03/12/2021	03/01/2022 & 04/01/2022	02/02/2022 & 03/02/2022	02/03/2022 & 03/03/2022
22:00-23:00	51.1	63.2	62.4	61.9	62.4	52.8
23:00-00:00	53.4	59.5	56.7	59.3	60.6	43.7
00:00-01:00	48.7	54.2	54.8	55.2	57.1	59.1
01:00-02:00	45.6	56.3	57.6	56.7	55.2	56.6
02:00-03:00	41.6	51.6	45.2	60.2	61.6	54.2
03:00-04:00	51.4	48.8	57.9	55.2	56.2	50.7
04:00-05:00	56.6	43.7	48.5	50.7	52.4	46.0
05:00-06:00	55.2	47.3	59.9	46.1	46.8	42.1

*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.

[Signature]

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Tables - 3 - Sub Station - 6 Back Side Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22,

Sampling Location	3 - Sub Station - 6 Back Side					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	04/10/2021	03/11/2021	03/12/2021	04/01/2022	03/02/2022	03/03/2022
6:00-7:00	61.4	61.6	62.8	46.1	47.3	45.1
7:00-8:00	67.7	59.0	59.6	48.9	49.2	45.7
8:00-9:00	59.3	60.8	62.5	52.1	54.2	56.6
9:00-10:00	64.7	57.6	57.0	56.2	57.3	53.4
10:00-11:00	55.8	62.5	63.2	58.5	58.8	43.4
11:00-12:00	62.3	61.4	59.5	60.3	59.0	54.3
12:00-13:00	71.1	59.2	59.3	63.4	61.6	48.3
13:00-14:00	65.5	62.3	62.6	67.4	67.5	41.4
14:00-15:00	58.3	59.6	58.9	70.5	69.5	44.4
15:00-16:00	56.9	55.5	57.2	66.4	65.3	55.4
16:00-17:00	68.8	57.2	55.6	62.1	63.7	49.5
17:00-18:00	56.4	60.5	58.2	59.3	61.2	50.9
18:00-19:00	65.1	64.3	63.5	55.4	53.7	52.9
19:00-20:00	70.3	67.8	69.7	51.8	52.0	57.3
20:00-21:00	58.7	70.8	71.5	49.3	48.3	58.4
21:00-22:00	52.8	71.2	70.5	53.9	52.1	47.6

Sampling Location	3 - Sub Station - 6 Back Side					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	04/10/2021 & 05/10/2021	03/11/2021 & 04/11/2021	03/12/2021 & 04/12/2021	04/01/2022 & 05/01/2022	03/02/2022 & 04/02/2022	03/03/2022 & 04/03/2022
22:00-23:00	57.8	61.5	63.0	58.8	60.4	46.0
23:00-00:00	47.9	57.6	57.4	58.0	56.5	51.9
00:00-01:00	56.1	61.2	62.3	60.8	59.1	53.5
01:00-02:00	51.2	59.6	57.2	55.6	53.7	49.4
02:00-03:00	40.8	54.8	54.5	51.8	52.7	42.3
03:00-04:00	47.4	49.3	46.4	53.6	53.2	50.0
04:00-05:00	58.1	45.6	59.2	48.7	49.2	45.5
05:00-06:00	56.7	41.8	41.0	51.6	51.0	52.3

[#]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.¹

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

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Tables - 4 -Sub Station - 8 (Marine Building) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22

Sampling Location	4 -Sub Station - 8 (Marine Building)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	05/10/2021	08/11/2021	04/12/2021	05/01/2022	04/02/2022	04/03/2022
6:00-7:00	54.6	54.7	55.3	53.2	54.2	41.9
7:00-8:00	55.4	58.7	60.5	58.3	59.1	65.4
8:00-9:00	60.1	61.2	61.5	62.3	63.0	52.0
9:00-10:00	58.8	63.5	63.8	65.9	65.8	59.6
10:00-11:00	65.4	58.8	57.5	60.1	58.6	66.7
11:00-12:00	70.5	59.3	60.4	56.4	58.2	53.2
12:00-13:00	62.8	62.3	64.2	51.3	52.4	62.7
13:00-14:00	58.4	67.5	65.2	54.5	54.0	55.5
14:00-15:00	62.2	70.2	68.2	48.6	48.3	54.6
15:00-16:00	66.7	65.2	64.8	72.4	57.1	48.2
16:00-17:00	65.2	60.2	61.9	67.3	54.7	43.7
17:00-18:00	70.2	62.2	60.1	63.8	49.9	44.4
18:00-19:00	56.7	57.6	57.0	57.9	53.8	63.1
19:00-20:00	69.9	54.3	54.8	53.4	56.7	49.6
20:00-21:00	56.3	55.8	57.8	50.3	51.8	61.4
21:00-22:00	59.6	53.7	53.8	45.7	44.4	42.9

Sampling Location	4 -Sub Station - 8 (Marine Building)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	05/10/2021 & 06/10/2021	08/11/2021 & 09/11/2021	04/12/2021 & 05/12/2021	05/01/2022 & 06/01/2022	04/02/2022 & 05/02/2022	04/03/2022 & 05/03/2022
22:00-23:00	60.1	48.3	41.7	49.5	48.9	42.9
23:00-00:00	44.2	51.2	47.7	52.7	52.2	48.7
00:00-01:00	65.1	56.4	50.6	59.9	58.9	53.9
01:00-02:00	50.0	60.4	54.3	48.4	46.9	37.2
02:00-03:00	44.6	55.6	49.2	57.2	59.1	45.4
03:00-04:00	51.2	52.6	46.5	50.5	51.3	43.7
04:00-05:00	47.8	47.6	43.8	55.8	55.7	49.3
05:00-06:00	43.2	43.7	40.9	43.7	42.9	41.1

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

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

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


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Tables - 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 October-21 to March-22

Sampling Location	5 - Near Sub Station-7B					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	06/10/2021	09/11/2021	06/12/2021	06/01/2022	05/02/2022	05/03/2022
6:00-7:00	68.4	53.7	55.6	52.3	52.4	55.8
7:00-8:00	58.2	57.0	57.6	59.3	60.2	41.8
8:00-9:00	57.6	62.3	63.8	56.3	58.2	42.6
9:00-10:00	47.8	66.8	65.0	53.2	54.9	44.8
10:00-11:00	56.2	70.3	69.5	50.2	52.0	54.9
11:00-12:00	61.1	66.5	65.2	52.0	51.4	52.6
12:00-13:00	68.1	63.4	64.5	49.3	50.6	49.4
13:00-14:00	57.2	60.4	58.9	66.3	65.1	46.4
14:00-15:00	53.3	58.9	57.0	62.5	61.9	45.8
15:00-16:00	50.3	56.3	57.3	69.8	49.5	56.8
16:00-17:00	59.9	59.8	58.4	66.4	55.3	49.9
17:00-18:00	53.1	62.5	61.1	62.1	51.0	55.4
18:00-19:00	55.2	63.5	63.2	58.1	46.2	51.6
19:00-20:00	52.7	65.4	65.1	55.4	60.6	50.8
20:00-21:00	49.9	62.8	62.7	51.0	50.2	51.4
21:00-22:00	53.2	58.6	57.5	43.9	44.9	48.7

Sampling Location	5 - Near Sub Station-7B					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	06/10/2021 & 07/10/2021	09/11/2021 & 10/11/2021	06/12/2021 & 07/12/2021	06/01/2022 & 07/01/2022	05/02/2022 & 06/02/2022	05/03/2022 & 06/03/2022
22:00-23:00	44.2	52.8	51.2	42.8	41.0	46.6
23:00-00:00	48.3	48.3	52.3	55.1	53.7	45.2
00:00-01:00	40.3	44.4	46.5	45.4	45.6	45.8
01:00-02:00	58.1	49.5	41.3	48.0	48.6	44.2
02:00-03:00	50.0	54.3	43.0	58.3	57.2	43.2
03:00-04:00	55.8	59.2	54.7	54.2	53.7	42.0
04:00-05:00	51.2	55.6	41.8	53.2	52.2	40.9
05:00-06:00	56.2	50.4	41.2	51.8	50.4	41.5

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

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

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


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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 October-21 to March-22

Sampling Location	6 - JS - 1 (Nr. Lakhigam)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	07/10/2021	10/11/2021	07/12/2021	07/01/2022	07/02/2022	07/03/2022
6:00-7:00	63.4	59.5	57.7	60.5	61.3	42.3
7:00-8:00	68.7	60.4	61.1	55.6	55.4	44.5
8:00-9:00	60.2	65.2	66.8	70.3	70.4	45.9
9:00-10:00	58.1	66.9	67.0	47.7	49.5	50.3
10:00-11:00	49.8	61.8	62.2	53.7	52.2	53.6
11:00-12:00	57.1	56.5	54.0	45.8	44.4	57.4
12:00-13:00	54.3	54.6	53.8	60.0	59.7	52.9
13:00-14:00	56.1	52.2	52.1	63.3	64.1	48.8
14:00-15:00	63.9	55.8	55.3	51.5	51.6	53.8
15:00-16:00	59.2	57.6	59.0	50.9	50.7	51.4
16:00-17:00	46.9	60.8	61.5	57.1	55.6	52.3
17:00-18:00	61.2	63.1	61.7	50.4	44.8	49.4
18:00-19:00	51.3	57.8	59.4	55.3	56.2	51.2
19:00-20:00	70.1	55.6	54.1	51.9	53.8	48.6
20:00-21:00	54.8	51.2	49.2	54.2	54.5	46.3
21:00-22:00	63.1	54.4	56.1	47.3	48.7	45.4

Sampling Location	6 - JS - 1 (Nr. Lakhigam)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	07/10/2021 & 08/10/2021	10/11/2021 & 11/11/2021	07/12/2021 & 08/12/2021	07/01/2022 & 08/01/2022	07/02/2022 & 08/02/2022	07/03/2022 & 08/03/2022
22:00-23:00	59.2	66.3	45.4	62.9	64.4	48.1
23:00-00:00	44.8	61.2	46.0	58.8	60.2	40.6
00:00-01:00	58.1	59.3	59.7	50.1	50.2	45.3
01:00-02:00	51.3	55.2	52.5	48.3	48.4	41.9
02:00-03:00	47.6	53.8	55.5	53.4	53.3	51.2
03:00-04:00	61.2	48.9	46.6	61.6	62.8	49.4
04:00-05:00	60.0	43.5	44.4	44.7	42.9	44.5
05:00-06:00	48.1	47.5	40.6	52.7	52.4	40.5

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

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

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


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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 October-21 to March-22

Sampling Location	7 - Behind S.S. - 11 (Silo)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	08/10/2021	11/11/2021	08/12/2021	08/01/2022	08/02/2022	08/03/2022
6:00-7:00	51.6	58.4	56.5	50.1	50.3	44.6
7:00-8:00	60.1	62.5	59.1	55.8	57.3	45.9
8:00-9:00	61.0	60.6	60.5	59.5	58.5	48.5
9:00-10:00	56.7	59.3	58.3	44.3	44.7	51.2
10:00-11:00	70.3	62.7	61.2	56.9	58.2	52.6
11:00-12:00	54.3	60.2	60.8	50.7	49.0	58.4
12:00-13:00	55.3	63.8	62.9	60.8	61.5	55.9
13:00-14:00	56.3	65.8	67.8	61.9	62.8	51.6
14:00-15:00	58.2	68.3	65.9	54.1	52.8	56.1
15:00-16:00	66.4	70.5	73.0	50.4	51.3	54.8
16:00-17:00	55.8	73.3	71.3	73.0	66.8	58.5
17:00-18:00	72.4	69.5	67.1	70.2	48.3	53.6
18:00-19:00	57.4	66.2	67.4	67.8	60.9	54.3
19:00-20:00	62.1	61.9	63.9	65.1	46.9	50.4
20:00-21:00	65.2	59.6	59.4	60.4	50.8	49.3
21:00-22:00	59.1	62.3	62.4	58.6	58.3	48.2

Sampling Location	7 - Behind S.S. - 11 (Silo)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	08/10/2021 & 09/10/2021	11/11/2021 & 12/11/2021	08/12/2021 & 09/12/2021	08/01/2022 & 09/01/2022	08/02/2022 & 09/02/2022	08/03/2022 & 09/03/2022
22:00-23:00	52.3	55.3	56.0	64.2	64.9	48.8
23:00-00:00	50.1	50.5	55.1	50.4	50.7	46.3
00:00-01:00	48.6	44.6	40.0	59.7	59.0	42.1
01:00-02:00	44.8	49.8	45.8	55.7	54.8	47.5
02:00-03:00	43.3	52.8	41.2	60.5	58.7	47.7
03:00-04:00	61.2	57.6	49.9	49.8	50.5	40.8
04:00-05:00	62.5	60.4	51.9	61.9	62.2	46.5
05:00-06:00	56.1	63.2	54.2	42.7	43.2	44.7

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

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

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

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 October-21 to March-22

Sampling Location	8 - Silo Loading Point					
	During Day Time - dB(A) Leq [#]					
Date of Monitoring	09/10/2021	12/11/2021	09/12/2021	10/01/2022	09/02/2022	09/03/2022
6:00-7:00	65.5	70.2	71.3	57.8	58.7	54.1
7:00-8:00	59.2	67.2	68.0	51.7	52.4	43.0
8:00-9:00	57.2	64.3	64.4	59.9	61.7	43.7
9:00-10:00	70.9	65.8	68.3	48.8	48.0	56.8
10:00-11:00	63.1	63.5	63.6	52.8	52.5	61.1
11:00-12:00	55.4	60.3	61.6	61.1	61.6	59.2
12:00-13:00	65.6	57.9	57.3	50.9	49.4	61.5
13:00-14:00	50.3	56.3	57.9	56.8	58.3	63.7
14:00-15:00	59.7	51.1	49.8	45.8	46.6	65.4
15:00-16:00	61.3	54.3	55.3	54.5	52.6	59.8
16:00-17:00	56.1	58.6	60.1	53.6	53.9	62.5
17:00-18:00	72.5	61.5	59.9	70.1	47.8	73.3
18:00-19:00	66.5	65.3	64.2	65.5	49.1	60.0
19:00-20:00	59.3	70.1	67.5	61.7	59.7	44.6
20:00-21:00	60.5	66.8	66.1	56.7	55.1	44.1
21:00-22:00	70.1	63.8	61.7	60.8	61.1	59.3

Sampling Location	8 - Silo Loading Point					
	During Night Time - dB(A) Leq [#]					
Date of Monitoring	09/10/2021 & 10/10/2021	12/11/2021 & 13/11/2021	09/12/2021 & 10/12/2021	10/01/2022 & 11/01/2022	09/02/2022 & 10/02/2022	09/03/2022 & 10/03/2022
22:00-23:00	60.1	58.2	58.1	59.4	59.0	47.7
23:00-00:00	58.1	55.4	53.8	52.6	51.2	51.5
00:00-01:00	46.2	52.4	44.9	58.3	59.6	45.5
01:00-02:00	44.2	50.6	53.0	59.8	61.0	52.5
02:00-03:00	51.3	54.7	55.8	48.0	48.9	44.9
03:00-04:00	61.3	49.6	41.4	43.8	42.4	52.4
04:00-05:00	48.2	45.8	46.6	55.9	54.7	40.8
05:00-06:00	50.1	50.2	49.6	55.1	56.6	47.4

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

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

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


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 October-21 to March-22

Sampling Location	9 - GCPTL Gate					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	11/10/2021	13/11/2021	10/12/2021	11/01/2022	10/02/2022	10/03/2022
6:00-7:00	69.6	61.4	59.7	68.5	67.1	45.6
7:00-8:00	67.1	60.1	62.7	51.2	52.9	45.5
8:00-9:00	64.8	64.8	66.4	59.4	59.2	47.5
9:00-10:00	56.8	69.5	71.1	51.1	57.2	46.1
10:00-11:00	65.8	66.5	65.8	59.7	54.6	55.6
11:00-12:00	55.7	63.5	65.4	48.9	50.3	51.5
12:00-13:00	61.1	60.6	61.5	56.9	58.3	42.1
13:00-14:00	67.3	60.8	62.2	51.5	52.4	53.2
14:00-15:00	51.4	57.5	59.4	45.9	45.7	71.2
15:00-16:00	55.2	59.7	57.5	52.5	53.6	55.8
16:00-17:00	64.4	62.2	62.8	61.4	63.0	55.9
17:00-18:00	60.2	60.3	58.1	61.2	59.6	45.2
18:00-19:00	65.3	58.2	58.7	44.9	45.3	57.3
19:00-20:00	60.6	53.0	53.1	55.6	54.3	52.2
20:00-21:00	65.4	57.3	58.9	57.9	58.1	53.3
21:00-22:00	55.6	60.2	60.8	53.6	53.7	56.9

Sampling Location	9 - GCPTL Gate					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	11/10/2021 & 12/10/2021	13/11/2021 & 14/11/2021	10/12/2021 & 11/12/2021	11/01/2022 & 12/01/2022	10/02/2022 & 11/02/2022	10/03/2022 & 11/03/2022
22:00-23:00	46.3	60.3	57.9	63.0	63.4	44.2
23:00-00:00	50.8	55.3	52.6	56.9	56.4	49.8
00:00-01:00	61.1	50.1	47.8	59.4	59.2	49.1
01:00-02:00	51.3	45.4	44.6	53.6	54.3	43.8
02:00-03:00	63.6	48.1	43.6	62.4	64.3	47.2
03:00-04:00	47.3	46.3	40.9	56.0	54.2	42.4
04:00-05:00	56.8	49.8	45.9	55.1	53.2	39.2
05:00-06:00	50.7	46.2	43.3	44.4	44.5	52.6

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

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

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



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Tables - 10 - Lakhi Village (Primary School) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22

Sampling Location	10 - Lakhi Village (Primary School)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	12/10/2021	15/11/2021	11/12/2021	12/01/2022	11/02/2022	11/03/2022
6:00-7:00	66.7	54.1	54.9	50.7	51.1	49.3
7:00-8:00	68.1	56.4	57.7	60.2	60.6	57.2
8:00-9:00	57.8	61.1	59.4	61.6	62.2	66.9
9:00-10:00	50.9	65.9	64.7	46.2	46.8	61.4
10:00-11:00	61.2	69.2	67.0	54.7	53.8	62.8
11:00-12:00	57.1	65.1	63.8	52.2	51.3	56.4
12:00-13:00	62.2	61.4	60.5	48.4	48.7	55.1
13:00-14:00	53.2	57.1	56.6	51.9	57.3	63.8
14:00-15:00	60.9	52.6	58.4	56.8	61.3	53.9
15:00-16:00	53.1	56.8	59.1	60.9	44.2	49.6
16:00-17:00	58.7	60.3	63.7	65.7	58.6	51.1
17:00-18:00	61.5	65.3	66.7	71.3	52.4	60.6
18:00-19:00	69.7	62.4	62.7	68.3	53.0	56.2
19:00-20:00	71.1	60.8	63.1	64.8	54.2	67.6
20:00-21:00	69.5	59.2	57.5	60.6	59.8	64.8
21:00-22:00	62.6	55.5	54.6	65.9	52.0	52.7

Sampling Location	10 - Lakhi Village (Primary School)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	12/10/2021 & 13/10/2021	15/11/2021 & 16/11/2021	11/12/2021 & 12/12/2021	12/01/2022 & 13/01/2022	11/02/2022 & 12/02/2022	11/03/2022 & 12/03/2022
22:00-23:00	50.1	47.3	45.0	57.8	59.7	43.3
23:00-00:00	58.1	52.7	52.4	53.7	52.1	50.4
00:00-01:00	44.2	55.9	45.7	60.7	59.7	61.3
01:00-02:00	56.2	59.7	48.1	50.2	50.4	35.5
02:00-03:00	61.1	64.2	60.0	48.6	49.2	41.1
03:00-04:00	43.7	60.8	44.8	54.3	53.9	44.5
04:00-05:00	43.9	56.8	50.6	42.9	43.4	47.1
05:00-06:00	46.1	51.9	52.9	53.6	52.3	53.5

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

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

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

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● 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





Tables -11 - ERMS Workshop Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22

Sampling Location	11 - ERMS Workshop					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	13/10/2021	16/11/2021	13/12/2021	13/01/2022	12/02/2022	12/03/2022
6:00-7:00	58.9	57.6	57.5	58.9	47.8	45.2
7:00-8:00	62.3	60.2	60.6	59.5	58.8	46.4
8:00-9:00	65.7	63.2	65.7	55.7	44.9	50.9
9:00-10:00	58.6	62.4	59.9	51.8	48.7	51.1
10:00-11:00	59.5	61.2	60.5	48.6	53.6	55.3
11:00-12:00	54.2	64.7	63.1	50.4	48.2	56.2
12:00-13:00	62.5	67.8	65.3	53.7	49.2	62.1
13:00-14:00	66.9	71.5	70.2	57.8	52.1	62.7
14:00-15:00	55.9	66.9	66.8	61.4	43.9	65.9
15:00-16:00	61.7	63.8	65.6	65.8	46.8	65.7
16:00-17:00	56.9	60.5	59.5	70.5	55.7	67.6
17:00-18:00	65.1	58.6	59.3	66.9	53.4	68.4
18:00-19:00	63.8	57.5	56.5	63.8	45.7	69.3
19:00-20:00	70.4	59.4	58.9	60.7	43.6	65.5
20:00-21:00	63.2	63.1	60.4	56.9	45.8	67.1
21:00-22:00	65.9	60.8	62.5	52.7	45.6	62.6

Sampling Location	11 - ERMS Workshop					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	13/10/2021 & 14/10/2021	16/11/2021 & 17/11/2021	13/12/2021 & 14/12/2021	13/01/2022 & 14/01/2022	12/02/2022 & 13/02/2022	12/03/2022 & 13/03/2022
22:00-23:00	42.8	56.3	46.4	50.6	51.6	63.5
23:00-00:00	55.6	59.7	61.2	55.9	55.7	59.6
00:00-01:00	42.3	57.4	48.6	57.1	55.3	57.4
01:00-02:00	52.8	54.4	52.3	47.8	47.6	60.5
02:00-03:00	50.0	50.2	42.8	57.9	57.4	52.0
03:00-04:00	54.2	48.2	49.4	56.7	57.6	52.3
04:00-05:00	63.1	44.6	42.6	43.3	41.7	48.1
05:00-06:00	55.1	49.4	50.7	50.9	49.3	46.6

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

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

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


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Tables - 12 - Behind Pump House Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22

Sampling Location	12 - Behind Pump House					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	14/10/2021	17/11/2021	14/12/2021	14/01/2022	14/02/2022	13/03/2022
6:00-7:00	61.6	55.6	55.0	46.4	47.2	44.8
7:00-8:00	65.6	59.8	58.9	58.8	59.0	45.2
8:00-9:00	64.3	64.9	63.9	52.8	53.0	50.1
9:00-10:00	63.8	59.6	60.1	61.4	60.3	50.9
10:00-11:00	66.2	64.6	65.0	48.5	48.3	55.4
11:00-12:00	67.8	67.2	68.5	52.6	52.9	58.5
12:00-13:00	69.4	69.2	71.7	52.2	51.2	58.9
13:00-14:00	58.7	64.2	65.3	54.7	56.3	61.6
14:00-15:00	66.9	62.3	61.9	53.1	53.4	64.1
15:00-16:00	62.2	66.4	63.8	50.1	50.9	67.9
16:00-17:00	58.5	70.1	65.1	49.6	47.7	68.0
17:00-18:00	67.1	67.5	68.9	60.9	62.1	67.4
18:00-19:00	63.4	63.6	63.4	45.9	50.4	68.1
19:00-20:00	56.8	58.6	61.0	47.0	47.4	69.0
20:00-21:00	59.8	60.7	63.2	61.3	59.7	67.7
21:00-22:00	61.4	57.6	56.5	70.6	70.4	64.0

Sampling Location	12 - Behind Pump House					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	14/10/2021 & 15/10/2021	17/11/2021 & 18/11/2021	14/12/2021 & 15/12/2021	14/01/2022 & 15/01/2022	14/02/2022 & 15/02/2022	13/03/2022 & 14/03/2022
22:00-23:00	60.1	42.8	40.8	57.7	57.8	65.5
23:00-00:00	58.4	44.5	52.1	53.0	51.1	60.9
00:00-01:00	54.1	47.3	60.5	55.6	55.1	61.0
01:00-02:00	52.5	50.3	57.4	44.3	43.6	55.0
02:00-03:00	55.2	54.6	57.8	60.6	61.4	50.8
03:00-04:00	48.2	59.1	55.6	60.5	61.5	51.6
04:00-05:00	41.1	55.4	53.0	58.5	59.2	49.4
05:00-06:00	50.0	51.2	48.3	48.0	47.1	49.9

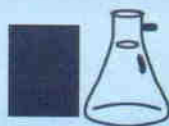
*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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

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


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Tables - 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 October-21 to March-22

Sampling Location	13 - Rock Bond Approach (Jetty)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	15/10/2021	18/11/2021	15/12/2021	15/01/2022	15/02/2022	14/03/2022
6:00-7:00	51.2	56.3	54.3	48.2	49.5	46.3
7:00-8:00	55.3	60.3	58.6	53.7	57.9	53.3
8:00-9:00	69.7	62.7	62.2	56.6	58.4	45.7
9:00-10:00	69.9	61.3	62.6	51.4	51.8	45.8
10:00-11:00	66.3	59.8	61.8	54.1	43.3	49.2
11:00-12:00	65.7	57.2	54.9	58.6	48.1	60.2
12:00-13:00	53.6	60.5	61.9	62.8	53.3	52.6
13:00-14:00	56.5	65.3	63.4	66.2	47.9	50.3
14:00-15:00	63.2	67.1	65.8	69.4	57.8	57.1
15:00-16:00	70.1	72.1	73.6	72.6	52.0	55.3
16:00-17:00	59.3	67.8	65.4	67.8	51.7	44.2
17:00-18:00	53.4	62.8	63.1	64.8	49.4	40.5
18:00-19:00	68.2	59.5	59.3	60.2	49.7	66.2
19:00-20:00	52.4	58.1	59.5	58.1	59.3	53.2
20:00-21:00	57.4	59.3	61.0	54.0	52.8	64.1
21:00-22:00	61.3	60.1	61.6	57.4	56.5	58.1

Sampling Location	13 - Rock Bond Approach (Jetty)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	15/10/2021 & 16/10/2021	18/11/2021 & 19/11/2021	15/12/2021 & 16/12/2021	15/01/2022 & 16/01/2022	15/02/2022 & 16/02/2022	14/03/2022 & 15/03/2022
22:00-23:00	63.1	46.4	46.7	55.3	54.1	55.1
23:00-00:00	50.0	50.2	54.7	46.8	46.0	39.4
00:00-01:00	58.3	53.6	54.0	54.7	55.6	45.2
01:00-02:00	53.9	55.0	56.1	49.3	48.8	41.5
02:00-03:00	44.1	57.4	65.6	58.7	59.0	46.6
03:00-04:00	64.0	54.6	41.8	53.5	54.1	50.2
04:00-05:00	52.7	51.4	52.2	51.3	49.7	47.9
05:00-06:00	61.2	55.8	53.2	43.6	43.5	39.1

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

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

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

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Tables -14 - New Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22

Sampling Location	14 - New Gate					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	16/10/2021	19/11/2021	16/12/2021	17/01/2022	16/02/2022	15/03/2022
6:00-7:00	60.3	62.4	62.5	53.4	54.1	55.7
7:00-8:00	52.1	60.8	62.4	48.8	44.6	57.3
8:00-9:00	61.5	62.9	61.6	52.6	53.3	45.3
9:00-10:00	71.2	67.3	64.9	54.5	54.2	63.3
10:00-11:00	51.9	69.0	66.8	58.3	53.2	54.6
11:00-12:00	55.5	65.3	66.3	61.9	57.0	56.6
12:00-13:00	59.7	63.2	65.4	65.8	49.6	44.8
13:00-14:00	62.9	60.3	60.7	67.3	42.7	55.9
14:00-15:00	50.8	62.5	60.2	70.1	59.7	47.3
15:00-16:00	63.4	59.3	57.6	68.3	54.6	44.7
16:00-17:00	52.6	57.4	55.9	64.5	52.5	49.8
17:00-18:00	61.8	54.3	51.9	60.8	54.0	55.5
18:00-19:00	66.6	52.6	51.4	57.6	49.9	61.3
19:00-20:00	58.7	50.9	51.7	55.9	50.3	50.7
20:00-21:00	55.1	48.7	49.5	52.0	53.0	52.4
21:00-22:00	59.1	52.4	51.1	54.6	56.4	59.1

Sampling Location	14 - New Gate					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	16/10/2021 & 17/10/2021	19/11/2021 & 20/11/2021	16/12/2021 & 17/12/2021	17/01/2022 & 18/01/2022	16/02/2022 & 17/02/2022	15/03/2022 & 16/03/2022
22:00-23:00	66.4	53.8	51.5	51.9	52.7	41.1
23:00-00:00	55.1	48.5	40.1	54.8	54.0	47.4
00:00-01:00	58.2	44.1	41.0	60.5	60.8	41.2
01:00-02:00	47.0	47.9	46.6	46.1	45.3	44.1
02:00-03:00	50.9	43.5	43.2	43.3	42.1	44.8
03:00-04:00	54.3	48.6	48.2	57.7	58.3	42.2
04:00-05:00	56.9	52.8	55.1	49.3	49.0	40.6
05:00-06:00	65.1	49.3	42.8	49.2	49.1	41.3

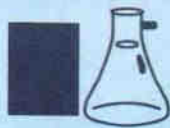
*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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

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


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Tables - 15 - Security Barrier Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22

Sampling Location	15 - Security Barrier Gate					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	18/10/2021	20/11/2021	17/12/2021	18/01/2022	17/02/2022	16/03/2022
6:00-7:00	65.1	54.8	52.9	52.6	56.3	50.4
7:00-8:00	55.6	58.6	57.1	47.3	47.4	56.5
8:00-9:00	60.1	56.8	55.0	51.8	53.4	52.2
9:00-10:00	62.1	59.4	59.6	54.7	46.1	55.8
10:00-11:00	70.2	63.8	64.3	56.3	50.7	60.5
11:00-12:00	56.2	68.1	67.5	60.5	54.6	47.3
12:00-13:00	45.9	70.2	69.1	64.2	52.8	72.3
13:00-14:00	47.5	68.3	67.1	66.9	55.4	67.5
14:00-15:00	68.1	65.2	66.4	68.3	50.9	50.5
15:00-16:00	57.2	61.2	58.9	71.5	44.9	44.8
16:00-17:00	51.6	56.7	57.4	69.5	46.4	48.8
17:00-18:00	66.7	55.6	57.9	65.1	56.2	58.2
18:00-19:00	64.2	57.1	56.2	62.4	50.8	46.6
19:00-20:00	71.8	60.1	59.2	57.6	52.9	55.3
20:00-21:00	62.7	62.5	63.1	53.6	61.7	50.7
21:00-22:00	65.2	66.1	67.8	49.1	45.9	44.3

Sampling Location	15 - Security Barrier Gate					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	18/10/2021 & 19/10/2021	20/11/2021 & 21/11/2021	17/12/2021 & 18/12/2021	18/01/2022 & 19/01/2022	17/02/2022 & 18/02/2022	16/03/2022 & 17/03/2022
22:00-23:00	51.3	42.6	42.1	59.5	60.6	49.8
23:00-00:00	68.1	46.3	52.7	44.4	43.7	53.1
00:00-01:00	67.3	50.2	51.2	53.9	52.8	57.2
01:00-02:00	53.4	49.3	48.5	51.0	49.4	47.1
02:00-03:00	56.7	47.8	48.1	46.6	46.7	43.1
03:00-04:00	40.5	49.2	46.1	47.8	48.9	66.2
04:00-05:00	58.1	54.6	47.6	60.1	61.3	44.2
05:00-06:00	54.8	59.2	65.6	58.0	57.0	51.5

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

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

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



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Tables - 16 - JS-2 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22

Sampling Location	16 - JS-2					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	19/10/2021	22/11/2021	18/12/2021	19/01/2022	18/02/2022	17/03/2022
6:00-7:00	50.3	48.2	47.4	44.3	45.2	60.3
7:00-8:00	67.9	50.8	48.7	47.8	47.6	51.3
8:00-9:00	60.2	53.5	54.3	53.1	54.8	48.9
9:00-10:00	58.1	58.2	58.6	55.8	56.0	52.5
10:00-11:00	49.8	62.3	60.3	58.4	48.7	47.9
11:00-12:00	57.1	60.8	62.0	63.8	52.5	41.6
12:00-13:00	54.3	56.4	57.7	66.4	46.0	50.6
13:00-14:00	56.1	61.5	59.7	69.2	59.4	57.1
14:00-15:00	63.1	60.5	62.3	64.5	53.6	45.9
15:00-16:00	59.2	64.3	63.2	59.9	52.3	60.6
16:00-17:00	56.4	67.3	66.3	55.6	52.1	48.6
17:00-18:00	61.2	70.2	72.4	52.1	49.8	45.7
18:00-19:00	51.3	66.3	68.1	47.2	45.0	58.4
19:00-20:00	65.9	63.2	62.5	53.8	55.4	65.8
20:00-21:00	54.8	60.3	62.4	55.1	55.6	57.2
21:00-22:00	53.1	56.3	57.2	59.8	59.7	49.3

Sampling Location	16 - JS-2					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	19/10/2021 & 20/10/2021	22/11/2021 & 23/11/2021	18/12/2021 & 19/12/2021	19/01/2022 & 20/01/2022	18/02/2022 & 19/02/2022	17/03/2022 & 18/03/2022
22:00-23:00	52.2	51.8	40.4	54.1	52.6	41.6
23:00-00:00	62.4	56.4	48.2	42.4	40.6	55.6
00:00-01:00	64.4	60.3	59.2	57.3	57.5	44.5
01:00-02:00	53.8	55.6	46.1	48.1	47.4	67.1
02:00-03:00	59.0	51.1	51.3	49.1	47.8	55.1
03:00-04:00	49.3	48.3	56.1	43.6	43.2	41.3
04:00-05:00	55.4	52.2	50.0	52.6	52.1	48.7
05:00-06:00	59.3	50.9	51.5	45.9	45.1	43.7

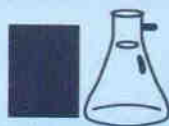
*dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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

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

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Tables - 17 - Railway Dead End Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22

Sampling Location	17 - Railway Dead End					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	20/10/2021	23/11/2021	20/12/2021	20/01/2022	19/02/2022	18/03/2022
6:00-7:00	53.1	53.6	56.1	55.4	59.7	57.2
7:00-8:00	55.4	56.8	58.5	51.9	55.7	45.6
8:00-9:00	62.3	59.3	60.1	55.8	57.0	50.2
9:00-10:00	47.9	57.3	58.7	52.9	53.7	48.8
10:00-11:00	49.4	58.2	56.6	50.1	49.0	51.1
11:00-12:00	61.1	56.6	58.3	53.4	59.6	47.5
12:00-13:00	71.1	52.8	53.7	56.7	47.0	58.6
13:00-14:00	56.2	51.6	50.1	60.8	56.1	43.5
14:00-15:00	69.5	49.8	49.4	64.9	54.8	44.5
15:00-16:00	46.8	52.6	50.9	67.8	53.2	60.9
16:00-17:00	67.4	56.4	55.5	70.9	47.2	51.7
17:00-18:00	65.2	60.2	60.0	59.2	60.5	44.3
18:00-19:00	70.3	63.8	64.3	50.0	48.1	62.8
19:00-20:00	53.2	62.9	65.4	46.9	48.6	66.3
20:00-21:00	45.9	60.5	62.1	58.1	59.4	46.8
21:00-22:00	57.5	57.5	59.8	58.9	60.1	43.1

Sampling Location	17 - Railway Dead End					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	20/10/2021 & 21/10/2021	23/11/2021 & 24/11/2021	20/12/2021 & 21/12/2021	20/01/2022 & 21/01/2022	19/02/2022 & 20/02/2022	18/03/2022 & 19/03/2022
22:00-23:00	63.5	49.9	47.1	55.9	54.5	48.6
23:00-00:00	65.3	44.3	42.5	50.8	49.5	59.1
00:00-01:00	61.4	48.4	45.3	50.4	51.9	50.4
01:00-02:00	58.6	52.4	49.3	53.7	54.6	55.7
02:00-03:00	56.4	55.8	46.9	51.6	50.9	41.6
03:00-04:00	66.7	58.4	43.3	56.9	55.2	48.8
04:00-05:00	62.8	62.5	58.9	45.3	44.8	55.9
05:00-06:00	45.1	57.3	57.1	50.4	50.3	51.4

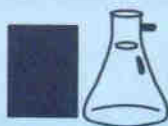
[#]dB(A) Leq. denotes the time weighted average of the level of sound in decibels on scale A which is relatable to human hearing.

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

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

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Tables -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 October-21 to March-22


Sampling Location	18 – Open Storage Yard – 1					
	During Day Time - dB(A) Leq [#]					
Date of Monitoring	21/10/2021	24/11/2021	21/12/2021	21/01/2022	21/02/2022	19/03/2022
6:00-7:00	56.1	63.3	64.0	50.5	50.8	44.0
7:00-8:00	58.2	59.1	60.2	46.9	46.3	48.7
8:00-9:00	60.1	54.8	57.0	49.7	55.7	50.5
9:00-10:00	70.1	51.9	51.3	47.6	46.0	60.8
10:00-11:00	61.5	55.6	56.5	50.4	60.3	55.1
11:00-12:00	50.3	58.1	57.3	54.9	59.9	47.1
12:00-13:00	59.1	56.8	57.5	57.4	47.3	40.6
13:00-14:00	47.8	52.3	51.4	60.3	49.5	58.4
14:00-15:00	51.3	56.3	57.6	64.0	53.1	60.4
15:00-16:00	54.3	60.9	62.7	68.4	51.8	47.2
16:00-17:00	60.2	65.2	66.9	59.7	60.1	66.8
17:00-18:00	49.2	69.3	71.3	61.0	62.4	70.4
18:00-19:00	57.2	64.1	64.5	56.4	42.9	44.9
19:00-20:00	49.9	69.8	71.4	52.1	50.2	50.6
20:00-21:00	56.3	74.3	71.8	48.2	48.2	52.3
21:00-22:00	59.2	69.2	69.0	47.1	51.2	56.8

Sampling Location	18 – Open Storage Yard – 1					
	During Night Time - dB(A) Leq [#]					
Date of Monitoring	21/10/2021 & 22/10/2021	24/11/2021 & 25/11/2021	21/12/2021 & 22/12/2021	21/01/2022 & 22/01/2022	21/02/2022 & 22/02/2022	19/03/2022 & 20/03/2022
22:00-23:00	61.6	45.3	43.7	52.1	50.5	51.5
23:00-00:00	53.3	48.2	45.1	59.2	61.0	44.2
00:00-01:00	59.7	52.8	40.9	47.2	47.3	50.3
01:00-02:00	54.6	56.4	49.5	56.6	55.0	61.8
02:00-03:00	63.2	60.8	57.3	43.7	45.2	59.6
03:00-04:00	47.2	57.4	51.1	60.2	61.9	47.2
04:00-05:00	58.5	52.6	47.8	50.9	51.8	53.8
05:00-06:00	52.4	47.2	42.7	55.5	54.0	39.9

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

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

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


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Tables -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 October-21 to March-22

Sampling Location	19 – Loco Shed					
	During Day Time - dB(A) Leq [#]					
Date of Monitoring	22/10/2021	25/11/2021	22/12/2021	22/01/2022	22/02/2022	21/03/2022
6:00-7:00	58.5	65.8	66.6	56.3	59.9	60.8
7:00-8:00	49.3	63.5	61.0	53.3	55.1	65.2
8:00-9:00	66.5	62.1	61.3	50.8	58.6	48.2
9:00-10:00	57.4	66.3	66.7	46.1	47.7	46.3
10:00-11:00	67.9	63.5	61.3	44.9	45.1	58.2
11:00-12:00	55.7	58.6	60.3	49.9	48.0	60.3
12:00-13:00	51.7	54.2	54.4	53.5	54.2	52.2
13:00-14:00	51.2	50.8	48.9	58.6	56.7	48.4
14:00-15:00	68.8	55.3	53.6	64.7	53.5	47.6
15:00-16:00	64.5	60.5	60.1	68.9	60.5	60.2
16:00-17:00	61.2	65.0	66.8	73.1	50.4	51.5
17:00-18:00	67.5	69.6	71.6	69.4	57.1	58.8
18:00-19:00	62.9	67.3	69.1	65.7	56.8	46.2
19:00-20:00	56.4	65.3	63.2	61.8	55.0	47.1
20:00-21:00	57.3	60.8	59.0	57.6	51.0	45.2
21:00-22:00	62.5	57.1	54.7	52.8	44.6	48.5

Sampling Location	19 – Loco Shed					
	During Night Time - dB(A) Leq [#]					
Date of Monitoring	22/10/2021 & 23/10/2021	25/11/2021 & 26/11/2021	22/12/2021 & 23/12/2021	22/01/2022 & 23/01/2022	22/02/2022 & 23/02/2022	21/03/2022 & 22/03/2022
22:00-23:00	62.7	43.6	43.6	46.9	47.7	50.8
23:00-00:00	52.6	46.2	53.5	51.3	51.5	52.4
00:00-01:00	62.5	48.1	47.3	48.9	48.3	58.9
01:00-02:00	45.6	52.8	56.7	52.2	53.0	64.2
02:00-03:00	51.1	55.4	47.1	46.4	48.1	47.7
03:00-04:00	57.8	50.2	45.7	44.3	42.5	42.7
04:00-05:00	51.6	54.3	54.5	54.6	55.0	56.1
05:00-06:00	49.2	59.4	52.4	49.8	48.5	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.

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Tables - 20 - Lakhi Village (Below Conveyer Belt) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October-21 to March-22

Sampling Location	20 - Lakhi Village (Below Conveyer Belt)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	23/10/2021	26/11/2021	23/12/2021	23/01/2022	23/02/2022	22/03/2022
6:00-7:00	51.6	67.1	67.7	50.6	42.5	50.3
7:00-8:00	55.8	71.2	72.4	54.9	48.5	55.4
8:00-9:00	62.2	69.3	69.2	52.3	53.8	60.6
9:00-10:00	60.3	67.6	68.4	54.3	56.8	48.5
10:00-11:00	66.8	66.6	67.3	59.2	59.6	54.1
11:00-12:00	55.6	65.2	62.9	55.4	41.3	46.7
12:00-13:00	64.4	60.9	61.6	58.1	54.8	51.9
13:00-14:00	50.6	58.6	57.2	62.9	48.9	60.8
14:00-15:00	58.7	54.6	53.5	67.8	50.5	56.7
15:00-16:00	58.1	57.2	56.5	69.7	49.7	47.3
16:00-17:00	59.7	61.1	60.5	71.8	54.2	45.3
17:00-18:00	65.1	63.8	64.4	68.2	54.6	58.6
18:00-19:00	56.8	66.1	67.8	66.1	50.1	65.4
19:00-20:00	53.3	60.7	62.8	63.9	54.1	70.9
20:00-21:00	56.5	55.3	54.5	60.0	47.7	46.6
21:00-22:00	54.2	53.8	51.4	56.9	50.7	53.3

Sampling Location	20 - Lakhi Village (Below Conveyer Belt)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	23/10/2021 & 24/10/2021	26/11/2021 & 27/11/2021	23/12/2021 & 24/12/2021	23/01/2022 & 24/01/2022	23/02/2022 & 24/02/2022	22/03/2022 & 23/03/2022
22:00-23:00	49.1	62.4	55.5	52.6	53.6	51.2
23:00-00:00	60.6	58.6	49.4	56.6	57.6	55.3
00:00-01:00	58.7	54.2	46.3	51.5	53.0	60.1
01:00-02:00	54.3	52.6	53.4	55.1	56.6	67.2
02:00-03:00	58.8	48.6	59.6	43.5	43.6	44.3
03:00-04:00	53.9	44.2	56.8	52.0	50.9	45.8
04:00-05:00	52.3	47.2	42.5	55.8	57.7	58.2
05:00-06:00	50.2	50.6	43.7	58.2	57.2	51.3

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

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

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

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**3H. DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -****Table No.: 3H.1 – DG Sets Stack Emission Monitoring Results for the period: October-21 to March-22**

Sr. No.	Parameters	Unit	November-21				
			25/11/2021				
			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	28.34	25.33	23.45	32.42	24.65
2	Sulphur Dioxide	ppm	3.64	4.07	3.71	6.72	5.87
3	Oxide of Nitrogen	ppm	32.48	29.44	26.44	28.38	33.62
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	0.0287	0.0176	0.0236	0.0310	0.0267

Table No.: 3H.2 – DG Sets Stack Emission Monitoring Results for the period: October-21 to March-22

Sr. No.	Parameters	Unit	February-22				
			20/02/2022				
			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	24.22	21.37	18.62	26.87	28.65
2	Sulphur Dioxide	ppm	4.25	5.41	4.38	7.68	6.72
3	Oxide of Nitrogen	ppm	36.50	31.55	28.66	30.45	34.54
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	0.0259	0.0132	0.0293	0.0310	0.0314

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Table No.: 3H.3 - DG Sets Noise Level Monitoring Results for the period: October-21 to March-22

Sr. No.	Sampling Location	DG Set Average Noise Level In Leq. dB(A)	
		At 1 m from the enclose outside	
		November-21	February-22
	Sampling Date	25/11/2021	20/02/2022
1.	DG Set # 1MRSS (SS5)	68.3	70.5
2.	DG Set # 2 SS7B	72.5	71.1
3.	DG Set # 3Marine (SS8)	71.8	69.7
4.	DG Set # 4Silo (SS11)	67.9	72.6
5	DG Set # 5 (SS7A)	73.6	68.4

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● ISO 14001

● ISO 45001

● ISO 9001

Annexure 4: Green Belt Details

Adani Petronet Dahej Port Pvt. Ltd., Dahej Green Zone details

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)	PMC office area Landscape	0.45	500	Delonix regia				Implemented
			0.23	250	cassia simia				
			0.20	450	Coconut spp.				
			0.10		Shrub	1000			
			0.15		Lawn		1500		
		0.020		Palm			50		
		Back side lakhibaba temple &Boundry site plantation (phase -1)	0.39	1300	Casurina Equisitifolia				
Back side lakhibaba temple &Boundry site plantation (phase -1 a)	0.27	600	Casurina Equisitifolia					Implemented	
Total			1.81	3100.00		1000.00	1500.00	50.00	
2	68 (b)	Gcptcl boudry wall site plantation (phase-1)	1.35	6000	Casurina Equisitifolia				Implemented
		APPPL office area (SS-7)	0.36	450	Delonix regia				Implemented
		Gcptcl boudry wall site plantation (phase-1 a)	0.16	700	Delonix regia				Implemented
			0.10		Shrub	1000			
			0.8		Lawn		8000		
			0.04		Palm			100	
		Total			2.81	7150.00		1000.00	8000.00
3	68(C)	LNG Site Boundry wall site plantation	0.95	4200	Casurina Equisitifolia				Implemented
			0.04		Palm			100	
4	68 (d)	Stack yard	0.72	3200	Casurina Equisitifolia				limplemented
Total			1.71	7400.00		0.00	0.00	100.00	
5	68 (e)	Road site Avenue tree plantation	0.77	1700	Casurina Equisitifolia				
			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	200.00	200.00	
6	68 (f)	Main gate Area	3.75	1500	Pelttofouram				Implemented
			0.60	500	Azardirecta indica				Implemented
			0.26	320	Conocarpus				
			0.32	810	Conocarpus				
			0.24	525	Casurina Equisitifolia				
			0.35	220	Conocarpus				
			0.23	500	Golden Bamboo				
			0.35		Shrub	3450			
			0.25		Lawn		2500		
Total			6.34	4375.00		3450.00	2500.00	0.00	
7	68 (g)	Railway yard area Phase 1	1.13	5000	Casurina Equisitifolia				Implemented
			1.13	5000	Casurina Equisitifolia				
			0.15	255	Conocarpus				
			0.08		Palm			200	Implemented
Total			2.48	10255.00		0.00	0.00	200.00	
8	68 (h)	Permenant Godown area	0.44	1680	Shrubs and forest tree plantation				
			0.15		Srub	1500			
			0.21		Lawn		2100		
			0.06		Palm			150	
		Coal Yard Area	1.23	3086	Conocarpus /Casurina				
			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		Pelttofouram /Azardirecta indica/ Conocarpus/ Palm						
Total			3.94	8766.00		2700.00	2600.00	300.00	
Total Green Zone Area			22.86	46246.00		11150.00	14800.00	950.00	



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector-10-A, Gandhinagar-382 010

Phone : (079) 23226295

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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.

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- 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 freeflow 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, contraction & 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.



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- 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 I 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

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- **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



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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.

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- 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



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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: 2021-22

S. NO.	ACTIVITY/ CATEGORY	Cost incurred (IN LAC)			Budgeted Cost (INR IN Lacs)
		2019-2020	2020- 2021	2021-2022	2021-2022
1.	EHS Manpower	6.85	6.85	5.5	7.0
2.	Legal & Statutory Expenses	0.20	7.16	1.12	5.0
3.	Environmental Monitoring Services	20.28	16.52	14.71	16.0
4.	Cost for Water Consumption and use dust suppression	71.69	46.08	84.62	114.97
5.	Hazardous Waste Management & Disposal	2.12	2.72	1.32	2.0
6.	Greenbelt Development and Plantation	40.0	44.00	38.0	36.19
7.	O&M of Sewage Treatment Plant	6.70	6.77	5.99	5.58
8.	Environment Day Celebration	0.50	0.10	0.36	-
9.	Treatment and Disposal of Bio-Medical Waste	1.92	1.92	1.92	2.0
10.	Operation and Maintenance of Road Cleaning equipment and manpower	35.95	49.83	61.68	73.70
11.	Operation and Maintenance of Fire staff engage in water sprinkling activity	65.62	59.70	99.04	87.66
12.	Environmental Study / Audit and Consultancy	9.18	3.07	0.54	2.0
13.	Bio Shield Project at village Malpur & Jambusar, Bharuch 1000m x 200m(1.0km)	13.57	6.78	4.07	4.0
14.	Environment Display Board	5.00	5.36	0.39	1.0
15.	Implementation of Single Use Plastic (SUP) Protocol	-	-	-	0.50
16.	Water Audit	-	-	-	7.0
17.	Biodiversity Study	-	-	-	5.0
18.	Zero Waste to Landfill Certification	-	-	-	5.0
Total Amount (In Lacs)		279.58	256.86	319.26	374.6

**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 confirming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from April, 2021 to September, 2021 are enclosed as 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 22.86 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 22.86 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 2020-21 was approx. Rs. 374.6 lacs. Details of the environmental budget and expenditure for the past 3 years is enclosed as Annexure –6.

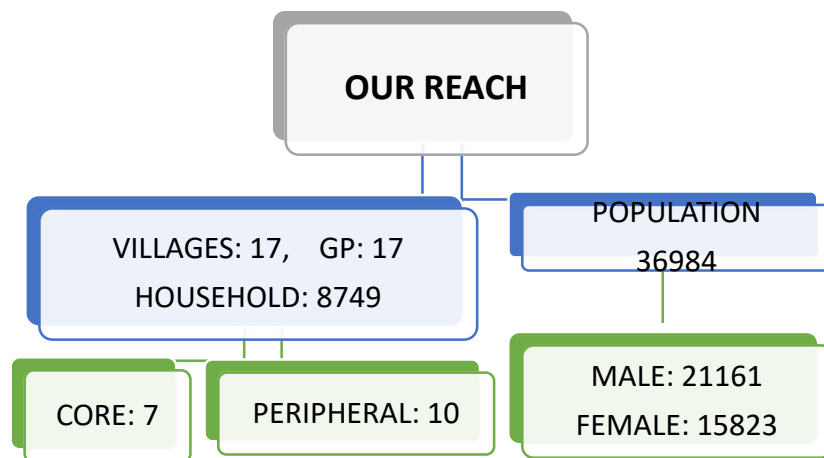


CSR REPORT October 2021 – March 2022

ADANI FOUNDATION, DAHEJ

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

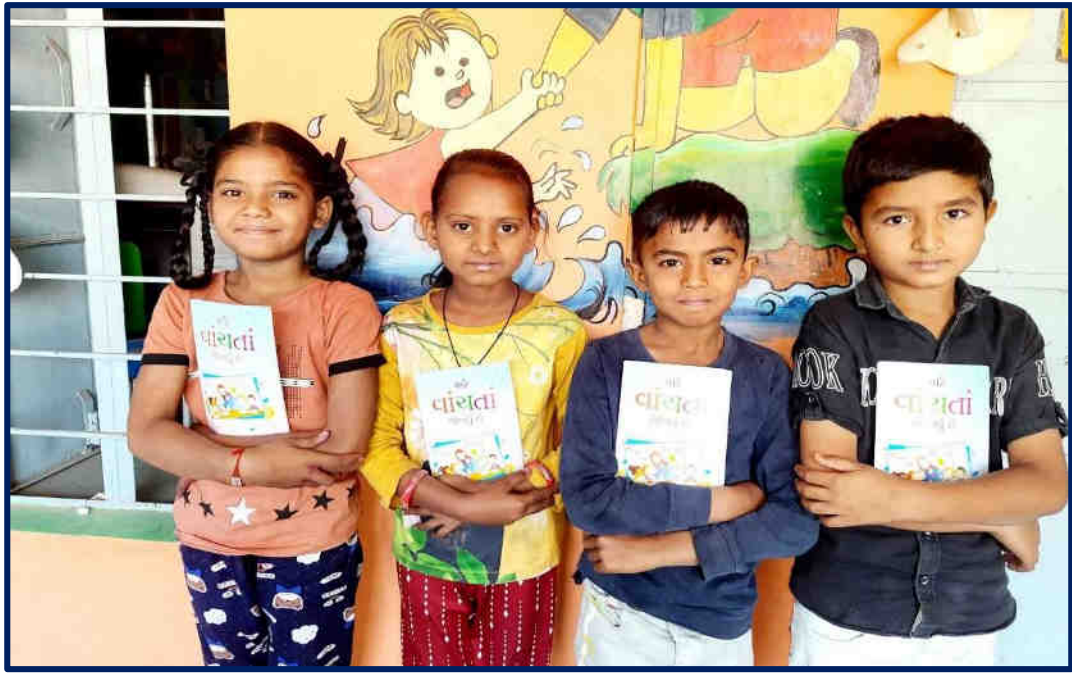
PERIPHERAL VILLAGES					
S.N	Village	Household	Population	Male	Female
1	Rahiad	355	1694	862	832
2	Kaladara	393	1663	934	729
3	Vengani	202	908	462	446
4	Koliad	152	676	321	355
5	Atali	239	1150	612	538
	Total	1341	6091	3191	2900

New Villages added in Pashudhan Program					
S. N	Village	Household	Male	Female	Total
1	Vav	155	378	347	725
2	Janiadara	150	361	368	729
3	Kododara	420	1018	977	1995
4	Sambheti	82	226	190	416
5	Nadarakh	92	220	227	447
	Total	899	2203	2109	4312

Thematic Areas

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

EDUCATION





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

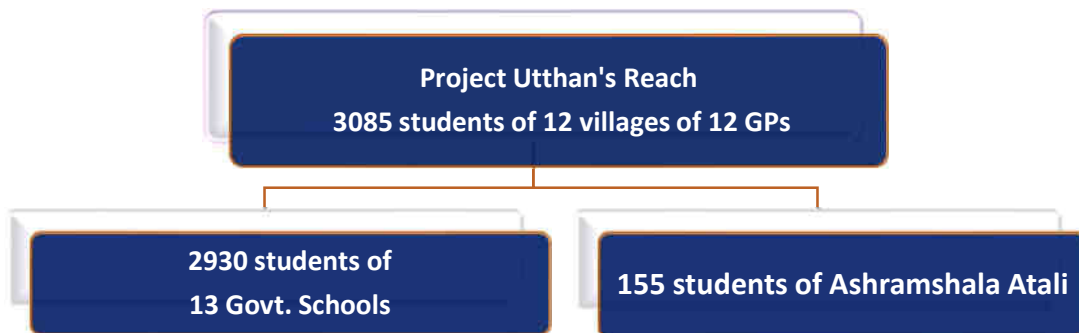
4.1.1 Proportion of children and young people (a) in grades 2/3; (b) at the end of primary; and (c) at the end of lower secondary achieving at least a minimum proficiency level in (i) reading and (ii) mathematics, by sex

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 13 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

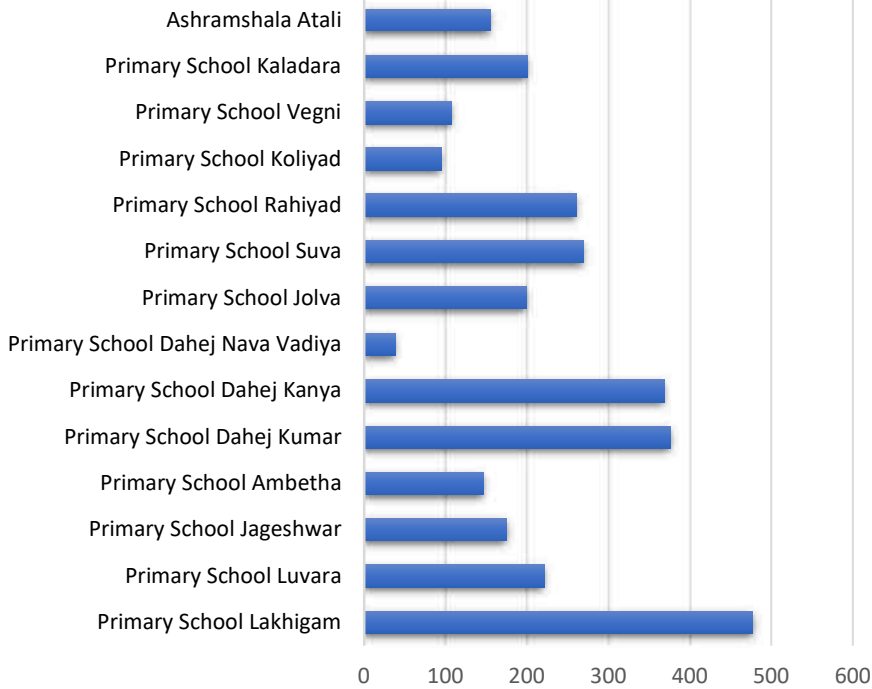
PROJECT UTTHAN



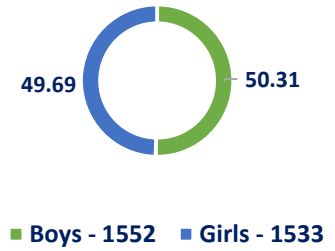
SCHOOL DETAILS

SI	School name	Village	School Strength	Classes	Name of Principal	No. of Teachers
1	Primary School Lakhigam	Lakhigam	477	1 to 8	Chetanaben R. Patel	12
2	Primary School Luvara	Luvara	221	1 to 8	Ushaben H. Patel	4
3	Primary School Jageshwar	Jageshwar	175	1 to 8	Sureshchandra G. Baria	6
4	Primary School Ambetha	Ambetha	146	1 to 8	Budhabhai L. Gohil	5
5	Primary School Dahej Kumar	Dahej	376	1 to 8	Devendrabhai R. Pandya	11
6	Primary School Dahej Kanya	Dahej	368	1 to 8	Monikaben V. Patel	12
7	Primary School Dahej Nava Vadiya	Dahej	38	1 to 5	Purnimaben H. Mistry	2
8	Primary School Jolva	Jolva	199	1 to 8	Shilpaben M. Mecwan	6
9	Primary School Suva	Suva	269	1 to 8	Anthony Mecwan	7
10	Primary School Rahiyad	Rahiyad	260	1 to 8	Kapilbhai N. Vasava	8
11	Primary School Koliyad	Koliyad	94	1 to 8	Rajeshbhai Patel	4
12	Primary School Vegni	Vegni	107	1 to 8	Chhatrasinh S. Solanki	5
13	Primary School Kaladara	Kaladara	200	1 to 8	Iliyashbhai Y. Kadva	7
14	Ashramshala Atali	Atali	155	1 to 8	Jaswant M. Prajapati	5
	Total		3085			

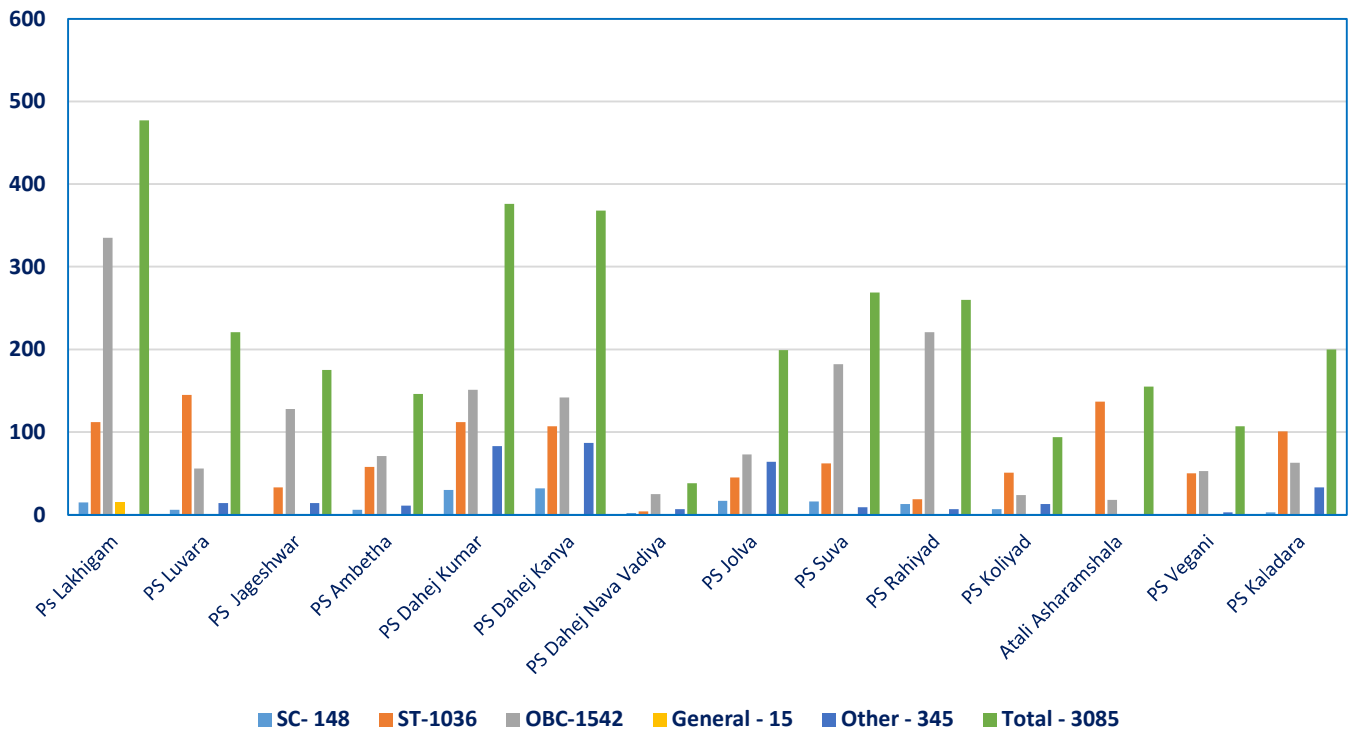
School Strength



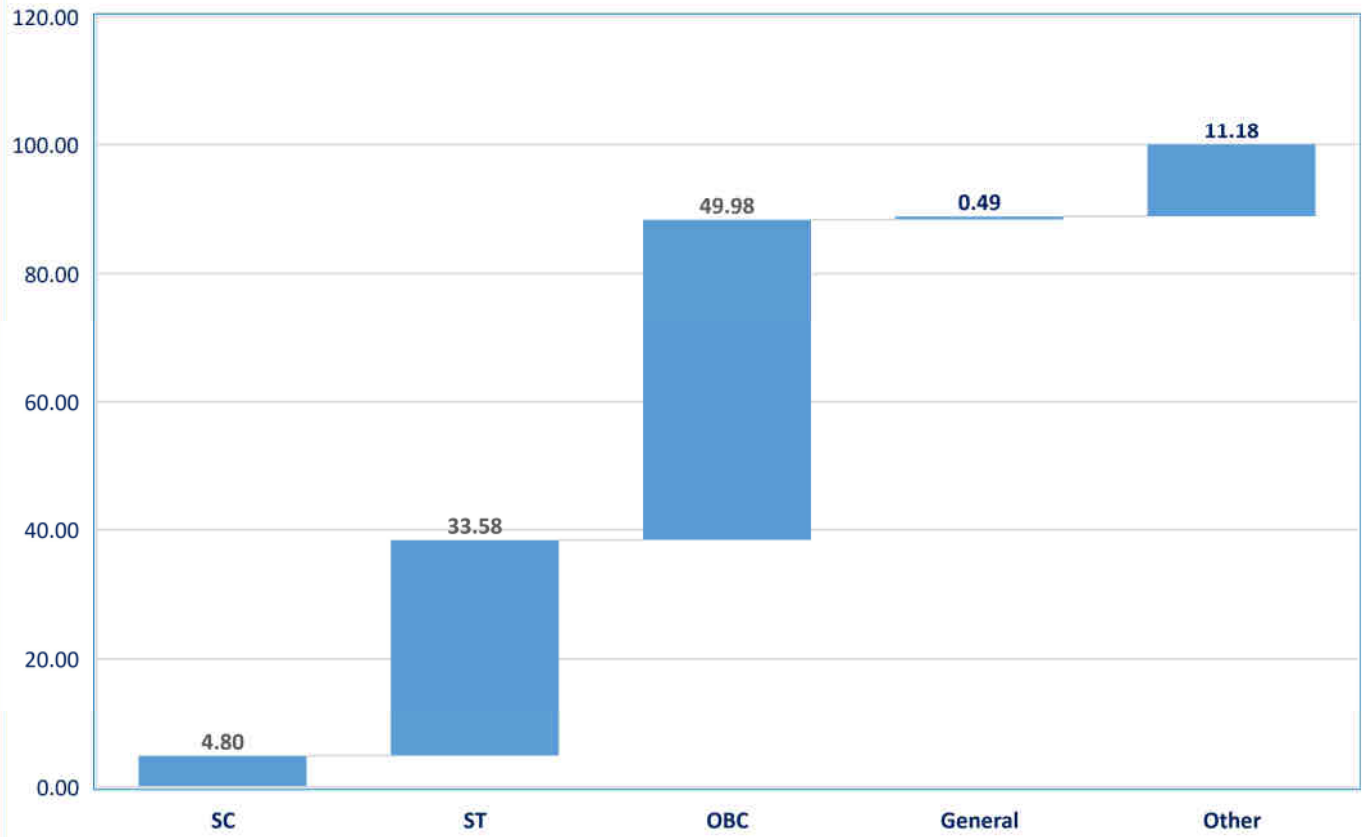
Boys vs Girls Enrollment in Class 1 to 7



School wise Community Details



Details of Derpived Commuity



Project Launch Event

On 29th September 2021, Project Utthan formally launched at Dahej site, with objective of Enhancing the teaching learning outcomes by empowering Priya Vidyarthi (Progressive Learners) at Govt. Primary School, Lakhigam.

Project Utthan's objectives, Achievements and Way forward project ideas were shared. The project reaches 14 schools of 12 villages and coverage of 3085 students.

All School Principals, teachers and CRC welcomed Project Utthan and they conveyed they're thanks to Adani Foundation for innovative education project.



Snehamilan program

The program objective is to build a professional relationship and create visibility of "Utthan project" in Govt. Schools.

14 School Head Teachers and Utthan teachers have participated in Snhehamilan program schools 14 from 12 Villages.

Positive achievements of projects shared with Head teachers and Utthan teachers' efforts during the Diwali vacation as Faliya learning activity, all teachers' efforts and support are appreciated, and gift of token given to them as Diwali gift.

Head teacher Virendrasinh Said "Project Utthan really an innovative approach of Adani Foundation in Govt. Schools.

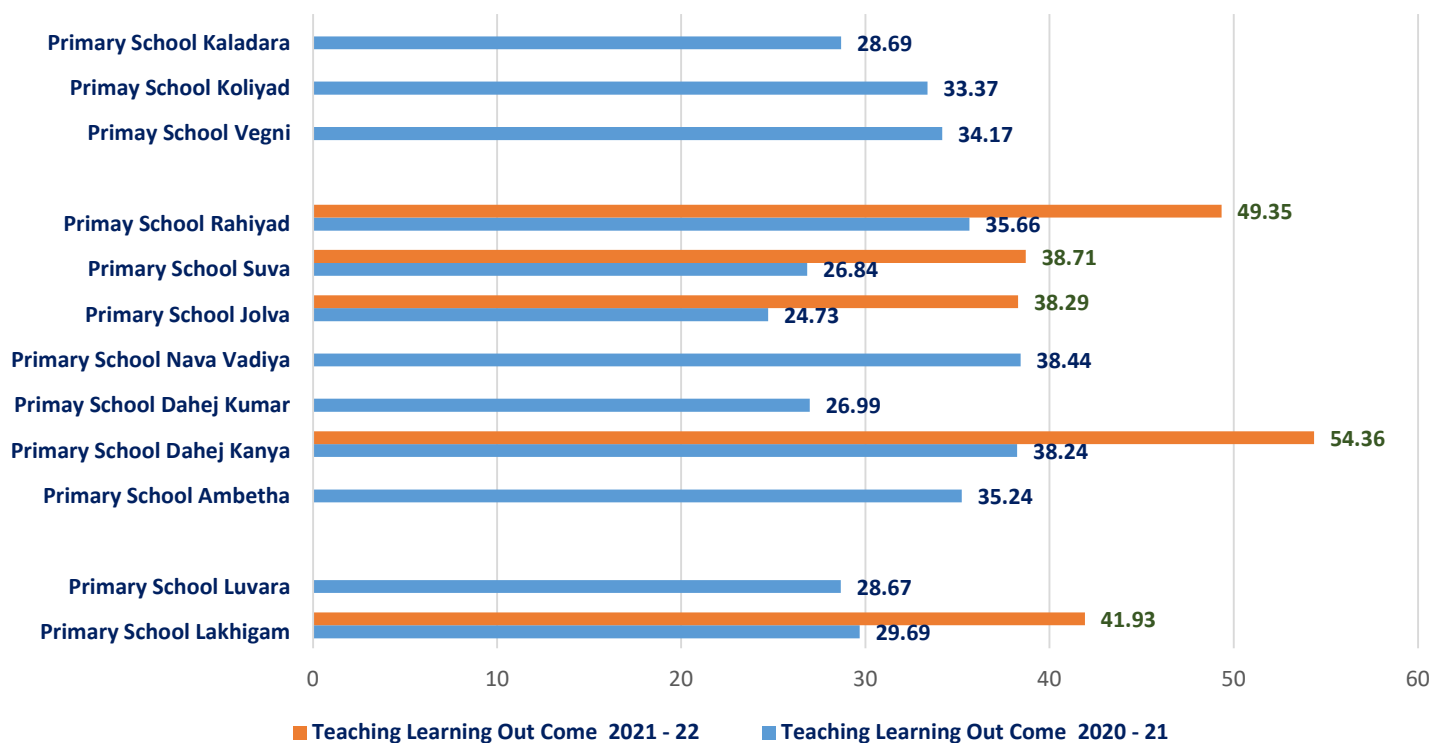


Learning outcomes of Utthan Schools

Academic year	Numbers of school in grade				
	A+	A	B	C	D
Gunotsav 2020-21	0	0	11	2	0
Gunotsav 2021-22	1	0	4	0	0

*Gunotsav report 2021-22 of 10 schools yet to be received

Gunostav Data Analysis



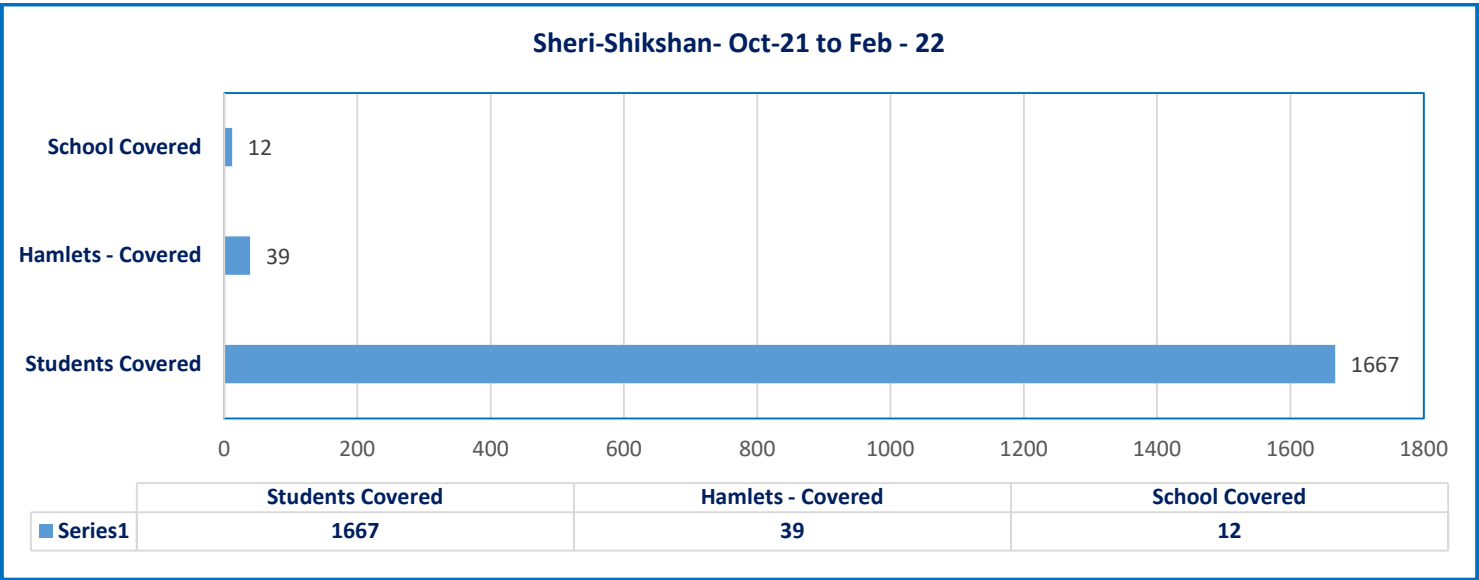
Achievement in introducing English as a third language in Class 1- 4 – Assisted 911 students



The English language plays a vital role in our lives as it helps in communication. It is the main language for studying any subject all over the world. English is important for students as it broadens their minds, develops emotional skills, and improves the quality of life by providing job opportunities. In Gujarat, the Government introduced English in class 4. Project Utthan initiated to provide basics of English from class 1 with a structured syllabus. 911 students are covered so far.

Class	Students are being taught
I	<ul style="list-style-type: none"> ✓ Standing line, sleeping line, Left Slanting line, Right Slanting line, Left Curve, Right Curve, Up Curve, Down Curve ✓ Writing capital letter of A to Z, Identification of alphabet, Match alphabet with object
II	<ul style="list-style-type: none"> ✓ Writing capital and small letters ✓ Week, month, and numbers up to 30
III	<ul style="list-style-type: none"> ✓ Differentiate between capital and small letters ✓ Recite rhymes ✓ Numbers 1-50, English name of shapes, fruit, vegetable, and stationary items
IV	<ul style="list-style-type: none"> ✓ Capital and small letters ✓ Body parts, Golden words ✓ Action words: Sit down, stand up, Run, Walk, Jump

Sheri-Shikshan class is initiated with objective of increase children’s regularity, filling gap of learning process, and child can feel positive energy after long vacation when he/she goes to school at very first day. Other hand such activity builds a strong rapport with students and teachers. By Faliya learning activity we have reached to 1667 students. Among these 584 students were progressive learners whereas 1083 were regular one.

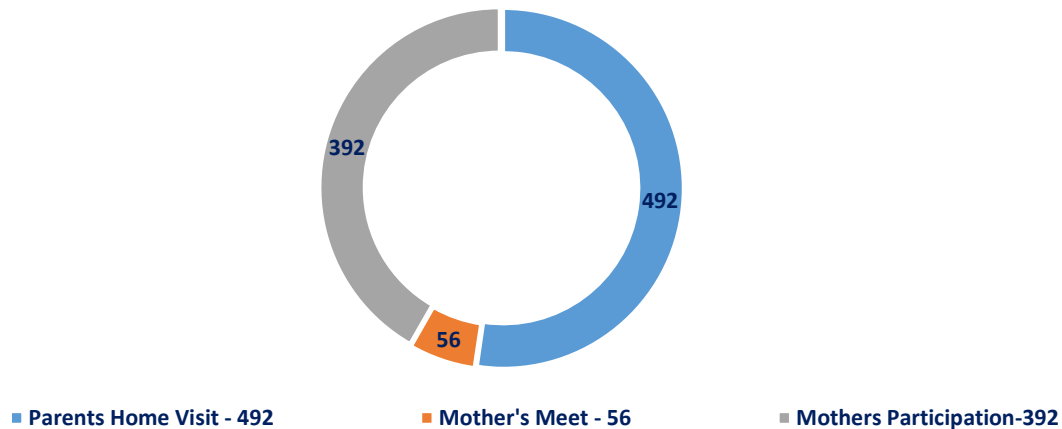


As a part of rural area getting support from both the parents in students' academic growth is a big challenge. It is believed that upbringing of children is solely Mother's responsibility. Parents encouragement in child's education can have a positive impact towards in child learning. With this observation Project Utthan started conducting home visits and Mothers' meet to discuss an academic and non- academic performance of the student. It helps to know and work for the child's performance.

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

Mothers Enagement 2021-22



Teachers are being given continuous opportunities for self-improvement and to learn the latest innovations and advances in their professions. These are offered in multiple modes, including in the form of local, regional, state, workshops as well as online teacher development modules. Platforms (especially online platforms) are developed so that teachers may share ideas and best practices. Each teacher is expected to participate in at least 50 hours of CPD opportunities every year for their own professional development, driven by their own interests. CPD opportunities, systematically cover the latest pedagogies regarding

- ✓ Foundational literacy and numeracy
- ✓ Formative and adaptive assessment of learning outcomes
- ✓ Competency-based learning and related pedagogies. such as experiential learning, arts-integrated, sports-integrated, and storytelling-based approaches

To make the project sustainable Utthan closely works with Block Resource Coordinators to organize monthly training sessions for Utthan sahayaks. Training sessions are aligned with National Education Policy 2020.

Capacity Building of Utthan Team				
S. N	Session	Duration	Participants	Resource Person
1	Overview of Project Utthan	1 day- August 2021	8	Mr. Jatin Upadhyay
2	Adult Learning Principles & Child Psychology	3 days - December 2021	12	Mr. Vaibhav Parikh
	Self-Analysis & Situation Analysis			
	How to listen and talk to child			
	Art of storytelling			
	How to be creative in teaching			
	NEP 2020: Basic Literacy and Numeracy			
	Bringing the World to The Classroom & Classroom to Life			



Competitions and Celebrations – Participated 1255 students

Healthy competition inspires kids to exhibit their maximum potential. When students compete, they will become more inquisitive, research independently and learn to work with others. They will strive to do more than is required. These abilities prepare children for future situations of all kinds. Due to pandemic students were away from multiple competitions. These celebrations help in

- ✓ Improving teamwork and collaboration
- ✓ Enhancing social and emotional learning
- ✓ Increasing intrinsic motivation
- ✓ Facilitating growth mind-set
- ✓ Building mental toughness

In this academic year as per the situation virtually or physically monthly competitions and celebrations were organized under the project.



Title of Celebration/competition	Activities performed
Children's Day	✓ Paint party
National Maths Day	✓ Sudoku Competition ✓ Shape Painting ✓ Documentary movie on Shri Ramanujan.
National Youth Day	✓ Character sketch of Swami Vivekananda ✓ Timeline of Swamiji ✓ Speech on Swamiji ✓ Quote Competition ✓ Short documentary on Swamiji
National Girl Child Day	✓ Contribution of Savitribai Phule in girl child education
National Science Day	✓ Ramp walk: Girl/Women noble laurels in science ✓ Model making ✓ Documentary on Raman effect ✓ Guest lecture
International Women's Day	✓ Women's Day with Mothers

Sports Activity in Schools

As per Company Act 2013's that includes training to promote rural sports, nationally recognized sports, Paralympic sports and Olympic sports. Adani Foundation organized Inter School Volleyball Tournament for boys & girls of 14 Primary schools and 3 Govt. Higher Secondary Schools of Dahej area. Sports play a significant role in improving learning and development of the children. It is also increasing the confidence, mental alertness, and self-esteem of the children. For this tournament total 210+ students participated as 168 girls and 168 boys from Govt. Primary Schools and 42 boys & girls from Higher Secondary Schools: Dahej P.J.Cheda High School, Government High School Lakhigam and Shri OM Hari Vidhyamandir Jageshwar.

Such activity encouraged and motivated girls & boys to take part in such games. Such activity developed good relationship in all project schools.



Creating joyful learning spaces

100%
Utthan Schools
are well versed
with

100%
Utthan Schools
are well versed
with

- ✓ **Smart classrooms**
- ✓ **LED TV**
- ✓ **Sports materials**
- ✓ **BALA Painting**
- ✓ **TLMs focusing language and numeracy**

BaLA Painting in -14 Govt. Schools

The project is mainly focused on progressive learners and take them to the mainstream through different teaching methods (TLM) using by Utthan Sahayaks. To make safe environment in teaching space for the children through developing child-friendly, learning and fun based physical environment building in school infrastructure. BaLA is one of the best learning concepts supporting in qualitative improvement in education through intervention on school building infrastructures.



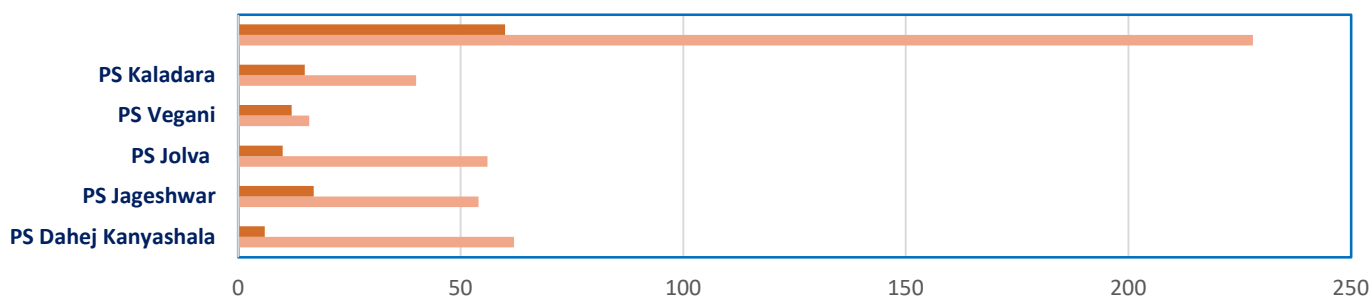
Digital equipment supports in 10 Govt. schools

Through smart classes it has made learning fun and interesting for the students and enables teachers to teach effectively. It provided opportunities for the students to help in understanding the concept better and achieving academic excellence. Schools has become friendly and inclusive education for progressive learners. 2406 students have benefited so far in 10 Govt. Schools.

Project connected with the roadmap given by GoG /Central Government

- Capacity building programs for Utthan sahayaks and school Teachers
- 90% students were involved in various activities under Aazadi ka Amrit Mahotsav
- 100 hours were given in 'SAMAYDAAN'
- 100 % participation in 100 days reading campaign
- Project is in alignment with NIPUN Bharat: FLN

Progressive Learners Mainstreaming Details



	PS Dahej Kanyashala	PS Jageshwar	PS Jolva	PS Vegani	PS Kaladara	
Mainstreaming	6	17	10	12	15	60
Total Progressive Learners	62	54	56	16	40	228

Mainstreaming Total Progressive Learners

Success stories



My name is Kavita Ganpatbhai Rathod, studying in class 6th at Dahej Kanya School. My parents are daily wages workers and having small house. Parents are not taking interest in my study and always busy of doing their work. Due to such reasons parents are not able to give time to me. I was not able to identify the numbers, not able to read and write even am in class 6th. I score level – 1 during the Baseline assessment. I found difficulty in identify the numbers, not able to utter Gujarati alphabets. Utthan Sahyak Renukaben Gohil came to know about me when baseline assessment test was done in Oct-21. After knowing the difficulty of mine, she started taking special classes. School called them as Priya Vidhyarthi. Renukaben used various methods of teaching and use of Teaching Learning Materials – that motivated me to take interest in study. I became regular in the class and doing homework at home. Falia learning – I enjoyed very much.

Now I am able to write words, paragraphs, identify the numbers and confidently speaking in the class.



My name is Riya Ashokbhai Solanki, studying in class 6th at Primary School Lakhigam. My father is a Welding technician at G.F.L and mother Urmilaben Gohil is a housewife. My mother did not get education due to family condition therefor they do not support in learning at home. Project Utthan an innovative new program designed to build foundational skills like reading and arithmetic. Ankitaben, the instructor who is assigned to begin the learning improvement intervention in Lakhigam school, began with a quick assessment. She discovered that Priya could not even read, write and simple arithmetic. I was not able to identify the simple numbers, gujarati alphabets, not able to read and write even am in class 6th. I found difficulty in identify the numbers, not able to utter Gujarati alphabets. Utthan Sahyaks Ankitaben has come to know about my difficulty in Oct-21. After knowing the difficulty of mine, she started taking special classes. School called them as Priya Vidhyarthi. Regular home visit and counseling of parents on learning of her child development. Used of various methods teaching and learning, Use of TLM materials. I regularly attend the class and doing home at home. As my parents used to check my daily notebooks and asked for study at home. Now I am taking interest in the class and regular in.

Now I can write words, paragraphs, identify the numbers and confidently speaking in the class.

Voice from the field



My name is Pravinaben from Lakhigam I am very happy that my son “Veer” who is studying in class 5th now able to read, write, and speak and We, as a parent always aske to sit for home when he come to home. I thank “Adani Foundation for such a wonderful Project Utthan.

I am Premilaben from Dahej “first of all I thank Utthan Sahayak that my child Riya, studying in class-6th. She was not regular in the class and not able to read gujarati alphabets, writing paragraphs. But today, she is able to read, write and speak without fear. It is only possible through Utthan project. I thank you very much to Adani foundation.



Primay School Rahiyad principal “Kapilbhai Vasava said ‘I appreciate the work of Adani foundation for innovative project Utthan and providing library books and sports items to school children.

CRC Ramsingbhai “Said” that Utthan is an innovative project that focused on progressive learners’ children and enhanced education quality due to conducive and activity-based teaching. I thank Adani foundation for adopting Govt. Schools under Project Utthan.



Recognition by Port Business



Sh. Jagdish Patel Sir, COO, Adani Dahej Port has appreciated the work of Project Utthan for achievements of reaching 992 progressive students during Diwali vacation. They were covered under Faliya learning by Utthan Sahayak. Utthan Sahayak also visited 82 mothers. **Mr. Sunil Gamit, Project Officer** got **SPOT RECOGNITION** by port business for credible achievements of Project Utthan.

Project Utthan Visibility at District Level Meeting



AF participated in District Level Coordination Committee meetings of Primary Education. In the meeting DDO, DPEO, Dy. DPEO, BRCs and organizations Adani Foundation, Nandi Foundation & Pratham were participated.

Adani foundation shared the baseline experiences of 8 schools and way forward for remaining baseline assessment. The meeting provides a stage to share success inputs in “Nipun Bharat Program”. Objectives and outcomes: -

- Improved foundational skills of children to reduce dropouts.
- Enhanced education quality by conducive and activity-based teaching.
- Create creative curriculum activities

Community Health

Project Swasthya Apne Hatho Me

SDG Alignment

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

Objective: To develop and implement community-based, non-pharmacological lifestyle interventions for diabetes and hypertension and women's health concerns and reduce the risk of complications due to said disorders in villages

1. Rbs test data:

Adani Foundation Dahej has supported Primary Health Centre, Dahej with HbA1C Analyzer, Biochemistry Analyzer and multi diagnostic kits. In October - March, 433 patients underwent blood sugar level test.

Adani Foundation Dahej								
Primary Health Centre, Dahej Blood Sugar Test Data								
	Village	Month wise data						
S. N		Oct	Nov	Dec	Jan	Feb	March	Total
1	Dahej	35	28	26	29	43	40	201
2	Jolva		4		5	4	16	29
3	Atali	2	1	2	4	1	6	16
4	Ambheta	2	5	1	4		7	19
5	Lakhigam	5	3	6	7	2	14	37
6	Rahiyad	1	1		1	2	3	8
7	Luvara			4	2		4	10
8	Kadodara		3	2	2		3	10
9	kaladara		2	4	4	1	5	16
10	Suva	1	4	5	1	3	1	15
11	Paniyadra			8	5		4	17
12	Vadadla	1		2	8	1	6	18
13	Vhiyal							
14	Koliyad		2		2			4
15	Narnavi		1					1
16	Jageshwar			1	6	1	4	12
17	Jambusar							
18	Galenda		1					1
19	Vav			2	1			3
20	Bhensali					1	5	6
21	Akhod				1		7	8
22	Vengani					2		2
	Total	47	55	63	82	61	125	433

2. **Capacity building of Aarogya Sakhi** (Village Health Volunteers): Volunteers underwent 6 days training on lifestyle diseases. Ms. Seema Deodhar, Public Health expert imparted the training.

Community Health Volunteers (CHW) of Lakhigam, Luvara, Jageshwar, Dahej and Jolva underwent 6 days training on lifestyle diseases – causes, prevention & treatment

Date	Topics Covered
25.10.21	Objective of the project, digestive system described through video, discussion on baseline survey form about family information and gynecological problems
26.10.21	Training on BMI calculation, waist circumference & waist- hip ratio and interpretation of such values for screening of pre diabetic cases. Field testing of baseline survey form in Lakhigam village
27.10.21	Nutritional content with focus on carbohydrate & protein Field visit to Lakhigam for practicing Anthropometric measurements Technique of FGD was taught. 2 FGDs were conducted on women's reproductive health Introduction to intermittent fasting Diet plan for prediabetes & hypertension cases
28.10.21	Introduction to reproductive system & menstrual cycle - misconception, Menstrual hygiene
29.10.21	Stress scale survey, arthritis survey form, nutrition knowledge survey form explained Field testing of stress form and arthritis form at Lakhigam
30.10.21	Revision of intermittent fasting Vitamins and their functions Trainees had prepared high protein and low carb recipes which was put together for lunch



3. Specialized Health Camps

Adani Foundation, in collaboration with Luwara, Jageshwar and Lakhigam Gram Panchayats organized multi-specialty health camps in these 3 villages under "Project Swasthya Apne Haath Mein". 168 patients were treated at the camp. Out of these 168 patients, 40 women had gynecological problems, 14 patients underwent ECG and 19 for sugar test.

Services were provided by a team of physicians, gynecologists, dieticians, counselors and nurses of SR Health Service, Bharuch.

Prior to the medical camp, the BMI, waist – thigh ratio, hip – thigh ratio of all men and women aged 35 and above were measured by village health volunteers to find out probable cases of diabetes.

Organized Medical Camp

S. N	Village Name	Patients treated	Gynecological Patients	ECG	Sugar test
1	Luvara	63	17	6	0
2	Lakhigam	65	12	5	5
3	Jageshwar	40	11	3	14
	Total	168	40	14	19

Patients BMI Measurement:

S. N	Village Name	BMI	Baseline Survey	FGD
1	Lakhigam	121	0	0
2	Luvara	341	0	2
3	Jageshwar	283	37	5
4	Dahej	730	30	11
5	Jolva	220	0	1
	Total	1695	67	19



4. AWARENESS PROGRAMS

Global Handwashing Day

Global hand washing day observed with school children of Lakhigam. 15 children of Govt. Primary School participated in this event. They were enjoyed hand washing exercises and learnt Steps of hand washing with soap - Importance of hand washing, Hand washing for 20 seconds.

Teachers and students were advised to carry a soap with themselves to protect from germs. In corona period it becomes essential for everyone to maintain the hygiene



World Disability Day





District Social Defence Department, Bharuch, Adani Foundation & Asmita Vikas Kendra, Trasla celebrated world Disability Day at Civil Hospital Bharuch, A Special Camp was organized for Divyang for their certification by civil surgeon & registration as per criteria under Govt schemes. AF Mobilized more than 50 Divyang of different villages of Vagra taluka to avail the benefits of govt. schemes. Civil surgeon Dr. S R Patel and his team explained about medical services whereas District social Defence officer Mr. A. Y. Mandori elaborated schemes for divyang. Education Department also shared scholarship schemes & facilities for Divyang in Schools.

Output: 2 beneficiaries Priya Nagin Machhi (Lakhigam village) and Mr. Natwar Rathod of Ambheta village got tricycles whereas 2 others named Mayank Balwantsinh Parmer (Luvara village) and Krushndeeep Pradyumansinh Rana (Dahej village) got disability certificate and UDI card.

AF also celebrated the day with Kalrav –a school for differently abled children.



Sustainable Livelihood Development

-  Pashudhan Program
-  Project Annapurna
-  Women Entrepreneurship
-  Integrated Model Suva

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

- During October to March 2021-22, **363** Artificial inseminations were performed through Dahej centre, **134** dairy animals were conceived, and **139** calves were born in cows and buffaloes out of which **72** are female calves.
- During October 2021 - March 2022 total **52** inseminations with SSS were done out of which **24** inseminations were done in cows i.e., **32%** against total inseminations and remaining **28** are in buffaloes i.e., **15.30%** against total inseminations.
- 100% follow up of **252**(cow & Buffalo) inseminations was completed which were done w.e.f. October to March out of those 121 animals found pregnant after pre rectal examination.
- During the period total **148** inseminations were done in cows out of which **103** Per Rectal Examination were done w.e.f. October to March for which follow up was done for confirm pregnancy and **53** cows are found confirm pregnant. Conception rate in cows is **35.81%**.
- During the year total **182** inseminations were done in buffaloes out of which **125** animals Examination were done w.e.f. October to March for which follow up was done for confirm pregnancy and **68** buffaloes are found confirm pregnant. Conception rate in Buffaloes is **37.36%**.
- Highest number of inseminations were done in village Vengani where **26.96%** against total number of inseminations during the year followed by Dahej and Kaladara where **20%** and **7.57%** inseminations were done.

AI, PD, CALVING DATA OCTOBER 2021 - MARCH 2022														
Month	AI			Examination			Pregnant			Cow Calving		Buff Calving		
	Cow	Buff	Total	Cow	Buff	Total	Cow	Buff	Total	Male	Female	Male	Female	Total
October	26	48	74	24	17	41	13	16	29	7	6	13	15	41
November	23	38	61	23	13	36	12	9	21	10	8	10	14	42
December	22	18	40	17	20	37	7	10	17	3	5	8	8	24
January	26	27	53	14	25	39	9	11	20	4	5	4	6	19
February	23	50	73	16	32	48	10	20	30	2	1	3	1	7
March	38	24	62	20	25	45	8	9	17	2	1	1	2	6
Total	158	205	363	114	132	246	59	75	134	28	26	39	46	139

Capacity Building: total **5 trainings** on scientific animal husbandry practices were organized in project villages namely Kaladara, Koliyad, Ambheta, Luvara and Atali. **216 farmers** were trained out of which 129 were female participants and remaining 89 were males. These participants hold total 371 animals out of which 94 are cows, 164 buffaloes, 48 cow heifers and 65 buffalo heifers.

CAPACITY BUILDING			
S. N	MONTH	VILLAGE	PARTICIPANTS
	OCTOBER		
1		Koliyad	56
2		Kaladara	51
3		Vav	54
4		Ambheta	25
5		Atali	30
			216

Topics Covered in Trainings

1. Animal Rearing and it's Management
2. Heat Detection and it's symptoms
3. Animal Insurance
4. Balanced Ration
5. Importance of Mineral Mixture
6. Importance of Deworming and Vaccination
7. New Technology in Animal Husbandry
8. Importance of Sex sorted Semen

Vaccination: total **1745** vaccinations for three diseases (FMD, BQ & HS) were done in Vengani, Kaladara Koliyad Luvara, Jageshwar, Lakhigam, Atali, Rahiyad & Dahej villages namely where **539** vaccinations in cows, and remaining **1206** vaccinations in buffaloes of total **1745**.

S. N	Village	Animals
1	Koliyad	251
2	Kaladara	293
3	Vengnni-	252
4	Dahej	270
5	Luvara	256
6	Lakhigam	200
7	Atali-	169
8	Ambheta	54
	Total	1745

Deworming: Total **1516** animals covered under deworming and **300** calves covered under this activity with total beneficiaries **covered 155** of villages Luvara, Vengni, Koliyad, Kaladara, Jageshwar, Dahej & Atali.

- Before Deworming team examined the **fecal sample of 130 animal at MDTTC lab chikhli** in these 68 animals **had fasciol infection** After deworming it was followed and re-examination done all animals free from infection
- Due to broad spectrum anthelmintic within 7 days there was complete removal of parasite from external as well as internal body.
- In **38 heifers** from Luvara, vengnni & Rahiyad showed sign of Heat after administration

Promotion of Mineral Mixture: total **535 kg** mineral mixture were given. **128** dairy farmers of 9 project villages Viz. Dahej, Lakigam, Luvara, Jageshwar, Rahiyad, Koliyad, Vengani, Kaladra and Suva get benefitted. These farmers used mineral mixture for **455** no of milking cows and buffaloes, 207 pregnant animals and 38 heifers.

Output

- Inter calving period has reduced
- Milk production of animals is increase by 11%.
- Reduced age at first calving (AFC) by 28 months in buffalo heifers previously it was reported as 36 years
- Helps to reduce economic burden for rearing of unproductive animals for longer period

Infertility and General Health Camps: Total 205 animals treated in camps organized in 5 villages namely Luvara, Koliyad, Kaladara Atali & Vengani. The Total 118 family get covered. Total 66 animals were treated for various clinical disorders viz. Rumen dysfunction, mastitis, lameness and heavy ectoparasitic

Sr.	Village	No of animals	No of beneficiaries
1	Koliyad	58	28
2	Kaladara	41	24
3	Luvara	41	27
4	Atali	29	17
5	Vengnni	36	22
	Total	205	118

Output

- Total 95 animals were treated for various gynecological disorders out of 41 animals get inseminated after treatment and 13 animals are found confirm pregnant.
- Total 40 animals were treated for Parasitic infestation that also recovered in 7 days post camp

Calf Rearing: total 21 female calves of **21** Beneficiaries were selected for calf rearing activity out of which **8** were cow calf and **13** buffalo calves from 5 project villages namely Dahej, Luvara Vengnni, Rahiyad & Kaladara . For all selected animals gave support of 360 kg concentrate mixture, 9kg mineral mixture and periodic deworming. The Selected Calf 6–8-month calf were selected. The average birth weight of female calves under CRP was 11.8 % every month, which was higher than the calves maintained under conventional feeding system.

ALLIED ACTIVITIES

Green Fodder Cultivation: In Livestock rearing more than 60% of expenses happens on feed and Fodder. To reduce their expenses, AF provided scientifically developed BNH-10 fodder varieties at farmer land. This green fodder avail round the year at their own land which reduces the feeding expenses and get proper nutrition which have ultimate effect on animal health and milk production.

For effective implementation of fodder development activities, technical support was provided to 34 farmers of 8 project villages Luvara, Jageshwar, Lakigam, Kaladara, Vengani, Koliyad, Rahiyad & Kaladara , support of 17500 nos stumps of BNH 10 variety was promoted .Total area under fodder cultivation was 7.27 acre land. Total fodder produced **119.55 ton** by these beneficiaries helped to meet out fodder requirement and production value of fodder Rs. **619250/**.

Vermi compost production: 5 families from Vengani, Dahej and Kaladara villages were selected for vermicompost demonstration and gave support of 1 vermicompost bed made up of HDPE material and earthworm. It is expecting that they will produce minimum 300 kg vermicompost at 55 to 60 days cycle. As demand of vermicompost is very high in Dahej in Industries so they may sale their produce at the rate of Rs. 10/kg which helps them to earn income

Kitchen garden: 60 beneficiaries got vegetable seedlings like chilly, tomato & brinjal. The farmers under Kitchen Garden with drip get 250 seedlings in Jageshwar, Lakhigam, Vengnni, Kaladara, Naya Kaladara and Koliyad villages.

Event:

Calf Rally: A calf rally event was organized in Vengani village. 107 female calves participated in this event. They were in the age group of

Sr	Particulars	No. of calf
1	0-6 month	48
2	6-12 Month	35
3	12- above	24

A panel of experts selected healthy calves in different categories and beneficiaries got prizes as token of encouragement/promotion to animal husbandry practices.

1. **Exposure Visit:** 46 dairy farmers including 17 females visited Vav villages Shah Fodder farm - Pingalvada, Dist Bharuch, College of Veterinary & Animal husbandry- Anand Dist Kheda, Collage of Agriculture- Anand Dist Kheda, Amul Dairy Plant, Annad Dist Kheda, Progressive Farmer at Delvada Dist Mehsana, Indo-German-Israel Farm Dist Sabarkantha. Objective was to observe and learn new technology in livestock and agriculture sector.

IMPACT OF CATTLE BREEDING PROGRAM

S. N	PARTICULAR	Nos.
1	Total Villages	12
2	No of Families Benefitted (Direct)	481
3	No of Artificial Insemination (Cow +Buffalo)	2279
4	No of Confirm Pregnancy (Cow + Buffalo)	1171
5	No of Female Calves Born (Cow +Buffalo)	485
6	No of Male Calves Born (Cow +Buffalo)	432

7	No of New Dairy Farm developed during Project Period (In 6 project villages)	12
8.	No. of Old Dairy Farms get timely Breeding Services (In 4 villages)	6
9	Employment Created for Families through Dairy Farming	32
10	No of New Milk Cooperative Society for Milk collection and sale through milk union	2

PROGENY CALVING & MILK INCOME

S. N	YEAR	No. of Female Calving (Cow+ Buffalo)	INCOME OF MILK		
			Milk Production of High Pedigree born (Cow+ Buffalo) 2000 Lit/Lact	Total value of Milk as per Open market rate. Approx. Rs.60 / Lit.	Total value of Milk as per rate of Dairy's. Approx. Rs.50/ Lit.
1	2020 - 21	2	4000	240000	200000
2	2021 - 22	4	8000	480000	400000
	TOTAL	6	12000	720000	600000

Created Female Asset Value Report Period: - November-2017 to March-2022							
S. N	Age (Month)	No of Female			Market Rate Rs	Total Asset Value Rs.	Remarks
		Cow	Buffalo	Total			
1	0 - 6	22	63	85	2,000	1,70,000	
2	6 - 12	22	45	67	6,000	4,02,000	
3	12 - 18	27	56	83	15,000	12,45,000	
4	18 - 36	94	76	170	20,000	34,00,000	
5	36 & above	22	25	47	25,000	11,75,000	
6	Progeny AI	13	4	17	30,000	5,10,000	Cow 25000Rs + Buffalo 30000Rs.
7	Progeny Pregnant	9	1	10	37,500	3,75,000	Cow 35000 Rs + Buffalo 40000 Rs.
8	Progeny Calving	4	2	6	52,500	3,15,000	Cow 45000 Rs + Buffalo60000 Rs.
Total		213	272	485		75,92,000	

Created Male Asset Value Report Period: - November- 2017 to March- 2022							
S. N	Age (Month)	No of male			Market Rate Rs.	Total Value Rs.	Remarks
Cows		Buffalo					
1	0 - 6	16	49	65	1,000	65,000	
2	6 - 12	22	24	46	2,000	92,000	
3	12 - 18	34	59	93	5,000	4,65,000	
4	18 - 36	96	71	167	8,000	13,36,000	
5	36 above	27	34	61	15,000	9,15,000	
Total		195	237	432	-	28,73,000	

Dairy Farm Report Period: - November 2017 to March-2022							
S.N	Village	Before Project			After Project		
			No of Animal	No of Labour Staff	No of Dairy Farm	No of Animal	No of Labour Staff
1	Vangani	3	72	6	5	104	14
2	Dahej	1	28	3	4	164	8
3	Jageswar	1	34	2	2	51	3
4	Luvava	1	25	2	4	74	3
5	Lakhigam	0	0	0	2	63	2
6	Koliyad	0	0	0	1	35	2
Total		6	159	13	18	491	32

Pashudhan Program 2nd Centre: Kadodara

Pashudhan Program is extended to new 5 villages of Vagra Taluka, Bharuch. These villages are Vav, Janiyadra, Kadodara, Sambheti and Nadarkha.

Major activities carried out in 5 villages are:

- 1. Capacity Building of Dairy Farmers:** During the year, **total 3 training** programmes on scientific animal husbandry practices was organized in project villages namely **111 farmers** were trained out of which **28 were female participants** and remaining **83 were males**. These participants hold total **189 animals out of which 36 are cows, 86 buffaloes, 15 cow heifers and 52 buffalo heifers**.

Output

1. Get Knowledge about New fodder Variety
 2. Farmer aware about the Artificial insemination and Sex Sorted Semen
 3. Immediately ready for Contribution for Grass fodder of BNH-10
- 2. Vaccination:** total **700** vaccination for three diseases (FMD, BQ & HS) was done in Sambheti, Vav, Nadarkha & Kadodara villages namely where **139** vaccinations in cows , and remaining **611** vaccinations in buffaloes. Total **1068** farmers families were covered.

3. Deworming: Total **500** cattle covered under deworming and 100 calf covered under this activity with total beneficiaries **covered 117** of Village Janiyadara, Kadodara Vav Nakhatra
Output:

- Farmer get aware about importance of periodic deworming
- After Deworming skin Luster change

4. Promotion of Mineral Mixture: total **300 kg** Promotion of mineral mixture Done. **124** farmers get benefitted from 5 project villages Viz. Nadarkha, Vav, Kadodara < Sambheti & Janiyadara.

Output:

- Farmer Aware about the importance of mineral mixture
- 6 Heifer shows sign of heat
- Helps to reduce economic burden for rearing of unproductive animals for longer period

5. Infertility & General Health Camps

Sr.	Village	Clinical	Gynecological	Parasitic	Total No of animals	No of beneficiaries
1	Nadarkha	3	33	7	43	26
2	Vav	5	18	2	28	13
3	Kadadodara	24	27	37	88	63
	Total	32	78	46	159	102

- Total **159** animals treated in camps organized in **3** villages namely Nadarkha, Vav & Kadodara. Total **102** family get covered.
- Total **32** animals were treated for various clinical disorders viz. Rumen dysfunction, mastitis, lameness and heavy ectoparasitic infestation and all are recovered after treatment.

6. Fodder Demonstration: BNH -10 new improved variety fodder distributed to **5** beneficiaries of **3 villages** Vav, Nadarkha & Kadodara. After 3 days from distribution all farmer sowed the cutting in their fields.

7. Exposure Visit: 44 male farmers of Nadarkha, Kadodara & Vav villages Shah Fodder farm - Pingalvada, Dist Bharuch, College of Veterinary & Animal husbandry- Anand Dist Kheda, Collage of Agriculture- Anand Dist Kheda, Amul Dairy Plant, Annad Dist Kheda, Progressive Farmer at Delvada Dist Mehsana, Indo-German-Israel Farm Dist Sabarkantha



PROJECT ANNAPURNA (AGRICULTURE)

Agriculture is one of the sources of livelihood in Koliyad, Vengni, Kaladara, Atali and Rahiyad – peripheral villages ADANI Port at Dahej. However, the productivity of crops and income generation from agriculture is very low. The main reasons for low productivity during *kharif* are submerged land during monsoon, sea water intrusion leading salt accumulation in soils, high TDS water while low during *Rabi* due to lack of adequate irrigation facilities and poor water quality. ADANI Foundation, Dahej in collaboration with KVK, Bharuch for technical support implemented “Annapurna Project” to address these issues of villagers during 2021-22.

Participated farmers in Annapurna Project

Project Annapurna (Agriculture)				
S. N	Activity	Village	Progress in FY21-2022	
			Farmers	Acres
1	Tuver GT104 Demo Plot	Koliyad	14	13
		Rahiyad	9	9
2	Wheat GW451	Vengni	8	20
		Kaladra	1	2
3	Green gram GM-6	Koliyad	5	5
4	Hydrogel	Vengni	21	21
		Kaladra	1	1
			59	71

The details of interventions executed, and outcomes of the activities are as follows:

A. Climate Smart Agriculture

Farmers in project villages grow post monsoon crops viz. wheat, green gram, moth bean etc. on residual soil moisture. Thus, the yield of these crops is at lower side. Moreover, the varieties cultivated by these farmers are old with low potential yield and use of inputs required for crops are minimal. The environment friendly and innovative techniques have been demonstrated in view to enhance the productivity of existing of crops and adoption of technologies in future.

1. Varietal Replacement

The old and traditional varieties of wheat, pigeon pea and green gram having low yield potential were replaced by high yielding and disease resistance varieties GW-451, GT-104 and GM-6, respectively. The varietal replacement resulted into average yield enhancement of wheat, pigeon pea and green gram by 12 %, 20 % and 17%, respectively.



2. Applications of hydrogel

Hydrogel is cross-linked polymers that can hold water 400 times their own weight and release 95% of that to growing plants. Since the project area have scarcity of water and farmers are growing

crops on residual moistures, application of hydrogel is demonstrated in the region first time through project support.

Use of Hydrogel leads to increased water use efficiency and increased frequency for irrigation for crops cultivated by farmers in the project villages. The yield obtained under hydrogel application is 8-10 % higher than the untreated plot.

3. Use of Nano Urea

Nano Urea an innovative product of IFFCO for replacement of traditional urea was provided for wheat crop considering its requirement for nitrogen. This helped farmers in getting 5-8 % higher yield along with improvement in nutrient use efficiency. The same is also facilitated farmers in reducing cost of cultivation.

4. “NOVEL” Banana Pseudo stem Sap

The patented product “NOVEL” of Navsari Agricultural University, Navsari developed from banana pseudo stem which acts as growth promoter and flower inducer demonstrated in wheat, green gram and pigeon pea crops with required quantity. Farmers gave feedback on the product in boosting flowers and pods.

5. Integrated Pest and Disease Management (IPDM)

Environment friendly pest management practices promoted in the project villages through provision of pheromone traps for management of *heliathis* and to manage sucking pests’ neem oil of 1500 ppm concentrations was offered to farmers of the villages. Wilt is one of the most serious diseases of pigeon pea in the district. The best remedial options of using *trichoderma* demonstrated.

The pest and disease incidence were reported less in treated plot by 6% against untreated plots of pigeon pea and green gram

Details of demonstrations under Annapurna project

Activity	Financial Year of	Progress FY21-22		AF Contribution (In Rs.)	Farmers Contribution (In Rs.)	KVK Contribution (In Rs.)	Village name
	inception	Acres	Farmers				
Tuver GT104 Demo Plot	2021	23	23			41400	Rahiyad, Koliyad, Kaladra
Wheat GW451	2021	22	9	44000	11880		Vengni, Kaladra
Green gram GM-6	2021	5	5	3900	1175		Koliyad
hydrogel	2021	22	22	44000	4400		Vengni
Crop inputs	2021	40	40	111000	15510	60000	Koliyad, Vengni, Kaladra
				202,900	32,965	101,400	

B. Farm Waste Management

The project villages are generating huge quantity of organic waste generated from agriculture. Farmers also have good numbers of cattle so the dung also available in ample quantity. The use of vermicomposting technique to manage organic wastes has been increasing rapidly in recent years due to its unique advantages of lower operational and maintenance costs compared with other waste management technologies. Integration of women in the development process is a major challenge. The project also aims at achieving this through specific interventions like organizing them into small groups (SHGs), facilitating regular interactions, imparting skills, and capacities to undertake income generation activities, etc.

Therefore, to promote vermicomposting for recycling of farm wastes, the basic inputs required for the process viz; vermi beds 36nos, earthworms 72nos, watering can 12nos etc. are provided to 12 farmers to the interested and needy women participants. Engaging women participants in vermicomposting provides additional source income.

C. Capacity Building

Capacity building at various levels is crucial for enriching the program from time to time. Thus, farmer to farmer learning mechanism was applied for introduction of improved package of practices and new crops. The participating farmers taking-up demonstration plots were trained in the detailed aspects of the new techniques. The farmers trained for demonstrating the new techniques have been act as trainers for disseminating the improved techniques to other farmers. To achieve this **total 5 trainings** have been conducted depending upon crop stages and need of the farmers. The details of trainings conducted are as follows:



Details of trainings

S. N	Date of training	Title of Training	Village	No of Training	Participants
1	27 Nov'2021	Soil sample collection training	Koliyad, Vengni	2	35
2	20 Nov'2021	Given inputs for crop protection	Koliyad, Vengni	2	29
3	14 Mar'2022	Vermi compost making training	Vengni	1	12
	TOTAL				76

Women Entrepreneurship

SDG Alignment 5: Gender Equality

Achieve gender equality and empower all women and girls

SHGs @ a Glance

S.N	Group	Financial Year of inception	Members	Type of Business	Monthly Saving (In Rs.)	Total Savings (In Rs.)	Total income (In Rs.)	Cumulative income (from inception of the group)	
								No. of groups	Amount in Rs.
1	Shiv Shakti Sakhi Mandal, Jageshwar village	2018	10	Bag making & face masks		3000	2250	1	5,44,061
2	Mahadev Mahila Sakhi Mandal, Luvara	2020	11	Vermi compost	1100	6600	63296	1	2,71,949
3	Sadhdada Mahila Sakhi Mandal, Lakhigam village	2021	11	Amul Parlour, Snacks & Tiffin service	5500	33000	203655	1	4,25,940
4	Ekta Mahila Sakhi Mandal, Jolva village	2022	10		1000	6000	0		
5	Gauseva Mahila Sakhi Mandal, Suva	2022	10			0	0		
	Total		52			48600	2,69,201		13,23,901

1 Shadhdada Sakhi Mandal, Lakhigam

This SHG is running Amul Parlour in Lakhigam village. Their net profit from October 2021 to March 2022 is Rs.203655/-. This was opened in July 2021.

Adani Foundation has provided infrastructure support amount Rs. 3.5 lakh for Amul parlour in form of cabin, refrigerators & furniture amount Rs. 3.5 lakh whereas SHG's contribution is Rs.75,000.

These 11 members group's journey started in December 2019 - nos. of meetings were held for gr. formation & finally it formed in February 2020. Then it gets registered under Livelihood Mission. Members attended trainings - offline & online, exposure visit. They got their 1st order of snacks preparation during Lakhigam Cricket Tournament, January 2021.

Amul Parlor's total sales till March 2022 is Rs. 23.85 lakh.

2. Mahadev Mahila Sakhi Mandal, Luvara

Mahadev Mahila Sakhi Mandal, Luvara is engaged in vermi compost production activity. AF provided materials support to the group in form of

1. TMT bar frame: 23 made from the scraps at Dahej port
2. Heat sealing machine: 1
3. Weighing machine: 1
4. Water cane: 11
5. Vermicompost bed: 14



Participation in District Level Exhibition

AF supported 2 SHGs - Shiv Shakti Sakhi Mandal, Jageshwar & Mahadev Mahila Sakhi Mandal, Luvara moved forward for entrepreneurship. Gr members got an opportunity to sell n market their products in an exhibition organized by Birla Grasim Limited at Rangila Hotel, Bharuch.

Shiv Shakti Mandal presented different types of bags and sold products amount of Rs. 2250/- and got an order of 200 jute bags from Birla Grasim Ltd. SHG has completed 200 nos jute bag order Rs.180 per bag. On the other hand, Mahadev Mahila Sakhi Mandal got order of vermi compost manure from 3 vendors for garden development of 5 acres land. Then SHGs has sold 2.5 tons vermicompost manure according to Rs.6000 per ton.



Integrated Model Suva

Adani Foundation is supporting Suva Gaushala, Suva for institution building. This is managed by a youth group of Gau Sewa Trust, Suva. Objective is to develop an integrated model of agriculture, horticulture, and cottage industries. Gaushala has 2.8 acre of land. This land is being utilized for

- Vegetable cultivation
- Fodder cultivation
- Orchard development

AF's coordination with Krishi Vigyan Kendra, Chaswad supported Youth group in getting 150nos saplings of mango, chiku, custard apple and guava.

In June 2021, under AF's guidance youth group designed Ganga Ma Model for vegetable cultivation.

2. Training program

Animal Husbandry & Vermicompost Training conducted on 28 Feb '2022 by Krishi Vigyan Kendra, Chavad. Sh.Mahendra Patel - Head scientist, Mr.Tushar Bhalani -Horticulture scientist were the resource persons.

Covered topics of the training program

Animal Husbandry

- Disease management of farm animal
- Care and management of calf
- Promotion of ethno- veterinary practices
- Feed and fodder management
- Routine preventive health care practice
- Value addition on dry and green fodder

Vermicomposting

- Introduction of Vermicompost
- Site Selection and physical requirements for Vermicompost unit
- Importance of Vermicompost
- Steps of vermicomposting and methodology
- Different Species of Vermicompost
- Earthworm and its role
- Characteristics of good quality Vermicompost
- Vermicomposting: Problems and Solutions

2. Solar pump installed: AF installed one solar pump for irrigation purpose in 2.8-acre land of gaushala. Other materials also provided: vermibed, TMT bar frame, worms, water cane.



Community Infrastructure Development

Community Infrastructure Development

1. **Luvara village pond work** - strengthening of the pond – Edge repair and opening of outlet started on 5th July 2021 and completed in October 2021.

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

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

Luvara Gram Panchayat and villagers expressed their gratitude towards Adani Foundation as their long-awaited pond work get completed.



Pre-condition of Luvara Pond



After strengthening work of Luvara pond

Toilet block in Govt. High School, Lakhigam:

In High School premises there were 2 toilets for girls and 2 for boys. Teachers were using the same toilets. As per High School's strength 162 (girls: 82 and boys: 80) no. of toilets were not sufficient. On request of High School, Adani Foundation constructed 2 toilet blocks for girls & boys. This toilet block would provide better sanitation facility to students and teachers.



Construction of classrooms at Primary School, Jageshwar

In Primary School, Jageshwar 2 new classrooms' construction is going on. At present, there are 8 classrooms for 175 students (Girls: 98 and boys: 77). Out of these 8 rooms 2 rooms are being used as computer lab and science lab. Students of standard 1 & 2 are sitting in a congested space. These classrooms are constructed for these students. Work is going on.



Construction of Library at Thava School, Netrang

Under tribal area development Adani Foundation is supporting Eklavya Sadhana School Thava (Netrang), Bharuch since 2019. Within 2 years' intervention athletics ground development work and installation of solar panel (Off-grid system with 2 hours' battery back-up) were completed.

Adani Foundation received a request from Thava school to construct a library in their school premises for students of the area.

At present, school's strength is 997 out of which 503 are boys and 494 are girls. All students come from nearby villages like Mandala, Kakadkui, Khajlidabad, Bharada, Nana Madala and Beda.



Pond Development Work, Lakhigam:

Adani Foundation and Gram Panchayat, Lakhigam are constructing retention wall of 500 m of a pond of Ahir Falia, Lakhigam. 140 m retention wall is being developed by AF whereas remaining 360 m and beautification work are under the scope of Gram Panchayat, Lakhigam. Work is in progress.



Direct Benefit	Direct Beneficiaries	Indirect Beneficiaries
1. Pond development, Lakhigam: Increase in storage capacity of pond	1000	4938
2. Pond Development work, Luvara: 383 animals of 54 families use this pond	220	1663
3. Classroom construction, Jageshwar: creating adequate infrastructure for education	320	
4. Construction of Toilet block, Lakhigam High School: Access to better sanitation facility	180	
5. Construction of library at Thava School, Netrang	6000	
TOTAL	7720	6601

EMPLOYEE VOLUNTEERING PROGRAM

Adani Foundation initiated Employee Volunteering Programme to provide better voluntary service of employees to the community at large.

Support to Divyang:

Exhibition by KALRAV, Bharuch at Dahej Port: Under inclusiveness policy of the group Adani Foundation & Adani Dahej Port organized an exhibition of decorative gift items made by Divyang of Kalrav School, Bharuch on 22nd October 2021 at Dahej port. Kalrav sold gift items of Rs.10000/- Sh. Jagdish Patel Sir took the leadership for this noble cause and encouraged employees to organize such exhibitions in their



OTHER ACTIVITIES

Emp

:

2. Port employees

BLOOD DONATION CAMP: Adani Power Private Limited (APPL) and Adani Petronet Dahej Port Private Limited every year arrange Blood Donation Camp with support of Red Cross Society, Bharuch. APPL mobilized 74 youths for blood donation. The camp was organized in APPL campus, Suva. All youths received certificate, token with logo of Adani Foundation.

Coordination with Govt. Departments

Meetings with Govt. Departments

AF got the opportunity to present CSR projects and achievements in presence of Hon. Collector, DDO, District level officers of Health, Education, Agriculture, Livelihood and 151 companies' representatives of SEZ, Dahej, GIDC Jhagadia, GIDC Ankleshwar.

AF participated in District Level Coordination Committee meetings of Primary Education and Livelihood.

Primary Education Meeting: In the meeting DDO, DPEO, Dy. DPEO, BRCs and organizations Adani Foundation, Naandi Foundation & Pratham were present.

- ✓ Adani foundation shared the baseline experiences of 8 schools and way forward for remaining baseline assessment.
- ✓ The meeting provide a stage to share success inputs in "Nipun Bharat Program".
- ✓ DDO appreciated Project Utthan's objectives & requested AF to cover more schools of Vagra Block

Livelihood Meeting: Meeting was chaired by Mr. Yogesh Chaudhary, DDO, Bharuch. DRDA Director, District Livelihood Manager, Bank Manager & representatives of Birla Copper, Dipak Foundation, Care India, GNFC & Atapi were present. AF shared their 3 SHGs achievements & vision of business model. DDO Mr. Chaudhary requested to form SHGs as per NRLM guidelines and avail benefits of Govt. schemes. He also announced 2 upcoming business opportunity for SHGs

- On the eve of Uttarayan festival SHGs can sell their products in Haat Bazaar from 10th to 13th January 2022. SHGs must pay rent of Rs.4000/- DRDA will do their stay & food arrangement
- SHGs can get shop in Zadeshwar, Bharuch on a token amount of Rs.10 per day

Achievements

- 58 beneficiaries of 6 villages applied under 71 Govt. schemes of Animal husbandry, agriculture, and others. 31 beneficiaries are availing the benefits.
- 57 years old Premiben Lakshmanbhai Gohil of Lakhigam village got a tricycle under Sadhan Sahay Yojna of Social Defense Department. Premiben lost her right leg at the age of 17. She underwent leg operation 3 times. Earlier she was using Jaipur foot but didn't feel comfortable.

Events

Women's Day Celebration

International Women's Day celebrated with village women & Utthan Sahayak. Women cricket teams of 3 villages Lakhigam, Luvara & Jageshwar and a team of Utthan Sahayak played matches with zeal n enthusiasm. These teams had women of age group 18 years to 50 years. Jageshwar women lifted winner trophy whereas Luvara women were the runner up.

Score: Luvara women 30 runs in 5 overs

Jageshwar women: 31 runs in 5 overs



Gender Workshop on # Break the Bias

2 workshops with High School students were organized on the eve of Women's Day. Objective of workshop discussion on gender equality, equal respect, break the bias (Belief).

- ✓ 250 students of 2 High Schools of project area: Govt High School, Lakhigam and P.J.Chheda High School, Dahej participated in the workshops.
- ✓ Resource person Mr. Vaibhav Parikh interacted with students and teachers on gender issues. Students: girls and boys shared society's roles and views along with their experiences of gender bias.

School Principals appreciated AF for organizing such valuable workshops with young people of the society



Lakhigam Cricket Tournament

Adani Foundation sponsored Lakhigam Premier League concluded on 12th March 2022 in presence of enthusiastic crowd of Lakhigam, Panchayat members and Adani Dahej Port officials. In final Shivam 11 defeated Bapa Sitaram by 38 runs & they won the trophy 6th time consecutive in a row. Winner team received the trophy by the hands of Sh.Jagdish Patel Sir, COO, APDPPL whereas Deputy Sarpanch Mr. Satishbhai Gohil gave the trophy to runner up team. Players were also given gifts to appreciate their efforts.

Shivam 11 set a target of 105 runs in 10 overs, but Bapa Sitaram made only 67 runs. Mr.Piyush Gohil of Shivam 11 adjudged as best bowler, best batsman n man of the series.

This tournament was started on 1st January 2022 with participation of 30 teams.



SUCCESS STORY

Project Utthan: Remodeling the Learning Environment

Adani Foundation's Project Utthan launched on 29th September 2021 in 14 schools of Vagra taluka of Bharuch District with more than 3085 students. Objective is to improve the learning level of the progressive learners (Priya Vidyarthi) and their mainstreaming. This project is focused on progressive learners and their quality of learning, mothers' engagement is playing a vital role to bring the social changes, children learning aspects, school development and increase the children attendance in the school.

To achieve the desired outcome of the project Utthan Sahayak (teachers) are appointed, mostly from the project villages. They play a significant role to engage the students in the classroom and maintained the school attendance through use of different strategies as need base staff approach and support, identify the progressive learners through baseline study, introducing English as third language in class 1 to 4th, do home visits and mothers' meet.

8 Govt. schools of 6 villages: Jageshwar, Suva, Jolva, Dahej, Vengani, Rahiyad and Kaladara are covered in baseline study. Total 984 students of Class 3 to 6 are covered under this study. Out of 984 students 444 students observed as progressive learners. It means that almost 46% children are not able to read, write and not able to do basic numeracy. To improve their learning activities, Utthan teachers are playing a significant role to deal with such students by creating safe atmosphere, building positive relationship, making the classrooms joyful. The teachers meet with the children's parents and counselling them on children's progress in learning and regularity in the class and importance of education.



Faliya learning class is initiated with objective of making the children regularity, filling gap of learning process, and child can feel positive energy after long vacation when he/she goes to school at very first day. Other hand this such activity builds strong rapport with students and teachers. **By Faliya learning activity we have reached to 1596 students** in less than four months. Among these 502 students are progressive learners whereas 1094 are regular one. Utthan Sahayak are doing home visits also. Till date they visited 375 households. Mother's meets are also conducted with purpose of creating

awareness on importance of education and regularity of children at school. There is total 50 nos. of mothers' meetings are held so far.

Utthan Sahayak are engaging progressive learners in drawing, music, dance, and other co-curricular activities. These activities encourage them to open up and enjoy the school. **In a short period 60 progressive learners of Govt. Primary School, Jolva, Lakhigam and Dahej Kanya have joined the mainstream. Now they can read and write Gujarati.**

This learning journey is continued.....

Amul Parlour: a journey towards entrepreneurship

Efforts to empower women in society can bring a radical change. Sadhdada Mahila Sakhi Mandal, Lakhigam of SEZ Dahej is an excellent example of entrepreneurship. With proper guidance and adequate support, now these women have become entrepreneur. At one time, women living in just four walls of the house are doing business in millions through their Amul Parlour. Started on 12th July 2021 this Amul Parlour's turnover reached to Rs.20.48 lacs at the end of February 2022.

Sakhi Mandal's journey of entrepreneurship was a challenging one. Engaging rural women in a business was next to impossible but Adani Foundation's continuous efforts and hand holding support brought a good result. These 11 members group's journey started in December 2019 - nos. of meetings were held for gr. formation & finally it formed in February 2020. Then it is registered under Livelihood Mission. Members attended trainings - offline & online and went on an exposure visit.

The women were trained by the Entrepreneurship Development Institute, Ahmedabad (online training) as well as by District Livelihood Mission, Bharuch to adapt the industrial environment. From Sales and Marketing to Accounting and Logistics lessons were taught. After a series of trainings, they became confident. However, they were still at a loss as to which business to pursue, so they turned to the Adani Foundation for guidance and help.

AF team suggested to venture into the business of Amul Parlour based on the capacity and research of Sakhi Mandal. Since there was no parlour in 15 kilometers range to meet the daily requirement of milk, this business had a strong potential of earning. Unaware of the legal hurdles, Sakhi Mandal's women were given handholding support on how to manage everything from registration and food licenses to boost their morale. They got a financial assistance of Rs. 3.5 Lakhs in form of portable cabin, 2 deep freezers and 1 vertical fridge, furniture. Sakhi Mandal's initial investment was of Rs.75000/-

It has been shown that women can excel not only in housework but also in business. Many of the women around have also been inspired to become entrepreneur. Adani Foundation has an approach of uplifting women in the society and their journey is continued.

Sadhdada Sakhi Mandal is all set to open their next business of snacks.



MEDIA COVERAGE

છે. આ સુચના, મારા માટે યોગ્ય મૂલ્યવાન છે. મેં આને સંસ્કૃતિ મંત્રાલયને અર્પણ કર્યું છે. મને ખુશી છે કે મંત્રાલયે આટલા ઓછા સમયમાં આ સુચનોને મોટી ગંભીરતાથી લીધું અને તેની પર કામ પાડ્યું. આમાંથી જ નેક ટેકા ૨૭.૧૦.૨૧

અદાણી ફાઉન્ડેશન - દહેજ દ્વારા ઉત્થાન પ્રોજેક્ટ શરૂ કરાયો
પ્રાથમિક શિક્ષણમાં નબળા વિદ્યાર્થીઓ ઉપર ધ્યાન આપવા વાગરા તાલુકાની કુલ ૧૪ શાળાઓમાં ઉત્થાન પ્રોજેક્ટની શરૂઆત કરવામાં આવશે



અદાણી ફાઉન્ડેશન-દહેજ દ્વારા પ્રાથમિક શિક્ષણમાં નબળા વિદ્યાર્થીઓ, જેને ઉત્થાન પ્રોજેક્ટમાં “પ્રિય વિદ્યાર્થી” તરીકે સંબોધવામાં આવે છે, તેના ઉપર ધ્યાન આપવા વાગરા તાલુકાના ૧૨ ગામોની ની કુલ ૧૪ પ્રાથમિક શાળાઓમાં ઉત્થાન પ્રોજેક્ટની શરૂઆત કરવામાં આવી રહી છે. આ પ્રોજેક્ટનો શુભારંભ તાજેતરમાં જ લખીગામ પ્રાથમિક શાળામાં યોજાઈને કાર્યક્રમમાં લુવારા, જાગેશ્વર, સુવા, જોલવા, રહીયાદ, દહેજ કુમાર અને કન્યા શાળા તેમજ અટાલી આશ્રમ શાળાના આચાર્યશ્રીઓ, સી.આર.સી કોર્ડિનેટર તેમજ શિક્ષકગણ ઉપસ્થિત રહ્યા હતા. અદાણી દહેજ પોર્ટના વડા શ્રી જગદીશ પટેલ તેમજ અદાણી ફાઉન્ડેશન - દહેજના યુનિટ હેડ ઉમા મિશ્રા, અદાણી ફાઉન્ડેશન વતી વિવિધ જિલ્લાઓમાં ચાલતા આ ઉત્થાન પ્રોજેક્ટના કોર્ડિનેટર જતિન ઉપાધ્યાય તેમજ અદાણી ફાઉન્ડેશન-દહેજની ટીમ અને વિદ્યાર્થીઓ હાજર રહ્યા હતા. આ કાર્યક્રમમાં જતિનભાઈ દ્વારા પ્રોજેક્ટ અંગે પ્રેઝન્ટેશન આપવામાં આવ્યું હતું. અદાણી પોર્ટના વડા શ્રી જગદીશ પટેલ દ્વારા પ્રોજેક્ટની સફળતા માટે શુભેચ્છા અપાય હતી. ભરૂચ જિલ્લાના વાગરા તાલુકામાં આવેલ ૧૪ જેટલી પ્રાથમિક શાળામાં જે વિદ્યાર્થીઓ અભ્યાસમાં નબળા છે તેના ઉપર વિશેષ ધ્યાન આપી તેવા પ્રિય વિદ્યાર્થીને મુખ્ય પ્રવાહમાં લાવવાના હેતુથી આ ઉત્થાન પ્રોજેક્ટ શરૂ કરવામાં આવેલ છે. આ ઉપરાંત આ પ્રોજેક્ટ અંતર્ગત શાળાઓને લાઈબ્રેરી માટે પુસ્તકો, રમત-ગમત તેમજ ઈતર પ્રવૃત્તિ માટે સાધનો, સ્માર્ટ ક્લાસરૂમ પ્રારંભ પાડવા જેવી પ્રવૃત્તિને પણ આવરી લેવામાં આવશે. આ પ્રોજેક્ટથી પ્રત્યક્ષ તેમજ પરોક્ષ રીતે ૨૮૦૦ જેટલા વિદ્યાર્થીઓને લાભ મળશે. અદાણી ફાઉન્ડેશન દ્વારા ઉત્થાન પ્રોજેક્ટ હેઠળ દરેક ૧૪ શાળામાં ઉત્થાન સહાયકની નિમણૂક કરવામાં આવશે. ઉત્થાન સહાયક પ્રિય વિદ્યાર્થીઓ ઉપર વિશેષ ધ્યાન આપી તેમની વાંચન-ગણન-લેખનની આવડત વધારવા કામગીરી કરશે. અદાણી ફાઉન્ડેશન દ્વારા આ પ્રકારનો ઉત્થાન પ્રોજેક્ટ ગુજરાતના કચ્છ તેમજ સુરત જિલ્લામાં ચલાવવામાં આવી રહેલ છે જેના ઘણા હકારાત્મક પરિણામ મળેલ છે. અદાણી ફાઉન્ડેશન જ્યાં જ્યાં અદાણી ઉધોગ સમુહ આવેલ છે તે વિસ્તારમાં શિક્ષણ, આરોગ્ય, સર્વિશી વિકાસ તેમજ ગ્રામ્ય માળખાકીય સુવિધાઓના વેરમાં કાર્યરત છે.

દહેજ અદાણી ફાઉન્ડેશન દ્વારા પ્રાથમિક શિક્ષણમાં નબળા બાળકો માટે ઉત્થાન પ્રોજેક્ટ શરૂ કરાયો

(પ્રતિનિધિ) વાગરા, તા. ૨૫

દહેજ અદાણી ફાઉન્ડેશન દ્વારા પ્રાથમિક શિક્ષણમાં નબળા છાત્રો માટે ઉત્થાન પ્રોજેક્ટ હાથ ધરવામાં આવશે. વાગરા તાલુકાના ૧૨ ગામોની ૧૪ પ્રાથમિક શાળાઓને ઉત્થાન પ્રોજેક્ટ હેઠળ આવરી લઈ કામગીરી હાથ ધરવામાં આવશે. દહેજ અદાણી ફાઉન્ડેશન દ્વારા પ્રાથમિક શિક્ષણમાં નબળા વિદ્યાર્થીઓ, જેને ઉત્થાન પ્રોજેક્ટમાં પ્રિય વિદ્યાર્થી તરીકે સંબોધવામાં આવે છે, તેના ઉપર વિશેષ ધ્યાન આપવા વાગરા તાલુકાના ૧૨ ગામોની કુલ ૧૪ પ્રાથમિક શાળાઓમાં ઉત્થાન પ્રોજેક્ટની શરૂઆત કરવામાં આવી રહી છે. આ પ્રોજેક્ટનો શુભારંભ તાજેતરમાં જ લખીગામ પ્રાથમિક શાળામાં યોજાઈને કાર્યક્રમ થી કરવામાં આવ્યો હતો. આ કાર્યક્રમમાં લુવારા, જાગેશ્વર, સુવા, જોલવા, રહીયાદ, દહેજ કુમાર અને કન્યા શાળા તેમજ અટાલી આશ્રમ શાળાના આચાર્યશ્રીઓ, સી.આર.સી કોર્ડિનેટર તેમજ શિક્ષકગણ ઉપસ્થિત રહ્યા હતા. અદાણી દહેજ પોર્ટના વડા જગદીશ પટેલ તેમજ અદાણી ફાઉન્ડેશન દહેજના યુનિટ હેડ ઉમા મિશ્રા, અદાણી ફાઉન્ડેશન વતી વિવિધ જિલ્લાઓમાં ચાલતા આ ઉત્થાન પ્રોજેક્ટના કોર્ડિનેટર જતિન ઉપાધ્યાય તેમજ અદાણી ફાઉન્ડેશન-દહેજની ટીમ અને વિદ્યાર્થીઓ હાજર રહ્યા હતા. આ કાર્યક્રમમાં જતિનભાઈ દ્વારા પ્રોજેક્ટ અંગે પ્રેઝન્ટેશન આપવામાં આવ્યું હતું. અદાણી પોર્ટના વડા જગદીશ પટેલ દ્વારા પ્રોજેક્ટની સફળતા માટે શુભેચ્છા અપાય હતી. ભરૂચ જિલ્લાના વાગરા તાલુકામાં આવેલ ૧૪ જેટલી પ્રાથમિક શાળામાં જે વિદ્યાર્થીઓ અભ્યાસમાં નબળા છે તેના ઉપર વિશેષ ધ્યાન આપી તેવા પ્રિય વિદ્યાર્થીને મુખ્ય પ્રવાહમાં લાવવાના હેતુથી આ ઉત્થાન પ્રોજેક્ટ શરૂ કરવામાં આવેલ છે. આ ઉપરાંત આ પ્રોજેક્ટ અંતર્ગત શાળાઓને લાઈબ્રેરી માટે પુસ્તકો, રમત-ગમત તેમજ ઈતર પ્રવૃત્તિ માટે સાધનો, સ્માર્ટ ક્લાસરૂમ પ્રારંભ પાડવા જેવી પ્રવૃત્તિને પણ આવરી લેવામાં આવશે. આ પ્રોજેક્ટથી પ્રત્યક્ષ તેમજ પરોક્ષ રીતે ૨૮૦૦ જેટલા વિદ્યાર્થીઓને લાભ મળશે. અદાણી ફાઉન્ડેશન દ્વારા ઉત્થાન પ્રોજેક્ટ હેઠળ દરેક ૧૪ શાળામાં ઉત્થાન સહાયકની નિમણૂક કરવામાં આવશે. ઉત્થાન સહાયક પ્રિય વિદ્યાર્થીઓ ઉપર વિશેષ ધ્યાન આપી તેમની વાંચન-ગણન-લેખનની આવડત વધારવા કામગીરી કરશે. અદાણી ફાઉન્ડેશન દ્વારા આ પ્રકારનો ઉત્થાન પ્રોજેક્ટ ગુજરાતના કચ્છ તેમજ સુરત જિલ્લામાં ચલાવવામાં આવી રહેલ છે જેના ઘણા હકારાત્મક પરિણામ મળેલ છે. અદાણી ફાઉન્ડેશન જ્યાં જ્યાં અદાણી ઉધોગ સમુહ આવેલ છે તે વિસ્તારમાં શિક્ષણ, આરોગ્ય, સર્વિશી વિકાસ તેમજ ગ્રામ્ય માળખાકીય સુવિધાઓના વેરમાં કાર્યરત છે.



અદાણી ફાઉન્ડેશન દહેજ દ્વારા ઉત્થાન પ્રોજેક્ટ શરૂ કરવામાં આવ્યું ત્યારની તસવીર. (તસવીર : સૈયદ અમજદ, વાગરા)

આચાર્ય, સી.આર.સી કોર્ડિનેટર તેમજ શિક્ષકગણ ઉપસ્થિત રહ્યા હતા. અદાણી દહેજ પોર્ટના વડા જગદીશ પટેલ તેમજ અદાણી ફાઉન્ડેશન દહેજના યુનિટ હેડ ઉમા મિશ્રા, અદાણી ફાઉન્ડેશન વતી વિવિધ જિલ્લાઓમાં ચાલતા આ ઉત્થાન પ્રોજેક્ટના કોર્ડિનેટર જતિન ઉપાધ્યાય તેમજ અદાણી ફાઉન્ડેશન-દહેજની ટીમ અને વિદ્યાર્થીઓ હાજર રહ્યા હતા. આ કાર્યક્રમમાં જતિનભાઈ દ્વારા પ્રોજેક્ટ અંગે પ્રેઝન્ટેશન આપવામાં આવ્યું હતું. અદાણી પોર્ટના વડા જગદીશ પટેલ દ્વારા પ્રોજેક્ટની સફળતા માટે શુભેચ્છા અપાય હતી. ભરૂચ જિલ્લાના વાગરા તાલુકામાં આવેલ ૧૪ જેટલી પ્રાથમિક શાળામાં જે વિદ્યાર્થીઓ અભ્યાસમાં નબળા છે તેના ઉપર વિશેષ ધ્યાન આપી તેવા પ્રિય વિદ્યાર્થીને મુખ્ય પ્રવાહમાં લાવવાના હેતુથી આ ઉત્થાન પ્રોજેક્ટ શરૂ કરવામાં આવેલ છે. આ ઉપરાંત આ પ્રોજેક્ટ અંતર્ગત શાળાઓને લાઈબ્રેરી માટે પુસ્તકો, રમત-ગમત તેમજ ઈતર પ્રવૃત્તિ માટે સાધનો, સ્માર્ટ ક્લાસરૂમ પ્રારંભ પાડવા જેવી પ્રવૃત્તિને પણ આવરી લેવામાં આવશે. આ પ્રોજેક્ટથી પ્રત્યક્ષ તેમજ પરોક્ષ રીતે ૨૮૦૦ જેટલા વિદ્યાર્થીઓને લાભ મળશે. અદાણી ફાઉન્ડેશન દ્વારા ઉત્થાન પ્રોજેક્ટ હેઠળ દરેક ૧૪ શાળામાં ઉત્થાન સહાયકની નિમણૂક કરવામાં આવશે. ઉત્થાન સહાયક પ્રિય વિદ્યાર્થીઓ ઉપર વિશેષ ધ્યાન આપી તેમની વાંચન-ગણન-લેખનની આવડત વધારવા કામગીરી કરશે. અદાણી ફાઉન્ડેશન દ્વારા આ પ્રકારનો ઉત્થાન પ્રોજેક્ટ ગુજરાતના કચ્છ તેમજ સુરત જિલ્લામાં ચલાવવામાં આવી રહેલ છે જેના ઘણા હકારાત્મક પરિણામ મળેલ છે. અદાણી ફાઉન્ડેશન જ્યાં જ્યાં અદાણી ઉધોગ સમુહ આવેલ છે તે વિસ્તારમાં શિક્ષણ, આરોગ્ય, સર્વિશી વિકાસ તેમજ ગ્રામ્ય માળખાકીય સુવિધાઓના વેરમાં કાર્યરત છે.

અદાણી ફાઉન્ડેશન દહેજ દ્વારા ભરૂચ સિવિલ ખાતે વિશ્વ દિવ્યાંગ દિવસની ઉજવણી કરાઈ

કલરવ સ્કુલ ભરૂચના દિવ્યાંગ છાત્રોને રમત-ગમતના સાધનોની કીટ અર્પણ કરાઈ : સમાજ સુરક્ષા વિભાગ તરફથી લાભાર્થીઓને સાયકલનું વિતરણ કરાયું



ધનકાર પ્રતિનિધિ, વાગરા, તા. ૧૦

ભરૂચ સિવિલ હોસ્પિટલ ખાતે વિશ્વ દિવ્યાંગ દિવસ નિમિત્તે જિલ્લા સમાજ સુરક્ષા વિભાગના નેજા હેઠળ કાર્યક્રમ યોજાયો હતો. અદાણી ફાઉન્ડેશન, દહેજ એકમ દ્વારા વાગરા તાલુકાના વિવિધ ગામોના દિવ્યાંગ લાભાર્થીઓને તેમને સરકારની વિવિધ યોજનાઓનો લાભ મળે તે અંગે માહિતગાર કરી તેમને સહાય મળી રહે તે માટે પ્રયત્નો કરવામાં આવ્યા હતા.

આ કાર્યક્રમમાં ભરૂચ જિલ્લાના આયુ હતું. આ તબક્કે લાભાર્થીઓને

દહેજ અદાણી ફાઉન્ડેશન દ્વારા વિશ્વ દિવ્યાંગ દિવસે કલરવ સ્કુલના દિવ્યાંગ છાત્રોને રમત-ગમતના સાધનોની કીટ અર્પણ

(પ્રતિનિધિ) વાગરા, તા. ૧૦
આ કાર્યક્રમમાં ભરૂચ જિલ્લાના આયુ હતું. આ તબક્કે લાભાર્થીઓને

હિલ્ડી ભરૂચ ભરૂચ-અંકલેશ્વર 24-10-2021

અદાણી ફાઉન્ડેશન દહેજ દ્વારા ઉત્થાન પ્રોજેક્ટ શરૂ

અંકલેશ્વર | અદાણી ફાઉન્ડેશન દહેજ દ્વારા ઉત્થાન પ્રોજેક્ટ શરૂ કર્યો હતો. પ્રાથમિક શાળા માં નબળા વિદ્યાર્થીઓ ઉપર ધ્યાન આપવા વાગરા તાલુકાની ૧૪ શાળામાં પ્રોજેક્ટ ની શરૂઆત કરાઈ હતી. ઉત્થાન પ્રોજેક્ટ ને પ્રિય વિદ્યાર્થી તરીકે પ્રારંભ દહેજ પોર્ટ વડા જગદીશ પટેલ તેમજ દહેજ યુનિટ હેડ ઉમા મિશ્રા દ્વારા શરૂઆત કરાઈ હતી. અદાણી ફાઉન્ડેશન દહેજ દ્વારા પ્રાથમિક શિક્ષણમાં નબળા વિદ્યાર્થીઓને ઉત્થાન પ્રોજેક્ટ માં પ્રિય વિદ્યાર્થી તરીકે સંબોધવામાં આવ્યા હતા. તેના ઉપર ધ્યાન આપવા વાગરા તાલુકાના ૧૨ ગામોની કુલ ૧૪ પ્રાથમિક શાળામાં ઉત્થાન પ્રોજેક્ટ ની શરૂઆત કરવામાં આવી છે.

સમાજ સુરક્ષા વિભાગ તરફથી લાભાર્થીઓને સાયકલનું વિતરણ કરાયું

ધબકાર

વાગરા તાલુકાની ૧૪ પ્રાથમિક શાળાઓમાં રાષ્ટ્રીય બાલિકા દિવસ ઉજવાયો

પ્રથમકાર પ્રતિનિધિ, ભરૂચ તા. ૨૮ ફર વર્ષે તા. ૨૪ જાન્યુઆરીએ દેશભરમાં ઉજવાતા 'રાષ્ટ્રીય બાલિકા દિવસ' અંતર્ગત અદાણી ફાઉન્ડેશન- દહેજ એકમ દ્વારા બાલિકાઓનો ઉત્સાહ વધારવા ઉત્સાહ કાર્યક્રમ અંતર્ગત ઉત્થાન સહાયકો દ્વારા વાગરા તાલુકાની ૧૪ શાળાઓમાં બાલિકા દિનની ઉજવણી કરવામાં આવી હતી. જેમાં દહેજ કન્યા અને કુમાર, લખીગામ, લુવારા, જાગેશ્વર, અંબેડક, જોલવા, રહીયાદ, વેગણી, કોલીયાદ અને કલાદરા પ્રાથમિક શાળાઓનો સમાવેશ થાય છે. 'મારો હોટો' અને 'મારું સપનું' થીમ પર આયોજિત ઉજવણીમાં જોડાયા હતા.

આયોજિત ઉજવણીમાં ૧૪ પ્રાથમિક શાળાઓમાં મહાન ખેલાડીઓ, કલાકારો, રાજકીય તેમજ સામાજિક સેવાના અગ્રણીઓ, વૈજ્ઞાનિકો, સ્વાસ્થ્યકર્મીઓ સેનાનીઓ વિગેરેના માર્ગદર્શન પ્રદર્શિત કરી તેમના યોગદાન અને સહયોગનો સમજ આપી હતી. કાર્યક્રમમાં બાળકોને પોતાના સ્વપ્ન વિશે લેખનસ્પર્ધામાં ઉત્સાહભરે ભાગ લીધો હતો. કોરોનાની ગર્હસ્તરકાળે મુજબ બાળકોને સામાજિક અંતર અને માનક પહેરી ઉજવણીમાં જોડાયા હતા.

અંકલેશ્વરની શાલીમાર હોટલના પાર્ટી વાગરા તાલુકાની ૧૪ પ્રાથમિક શાળાઓમાં રાષ્ટ્રીય બાલિકા દિવસ ઉજવાયો હતો.

ભરૂચ-અંકલેશ્વર 30-01-2022

વાગરાની 14 પ્રા.શાળાઓમાં બાલિકા દિવસ ઉજવાયો 'મારું સપનું' થીમ પર આયોજિત કાર્યક્રમમાં 141 બાળકી જોડાઈ

ભરૂચ

૨૮ વર્ષે તા. ૨૪ જાન્યુઆરીએ દેશભરમાં ઉજવાતા 'રાષ્ટ્રીય બાલિકા દિવસ' અંતર્ગત અદાણી ફાઉન્ડેશન- દહેજ એકમ દ્વારા બાલિકાઓનો ઉત્સાહ વધારવા ઉત્સાહ કાર્યક્રમ અંતર્ગત ઉત્થાન સહાયકો દ્વારા વાગરા તાલુકાની ૧૪ શાળાઓમાં બાલિકા દિનની ઉજવણી કરવામાં આવી હતી. જેમાં દહેજ કન્યા અને કુમાર, લખીગામ, લુવારા, જાગેશ્વર, અંબેડક, જોલવા, રહીયાદ, વેગણી, કોલીયાદ અને કલાદરા પ્રાથમિક શાળાઓનો સમાવેશ થાય છે. 'મારો હોટો' અને 'મારું સપનું' થીમ પર આયોજિત ઉજવણીમાં જોડાયા હતા.

આયોજિત ઉજવણીમાં ૧૪ પ્રાથમિક શાળાઓમાં મહાન ખેલાડીઓ, કલાકારો, રાજકીય તેમજ સામાજિક સેવાના અગ્રણીઓ, વૈજ્ઞાનિકો, સ્વાસ્થ્યકર્મીઓ સેનાનીઓ વિગેરેના માર્ગદર્શન પ્રદર્શિત કરી તેમના યોગદાન અને સહયોગનો સમજ આપી હતી. કાર્યક્રમમાં બાળકોને પોતાના સ્વપ્ન વિશે લેખનસ્પર્ધામાં ઉત્સાહભરે ભાગ લીધો હતો. કોરોનાની ગર્હસ્તરકાળે મુજબ બાળકોને સામાજિક અંતર અને માનક પહેરી ઉજવણીમાં જોડાયા હતા.

મુજસાતસિંઘ આસપાસ ઓપાસ

મુજસાતસિંઘ આસપાસ ઓપાસ

સાચી જાણીતું અને આજનું વિકાસ સાચી આગળ ધપતું ગામ

લખીગામ

લખીગામની મહિલા સશક્તિકરણની અમુલ્ય મિસાલ 'લાખેણું' અમુલ પાર્લર

અમુલ પાર્લરની મુલાકાત લેવા લખીગામની મહિલા સશક્તિકરણની અમુલ્ય મિસાલ 'લાખેણું' અમુલ પાર્લર ખાતે આયોજિત હતી. અમુલ પાર્લરના મુલાકાત લેવા લખીગામની મહિલા સશક્તિકરણની અમુલ્ય મિસાલ 'લાખેણું' અમુલ પાર્લર ખાતે આયોજિત હતી.

જોવંશ અને પશુધન સંવર્ધન પ્રોજેક્ટ યકી પશુપાલનમાં આત્મનિર્ભર બનવાનું સપનું સાકાર કરતા ભરૂચના વાગરા તાલુકાના વેગણી ગામના પશુપાલક

પશુપાલક બળવતસિંહના ઘરે કૃત્રિમ બીજદાનથી દુગણી ગાયોની સંત્યામનો વધારો થતાં દુધ ઉત્પાદનથી યતી નાણાકીય આવકમાં વધારો થયો

પશુધન સંવર્ધન પ્રોજેક્ટ મારા માટે કમઘેલુ સમાન નીવડયો: મારી આવક વધતા ગુવનદોરણ પણ સુધર્યું: પશુપાલક બળવતસિંહ

સુરત: પ્રાંતમાંથી ભારતનું જનનપોરસા જિલ્લા વાગરા ગામના પશુપાલક, સામાજિક સંસ્થાઓ અને ગ્રામજનોના સહયોગથી કૃત્રિમ બીજદાનથી ગાયોની સંત્યામનો વધારો થતાં દુધ ઉત્પાદનથી યતી નાણાકીય આવકમાં વધારો થયો.

Dhabkar, Surat, 4th Mar 2022

અદાણી ફાઉન્ડેશન-દહેજ પ્રેરિત લખીગામની મહિલાઓનો સ્વસહાય જૂથનું સાહસ મહિલા સશક્તિકરણની અમુલ્ય મિસાલ 'લાખેણું' અમુલ પાર્લર

અદાણી ફાઉન્ડેશન-દહેજ પ્રેરિત લખીગામની મહિલાઓનો સ્વસહાય જૂથનું સાહસ મહિલા સશક્તિકરણની અમુલ્ય મિસાલ 'લાખેણું' અમુલ પાર્લર ખાતે આયોજિત હતી.

Sandesh 6.3.22


મહિલા સશક્તિકરણનું આદર્શ ઉદાહરણ અદાણી ફાઉન્ડેશન

દહેજના લખીગામમાં મહિલા સશક્તિકરણનું ઉમદા ઉદાહરણ જોવા મળ્યું છે. તેવામાં મહિલાઓએ અદાણી ફાઉન્ડેશનનો સંપર્ક કર્યો છે. તેથી ફાઉન્ડેશન દ્વારા મહિલાઓને સહાયત પુરી પાડવામાં આવી. અદાણી ફાઉન્ડેશન મહિલાઓને સંગઠન બનાવવા જણાવ્યું. આ સંગઠન બનતા શરૂઆતની મુદ્દી રૂપે ફાઉન્ડેશન રૂ.૩.૫ લાખની આર્થિક મદદ પુરી પાડી લખીગામ પંચકમાં અમુલ પાર્લરના વ્યવસાયની શરૂઆત કરવા સહાય કરી હતી. ત્યારે જુલાઈ-૨૧ માં શરૂ થયેલ આ અમુલ પાર્લર ફેબ્રુઆરી-૨૨ સુધીમાં રૂ.૨૦.૪૮ લાખ સુધીનું ટર્નઓવર કરી ચુક્યું છે.

અમુલ પાર્લરની મુલાકાત લેવા લખીગામની મહિલા સશક્તિકરણની અમુલ્ય મિસાલ 'લાખેણું' અમુલ પાર્લર

અમુલ પાર્લરની મુલાકાત લેવા લખીગામની મહિલા સશક્તિકરણની અમુલ્ય મિસાલ 'લાખેણું' અમુલ પાર્લર ખાતે આયોજિત હતી.

APPRECIATION



પ્રિદેશ પંચાયત શિક્ષણ સમિતિ-ભરૂચ સંચાલિત

પ્રાથમિક કન્યા શાળા-દહેજ

તા. વાગરા, જિ. ભરૂચ

Website: prathampanchayat.com Email: M / prathampanchayat.dahaj@gmail.com

તારીખ :- 29/10/2021

પ્રતિશ્રી,
અદાણી કોલેજ,

વિષય :- શાળામાં BALA painting કરવા બદલ આભાર બાબત...

મહાશય,

સવિનય સહ ઉપરોક્ત વિષયના સંદર્ભમાં આપ સાથેબને જણાવવાનું કે પ્રાથમિક કન્યા શાળા, દહેજમાં કુલ 374 વિદ્યાર્થીનીઓ અભ્યાસ કરે છે. અભ્યાસની સાથે વિદ્યાર્થીનીઓને અભ્યાસ વિષયક માહિતી પ્રાપ્ત થાય તેવા painting શાળાની દીવાલો પર આપશ્રી (અદાણી કોલેજ) દ્વારા કરી આપવામાં આવેલ છે. જે બદલ શાળા પરિવાર આપનો ખૂબ ખૂબ આભાર માને છે. સહકારની અપેક્ષા સહ.....

આભાર સહ

સાદરાતઃ,
મુખ્ય શિક્ષકે, 211
પ્રાથમિક કન્યા શાળા, દહેજ,
તા. વાગરા, જિ. ભરૂચ



MAHADEV
MAHILA SAKHI MANDAL
Products : Vermicompost Manure, Organic Pesticides
At. Luvara, Po. Lakhigam, Ta. Vagra, Dist. Bharuch-392130

Ref. No. :

Date : 20.3.22

શ્રી પુનાર સીધેસરામ રિ.
અમદાવાદ ક્રાઉન્ડરેશન
હાજી

ભાષણ : અમદાવાદ ક્રાઉન્ડરેશન નેચર વી નીચે જણાવેલ
અરોગ્ય ઔષધ અર્થે છે. તે બદલ આશ્રમ પરિય

સેવિકાના આશ્રમ સંસ્થાપકોએ કે આશ્રમ યુગ સફાઈ
મશીન સેપીરેશન અમદાવાદ ક્રાઉન્ડરેશન ની સેવિકા, સુધાર અને
સંકુલની રચના વાગેલ છે. તેમના ઔષધ પ્રમાણ અને વેનિડિમોર
પ્રાપ્ત બનાવવા ની સૂચના કરી છે. નિર્મા આશ્રમ દિવસ
ને માત્ર નીચે પ્રમાણે જાહેરિયાલ આશ્રમ યુગ ને જોડેલ છે
આશ્રમ ૧૨૦૦૫ ની લેડ કોષ્ટકો પણ આપેલ છે

- 1) લેડકોષ્ટકો : 14 નંબર
- 2) રોમ્બો વાલ કેક : 23 નંબર
- 3) વળાકાર : ૭૧ નંબર
- 4) કોર સીમિંગ મશીન : ૭૧ નંબર
- 5) નોટ કેક 10 મી. : ૧૧ નંબર

પુનાર સંસ્થાપકો જાહેરિયાલ આશ્રમ યુગ ને
આપવા બદલ અમદાવાદ ક્રાઉન્ડરેશન ની સુખ જીમ દિવસવાર

અહાદેવ મહિલા સખી મંડળ
લુવારા

પ્રમુખ
અહાદેવ મહિલા સખી મંડળ, લુવારા
અમારો આભાર
કુશળિ આ.

મંત્રી
અહાદેવ મહિલા સખી મંડળ, લુવારા
ગરિયા પાલક

શ્રી વિદ્યુતચર્ચા

અટાલી વિભાગ પ્રગતિ મંડળ
સંચાલિત



આશ્રમ શાળા અટાલી

મુ.પો. અટાલી, તા. વાગરા, જિ. ભરૂચ. મો. ૯૮૭૯૩ ૮૮૧૬૩

તા. ૨૪.૨ - ૨૦૨૨

પ્રાપ્ત

શ્રી. એસ. આર. હેડ
અમદાવાદ ક્રાઉન્ડરેશન,
હાજી.

વિષય - એલ.ઈ.ડી. રીવા, કોંગ્રાસ મળવા બાબત

સેવિકાના ઉપરોક્ત વિષયના અનુસંધાને -
૧. આશ્રમ યુગ ને આશ્રમ આશ્રમ વિભાગ પ્રગતિ મંડળ, અટાલી
સંચાલિત આશ્રમ મળવા અટાલી, તા. વાગરા, જિ. ભરૂચ માં
આશ્રમી કંપની લાકુશ એલ.ઈ.ડી. રીવા, અધિકારી કી. ઉમેડે
એસોસિએટ બી.પી.યુ લેમજ મુ.પો. એસ. ઉબલ મળેલ છે.
લેમજ રોપકલાસ કોફરેટર ઈન્સ્ટોલેશન (કો. ૧ થી ૫)
ઉપરના આપેલ છે.

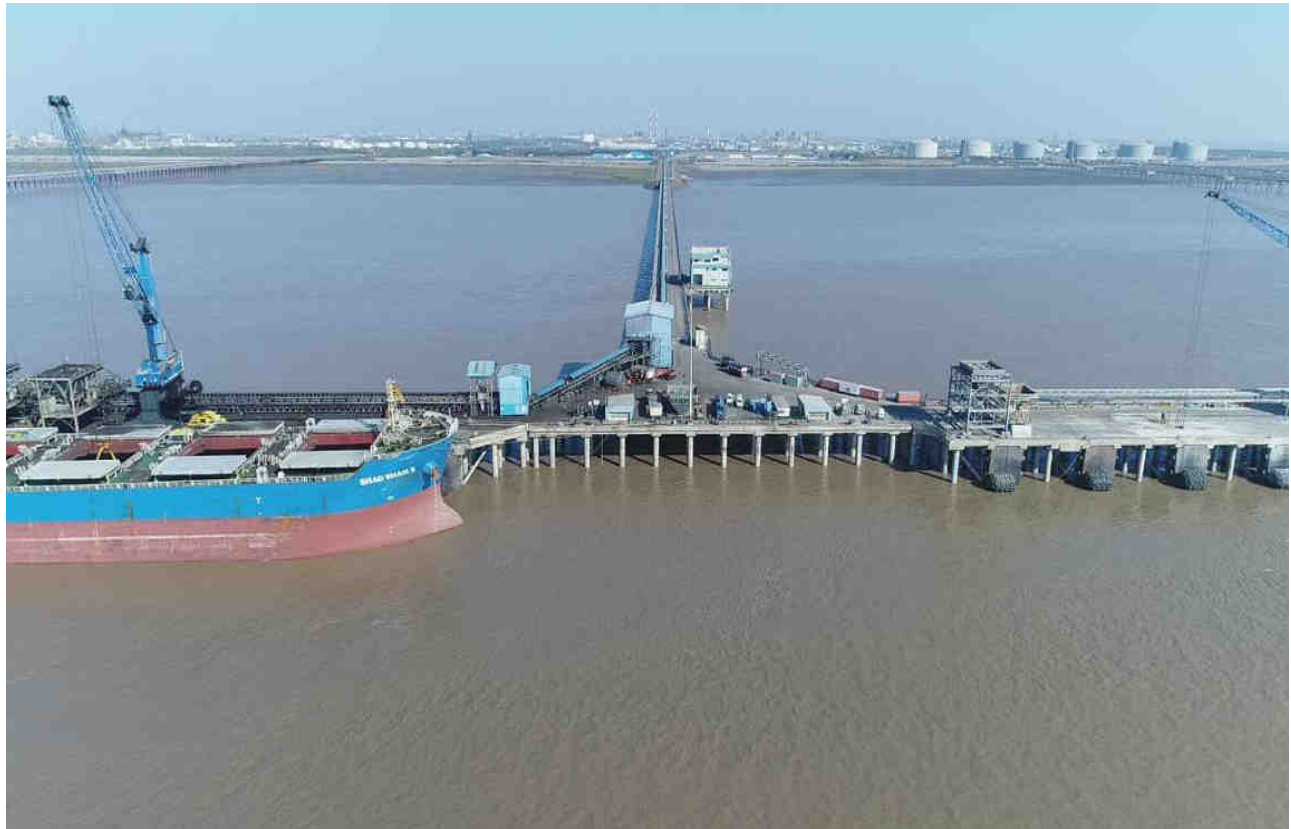
લિ,

આશ્રમ શાળા અટાલી
તા. વાગરા, જિ. ભરૂચ

GLIMPSES OF COO SIR's Visit



BENEFICIARIES FY 2021 -22				
S.N	Description	No. of Beneficiaries	No. of Indirect Beneficiaries	Remarks
I	Education initiatives			
	Project Utthan	3085	14035	14 schools of Project Utthan
	i. Volleyball Tournament for Girls & Boys	42	0	3 teams of 3 High Schools participated
	ii. Volleyball Tournament for Girls & Boys	168	0	12 teams of 12 Primary Schools participated
II	Community Health Initiatives			
	Project Swasthya Apne Hatho Me	3670	14680	A project on awareness, screening & treatment of Lifestyle Diseases
	Vehicle Support in Pulse Polio Campaign	2417	9668	Vehicle provided to CHC, Vagra team for immunization on time
III	Sustainable Livelihood Initiatives			
	Pashudhan Program	2984	32672	Livestock management program
	Project Annapurna	91	0	
	Integrated Model Suva	60	225	Integrated model of agriculture, animal husbandry & skill development
	Skill Development Support	10	250	Skill development training, material support to Shiv Shakti Sakhi Mandal, Jageshwar
	Community Engagement			
	Lakhigam Cricket Tournament	360	0	30 teams participated
	i. Covid support	100	2000	Oxygen concentrators to 5 CHCs of Bhauch district
	iii. Women's Day celebration	298	1192	Sports tournament for women & gender workshop
	SHG Formation/Women Empowerment	33	2185	Training & material support
IV	Community Infrastructure Development	7720	6601	



Sh. Jagdish Patel

Chief Operating Officer, APDPPL

Ms. Usha Mishra

Unit CSR Head, AF

Mr. Yogesh Meghpara

Project Officer, AF

Mr. Sunil Gamit

Project Officer, AF

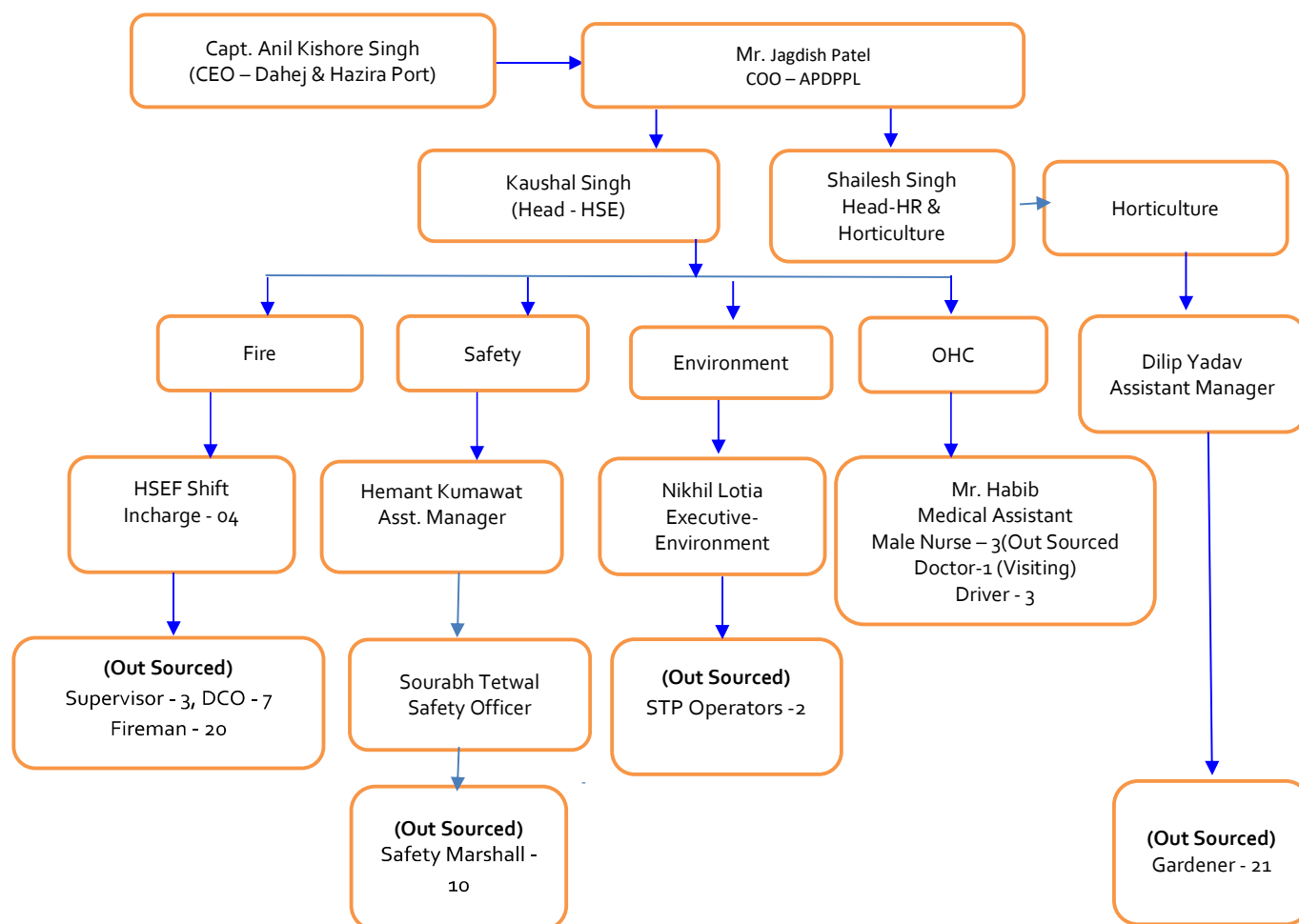
Adani Foundation
7th Floor, Adani Corporate House II
Adani Shantigram Township
Near Vaishnodevi Circle
SG Highway, Ahmedabad
Ahmedabad – 382421 (Gujarat)
www.adanifoundation.org

Adani Petronet (Dahej) Port Pvt. Ltd
PO Lakhigam Taluka: Vagra via Dahej
Bharuch 392130
www.adanifoundation.org

Annexure - 9: Organogram of APDPPL - Environment Management Cell

ADANI PETRONET (DAHEJ) PORT PVT. LTD.

Department: QHSE Management Cell



Details of Environment Cell				
S. No.	Name	Designation	Qualification	Work Experience
1.	Kaushal Singh	Associate Manager -HSE	Dip-Mech, PGDFS, NEBOSH	15 Years
2.	Dilip Yadav	Assistant Manager (Horticulture)	B. Tech Agriculture Science	14 Years
3.	Hemant Kumawat	Asst. Manager	Dip – Mech, Dip. In Fire & Safety, NEBOSH	13 Years
4.	Nikhil Lotia	Executive- (Environment)	B.E. Environment	7 Years