



Ports and
Logistics

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

Date: 27.11.2021

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

Dear Sir,

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

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

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

Thanking you,

Yours Faithfully,

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

(Authorized Signatory)

Copy to:

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

Adani Petronet (Dahej) Port Pvt Ltd
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ADANI PETRONET (DAHEJ) PORT PVT. LTD

From: April, 2021

To : Sept. 2021

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

FOR

DEVELOPMENT OF MULTI CARGO PORT TERMINAL

AT

DAHEJ, DISTRICT: BHARUCH, GUJARAT

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

BY

ADANI PETRONET (DAHEJ) PORT PVT. LTD

VILLAGE: LAKHIGAM, TALUKA: VAGRA,

DISTRICT: BHARUCH, GUJARAT- 392130

**LIST OF APPENDIXES**

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

List of Annexure

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

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

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

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

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

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

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

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

Sr. no.	Conditions	Status/Action taken
		requirement to meet the objectives.
(xi)	The dust from the roads shall be periodically cleaned and dust suppression by water spray be carried out.	<p>Being Complied Regular road cleaning both inside and outside the port premises is a continuous activity carried out by below two methods. The road sweeping by both methods is carried out till 3 Km from the port main gate on the main road leading to Dahej by APDPPL.</p> <p>Road cleaning by sweeping machine: APDPPL, have 02 nos. of large capacity road sweeping machine and one tractor sweeping machine. Truck mounted Industrial Vacuum Cleaning Machines have road cleaning capacity substantially as the storage capacity of the chassis mounted vacuum machine are 04 tone/ hour each which allow rapid collection of spillage, dust and subsequent disposal.</p> <p>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. Regular water sprinkling is carried out by two mobile water tankers.</p>
(xii)	The mangrove plantation of 50 ha shall be under taken in consultation with Gujarat Ecology Commission / State Forest Department.	<p>Complied. Mangrove afforestation has been carried out in an area of 400 ha Phase I & II (200 Ha for both). And additional 50 Ha for Phase –III. Details of the same are given below. .</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 (Done as compliance to Phase –I & II EC &CRZ clearance) 5. 50 ha Devjagan/Nada Ta. Jambusar – 2017 – 18 (Done as compliance to Phase –III EC &CRZ clearance)

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

Sr. no.	Conditions	Status/Action taken			
		<p>Reports of 400 Ha Mangrove afforestation (Developed in Phase I & II Project) were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017</p> <p>The mangrove plantation (Phase –III) of 50 ha has been completed at Village Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise Limited (SAVE). Report of 50 ha Mangrove Plantation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 29/05/2019.</p>			
(xiii)	Cargo shall be unloaded directly into hopper from the ship and transported to the stack yards through closed conveyor system only. Inbuilt dust suppression systems shall be provided at hoppers and all the transfer points / storage yards. Cargo shall not be unloaded directly onto the berth. Water meters shall be provided at different locations to record the consumption of water used for dust suppression and daily log shall be maintained.	<p>Being Complied</p> <ul style="list-style-type: none"> At mechanized berth of APDPPL, cargo is handled through conveyor system. Material handling system is equipped with Dry Fog Dust Suppression System. Coal storage yard is equipped with dust suppression system. After mechanization of south berth, desired pollution control measures shall made as a part of material handling system. 			
(xiv)	Disposal sites for excavated material should be so designed that the revised land use after dumping and changes in the land use pattern do not interfere with the natural drainage	<p>Being Complied</p> <p>All the construction activities are as per the approval received under CRZ notification 2011 and EIA notification 2006. During Project (Phase III) implementation, it will be ensured that there shall not be any interference with the natural drainage of the area.</p>			
(xv)	The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.	<p>Complied.</p> <p>Ground water is not tapped in CRZ area for the project. Water requirement is being met through GIDC water supply.</p>			
(xvi)	Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.	<p>Complied.</p> <p>Sewage generated from port is being treated in designated STP of 80KL/Day Capacity. Treated water is used for horticultural purposes. Quality of treated water confirm to the standard laid down by Gujarat Pollution Control Board.</p> <table border="1"> <tr> <td>Capacity</td><td>Quantity of Wastewater (Avg. from April, 2021 to September, 2021)</td><td>Type of STP</td></tr> </table>	Capacity	Quantity of Wastewater (Avg. from April, 2021 to September, 2021)	Type of STP
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Sr. no.	Conditions	Status/Action taken																																	
		<table><tr><td>80KLD</td><td>18.75KLD</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. Summary of STP treated water analysis results during compliance period from April 2021 to September, 2021 as 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>7.01</td><td>7.78</td><td>6.5- 8.5</td></tr><tr><td>TSS</td><td>mg/L</td><td>15</td><td>28</td><td>30</td></tr><tr><td>BOD(3 Days @ 27 °C</td><td>mg/L</td><td>9.7</td><td>16</td><td>20</td></tr><tr><td>Residual Free Chlorine</td><td>mg/L</td><td>0.6</td><td>0.8</td><td>0.5(Min)</td></tr><tr><td>Oil & Grease</td><td>mg/L</td><td>3.1</td><td>5.8</td><td>-</td></tr></table> <ul style="list-style-type: none">The monitoring results of the treated wastewater from STP for the period from April, 2021 to September, 2021 are enclosed as Annexure –3F.APDPPL regularly submits report to State Pollution Control Board.	80KLD	18.75KLD	MBR	Parameters	Unit	Min	Max	Perm. Limit	PH	-	7.01	7.78	6.5- 8.5	TSS	mg/L	15	28	30	BOD(3 Days @ 27 °C	mg/L	9.7	16	20	Residual Free Chlorine	mg/L	0.6	0.8	0.5(Min)	Oil & Grease	mg/L	3.1	5.8	-
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Oil & Grease	mg/L	3.1	5.8	-																															
(xvii)	All the operational areas will be connected with the network of liquid waste collection corridor comprising of storm water, oily waste and sewage collection pipelines.	Complied. There is no liquid effluent generation during construction and operation of project. Separate storm water drain network have been provided. Domestic effluent is being transported from generation point to STP in close type Gully Men vehicle. Dedicated Hazardous waste storage area has been provided for collection and storage of Hazardous waste.																																	
(xviii)	Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation , mangroves and other marine biodiversity components as part of the management plan.	Complied. Marine ecology is being monitored through NABL accredited & MoEF&CC recognized laboratory M/s Pollucon Laboratories, Surat. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of April, 2021 to September, 2021 are enclosed as Annexure 3C and 3D .																																	
(xix)	The marine ecology management plan being drawn up with regards to the environmental impacts of natural disasters, oil spills and other wastes, dredging and dumping on marine ecology (all micro, macro and mega biotic components) shall be	Being Complied <ul style="list-style-type: none">No waste or dredged material is dumped so as to disturb the marine ecologyMarine ecology is being monitored through NABL accredited & MoEF&CC recognized laboratory M/s Pollucon Laboratories, Surat. Reports show that there are no significant																																	

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

Sr. no.	Conditions	Status/Action taken
	scrupulously implemented. It shall be ensured that the marine ecology in the area of influence is not adversely affected.	changes in the marine ecology indicators. Reports for the period of April, 2021 to September, 2021 are enclosed as Annexure 3C and 3D .
(xx)	Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.	Complied. Marine ecology is being monitored through M/s Pollucon Laboratories, a NABL accredited and MoEF&CC recognised laboratory. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of April, 2021 to September, 2021 are enclosed as Annexure 3C and 3D .
(xxi)	Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.	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. Resubmitted Oil Spill Contingency plan prepared and submitted 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 There is no Oil spill reported during the compliance period of April 2021 to September 2021 Periodic Mock drills are conducted. Latest mock drill was conducted on 29.10.2021.
(xxii)	All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report.	Being Complied All the recommendations and suggestions given by NIO, M/s Chola mandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 4 .
(xxiii)	Ships/barges/vessels shall not be allowed to release any oily bilge waste or ballast water in the sea. Any effluents from the Jetty which have leachable characteristics shall be	Being Complied There is no discharge of oily bilge waste or ballast water in the sea within port limit. APDPPL is not accepting any kind of Hazardous Waste from ships/vessels.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Sr. no.	Conditions	Status/Action taken																									
1	The provisions of the CRZ Notification of 2011 shall be strictly adhered to by M/s APDPPL. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by M/s APDPPL	Complied. <ul style="list-style-type: none">All the construction activities are being carried out as per the provisions of CRZ notification 2011 and EIA notification 2006.No activity or work other than those permitted in Coastal Regulation Zone Notification has been carried out in Coastal Regulation Zone area.																									
2	The APDPPL shall ensure that there shall not be any blockage of creek and free flow of water is maintained	Complied. <ul style="list-style-type: none">APDPPL ensured no creeks are blocked due to project activity.																									
3	The APDPPL shall have to comply with the agreement made by them with GACL regarding re-routing of the pipeline of GACL and M/s APDPPL shall have to borne the cost as per agreement.	Complied. Re-routing of the pipeline of GACL has been completed and all expenditure has been borne by APDPPL.																									
4	The APDPPL shall not construct any storage facilities for material/chemicals in the CRZ area except for those permissible as per Annexure – II of the CRZ Notification -2011. Also for other Hazardous chemical, outside CRZ areas, the APDPPL shall have to consult SDMA for Disaster Management Plan.	Being Complied <ul style="list-style-type: none">APDPPL is handling Multi cargo mainly coal and other bulk cargos at designated storage areas as per approval & CRZ notification 2011.APDPPL has a well-defined DMP, and regular mock drills are being conducted. DMP is also reviewed at regular interval Last Mock drill was conducted on 29.10.2021. Last revision in the DMP was done on 01.05.2020. Disaster Management Plan is submitted to District collector, Mamlatdar (Disaster) and Gujarat Maritime Board, Bharuch, vide letter no. APDPPL/EHS/DMP/Rev-07/2020-21, 123 & 124 dated 20.01. 2021.																									
5	All necessary permission from different Government Departments / agencies shall be obtained by M/s APDPPL before commencing the activities.	Complied <ul style="list-style-type: none">Consent to Establish (CTE) and Consent to Operate (CTO) are obtained from GPCB and renewed/ amendment from time to time as per the progress of the project activity. The present in force CTE/CTO are mentioned below <table><tr><th>S. No.</th><th>Permission</th><th>Project</th><th>Ref. No./Order No.</th><th>Valid till</th></tr><tr><td>1</td><td>CTE</td><td>APDPPL</td><td>GPCB/BRCH/ NOC/2528/80108</td><td>30/03/2011</td></tr><tr><td>2</td><td>CCA</td><td>APDPPL</td><td>AWH-40224</td><td>04/07/2011</td></tr><tr><td>3</td><td>CCA (Amendment)</td><td>APDPPL</td><td>GPCB/BRCH-B-CCA-06/(2)ID-31664/12315</td><td>04/07/2015</td></tr><tr><td>4</td><td>CCA Renewal</td><td>APDPPL</td><td>AWH-73359</td><td>16/07/2020</td></tr></table>	S. No.	Permission	Project	Ref. No./Order No.	Valid till	1	CTE	APDPPL	GPCB/BRCH/ NOC/2528/80108	30/03/2011	2	CCA	APDPPL	AWH-40224	04/07/2011	3	CCA (Amendment)	APDPPL	GPCB/BRCH-B-CCA-06/(2)ID-31664/12315	04/07/2015	4	CCA Renewal	APDPPL	AWH-73359	16/07/2020
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Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III						
Sr. no.	Conditions	Status/Action taken				
		5	CTE	APDPPL Phase-III	CTE Amendments-71696	07/07/2020
		6	CTE (Amendment)	APDPPL-III	CTE Amendments-71696	07/07/2020
		7	CCA Amendment	APDPPL	GPCB/BRCH-BCCA-06(3)ID-31664	16/07/2020
		8	CCA Amendment	APDPPL	GPCB/BRCH-BCCA-06(3)ID-31664	16/07/2020
		9	CCA Amendment	APDPPL	GPCB/BRCH-BCCA-06(3)ID-31664	16/07/2020
		10	CCA Amendment	APDPPL	GPCB/BRCH-BCCA-06(3)ID-31664/566292	16/07/2020
		11	CCA Renewal	APDPPL	GPCB/BRCH-B/CCA-06(7)ID-31664/571845(AWH-109820)	01/11/2020
		12	CTE Validity extend	APDPPL-III	CTE Amendment No. 111311	07/07/2023
		<ul style="list-style-type: none">For storage of HSD approval has been taken from PESO vide letter no P/WC/GJ/14/3668(P221616) and valid up to 31.12.2022 for the Class B Petroleum. A copy of the same was submitted along with the compliance report for the period of April 2020 to September, 2020 and there is no further change.Clarence form MoEF&CC was obtained vide letter dated 14/10/2016 bearing F. No.: 11-37/2007-IA-III				
6	The APDPPL shall ensure that there shall be no damage to the existing mangrove patches near the site and also ensure the free flow of water to avoid damage to the mangrove.	Complied There is no damage to Mangrove due to project activity. Free flow to the mangroves near the jetty approach is maintained.				
7	All the recommendation and suggestions given by Cholamanadalam MS Risk Services Limited, Chennai in their Environment Impact Assessment reports for conservation / protection and betterment of environment shall be implemented strictly by M/s APDPPL.	Being Compiled <ul style="list-style-type: none">All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied.Copy of the status of EMP recommendations is enclosed as Annexure 4.				
8	The construction and operational shall be carried out in such a way that there is no negative impact on mangroves, if any, and other important coastal/ marine habitats. The construction activities shall be carried out only under the guidance	Being Complied <ul style="list-style-type: none">Construction and operation activities are being done in such a way that there is no impact on the mangroves. Free access to the "Pagadiya" fishermen is available. There is no impact on fishermen livelihood due to project activity.Gujarat Maritime Board is regularly monitoring the				

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Status/Action taken
	/ supervision of the reputed institute/ organization.	project progress.
9	The construction debris and/or any other type of waste shall not be disposed of into the sea, creek or in the CRZ areas. The debris shall be removed from the construction site immediately after the construction is over.	Complied <ul style="list-style-type: none"> No debris or other construction waste is being disposed into the sea, creek or in CRZ areas. Reclamation of the area is being done as per the approval received.
10	The construction camps shall be located outside the CRZ area and the construction labour shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labours.	Complied No labour camps are located in Coastal Regulation Zone area. Labours are managed through contractors and they are from surrounding villages and have been provided residential facilities in the surrounding villages.
11	M/s APDPPL shall prepare and regularly update the local oil spill contingency and Disaster Management Plan in consonance with the National Oil Spill and Disaster Contingency plan and shall submit the same to this Department after having it vetted through the Indian Coast Guard.	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. Resubmitted Oil Spill Contingency plan prepared and submitted 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 29.10.2021. Last revision in the DMP was done on 01.05.2020. Disaster Management Plan is submitted to District collector, Mamlatdar (Disaster) and Gujarat Maritime Board, Bharuch, vide letter no. APDPPL/EHS/DMP/Rev-07/2020-21, 123 & 124 dated 20.01. 2021.
12	M/s APDPPL shall bear the cost of the external agency that may be appointed by this Department for	Noted and shall be complied.

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Status/Action taken
	supervision /monitoring of proposed activities and the impact of the proposed activities.	
13	The jetty and most of the approach would be supported on piles allowing adequate flow of water without significant obstruction	Complied. Jetty approach is already operational. No new jetty is proposed under the phase III development except the widening of rubble bund.
14	The ground water shall not be tapped within the CRZ areas by the APDPPL to meet the water requirement in any case.	Complied. Ground water is not tapped in CRZ area for the project. Water requirement is been met through GIDC water supply.
15	M/s APDPPL shall take up massive greenbelt development activities in consultation with Forest Department / GEER Foundation / Gujarat Ecology commission. A comprehensive plan for this purpose has to be submitted to the Forests and Environment Department.	Complying with. Green belt is being developed in an area of 22.68 ha including periphery of the project boundary. Detailed plan of the green belt development plan is enclosed as Annexure - 5 .
16	Mangrove plantation in 50 Ha. Shall be carried out in consultation with the Gujarat Ecology Commission/ Forest Department by M/s APDPPL within a period of two years from the date of issuance of the CRZ clearance by the MoEF&CC, GOI and an action plan in this regard shall be submitted to this Department along with satellite images and GPS readings with Latitudes and Longitudes.	Complied. Mangrove afforestation has been carried out in an area of 400 ha Phase I & II (200 Ha for both). And additional 50 Ha for Phase –III. Details of the same are given below. 5. 100 ha near village Dandi, Dist Surat– 2011 6. 50 ha near village Jakhau, Dist Kutch – 2011 7. 50 ha near Padri bit, Dist Bhavnagar – 2011 8. 200 ha near Malpur, Ta. Jambusar – 2013-14 (Done as compliance to Phase – I & II EC & CRZ clearance) 5. 50 ha Devjagan/Nada Ta. Jambusar – 2017 – 18 (Done as compliance to Phase – III EC & CRZ clearance) Reports of 400 Ha Mangrove afforestation (Developed in Phase I & II Project) were submitted along with half yearly compliance report vide letter no. APPPL-EHS/MoEF RO/EC Comp (I & II) dated 28.11.2017 The mangrove plantation (Phase –III) of 50 ha has been completed at Village Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise

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

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III																																											
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	earmarked for environmental management and socio-economic activities including the green belt /mangrove plantation and details thereof shall be furnished to this department as well as the MoEF&CC, GOI. The details with respect to the expenditure from this budget head shall also be furnished alongwith the compliance report.	Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), and Closed Conveyor System Maintenance etc. The allocation of revenue budget for Environment Cell for the FY 2021-22 was approx. Rs. 374.6lacs. Details of the environmental budget and expenditures for the past 3 years is enclosed as Annexure –6 .																																									
20	A separate Environment Management Cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project	Complied. APDPPL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as Annexure – 7 .																																									
21	Environmental Audit report indicating the changes, if any, with respect to the baseline environment quality in the coastal and marine environment shall be submitted every year by M/s APDPPL to this Department as well as to the MoEF&CC, GOI.	Being Complied The quality of ambient air, treated wastewater from STP, sea water and sediment, ground water and noise levels is being monitored through M/s Pollucon Laboratories, a NABL accredited agency. Ambient Air quality monitoring (twice in a week) and Noise level (once in a month) monitoring are being carried out. Summary of ambient air monitoring during compliance period form April, 2021 to September, 2021 as mentioned below. <table border="1" data-bbox="734 1398 1453 1623"> <thead> <tr> <th>Parameter</th><th>Unit</th><th>Max</th><th>Min</th><th>Perm. Limit</th></tr> </thead> <tbody> <tr> <td>PM¹⁰</td><td>µg/m³</td><td>94.53</td><td>32.56</td><td>100</td></tr> <tr> <td>PM^{2.5}</td><td>µg/m³</td><td>55.33</td><td>12.54</td><td>60</td></tr> <tr> <td>SO₂</td><td>µg/m³</td><td>26.31</td><td>6.31</td><td>80</td></tr> <tr> <td>NO₂</td><td>µg/m³</td><td>43.55</td><td>13.53</td><td>80</td></tr> </tbody> </table> <ul style="list-style-type: none"> The noise level confirm to the standard laid down by Gujarat Pollution Control Board. The noise monitoring results during compliance period form April, 2021 to September, 2021 as mentioned below table. <table border="1" data-bbox="769 1766 1417 1946"> <thead> <tr> <th>Location</th><th>Unit</th><th>Max</th><th>Min</th><th>Limit</th></tr> </thead> <tbody> <tr> <td rowspan="2">Behind QHSE Office</td><td>Day Time dB(A)</td><td>72.7</td><td>44.9</td><td>75</td></tr> <tr> <td>Night Time dB(A)</td><td>61.3</td><td>36.6</td><td>70</td></tr> </tbody> </table> 			Parameter	Unit	Max	Min	Perm. Limit	PM ¹⁰	µg/m ³	94.53	32.56	100	PM ^{2.5}	µg/m ³	55.33	12.54	60	SO ₂	µg/m ³	26.31	6.31	80	NO ₂	µg/m ³	43.55	13.53	80	Location	Unit	Max	Min	Limit	Behind QHSE Office	Day Time dB(A)	72.7	44.9	75	Night Time dB(A)	61.3	36.6	70
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Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III

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

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

Sr. no.	Conditions	Status/Action taken																																		
		Rock bond Approach (Jetty)	Day Time dB(A)	73.2	45.9	75																														
			Night Time dB(A)	66.4	42.2	70																														
		New Gate	Day Time dB(A)	72.8	44.9	75																														
			Night Time dB(A)	69.9	38.3	70																														
		Security Barrier Gate	Day Time dB(A)	70.3	44.8	75																														
			Night Time dB(A)	65.5	36.2	70																														
		JS – 2	Day Time dB(A)	70.3	45.6	75																														
			Night Time dB(A)	61.4	35.5	70																														
		Railway Dead End	Day Time dB(A)	73.2	44.8	75																														
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		Open Storage Yard -1	Day Time dB(A)	73.3	40.1	75																														
			Night Time dB(A)	67.2	34.2	70																														
		Loco shed	Day Time dB(A)	73.5	45.9	75																														
			Night Time dB(A)	61.5	35.6	70																														
		Lakhi Village (below conveyer belt)	Day Time dB(A)	72.2	42.9	75																														
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Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III																															
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		<table><tr><td>Level</td><td></td><td></td><td></td></tr></table>	Level				<ul style="list-style-type: none">Monitoring Reports for the period of April, 2021 to September, 2021 is enclosed as Annexure 3.Report confirms that there is no significant change in the quality in comparison to base line (wherever available)																								
Level																															
22	A six monthly report on compliance of the conditions mentioned in this letter shall have to be furnished by M/s APDPPL on a regular basis to this Department as well as to the Ministry of Environment, Forest and Climate Change, Government of India.	Complying with. <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, status of EMP etc.Last Compliance report including results of monitoring data for the period of October, 2020 to March, 2021 was submitted to MoEF&CC, New Delhi, Regional Office of MoEF&CC, Bhopal, Zonal Office of CPCB, Baroda, GPCB, Gandhinagar and RO Office, GPCB, Bharuch etc. vide letter no APPPL-EHS/MOEF RO/EC Comp (III) dated 24.05.2021 in soft copy via mail dated 24.05.2021Compliance reports along with monitored data are available on company website i.e. www.adaniports.com/ports-downloadsSame is being regularly submitted to concerned authorities.Please refer below for the details regarding past 7 compliance submissions. <table><tr><th>S. No</th><th>Compliance Period</th><th>Date of Submission</th></tr><tr><td>1</td><td>Apr’ 17 to Sep’ 17</td><td>28.11.2017</td></tr><tr><td>2</td><td>Oct’ 17 to Mar’ 18</td><td>28.05.2018</td></tr><tr><td>3</td><td>Apr’ 18 to Sep’ 18</td><td>23.11.2018</td></tr><tr><td>4</td><td>Oct’ 18 to Mar’ 19</td><td>29.05.2019</td></tr><tr><td>5</td><td>Apr’ 19 to Sep’ 19</td><td>20.11.2019</td></tr><tr><td>6</td><td>Oct’ 19 to Mar’ 20</td><td>20.05.2020</td></tr><tr><td>7</td><td>Apr’ 20 to Sep’ 20</td><td>25.11.2020</td></tr><tr><td>8</td><td>Oct’ 20 to Mar’ 21</td><td>24.05.2021</td></tr></table>			S. No	Compliance Period	Date of Submission	1	Apr’ 17 to Sep’ 17	28.11.2017	2	Oct’ 17 to Mar’ 18	28.05.2018	3	Apr’ 18 to Sep’ 18	23.11.2018	4	Oct’ 18 to Mar’ 19	29.05.2019	5	Apr’ 19 to Sep’ 19	20.11.2019	6	Oct’ 19 to Mar’ 20	20.05.2020	7	Apr’ 20 to Sep’ 20	25.11.2020	8	Oct’ 20 to Mar’ 21	24.05.2021
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23	Any other condition that may be stipulated by this Department / Ministry of Environment, Forest and Climate Change, Government of India from time to time for environmental protection / management purpose shall also have to be complied with by M/s APDPPL.	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.																													

Annexure -1

Annexure – 1
Action taken on PH commitments

Status of the action item of public consultation points

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

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

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

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

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

Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2021
		<ul style="list-style-type: none"> No employment is given to land looser of railway yard. Company should give Assurance for employment to land losers. The responsible officers of GIDC should also be required to remain present during Public Hearing. I am unable to understand data shown in 3.1 w.r.t. ambient air quality therefore, I request to explain He pointed out that as per Executive 	<p>where one silo already exists. There is no requirement of new land for this purpose.</p> <ul style="list-style-type: none"> Shri. Amish Trivedi, Representative of the project proponent replied that GIDC has allotted land on ROU basis and land for S&S yard given on lease basis. The Land acquisition is done as per agreement between land owner and GIDC. Company representative Mr. P. N. Roy chowdhury replied that there is no employment policy for land looser of ROU land. Only GIDC can answer on this issue. The project proponent replied that in India, norms of ambient air quality are already decided and parameters like PM₁₀, PM_{2.5}, SO₂NO_x etc are measured to decide the quality of ambient air. These parameters are decided by CPCB. If, these parameters are below the standards then they are acceptable. The results found during the study are within the acceptable limit, during study. The project proponent replied that as 		<p>action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p> <p>No further action required.</p>

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

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

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

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

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

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

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

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

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

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

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

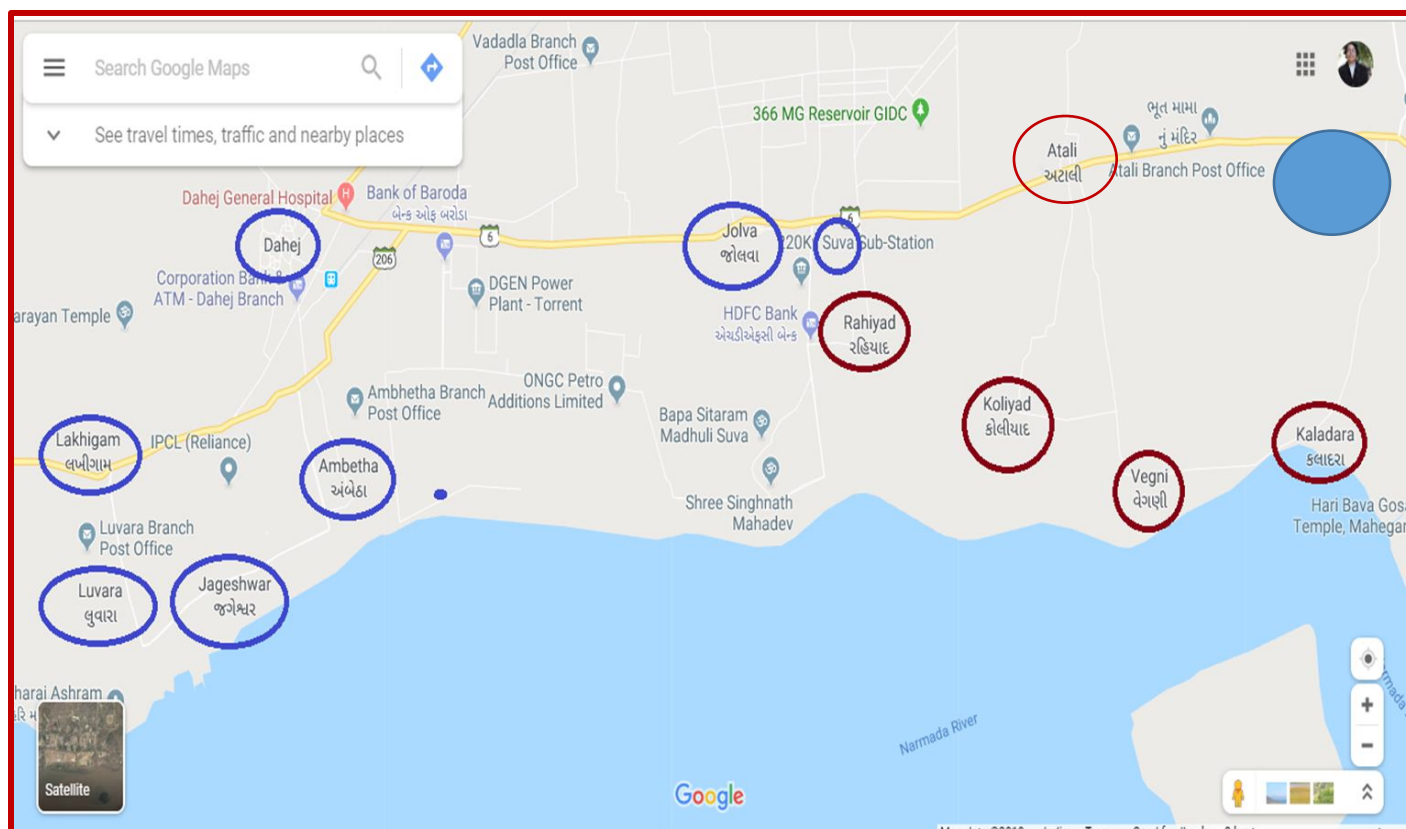
Sr. No.	Name of representative and address	Points Represented during Public Hearing	Answer given by representative of project proponent	Remark	Status of action Item as on 30.09.2021
18	Shri Rakesh Gohil Village: Lahigam	<ul style="list-style-type: none"> Who has prepared the EIA report and who has certified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

Annexure -2



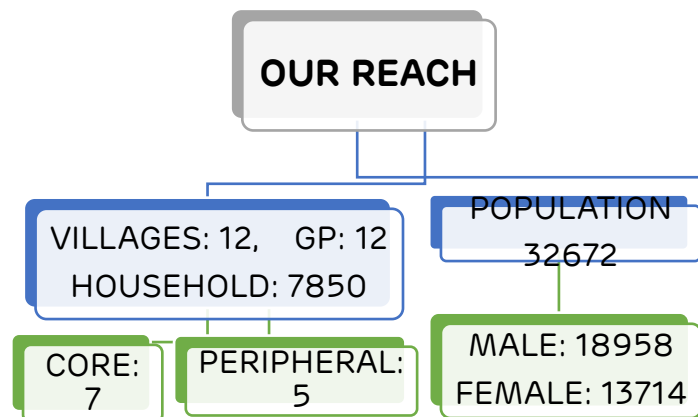
CSR Six Months' Report 2021 -22

ADANI FOUNDATION, DAHEJ



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

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



Thematic Areas

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

SDG Alignment

Sustainable Development Goal 4

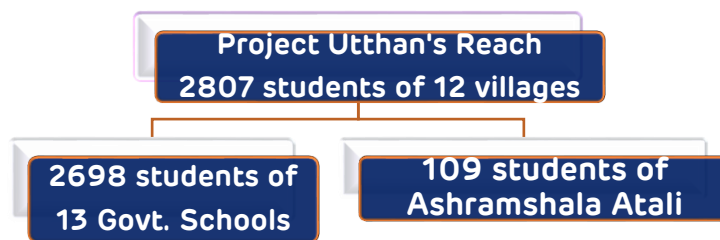
Goal 4. Ensure inclusive and equitable quality education and promote lifelong learning opportunities for all

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

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

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

PROJECT UTTHAN



Utthan Sahayaks' orientation

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

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



Project Swasthya Apne Hatho Me

SDG Alignment

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

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

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

WORLD HEALTH DAY

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

Topics covered:

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

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

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



Visit to Kaka Ba Hospital, Hasot

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

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

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



Menstrual Hygiene Day

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

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

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

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



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

Output: Adolescent girls came to know about menstrual hygiene

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

Sessions were held with pregnant and lactating mothers on

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



SUSTAINABLE LIVELIHOOD DEVELOPMENT
PASHUDHAN PROGRAM

SDG Alignment: 2/1.1, 2.5

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

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

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

1.1. Key highlights

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

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

2. NEEDBASE ALLIED ACTIVITIES

2.1. PROMOTION OF SEX SORTED SEMEN

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

2.1.1. Objectives

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



2.1.2. Achievements

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

2.1.3. Impact

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

2.2. CAPACITY BUILDING

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

Objectives

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



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

2.3. PROMOTION OF MINERAL MIXTURE AS ROUTINE FARM PRACTICES

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

2.3.1. Objectives

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

2.3.2. Achievement

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

2.3.3. Output

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

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

2.4. INFERTILITY AND GENERAL HEALTH CAMP

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

2.4.1. Objectives

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

2.4.2. Achievement

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



2.4.3. Impact

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

2.5. FODDER DEMONSTRATION

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

2.5.1. Objectives

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

2.5.2. Achievement

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

2.5.3. Output

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

Project Annapurna (Agriculture Project)

Meeting with Farmers

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

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

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

Output of the meeting

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

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

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

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

EMPLOYEE VOLUNTEERING PROGRAM

CYCLONE RELIEF WORK

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

Support in COVID relief work

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

Support in COVID Relief work

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

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

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



Community Infrastructure Development

Luvara village pond work started on 5th July 2021.

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

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

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

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



Pre-condition of Luvara Pond



After strengthening work of Luvara pond

SUCCESS STORY

AF' services are valuable

Name of beneficiary: Raj Balvantsinh Amarsinh

Village: Vengani

Age: 63years

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



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

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

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

(પ્રતિનિધિ)

વાગરા, તા. ૨૧

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



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

હતું. આ બીયારણ નવસારી યુનિવર્સિટી દ્વારા ૨૦૧૭માં શંસોધન કરવામાં આવ્યું હતું અને તે માત્ર હાલ માં નવસારી યુનિવર્સિટી પરથી વિતરણ કરવામાં આવે છે. જે બજારમાં ઉપલબ્ધ નથી. આ પ્રકારની જીટી ૧૦૪ તુવેર બીયારણની વેરાયટી ફી માં ડેમો પ્લોટ માટે ખેડૂતોને વિતરણ કરવામાં આવ્યું હતું. કૃષિ વિજ્ઞાન કેન્દ્ર, ચાસવડ દ્વારા આ હાથગ્રીડ વેરાયટી ખેડૂતોને થતા ફાયદા વિશે વિસ્તારથી સમજ પુરી પાડવામાં આવી હતી.

લડત

અદાણી ફાઉન્ડેશન દ્વારા જાગેશ્વર ગામમાં આંતરરાષ્ટ્રિય યોગ દિવસની ઉજવણી



કાર્યક્રમમાં બહેનોએ વિવિધ પ્રકારના યોગાસનો કર્યા જેમાં કુભકાસન, કોણાસન, તાડાસન, પદમાસન, વ્રજાસન, વૃક્ષાસન, દયાનાસન, સુર્ય નમસ્કાર કરવામાં આવ્યા હતા. અદાણી ફાઉન્ડેશન કાર્યક્રમ દ્વારા આરોગ્ય નિરોગી રાખવા, માનસિક સ્વાસ્થ્ય જાળવવા તથા હૃદયરોગ જેવા રોગોને નિયંત્રણમાં રાખવા વિવિધ આસનો અને તેનું મહત્વ બતાવવામાં આવ્યું હતું. સમગ્ર કાર્યક્રમને સફળ બનાવવા ગામના બહેનોનો સારો સાથ-ઉજવવામાં આવ્યો. જેમાં ફાયદા બતાવવામાં આવ્યા. સહકાર મળ્યો હતો.

૨૧ જુન આંતરરાષ્ટ્રીય કુલ-૨૫ કિશોરી અને યોગ દિવસ દહેજ વિસ્તારના બહેનોએ ઉત્સાહપુર્વક ભાગ લીધો અદાણી ફાઉન્ડેશન દ્વારા યોગનું મહત્વ અને મહાદેવ મંદિરના સ્થળે દ્વારા યોગનું મહત્વ અને ઉજવવામાં આવ્યો. જેમાં ફાયદા બતાવવામાં આવ્યા. સહકાર મળ્યો હતો.

નથી? ગાર્ડ-પોસ્ટ માં જગ્યા નથી તો નોટિફિકેશન વિભાગ દ્વારા એકલુઅન્ટ પર્મિટ કેમ રોકવામાં આવતું નથી? ઉદ્યોગો એ પણ આવા સંજોગો માં એકલુઅન્ટ ના ના ગુન્હા બાબતે પ્રકૃતિ સુરક્ષા ડિવિઝન દ્વારા ૧૨ વર્ગ ચોરસ ફીટના પ્લોટમાં બોલાવી ખાડામાં નિકાલ કરતા પકડાયા હતા એવું જ કેહવાય છે વાડ જ એને તાબતે કોર્ટ રીટોસ ચાલ્યાં ગળે છે.

સમાચાર મંચ 11.08.2021

અદાણી ફાઉન્ડેશન, દહેજના સૌજન્યથી સાધદાદા મહીલા સમી મંડળ દ્વારા અમુલ પાલેરનું ઉદ્ઘાટન



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



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

સમાચાર મંચ 11.08.2021

અદાણી ફાઉન્ડેશન, દહેજના સૌજન્યથી સાધદાદા મહીલા સમી મંડળ દ્વારા અમુલ પાલેરનું ઉદ્ઘાટન



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



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

APPRECIATION



Annexure -3



Environment Monitoring Report for the period from April-21 to September-21

3A. AMBIENT AIR QUALITY MONITORING: -

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

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



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

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

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³



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**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	02/04/2021	76.28	35.39	ND*	ND*	ND*	ND*	0.39	ND*	28.56	13.58	19.50	16.29
2	06/04/2021	69.58	32.57	ND*	ND*	ND*	ND*	0.66	ND*	14.58	16.35	28.25	19.32
3	09/04/2021	55.61	28.35	ND*	ND*	ND*	ND*	0.54	ND*	23.22	12.49	30.46	14.21
4	13/04/2021	62.67	26.54	ND*	ND*	ND*	ND*	0.41	ND*	18.64	9.63	22.83	20.21
5	16/04/2021	75.30	43.54	ND*	ND*	ND*	ND*	0.37	ND*	13.68	23.58	35.61	17.5
6	20/04/2021	54.31	36.72	ND*	ND*	ND*	ND*	0.52	ND*	24.56	15.14	25.77	12.63
7	23/04/2021	71.51	39.57	ND*	ND*	ND*	ND*	0.47	ND*	27.67	20.26	29.43	18.67
8	27/04/2021	60.27	24.22	ND*	ND*	ND*	ND*	0.25	ND*	16.45	21.66	32.15	24.21
9	30/04/2021	70.53	31.33	ND*	ND*	ND*	ND*	0.19	ND*	21.42	11.88	24.50	21.32
10	04/05/2021	68.52	27.88	ND*	ND*	ND*	ND*	0.52	ND*	18.58	21.27	31.54	14.69
11	07/05/2021	70.38	38.40	ND*	ND*	ND*	ND*	0.48	ND*	10.45	15.67	21.50	21.62
12	11/05/2021	48.37	23.69	ND*	ND*	ND*	ND*	0.41	ND*	25.31	11.24	18.48	24.29
13	14/05/2021	79.30	34.81	ND*	ND*	ND*	ND*	0.63	ND*	15.47	13.54	25.47	15.49
14	20/05/2021	53.60	20.62	ND*	ND*	ND*	ND*	0.27	ND*	21.22	16.88	32.46	26.31
15	21/05/2021	75.62	43.48	ND*	ND*	ND*	ND*	0.40	ND*	16.34	18.21	29.47	11.21
16	25/05/2021	67.55	25.60	ND*	ND*	ND*	ND*	0.31	ND*	24.27	12.41	23.22	17.29
17	28/05/2021	52.48	29.65	ND*	ND*	ND*	ND*	0.54	ND*	11.53	9.66	19.36	22.56
18	01/06/2021	56.32	25.33	ND*	ND*	ND*	ND*	0.68	ND*	27.83	11.54	18.66	18.27
19	04/06/2021	74.27	45.33	ND*	ND*	ND*	ND*	0.33	ND*	23.80	21.25	38.56	20.64
20	08/06/2021	65.68	39.39	ND*	ND*	ND*	ND*	0.27	ND*	20.64	18.62	35.28	16.46
21	11/06/2021	57.58	35.68	ND*	ND*	ND*	ND*	0.56	ND*	16.39	10.65	27.62	10.31
22	15/06/2021	82.60	40.54	ND*	ND*	ND*	ND*	0.50	ND*	25.65	12.54	26.70	24.28
23	18/06/2021	73.40	37.23	ND*	ND*	ND*	ND*	0.39	ND*	12.51	6.32	14.51	28.44
24	22/06/2021	55.62	26.21	ND*	ND*	ND*	ND*	0.29	ND*	15.34	8.75	19.38	15.32
25	25/06/2021	70.60	36.25	ND*	ND*	ND*	ND*	0.46	ND*	21.23	13.91	30.61	17.31
26	29/06/2021	53.72	27.56	ND*	ND*	ND*	ND*	0.57	ND*	24.27	17.67	25.69	12.39

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

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

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³

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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	02/04/2021	55.36	21.54	ND*	ND*	ND*	ND*	0.61	ND*	15.63	12.86	24.34	11.34
2	06/04/2021	48.36	18.59	ND*	ND*	ND*	ND*	0.60	ND*	12.60	11.26	19.22	15.66
3	09/04/2021	50.38	25.34	ND*	ND*	ND*	ND*	0.48	ND*	19.22	18.56	22.67	20.36
4	13/04/2021	56.31	22.46	ND*	ND*	ND*	ND*	0.21	ND*	10.49	15.32	18.59	10.27
5	16/04/2021	67.52	32.80	ND*	ND*	ND*	ND*	0.40	ND*	20.25	9.91	32.30	25.29
6	20/04/2021	74.24	29.65	ND*	ND*	ND*	ND*	0.46	ND*	11.11	13.22	21.20	14.84
7	23/04/2021	60.60	35.33	ND*	ND*	ND*	ND*	0.32	ND*	14.26	6.53	15.61	12.49
8	27/04/2021	70.25	30.23	ND*	ND*	ND*	ND*	0.42	ND*	22.63	8.54	25.70	16.67
9	30/04/2021	76.51	43.18	ND*	ND*	ND*	ND*	0.36	ND*	18.33	14.51	30.62	18.7
10	04/05/2021	63.22	34.49	ND*	ND*	ND*	ND*	0.22	ND*	24.50	9.57	22.62	21.5
11	07/05/2021	80.32	31.54	ND*	ND*	ND*	ND*	0.57	ND*	21.54	13.31	18.67	12.47
12	11/05/2021	68.50	28.65	ND*	ND*	ND*	ND*	0.39	ND*	28.29	16.22	28.49	10.3
13	14/05/2021	54.60	23.47	ND*	ND*	ND*	ND*	0.16	ND*	14.34	8.68	16.34	19.52
14	20/05/2021	43.50	15.41	ND*	ND*	ND*	ND*	0.26	ND*	10.21	15.24	19.56	15.7
15	21/05/2021	52.37	26.27	ND*	ND*	ND*	ND*	0.18	ND*	13.49	14.61	26.57	17.57
16	25/05/2021	77.31	32.45	ND*	ND*	ND*	ND*	0.49	ND*	17.53	10.61	20.31	11.59
17	28/05/2021	45.65	16.51	ND*	ND*	ND*	ND*	0.53	ND*	15.22	7.57	14.51	18.45
18	01/06/2021	70.24	23.68	ND*	ND*	ND*	ND*	0.47	ND*	21.56	6.41	14.35	19.44
19	04/06/2021	66.34	35.50	ND*	ND*	ND*	ND*	0.16	ND*	17.59	12.34	22.50	10.86
20	08/06/2021	55.60	26.34	ND*	ND*	ND*	ND*	0.21	ND*	10.67	9.57	30.44	13.64
21	11/06/2021	62.46	28.57	ND*	ND*	ND*	ND*	0.32	ND*	13.86	7.60	15.64	17.58
22	15/06/2021	71.53	38.63	ND*	ND*	ND*	ND*	0.34	ND*	22.36	14.52	18.33	21.24
23	18/06/2021	80.20	46.34	ND*	ND*	ND*	ND*	0.30	ND*	15.63	10.61	20.32	16.3
24	22/06/2021	65.33	31.33	ND*	ND*	ND*	ND*	0.17	ND*	19.69	15.73	16.20	12.39
25	25/06/2021	59.33	29.52	ND*	ND*	ND*	ND*	0.13	ND*	11.25	11.58	23.67	11.4
26	29/06/2021	42.52	17.55	ND*	ND*	ND*	ND*	0.48	ND*	14.64	13.68	21.62	15.65

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

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

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³

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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	02/04/2021	65.22	32.49	ND*	ND*	ND*	ND*	0.53	ND*	20.59	7.64	27.33	18.54
2	06/04/2021	55.33	25.44	ND*	ND*	ND*	ND*	0.38	ND*	10.53	9.54	31.27	13.24
3	09/04/2021	61.54	21.26	ND*	ND*	ND*	ND*	0.17	ND*	16.12	23.39	35.38	17.38
4	13/04/2021	42.47	16.48	ND*	ND*	ND*	ND*	0.29	ND*	22.40	16.41	30.25	14.51
5	16/04/2021	51.50	24.15	ND*	ND*	ND*	ND*	0.13	ND*	15.25	14.22	25.42	19.2
6	20/04/2021	62.47	22.69	ND*	ND*	ND*	ND*	0.15	ND*	18.51	12.43	19.67	10.64
7	23/04/2021	78.67	31.58	ND*	ND*	ND*	ND*	0.55	ND*	21.39	8.34	23.49	15.29
8	27/04/2021	53.56	27.53	ND*	ND*	ND*	ND*	0.14	ND*	25.37	15.62	29.22	11.24
9	30/04/2021	66.36	23.43	ND*	ND*	ND*	ND*	0.26	ND*	27.54	17.39	26.59	16.9
10	04/05/2021	52.39	24.51	ND*	ND*	ND*	ND*	0.14	ND*	16.48	12.64	17.49	24.57
11	07/05/2021	64.32	21.63	ND*	ND*	ND*	ND*	0.29	ND*	23.41	6.58	14.70	16.56
12	11/05/2021	59.35	35.60	ND*	ND*	ND*	ND*	0.33	ND*	20.21	14.62	22.56	13.73
13	14/05/2021	71.27	37.83	ND*	ND*	ND*	ND*	0.71	ND*	29.47	20.30	28.36	22.41
14	20/05/2021	48.62	18.42	ND*	ND*	ND*	ND*	0.37	ND*	11.21	18.69	24.36	12.54
15	21/05/2021	67.50	34.38	ND*	ND*	ND*	ND*	0.56	ND*	19.50	10.27	20.29	23.51
16	25/05/2021	56.34	28.33	ND*	ND*	ND*	ND*	0.25	ND*	15.30	7.81	15.54	19.46
17	28/05/2021	68.43	32.59	ND*	ND*	ND*	ND*	0.32	ND*	22.52	13.33	23.54	14.9
18	01/06/2021	50.20	18.66	ND*	ND*	ND*	ND*	0.38	ND*	25.42	10.34	25.30	10.28
19	04/06/2021	57.54	28.39	ND*	ND*	ND*	ND*	0.42	ND*	14.39	8.63	15.31	18.5
20	08/06/2021	48.55	22.25	ND*	ND*	ND*	ND*	0.23	ND*	17.31	11.40	23.44	14.2
21	11/06/2021	52.43	15.32	ND*	ND*	ND*	ND*	0.15	ND*	10.34	15.29	20.48	12.6
22	15/06/2021	46.37	20.51	ND*	ND*	ND*	ND*	0.22	ND*	18.34	17.81	29.37	16.85
23	18/06/2021	60.28	31.80	ND*	ND*	ND*	ND*	0.49	ND*	22.60	7.46	17.21	22.51
24	22/06/2021	49.35	23.39	ND*	ND*	ND*	ND*	0.11	ND*	13.23	13.70	24.35	20.35
25	25/06/2021	78.58	33.57	ND*	ND*	ND*	ND*	0.24	ND*	19.21	6.53	19.68	15.44
26	29/06/2021	47.82	14.22	ND*	ND*	ND*	ND*	0.73	ND*	21.30	9.51	31.43	19.36

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

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

Note:ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5ng/m³, Arsenic as As: 2ng/m³, Nickel as Ni: 5 ng/m³

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**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	02/04/2021	50.29	24.54	ND*	ND*	ND*	ND*	0.16	ND*	23.41	15.19	21.57	14.63
2	06/04/2021	42.65	15.55	ND*	ND*	ND*	ND*	0.30	ND*	16.38	7.20	17.27	23.68
3	09/04/2021	66.31	36.18	ND*	ND*	ND*	ND*	0.27	ND*	13.47	16.18	29.31	19.58
4	13/04/2021	45.34	20.25	ND*	ND*	ND*	ND*	0.24	ND*	17.20	6.69	15.35	18.3
5	16/04/2021	62.55	28.56	ND*	ND*	ND*	ND*	0.18	ND*	10.30	9.28	28.50	21.29
6	20/04/2021	70.26	17.58	ND*	ND*	ND*	ND*	0.36	ND*	21.52	18.24	32.58	11.57
7	23/04/2021	56.27	23.65	ND*	ND*	ND*	ND*	0.58	ND*	24.22	10.19	18.24	17.2
8	27/04/2021	48.57	19.57	ND*	ND*	ND*	ND*	0.50	ND*	19.48	12.75	16.28	12.82
9	30/04/2021	53.58	21.85	ND*	ND*	ND*	ND*	0.31	ND*	14.65	8.76	19.32	15.56
10	04/05/2021	59.30	30.34	ND*	ND*	ND*	ND*	0.36	ND*	12.46	7.49	24.24	16.21
11	07/05/2021	76.55	29.36	ND*	ND*	ND*	ND*	0.21	ND*	18.30	12.40	27.57	19.33
12	11/05/2021	54.31	32.39	ND*	ND*	ND*	ND*	0.17	ND*	14.51	9.77	31.50	15.25
13	14/05/2021	68.60	27.69	ND*	ND*	ND*	ND*	0.44	ND*	21.69	10.52	22.45	10.49
14	20/05/2021	57.64	23.55	ND*	ND*	ND*	ND*	0.24	ND*	16.23	13.63	17.59	20.49
15	21/05/2021	62.31	31.64	ND*	ND*	ND*	ND*	0.19	ND*	11.37	16.49	23.63	21.79
16	25/05/2021	50.23	22.30	ND*	ND*	ND*	ND*	0.23	ND*	20.66	14.78	28.63	14.26
17	28/05/2021	58.34	25.34	ND*	ND*	ND*	ND*	0.38	ND*	13.51	6.72	26.76	11.37
18	01/06/2021	44.66	15.59	ND*	ND*	ND*	ND*	0.25	ND*	13.54	8.49	22.48	13.59
19	04/06/2021	50.26	25.48	ND*	ND*	ND*	ND*	0.18	ND*	21.46	17.40	18.55	16.58
20	08/06/2021	60.65	33.49	ND*	ND*	ND*	ND*	0.44	ND*	15.88	15.59	26.50	20.87
21	11/06/2021	48.65	19.52	ND*	ND*	ND*	ND*	0.19	ND*	20.56	13.44	17.65	15.21
22	15/06/2021	58.69	30.31	ND*	ND*	ND*	ND*	0.37	ND*	14.25	7.39	21.53	22.34
23	18/06/2021	65.60	26.49	ND*	ND*	ND*	ND*	0.26	ND*	19.32	12.36	25.55	18.3
24	22/06/2021	43.59	17.54	ND*	ND*	ND*	ND*	0.14	ND*	23.60	19.47	30.25	11.63
25	25/06/2021	63.69	24.20	ND*	ND*	ND*	ND*	0.41	ND*	16.87	9.24	28.24	21.37
26	29/06/2021	57.52	22.56	ND*	ND*	ND*	ND*	0.54	ND*	12.25	6.53	15.37	14.82

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

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

Note: ND*: Not Detected, Detection Limit, Lead as Pb: $0.1 \mu\text{g}/\text{m}^3$, 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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**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	02/04/2021	71.24	39.28	ND*	ND*	ND*	ND*	0.74	ND*	26.30	17.62	33.53	20.51
2	06/04/2021	62.30	29.41	ND*	ND*	ND*	ND*	0.85	ND*	19.59	13.48	36.23	25.32
3	09/04/2021	80.36	42.61	0.69	ND*	2.02	10.41	0.64	ND*	30.25	20.59	32.49	23.37
4	13/04/2021	50.33	30.30	ND*	ND*	ND*	ND*	0.44	ND*	29.37	12.33	26.38	19.71
5	16/04/2021	84.21	37.81	ND*	ND*	ND*	ND*	0.33	ND*	27.89	16.84	30.52	28.27
6	20/04/2021	79.34	33.49	ND*	ND*	ND*	ND*	0.56	ND*	15.14	21.54	24.44	17.89
7	23/04/2021	83.52	44.58	0.60	ND*	2.36	10.50	0.69	ND*	31.27	14.24	34.60	24.70
8	27/04/2021	72.69	34.26	ND*	ND*	ND*	ND*	0.49	ND*	28.23	18.41	27.24	22.33
9	30/04/2021	81.26	38.26	0.50	ND*	2.24	10.32	0.34	ND*	17.58	15.78	22.43	27.62
10	04/05/2021	73.46	42.67	ND*	ND*	ND*	ND*	0.60	ND*	30.57	13.87	34.21	25.38
11	07/05/2021	85.33	46.59	0.62	ND*	2.34	10.47	0.74	ND*	34.54	22.43	24.58	23.47
12	11/05/2021	76.59	39.40	ND*	ND*	ND*	ND*	0.34	ND*	18.43	7.32	37.25	19.19
13	14/05/2021	84.50	45.33	ND*	ND*	ND*	ND*	0.76	ND*	35.34	18.56	30.22	27.68
14	20/05/2021	63.50	26.67	ND*	ND*	ND*	ND*	0.42	ND*	24.30	24.56	35.52	24.70
15	21/05/2021	82.49	50.42	0.72	ND*	2.26	10.27	0.45	ND*	20.52	19.71	32.36	22.27
16	25/05/2021	72.31	36.54	ND*	ND*	ND*	ND*	0.46	ND*	27.52	16.48	26.32	15.34
17	28/05/2021	62.50	28.42	ND*	ND*	ND*	ND*	0.50	ND*	17.64	20.31	31.35	12.67
18	01/06/2021	62.56	32.49	ND*	ND*	ND*	ND*	0.85	ND*	16.24	15.55	28.64	22.44
19	04/06/2021	80.34	38.28	0.56	ND*	2.24	10.42	0.63	ND*	27.69	10.26	32.36	24.54
20	08/06/2021	73.52	40.22	ND*	ND*	ND*	ND*	0.52	ND*	23.50	13.47	29.53	11.51
21	11/06/2021	67.53	31.67	ND*	ND*	ND*	ND*	0.36	ND*	32.45	19.90	31.28	21.65
22	15/06/2021	77.52	42.61	ND*	ND*	ND*	10.34	0.55	ND*	28.64	21.48	34.60	14.65
23	18/06/2021	85.36	51.23	0.65	ND*	2.34	ND*	0.65	ND*	24.52	9.35	23.33	20.73
24	22/06/2021	60.26	28.64	ND*	ND*	ND*	ND*	0.79	ND*	29.30	11.86	21.28	18.68
25	25/06/2021	86.51	45.66	0.54	ND*	2.18	10.20	0.31	ND*	26.57	16.53	33.58	13.80
26	29/06/2021	63.75	30.50	ND*	ND*	ND*	ND*	0.40	ND*	18.23	14.18	30.31	17.47

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

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

Note: ND*: Not Detected, Detection Limit, Lead as Pb: 0.1 $\mu\text{g}/\text{m}^3$, Carbon Monoxide as CO: 0.1 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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3B. GROUND WATER LEVEL & QUALITY ANALYSIS (PIEZOMETERS) MONITORING: -

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

3B.1 Near Sub Station-7B

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

3B.2 Near QHSE Office

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



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

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

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

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

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

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

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

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

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



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3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

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

Sr. No	PARAMETERS	UNIT	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21
			26/04/2021	21/05/2021	22/06/2021	29/07/2021	11/08/2021	14/09/2021
1	Organic Matter	%	0.49	0.41	0.47	0.458	0.49	0.41
2	Phosphorus as P	µg/g	706	532	639	512	658	613
3	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy
4	Petroleum Hydrocarbon	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Heavy Metals							
5.1	Aluminum as Al	%	4.58	4.39	4.93	4.29	4.81	4.73
5.2	Total Chromium as Cr ⁺³	µg/g	132	105	118	107	129	112
5.3	Manganese as Mn	µg/g	539	516	629	592	538	573
5.4	Iron as Fe	%	4.52	4.42	4.83	4.56	4.63	4.59
5.5	Nickel as Ni	µg/g	63	54	51.2	40.72	45.27	32.98
5.6	Copper as Cu	µg/g	35	25	39.6	29.8	31.8	29.4
5.7	Zinc as Zn	µg/g	130	112	128	112	149	118
5.8	Lead as Pb	µg/g	3.14	3.69	2.17	3.19	2.56	2.28
5.9	Mercury as Hg	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms							
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	-	Polychaetes Bivalves Echinoderms	Annelids Echinoderms Colenterates	Echinoderms Gastropoda	Polychaetes Gastropoda Crustaceans	Coelenterates Molluscs Polychaetes	Molluscs Polychaetes
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Nematodes Copepods	Nematodes	Nematodes	Foraminiferans	Nematodes	Nematodes
6.3	Population	no/m ²	353	265	235	440	324	265

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



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3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

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

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

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



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3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -

Table -Dump Pond Water Quality Analysis Results for the period: April-21 to September-21

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

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



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3F. STP TREATED WATER QUALITY ANALYSIS MONITORING: -

TABLE - STP TREATED WATER QUALITY ANALYSIS RESULTS FOR THE PERIOD: APRIL-21 TO SEPTEMBER-21

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

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



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3G. AMBIENT NOISE LEVEL MONITORING: -

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

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

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

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

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

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



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

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

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

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

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

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



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

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

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

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

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



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

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

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

[#]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 DayTime and Night Time in dB(A)Leq for the period of April-21 to September-21

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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

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

[#]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 WallLoco Shed Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of April-21 to September-21

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

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

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

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



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

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

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

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

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



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

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

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

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

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



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

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


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Annexure -4

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

S. No.	EMP Conditions	Compliance Status
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.
	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. of 80 KLD. 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 MMTA 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. APDPPL has installed wind breaking wall for dust pollution control in the open coal yard. The wind breaker wall is a porous perforated barrier. At the back of the wall, a low-velocity zone is formed. It effectively reduces the average wind speed, thereby prevents dust from moving, and achieves the purpose of dust suppression. The benefits include; <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 stock piles. An amount of 58 crore is spent by APDPPL in erecting and marinating the wind breaking wall around the coal yard. Wind breaker of the same specification will be provided in the additional storage area once completed.
	Road sweeping of dust is being undertaken using mobile van thereby preventing settled dust gets	Complying with.

S. No.	EMP Conditions	Compliance Status
	<p>airborne due to movement of vehicles and high wind velocity and the same is recommended</p> <p>High capacity vacuum cleaning machine installed at mobile truck is deployed for removal of dust settled on roads and the same practices will be implemented in the proposed project.</p>	<p>Road cleaning both inside and outside the port premises is a continuous activity carried out by below two methods. The road sweeping by both methods is carried out till 3 Km from the port main gate on the main road leading to Dahej by APDPPL.</p> <ul style="list-style-type: none"> • 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. As the storage capacity of the chassis mounted vacuum machine are 04 tone/ hour each which allow rapid collection of spillage, dust and subsequent disposal. <p>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.</p>
	Regular wetting of the roads is undertaken through dedicated truck mounted spray arrangement with least water consumption. The same will be implemented in the proposed activities.	<p>Complying with.</p> <p>Sprinkling of water is being done on the roads to control the dust.</p>
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	<p>Shall be complied.</p> <p>Mechanization of the south jetty is yet to be done.</p>
	DG sets installed in open area will be provided with acoustic enclosure	<p>Complying with.</p> <p>DG sets installed in open area are provided with acoustic enclosure</p>
	Compressors and Diesel generators and pump house will be installed in separate building provided with noise absorbing materials on the walls	<p>Complying with.</p> <p>Compressor and DG sets & Pump house are installed in separate building and provided with acoustic enclosures.</p>
	Movement of vehicles within the port will be restricted with speed control measures	<p>Complying with.</p> <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	<p>Complying with.</p> <p>All major diesel engine vehicles and heavy trucks operated inside the port are with silent exhaust.</p>

S. No.	EMP Conditions	Compliance Status
	Planting trees which acts as barrier to arrest dispersion of noise levels along the internal roads and port boundary	Complying with. Green belt is being developed in an area of 22.68 ha including periphery of the project boundary. The green belt has been developed with plantation of native species and species which helps in creating a barrier for coal dust movement.
	Using electricity powered equipment inside the port instead of diesel powered ones will be explored to the extent possible	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 in to the sea. <ul style="list-style-type: none"> • Reclamation of 23 Ha back up area • Coal stock pile development of 7.7 Ha area • Railway siding area 	Complying with. Coal stock pile and Railway siding area are provided with storm water drainage. Reclamation of 4 Ha area is being done. Remaining 19ha area will be developed phase wise, as per the future requirement.
	<ul style="list-style-type: none"> • 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 in to 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 in 2016.
	Solid Waste generated during port operations will be disposed as per Solid Waste (Management & Handling) Rules 2000. Wherever possible the recycle and reuse will be explored for possibilities of recovery of any useful material. Option for recycle/reuse if not economical, then the waste will be disposed as per the SWM Rules, 2000.	
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 22.68 ha including periphery of the project boundary. The green belt has been developed with plantation of native species and species which helps in creating a barrier for coal dust movement.
	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 at group level 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>APDPPL has already established and maintained an Environmental Management Cell (EMC) with Head of Department (EHS), supported by field level executives and horticulturist for implementation of the compliance conditions as per Environmental Clearance obtained and GPCB Consent Conditions. Periodical monitoring activities are being undertaken by MoEF recognized and NABL accredited environmental laboratories. Environmental compliance reports are regularly submitted to MoEF regional office, Vadodara and New Delhi.</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 – 7.</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 environmental clearance conditions. Environmental monitoring program</p>		

S. No.	EMP Conditions	Compliance Status
	will be undertaken by MoEF recognized and NABL accredited environmental laboratories as part of compliance report preparation and its submission to GPCB, MoEF Regional Office, Vadodara and New Delhi.	
2.9	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.	<p>Complied.</p> <p>Separate budget is allocated for Environmental Management activities.</p> <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.

Annexure -5

Annexure-V Green Belt Development Plan (APDPPL)

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

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

Annexure -6

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

A. Opex Environment Expenditure for the last 3 years

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

B. Capex Environment Expenditure for the last 3 years

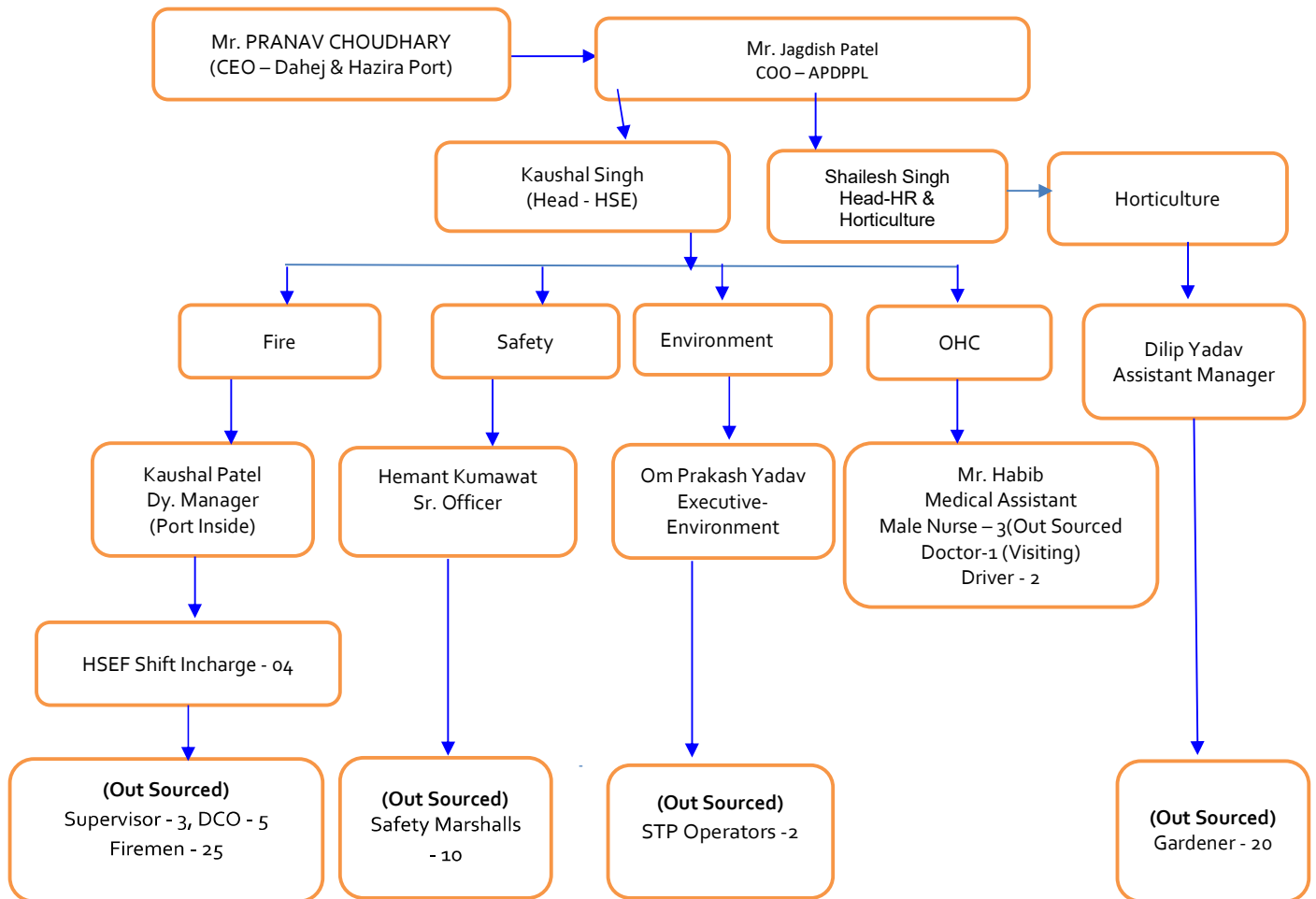
S. NO.	ACTIVITY/ CATEGORY	Cost incurred (IN LAC)				Budgeted Cost (INR IN Lacs)
15	Marine Ecology / Shoreline Monitoring	0.00	10.35	0.00	0.00	0.00
16	STP -50KL(Membrane Biological Reactor(MBR) Technology)- Capex	0.00	20.50	0.00	0.00	0.00
17	Horticulture Development - CAPEX	22.57	8.00	0.00	0.00	0.00
18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

Annexure -7

Annexure - 7: Organogram of APDPPL - Environment Management Cell

ADANI PETRONET (DAHEJ) PORT PVT. LTD.

Department: QHSE Management Cell



Details of Environment Cell				
S. No.	Name	Designation	Qualification	Work Experience
1.	Kaushal Singh	Dy. Manager -HSE	Dip-Mech, PGDFS, NEBOSH	14.6 Years
2.	Dilip Yadav	Assistant Manager (Horticulture)	B. Tech Agriculture Science	13 Years
3.	Kaushal Patel	Dy. Manager (Fire)	B.Sc. Fire, Post Diploma In Environment Technology (PDIEMT)	16.6 Years
4.	Hemant Kumawat	Sr. Officer (Safety)	Dip – Mech, Dip. In Fire & Safety, NEBOSH	12 Years
5.	Om Prakash Yadav	Executive- (Environment)	M.Sc. Environment Science	8.oYears