

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

Date: 25/05/2018

To

✓ The Additional Principal Chief Conservator of Forests (C),
Western Regional Office,
Ministry of Environment, Forest & Climate Change
E-5, Arera colony, Link Road-3,
Ravishankar Nagar, Bhopal-462016 (M.P.)
Email: rowz.bpl-mef@nic.in

Dear Sir,

Sub.:- Six Monthly Compliance Report of Environment and CRZ Clearance for the period from
October 2017 to March 2018.

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 (Hard copy as well as in a CD) of conditions stipulated in the above referred letters.

Thank you,

Yours Faithfully,

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

(Authorized Signatory)

Copy to:

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

Adani Petronet (Dahej) Port Pvt Ltd
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Part A: Six monthly Compliance report for Environment and CRZ Clearance for the development of Solid 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 for establish was obtained from Gujarat Pollution Control Board vide no 71696 dated 08.09.2015. Copy of Consent to Establish was submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III), dated 28.11.2017.
(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.	Complying with. 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. No creeks 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"> 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. Study on shore line change will be conducted once the construction of project will progress.
(vi)	The commitments made during the 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	Complied. All the commitments made during the public hearing have been complied with. An action taken report is enclosed as Annexure 1 .

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Sr. no.	Conditions	Status/Action taken
	Ministry.	
(vii)	All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster management Plan shall be strictly complied with.	<p>Complying with.</p> <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 Chalamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 2. 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 23.03.2018. Last revision in the DMP was done on 01.12.2017.
(viii)	The material for reclamation shall be sourced only through Government approved quarry. The quarried material shall be free from all kinds of contamination and high organic carbon contents. The same should be tested prior to reclamation.	<p>Complying with.</p> <p>All the material for reclamation is procured through approved agency. It has been ensured that Material used for reclamation is free from high organic carbon contents.</p>
(ix)	The coal shall be stored only in designated stock yard with dust control measures viz. wind screen of height at least 2 m above the coal stock, made of fabric/HDPE, water sprinkler arrangement, green belt of at least three layers of suitable trees and scrubs.	<p>Complying with.</p> <p>Coal being stored at designated stock yard with dust control measures viz. wind screen made of steel of height at least 2 m above the coal stock, water sprinkler arrangement, green belt of suitable trees and scrubs.</p>
(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. The alignment of the conveyer will be based on the</p>

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Sr. no.	Conditions	Status/Action taken
		engineering requirement to meet the objectives.
(xi)	The dust from the roads shall be periodically cleaned and dust suppression by water spray be carried out.	Complying with. Regular cleaning of roads is being carried out with the help of two high vacuum road sweeping machine. Regular water sprinkling is carried out by two mobile water tankers.
(xii)	The mangrove plantation of 50 ha shall be under taken in consultation with Gujarat Ecology Commission / State Forest Department.	In progress. The mangrove plantation of 50 ha is in progress at Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise Limited (SAVE).
(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.	Complying with <ul style="list-style-type: none"> At APDPPL, on mechanize berth 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	Complying with 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 interference with the natural drainage.
(xv)	The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.	Complied. Ground water is not tapped in CRZ area for the project. Water requirement is being through GIDC water supply.
(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	Complied. <ul style="list-style-type: none"> Domestic effluent is being treated in STPs. The treated water confirming to the norms is being used for horticulture purpose. The monitoring results of the treated

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Sr. no.	Conditions	Status/Action taken
	Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.	wastewater from STP for the period from October 2017 – March 2018 are enclosed as Annexure –3F . <ul style="list-style-type: none"> APDPPL regularly submits report to State Pollution Control Board.
(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 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 October 2017 to March 2018 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 scrupulously implemented. It shall be ensured that the marine ecology in the area of influence is not adversely affected.	Complied with. <ul style="list-style-type: none"> There is no dredging and dumping of waste on to the marine ecology envisage in this project. 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 October 2017 to March 2018 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

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Sr. no.	Conditions	Status/Action taken
		that there are no significant changes in the marine ecology indicators. Reports for the period of October 2017 to March 2018 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"> APDPPL is having well established Oil Spill Contingency Plan. There is no Oil spill reported during the period of October 2017 to March 2018. Periodic Mock drills are conducted. Recent mock drill was conducted on 23.03.2018.
(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.	Complying with. 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 2.
(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 segregated and recycled/ disposed as per SPCB guidelines. Ships/vessels calling at the jetty shall not dump waste/bilge water during the berthing period.	Complying with. 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.
(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"> DG sets are installed as per the approval. Periodic Monitoring of DG set Stack emission & noise is being carried out M/s Pollucon Laboratories, a NABL accredited and MoEF&CC recognised laboratory. Reports of DG sets are enclosed as Annexure 3H.
(xxv)	All the mechanized handling systems and other associated	Complying with. <ul style="list-style-type: none"> At APDPPL, on mechanize berth

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Sr. no.	Conditions	Status/Action taken
	equipments such as hoppers, belt conveyors, stacker cum reclaimers shall have integrated dust suppression systems. Dust suppression systems shall be provided at all transfer point.	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. <ul style="list-style-type: none"> After mechanization of south berth, desired pollution control measures shall 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 dry 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. The quality of treated effluents, solid wastes, emissions and noise levels is being monitored through M/s Pollucon Laboratories, a NABL accredited and MoEF recognised laboratory. Monitoring Reports for the period of October 2017 to March 2018 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.	Complying with. <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 2.
(xxix)	It shall be ensured by the Project 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.	Complied. 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	Complied. The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking

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Sr. no.	Conditions	Status/Action taken
	welfare measures as proposed under the CSR Programme. This shall be taken up on priority.	care of Social-economic establishment activities and details of the same for the period of October 2017 to March 2018 is attached as Annexure – 7.
(xxxix)	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 – 6.
(xxxix)	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Complied. Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), Closed Conveyor System Maintenance and etc. The allocation of revenue budget for Environment Cell for the FY 2017-18 was approx. Rs. 210.72 lacs. Details of the environmental budget and expenditure for the FY 2017-18 is enclosed as Annexure – 5.
(xxxix)	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.	Complying with. 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 – 2.
(xxxix)	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 14001: 2015, ISO 9001: 2015 and OHSAS 18001: 2007. Complete set of operating manual is available at site. Regular awareness sessions is organized for each level of management as per the training need identification (TNI) done by HR department.

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Sr. no.	Conditions	Status/Action taken
		<ul style="list-style-type: none"> All the schedules and results of environmental monitoring is available at EHS department of project site.
(xxxv)	<p>Corporate Social Responsibility:</p> <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>	<p>Complied with.</p> <ul style="list-style-type: none"> Company has an Environment Policy. All the requirements mention in the condition is 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 – 6. APDPPL has form a management review committee-comprising head of departments and chaired by site head. This review committee meets once in six month to review and monitor EHS performance of the site. All action items 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>Complied with.</p> <p>There is no digging activities except piling and foundation works of structures. Appropriate measures are being taken during such activities. 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</p>

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Sr. no.	Conditions	Status/Action taken
		laboratory. Copies of reports are enclosed as Annexure 3B .
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.	Complying with. <ul style="list-style-type: none"> APDPPL is regularly submit six monthly compliance reports which comprises 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 ADPPL full support is extended and ADPPL provides all additional information seek by them during the inspection. Recent visit of Regional officer of Gujarat/ Pollution Control Board, Bharuch was on 14.03.2018.
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.	Noted and Complied. APDPPL is regularly submit six monthly compliance reports which comprises Compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports and EMP Status etc. and Last submission was on 28.11.2017.
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	Complied.

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Sr. no.	Conditions	Status/Action taken
	profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest and Climate Change.	There is no change in the implementation of project profile/agency.
vii	The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	<ul style="list-style-type: none"> Financial closure date for the project is 29/10/2014. Consent to Establish from Gujarat Pollution control Board is obtained on 08/09/2015. 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 with. 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 with. 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,	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)

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Sr. no.	Conditions	Status/Action taken
	Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	and valid up to 31.12.2019. <ul style="list-style-type: none"> • Forest clearance has been taken for 38 ha of land (Phase II) vide letter no A-1006(10-9)SF-76-K dated 1st July 2008 from DOEFL. • Clearance from MOEF was obtained vide letter no 6-GJC060/2006-BHO/1508 dated 16th June 2008. • 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 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.	Complied. <ul style="list-style-type: none"> • Environment clearance letter is published in "Indian Express" and "Gujarat Guardian" newspapers on dated 25th October 2016 which is within 7 days of from the date of the receipt of clearance letter. 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.	Complied. The status of environment clearance conditions is available on company website that i.e. www.adaniports.com/ports-downloads
16	Any appeal against this Clearance shall lie with the National Green Tribunal, if	Noted.

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Sr. no.	Conditions	Status/Action taken
	preferred, within a period of 30 days as prescribed under Section 16 of The National Green Tribunal, Act, 2010.	
17	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied with. <ul style="list-style-type: none"> Copy of the clearance letter is submitted to concerned Panchayat, Zila Parisad, local body and the local NGO by hand and registers speed post. Copy of the acknowledgement and receipt of speed post was submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) , dated 28.11.2017. Copy of environment clearance is also available on company website i.e. 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 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.	Complied. <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. Last submission was on 28.11.2017.
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.	Complied. <ul style="list-style-type: none"> Environment statement regularly being submitted to Gujarat Pollution Control Board. Last report was submitted dated 9th May 2017. Copy of report is also available on company website i.e. www.adaniports.com/ports-downloads Same has been sent by email to RO, MoEF on 04.12.2017.

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Solid 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 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. No creeks are blocked due to project activity.
3	The APDPPL shall have to comply with the agreement made by then 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 done 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.	Complying with. <ul style="list-style-type: none"> APDPPL is handling dry 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 23.03.2018. Last revision in the DMP was done on 01.12.2017.
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 has already been obtained vide GPCB/BRCH-B/CCA-06(6)/ID 31664/326835 dated 08/09/2015. For storage of HSD approval has been taken from PESO vide letter no P/WC/GJ/14/3668(P221616) and valid up to 31.12.2019. Forest clearance has been taken for

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

Sr. no.	Conditions	Status/Action taken
		<p>38 ha of land (Phase II) vide letter no A-1006(10-9)SF-76-K dated 1st July 2008 from DOEF.</p> <ul style="list-style-type: none"> Clarence from MOEF was obtained vide letter no 6-GJC060/2006-BHO/1508 dated 16th June 2008.
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.	<p>Complying with.</p> <p>There is no damage to Mangrove due to project activity. Free flow to the mangroves near the jetty approach is maintained.</p>
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.	<p>Complying with.</p> <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 2.
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 / supervision of the reputed institute/ organization.	<p>Complying with.</p> <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 Marine Board is regularly monitoring the project progress.
9	The construction debris and/or any other type of waste shall not be disposed of into the sea, creek or in the CRZ areas. The debris shall be removed from the construction site immediately after the construction is over.	<p>Complying with.</p> <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	<p>Complying with.</p> <p>No labour camps are located in Coastal Regulation Zone area. Labours are managed through contractors and they are from surrounding villages and have been provided residential facilities in</p>

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

Sr. no.	Conditions	Status/Action taken
	environmental conditions are not deteriorated by the construction labours.	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. 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 23.03.2018. Last revision in the DMP was done on 01.12.2017.
12	M/s APDPPL shall bear the cost of the external agency that may be appointed by this Department for supervision /monitoring of proposed activities and the impact of the proposed activities.	Noted and shall be complied.
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 8.0 ha including periphery of the project boundary. Detailed plan of the green belt development plan is enclosed as Annexure 4 .
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	In progress. The mangrove plantation of 50 ha is in progress at Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise Limited (SAVE).

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

Sr. no.	Conditions	Status/Action taken
	this regard shall be submitted to this Department along with satellite images and GPS readings with Latitudes and Longitudes.	
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.	Shall be complied. Area identification for Bio shield project is under progress.
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.	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 October 2017 to March 2018 is attached as Annexure – 7 .
19	A separate budget shall be 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.	Complied. Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and Maintenance), Closed Conveyor System Maintenance and etc. The allocation of revenue budget for Environment Cell for the FY 2017-18 was approx. Rs. 210.72 lacs. Details of the environmental budget and expenditure for the FY 2017-18 is enclosed as Annexure – 5 .
20	A separate Environment Management Cell with qualified personnel shall be created for environmental monitoring and management during construction andn 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 – 6 .
21	Environmental Audit report indicating the changes, if any, with respect to the baseline environment quality in the coastal and marine environment shall	Complying with. <ul style="list-style-type: none"> The quality of Ambient air, treated effluents, sea water and sediment, ground water and

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

Sr. no.	Conditions	Status/Action taken
	be submitted every year by M/s APDPPL to this Department as well as to the MoEF&CC, GOI.	noise levels is being monitored through M/s Pollucon Laboratories, a NABL accredited agency. Monitoring Reports for the period of October 2017 to March 2018 is enclosed as Annexure 3 . <ul style="list-style-type: none"> Report confirms that there is no significant change in the quality in comparison to base line (wherever available)
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 submit six monthly compliance reports which comprises Compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports, status of EMP etc. Last submission was done on vide letter dated 28.11.2017.
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 the 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
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 31/03/2018
1.	Shri ManaharbhaiGohil, 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. Equipments 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"> 1. Company has not taken permission from village panchayat for installation of conveyor belt passing thorough the road. 2. Transportation of coal through trucks should be stopped. 3. Precautions should be taken to 		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 31/03/2018
		<p>avoid fire in coal storage area.</p> <p>4. "Court Commission" should be appointed for evaluation of current 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 Lakhigamitself 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. 	<ul style="list-style-type: none"> Project Proponent informed that the decision rights for selection of location for the Public Hearing is 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. 	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>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 31/03/2018
		<ul style="list-style-type: none"> • 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 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? • 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? 	<ul style="list-style-type: none"> • Executive Summary is prepared as per the guidelines under EIA Notification. The more pages are due to various annexures. • 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 	<p>Dist. Collector has informed to Project Proponent to communicate the changes made in the draft EIA while finalizing the EIA to the concern representative.</p>	<p>After obtaining CRZ recommendations from GCZMA vide their letter 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</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 31/03/2018
		<ul style="list-style-type: none"> 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 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. 	<p>Forest and Environment, Government of India</p> <ul style="list-style-type: none"> The project proponent replied that there is no habitation in the inter tidal land, proposed for reclamation 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. 	<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>required</p> <p>No further action required.</p> <p>It is verified. No changes done.</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 31/03/2018
		<ul style="list-style-type: none"> 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? 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 	<ul style="list-style-type: none"> 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 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. 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. 	<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>

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 31/03/2018
		<p>same is also informed to GIDC and GPCB but complaints have remained on papers only.</p> <ul style="list-style-type: none"> 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? No employment is given to land looser of railway yard. Company should give Assurance for employment to land losers. The responsible officers of GIDC 	<ul style="list-style-type: none"> The Project Proponent replied that Belt conveyor capacity is adequate and silo will be developed at the same place where one silo already exists. There is no requirement of new land for this purpose. 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. Roychowdhury replied that there is no employment policy for land looser of ROU land. Only GIDC can answer on this 		<p>No further action required.</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 31/03/2018
		<p>should also be required to remain present during Public Hearing.</p> <ul style="list-style-type: none"> 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 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>issue.</p> <ul style="list-style-type: none"> The project proponent replied that in India, norms of ambient air quality are already decided and parameters like PM10, PM2.5, 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 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 		<p>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 31/03/2018
		<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 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. I wish good luck to company with hope to do better work for environment. 	<p>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. Project proponent conveyed thanks for his encouraging words. 		<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> <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 31/03/2018
3.	ShriJayatibhaiA hir 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 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. 	<ul style="list-style-type: none"> The project proponent has expressed thanks for appreciation. 		No further action required.
4.	DahyabhaiGhan abhai 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. 			

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 31/03/2018
6.	ShriNareshbhai 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. 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 	<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. 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 		<p>No further action required.</p> <p>At present no action is pending</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 31/03/2018
		<p>employment to us on their own.</p> <ul style="list-style-type: none"> Company should think about high pollution levels. 	<p>received from their side.</p> <ul style="list-style-type: none"> The project proponent replied that they have already replied earlier to similar question. 		No further action required.
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 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 	<ul style="list-style-type: none"> The project proponent has expressed thanks for appreciation. 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> <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 31/03/2018
		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.			
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. 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. 	<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. 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 	<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 locals.</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 31/03/2018
		<ul style="list-style-type: none"> As per page No.53 of EIA report it is mentioned that there is no tourism place in this area. Whereas, Lakhabava temple is already exist than why it is not shown in report? It is requested to announce that problem of coal dust in Lakhabava temple should be controlled As per Sr.10 page No.53 of EIA report, it is mentioned that there are 50 fishermen 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 	<p>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.</p> <ul style="list-style-type: none"> The project proponent replied that EIA report included tourism places as per records of Gujarat Govt. Lakhabava 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 Lakhabava 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>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 31/03/2018
		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	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 31/03/2018
				actions will be taken from Dist. Collectrate Office.	
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 	<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>

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 31/03/2018
		activities. What will be the impact on fish due to proposed project.			
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 Neem trees are planted where foot prints of coal dust is being observed while going to temple. 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. 	<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. 		<p>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.</p> <p>No action required from company.</p>
16	Shri Pradeepbhai Thaker Member of	<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 			

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 31/03/2018
	Noise Pollution Environment Committee	<p>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</p> <ul style="list-style-type: none"> • 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 impact is occurring to their health. • 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 	<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 31/03/2018
		<p>incident of major fire occurred before two years.</p> <ul style="list-style-type: none"> • 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 • 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 		Regional Officer of GPCB informed that	

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 31/03/2018
		<ul style="list-style-type: none"> 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. 	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.
18	Shri Rakesh Gohil Village: Lahigam	<ul style="list-style-type: none"> Who has prepared the EIA report and who has certified it 	<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 		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 31/03/2018
		<ul style="list-style-type: none"> 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. 	<p>are studied, reviewed and accordingly report is prepared</p> <ul style="list-style-type: none"> 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.	
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: Compliance Status of EMP as mentioned in the EIA study For Phase-III
Expansion of Adani Petronet (Dahej) Port Pvt. Ltd., March 2018:**

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 artillery roads.
	Vehicle tyre washing facilities will be provided at the entrance to prevent spillover of dust sticking on tyre outside the facility.	Complied with. Vehicle tyre washing system has been provided.
	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 equipments at site will be subjected to regular maintenance to minimize the vehicle exhaust.	Complying with. All vehicles are being checked for PUC.
	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 equipments should be repaired to meet the compliance noise level.	Complying with. Noise generating equipments 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, A NABL accredited

		and MoEF&CC recognized laboratory. <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 equipments are provided with acoustic enclosures.
1.3	Sewage Management Plan	
	Sewage generated from the construction site will be treated in existing STP of 27 m ³ capacity.	Complying with. Domestic effluent is being treated in STPs. The treated water confirming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from October 2017 – March 2018 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 Bioneer 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 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, 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	Complying with. All dust control systems are maintained and operating well.
	At coal stack yard, 100 sprinklers have been installed to control fugitive coal dust emissions. At a time 4 sprinklers will be operated and consumes water around 3600 LPM. Similarly, for the proposed expansion of port from 11.7 to 23 MMTPA such a robust DFDS and Sprinklers will be installed and maintained with maximum efficiency.	Complying with. <ul style="list-style-type: none"> At coal stack yard, 100 sprinklers and 4 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. Wind breaker of the same specification shall be provided in the additional storage area once completed.
	Road sweeping of dust is being undertaken using mobile van thereby preventing settled dust gets airborne due to movement of vehicles and high wind velocity and the same is recommended	Complying with. Two dust sweeping machines (mobile van) are working at site.
	High capacity vacuum cleaning machine installed at mobile truck is deployed for removal of dust settled on roads and the same practices will be implemented in the proposed project.	
	Regular wetting of the roads is undertaken through dedicated truck mounted spray arrangement with least water consumption. The same will be implemented in the proposed activities.	Complying with. Sprinkling of water is being done on the roads to control the dust.
2.2	Noise Control Management Plan	
	High speed rotating equipments such as gantry cranes motors, hydraulic systems will	Shall be complied.

	be installed within-built acoustic systems to maintain the noise decibel as per the manufacturer specifications	Mechanization of the south jetty is yet to be done.
	DG sets installed in open area will be provided with acoustic enclosure	Complying with. DG sets installed in open area will be provided with acoustic enclosure
	Compressors and Diesel generators and pump house will be installed in separate building provided with noise absorbing materials on the walls	Complying with. Compressor and DG sets are installed in separate building and provided with acoustic enclosures.
	Movement of vehicles within the port will be restricted with speed control measures	Complying with. <ul style="list-style-type: none"> • Speed is limited within the port premises. • Proper signage also provided with the premises.
	Using silent exhaust pipes for major diesel engine vehicles and heavy trucks operated inside the port	Complying with. All major diesel engine vehicles and heavy trucks operated inside the port are with silent exhaust.
	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 8.0 ha including periphery of the project boundary.
	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 14001:2015. 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 23 Ha area is being done.
	• 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	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.

	anchored for collection of waste due to windblown in to 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:	
	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 8.0 ha including periphery of the project boundary.
	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 	
	Economic Development Programs	

	<ul style="list-style-type: none"> ✓ Knowledge centre regarding various government schemes and latest technology ✓ Skill Development Training Programs 																															
	Women Empowerment <ul style="list-style-type: none"> ✓ Sanitation Promotion Programs ✓ Construction and Maintenance of Sanitation complex ✓ Awareness Programs 																															
	Infrastructure development Programs <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: <table border="1"> <thead> <tr> <th>S. No.</th><th>Village</th><th>Programs</th></tr> </thead> <tbody> <tr> <td>1.</td><td>Luvara</td><td>Developing proper drainage system in the village.</td></tr> <tr> <td>2.</td><td>Dahej</td><td>Providing Safe Drinking water Facilities in the schools</td></tr> <tr> <td>3.</td><td>Dahej</td><td>Developing medical facilities in the PHC such as facilities for storage of perishable medicines,</td></tr> <tr> <td>4.</td><td>Jageshwar</td><td>Developing Drainage System</td></tr> <tr> <td>5.</td><td>Lakhigam</td><td>Developing Drainage System</td></tr> <tr> <td>6.</td><td>Lakhigam Luvara Jageshwar</td><td>Developing Solar Street Light and Internal Village Roads</td></tr> <tr> <td>7.</td><td>Ambetha</td><td>Developing Drainage System</td></tr> <tr> <td>8.</td><td>Study Area Villages</td><td>Mobile Clinic providing medical facilities in the villages of the study area by having periodic visits and health camps.</td></tr> <tr> <td>9.</td><td>Study Area Villages</td><td>Developing Safe Drinking facilities at Schools in the study area.</td></tr> </tbody> </table>	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.	
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	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				
	APPPL has already established and maintained an Environmental Management Cell (EMC) with Head of Department (EHS), supported by field level executives and horticulturist for implementation of the compliance conditions as per Environmental Clearance obtained and GPCB Consent Conditions. Periodical monitoring activities are being undertaken by MoEF recognized and NABL accredited environmental laboratories. Environmental compliance reports are regularly submitted to MoEF regional office, Vadodara and New Delhi.			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 - 6.
	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 will be undertaken by MoEF recognized and NABL accredited environmental laboratories as part of compliance report preparation and its submission to GPCB, MoEF Regional Office, Vadodara and New Delhi.			
2.9 Cost Estimates for Environmental Management Plan:				
	The estimated total cost of the proposed project is Rs.464.32 Crores. Under the project, about Rs.173.35 Crores is allocated towards pollution control equipment, implementation of environmental pollution control measures and environmental management programs.			Complied. Separate budget is allocated for Environmental Management and Socio Economic activities. • Key components of environment budget are environmental Monitoring, STP's (O&M), Closed Conveyor System Maintenance and etc. The allocation of revenue budget for Environment Cell for the FY 2017-18 was approx. Rs. 210.72 lacs. Details of the environmental budget and expenditure for the October, 17 to March, 18 is enclosed as Annexure - 5.

Annexure-3

Environment Monitoring Report for the period from Oct-17 to March-18

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	03/10/2017	87.62	52.67	0.76	BDL*	2.46	10.58	1.05	BDL*	32.08	23.61	37.57	23.54
2	06/10/2017	50.91	22.57	BDL*	BDL*	BDL*	BDL*	0.95	BDL*	22.52	7.51	24.73	25.68
3	10/10/2017	78.70	45.57	BDL*	BDL*	BDL*	BDL*	0.64	BDL*	28.99	18.37	28.50	30.20
4	13/10/2017	92.39	55.60	0.82	BDL*	2.64	10.88	0.52	BDL*	38.25	8.39	26.33	24.56
5	17/10/2017	52.39	20.57	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	52.43	10.54	19.20	29.30
6	20/10/2017	89.58	49.33	0.68	BDL*	2.26	10.76	0.94	BDL*	30.54	14.71	31.35	27.53
7	24/10/2017	75.48	44.31	BDL*	BDL*	BDL*	BDL*	1.00	BDL*	24.37	21.39	42.52	20.68
8	27/10/2017	67.29	37.62	BDL*	BDL*	BDL*	BDL*	0.37	BDL*	46.27	11.52	32.36	26.31
9	31/10/2017	59.31	32.61	BDL*	BDL*	BDL*	BDL*	0.84	BDL*	18.20	13.38	29.45	28.57
10	03/11/2017	92.39	48.49	0.56	BDL*	2.46	10.69	0.68	BDL*	27.41	19.77	38.34	26.25
11	07/11/2017	62.72	31.35	BDL*	BDL*	BDL*	BDL*	0.86	BDL*	51.25	10.59	29.49	22.58
12	10/11/2017	88.60	40.55	BDL*	BDL*	2.23	BDL*	0.70	BDL*	35.16	21.67	40.18	29.40
13	14/11/2017	56.30	29.68	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	20.56	12.51	23.16	17.52
14	17/11/2017	47.80	18.47	BDL*	BDL*	BDL*	BDL*	0.87	BDL*	25.63	6.39	21.50	19.59
15	21/11/2017	86.29	42.64	0.54	BDL*	2.75	10.40	0.37	BDL*	44.70	7.60	32.36	21.31
16	24/11/2017	68.32	35.53	BDL*	BDL*	BDL*	BDL*	0.17	BDL*	60.19	9.78	17.57	30.35
17	28/11/2017	72.42	39.71	BDL*	BDL*	BDL*	BDL*	0.45	BDL*	32.48	16.69	25.38	23.52
18	01/12/2017	64.87	30.18	BDL*	BDL*	BDL*	BDL*	0.56	BDL*	29.40	13.47	40.11	27.32
19	05/12/2017	48.60	18.39	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	35.46	9.35	30.83	26.19
20	08/12/2017	57.43	23.49	BDL*	BDL*	BDL*	BDL*	0.86	BDL*	18.49	17.71	35.41	22.38
21	12/12/2017	88.42	50.29	0.75	BDL*	2.66	10.60	0.94	BDL*	42.44	16.39	38.75	28.47
22	15/12/2017	71.58	29.09	BDL*	BDL*	BDL*	BDL*	1.03	BDL*	26.37	25.38	32.61	16.48
23	19/12/2017	86.69	40.88	0.84	BDL*	2.84	10.38	0.87	BDL*	31.22	20.57	44.94	23.44
24	22/12/2017	69.41	37.79	BDL*	BDL*	BDL*	BDL*	0.50	BDL*	27.58	10.58	39.17	25.69
25	26/12/2017	76.37	33.19	BDL*	BDL*	BDL*	BDL*	0.65	BDL*	23.95	21.74	36.48	24.20
26	29/12/2017	92.37	52.38	0.63	BDL*	2.14	10.54	0.41	BDL*	11.82	12.76	24.76	29.90
27	02/01/2018	92.58	53.59	0.70	BDL*	2.44	10.12	0.82	BDL*	35.46	13.35	38.43	22.20
28	05/01/2018	67.40	31.31	BDL*	BDL*	BDL*	BDL*	0.48	BDL*	25.03	11.56	35.40	28.08
29	09/01/2018	73.59	42.81	BDL*	BDL*	BDL*	BDL*	0.45	BDL*	42.31	17.72	43.45	29.32
30	12/01/2018	95.59	50.54	0.57	BDL*	2.34	10.62	0.38	BDL*	10.13	10.54	21.36	27.87
31	16/01/2018	51.73	19.14	BDL*	BDL*	BDL*	BDL*	0.53	BDL*	29.50	8.40	25.92	19.52

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32	19/01/2018	71.47	30.73	BDL*	BDL*	BDL*	BDL*	0.78	BDL*	22.35	21.45	28.44	26.57
33	23/01/2018	90.27	43.23	0.76	BDL*	2.60	10.56	0.81	BDL*	26.52	24.39	40.25	25.66
34	26/01/2018	81.61	35.74	BDL*	BDL*	BDL*	BDL*	0.93	BDL*	19.37	18.77	29.45	18.51
35	30/01/2018	69.32	25.17	BDL*	BDL*	BDL*	BDL*	0.77	BDL*	15.49	12.41	32.40	23.07
36	02/02/2018	70.20	32.82	BDL*	BDL*	BDL*	BDL*	0.23	BDL*	24.73	14.50	24.28	25.58
37	06/02/2018	84.53	49.54	0.69	BDL*	2.64	10.37	0.66	BDL*	41.12	23.61	41.19	22.45
38	09/02/2018	78.72	45.40	BDL*	BDL*	BDL*	BDL*	0.71	BDL*	55.42	12.73	38.65	24.40
39	13/02/2018	87.38	39.88	0.64	BDL*	2.54	10.78	0.64	BDL*	32.78	21.34	43.37	30.33
40	16/02/2018	74.22	35.73	0.86	BDL*	2.76	BDL*	0.82	BDL*	58.40	24.67	36.39	27.63
41	20/02/2018	95.60	53.38	BDL*	BDL*	BDL*	10.59	0.32	BDL*	69.43	10.50	18.36	29.29
42	23/02/2018	76.37	48.20	BDL*	BDL*	BDL*	BDL*	0.79	BDL*	50.36	16.32	30.21	19.32
43	27/02/2018	90.40	42.72	0.75	BDL*	2.67	10.26	0.36	BDL*	46.19	22.73	33.41	28.22
44	02/03/2018	94.53	51.00	0.67	BDL*	2.64	11.12	0.31	BDL*	32.43	23.68	37.24	23.30
45	06/03/2018	87.57	47.62	BDL*	BDL*	2.32	BDL*	0.82	BDL*	54.26	27.76	39.94	29.46
46	09/03/2018	74.28	41.72	BDL*	BDL*	BDL*	BDL*	0.19	BDL*	46.38	25.66	26.95	27.28
47	13/03/2018	90.19	39.34	0.65	BDL*	2.48	10.36	0.58	BDL*	29.40	20.33	44.84	21.66
48	16/03/2018	79.59	42.23	BDL*	BDL*	BDL*	BDL*	0.68	BDL*	36.68	17.68	33.20	30.44
49	20/03/2018	85.62	45.27	BDL*	BDL*	2.34	BDL*	0.69	BDL*	45.47	13.33	42.14	24.39
50	23/03/2018	92.39	54.97	0.86	BDL*	BDL*	10.64	0.27	BDL*	52.44	11.53	20.08	28.27
51	27/03/2018	82.40	48.95	0.58	BDL*	2.78	BDL*	0.55	BDL*	39.41	22.36	47.93	22.48
52	30/03/2018	62.61	36.04	BDL*	BDL*	BDL*	BDL*	0.81	BDL*	27.58	19.77	28.32	18.47

Observations: Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/90/PCI-1 Dt: 16/11/2009 National Ambient Air Quality Standards, New Delhi, for 24 hourly or 8 hourly or 1 hourly monitored values

Note: -

- BDL*: Below Detection Limit: Ozone as O_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Lead as Pb ($\mu g/m^3$): 0.5
- BDL*: Below Detection Limit - Carbon Monoxide as CO (mg/m^3): 0.01
- BDL*: Below Detection Limit - Ammonia NH_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Benzene as C_6H_6 ($\mu g/m^3$): 2
- BDL*: Below Detection Limit - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
- BDL*: Below Detection Limit - Arsenic as As (ng/m^3): 2
- BDL*: Below Detection Limit - Nickel as Ni (ng/m^3): 10

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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	03/10/2017	81.49	45.51	BDL*	BDL*	2.18	10.45	0.72	BDL*	34.59	18.53	21.32	22.51
2	06/10/2017	90.19	41.34	0.65	BDL*	2.46	10.68	0.65	BDL*	39.44	21.38	30.35	28.57
3	10/10/2017	53.63	32.57	BDL*	BDL*	BDL*	BDL*	0.85	BDL*	16.38	13.47	33.60	25.56
4	13/10/2017	78.59	48.44	BDL*	BDL*	BDL*	BDL*	0.97	BDL*	19.42	5.69	15.64	29.51
5	17/10/2017	66.68	29.65	BDL*	BDL*	BDL*	BDL*	0.15	BDL*	24.88	7.39	36.84	16.84
6	20/10/2017	72.41	33.40	BDL*	BDL*	BDL*	BDL*	0.68	BDL*	20.63	10.65	22.48	20.78
7	24/10/2017	64.20	27.56	BDL*	BDL*	BDL*	BDL*	0.47	BDL*	32.46	17.42	39.16	27.40
8	27/10/2017	88.28	52.61	0.85	BDL*	BDL*	10.33	0.88	BDL*	21.24	23.67	24.48	19.40
9	31/10/2017	77.48	38.41	BDL*	BDL*	BDL*	BDL*	0.70	BDL*	28.52	16.47	31.63	30.64
10	03/11/2017	61.10	27.56	BDL*	BDL*	BDL*	BDL*	0.15	BDL*	35.47	15.40	35.41	18.42
11	07/11/2017	88.30	45.51	0.64	BDL*	BDL*	10.24	0.58	BDL*	23.45	7.53	21.88	26.35
12	10/11/2017	78.49	34.66	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	38.69	16.36	19.22	17.59
13	14/11/2017	52.40	31.32	BDL*	BDL*	BDL*	BDL*	0.40	BDL*	31.36	22.41	29.25	23.14
14	17/11/2017	92.40	36.74	0.74	BDL*	2.54	11.80	0.42	BDL*	44.55	19.71	26.47	28.54
15	21/11/2017	75.32	29.65	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	19.64	5.39	14.75	19.51
16	24/11/2017	55.61	22.55	BDL*	BDL*	BDL*	BDL*	0.11	BDL*	27.26	12.54	33.24	15.88
17	28/11/2017	66.32	26.72	BDL*	BDL*	BDL*	BDL*	0.56	BDL*	16.41	14.53	22.56	22.48
18	01/12/2017	89.19	41.92	BDL*	BDL*	BDL*	10.01	0.92	BDL*	20.57	19.47	32.42	23.62
19	05/12/2017	54.73	31.48	BDL*	BDL*	BDL*	BDL*	0.81	BDL*	28.32	12.48	37.39	27.49
20	08/12/2017	84.28	45.60	0.62	BDL*	2.26	10.24	0.72	BDL*	44.43	23.64	25.45	26.70
21	12/12/2017	68.39	39.79	BDL*	BDL*	BDL*	BDL*	0.69	BDL*	21.17	13.51	27.92	17.72
22	15/12/2017	56.80	22.88	BDL*	BDL*	BDL*	BDL*	0.55	BDL*	31.90	10.73	23.14	18.18
23	19/12/2017	80.38	34.99	0.52	BDL*	2.36	10.79	0.77	BDL*	33.10	16.57	26.79	22.22
24	22/12/2017	52.39	30.40	BDL*	BDL*	BDL*	BDL*	1.04	BDL*	19.08	7.47	30.34	29.55
25	26/12/2017	65.40	26.39	BDL*	BDL*	BDL*	BDL*	0.90	BDL*	16.10	15.38	38.60	25.34
26	29/12/2017	76.39	43.88	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	24.45	21.38	40.15	16.48
27	02/01/2018	71.99	43.68	BDL*	BDL*	BDL*	BDL*	0.63	BDL*	17.59	11.77	25.50	29.38
28	05/01/2018	93.42	50.73	BDL*	BDL*	BDL*	10.35	0.86	BDL*	35.47	16.51	27.62	17.76
29	09/01/2018	55.40	33.07	BDL*	BDL*	BDL*	BDL*	0.95	BDL*	19.34	6.66	24.44	28.47
30	12/01/2018	81.42	47.77	BDL*	BDL*	BDL*	BDL*	0.15	BDL*	20.22	17.53	33.55	26.98
31	16/01/2018	58.68	35.37	BDL*	BDL*	BDL*	BDL*	0.79	BDL*	23.74	10.67	30.46	18.40
32	19/01/2018	60.38	25.85	BDL*	BDL*	BDL*	BDL*	0.50	BDL*	27.55	9.61	19.36	16.69
33	23/01/2018	84.63	39.12	BDL*	BDL*	BDL*	10.22	0.71	BDL*	34.59	13.74	23.60	22.64
34	26/01/2018	68.68	29.65	BDL*	BDL*	BDL*	BDL*	0.55	BDL*	13.19	21.63	35.65	27.50
35	30/01/2018	89.17	49.77	0.62	BDL*	2.10	BDL*	0.96	BDL*	47.19	18.37	22.14	21.82
36	02/02/2018	64.20	29.73	BDL*	BDL*	BDL*	BDL*	0.38	BDL*	36.93	24.45	31.60	17.54
37	06/02/2018	73.58	40.38	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	46.60	17.38	20.26	25.19
38	09/02/2018	58.28	24.13	BDL*	BDL*	BDL*	BDL*	0.45	BDL*	26.67	10.49	29.34	29.60
39	13/02/2018	62.38	28.52	BDL*	BDL*	BDL*	BDL*	0.19	BDL*	41.62	16.52	37.42	21.64
40	16/02/2018	83.40	47.18	0.72	BDL*	2.42	10.50	0.40	BDL*	55.69	21.43	27.44	16.68
41	20/02/2018	70.29	32.61	BDL*	BDL*	BDL*	BDL*	0.11	BDL*	32.53	13.63	35.57	27.20
42	23/02/2018	80.17	45.22	0.62	BDL*	BDL*	10.13	0.55	BDL*	27.26	8.48	25.42	20.72
43	27/02/2018	71.57	36.12	BDL*	BDL*	BDL*	BDL*	0.74	BDL*	23.45	19.30	15.42	26.45

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44	02/03/2018	74.48	42.76	BDL*	BDL*	BDL*	BDL*	0.53	BDL*	10.44	20.59	16.87	26.41
45	06/03/2018	68.29	33.57	BDL*	BDL*	BDL*	BDL*	0.64	BDL*	42.34	23.65	30.03	16.15
46	09/03/2018	59.29	36.74	BDL*	BDL*	BDL*	BDL*	0.33	BDL*	26.54	12.68	34.36	21.42
47	13/03/2018	80.63	34.45	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	33.69	18.63	22.17	18.65
48	16/03/2018	92.39	52.53	0.82	BDL*	2.34	10.53	0.47	BDL*	20.57	7.44	26.51	23.52
49	20/03/2018	63.52	30.02	BDL*	BDL*	BDL*	BDL*	0.87	BDL*	19.68	11.42	31.09	27.32
50	23/03/2018	76.20	46.89	BDL*	BDL*	BDL*	BDL*	0.14	BDL*	24.45	14.73	38.68	19.29
51	27/03/2018	66.21	35.45	BDL*	BDL*	BDL*	BDL*	0.77	BDL*	30.41	17.35	40.61	17.58
52	30/03/2018	58.40	23.84	BDL*	BDL*	BDL*	BDL*	0.46	BDL*	14.61	10.71	23.14	22.34

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: -

- BDL*: Below Detection Limit: Ozone as O_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Lead as Pb ($\mu g/m^3$): 0.5
- BDL*: Below Detection Limit - Carbon Monoxide as CO (mg/m^3): 0.01
- BDL*: Below Detection Limit - Ammonia NH_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Benzene as C_6H_6 ($\mu g/m^3$): 2
- BDL*: Below Detection Limit - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
- BDL*: Below Detection Limit - Arsenic as As (ng/m^3): 2
- BDL*: Below Detection Limit - Nickel as Ni (ng/m^3): 10

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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	03/10/2017	76.18	42.73	BDL*	BDL*	BDL*	BDL*	0.63	BDL*	38.64	15.46	25.63	30.50
2	06/10/2017	68.32	28.55	BDL*	BDL*	BDL*	BDL*	0.89	BDL*	18.40	11.53	28.40	21.31
3	10/10/2017	46.63	25.53	BDL*	BDL*	BDL*	BDL*	0.73	BDL*	21.47	9.55	18.64	27.66
4	13/10/2017	58.59	31.69	BDL*	BDL*	BDL*	BDL*	0.80	BDL*	24.53	12.57	29.51	15.52
5	17/10/2017	70.20	26.69	BDL*	BDL*	BDL*	BDL*	0.33	BDL*	29.44	20.38	39.46	24.39
6	20/10/2017	82.37	43.58	0.56	BDL*	BDL*	BDL*	0.50	BDL*	35.27	17.40	32.62	16.52
7	24/10/2017	55.43	30.72	BDL*	BDL*	BDL*	BDL*	0.54	BDL*	20.55	19.67	35.36	29.26
8	27/10/2017	62.40	33.31	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	32.20	14.45	38.38	25.28
9	31/10/2017	54.19	29.48	BDL*	BDL*	BDL*	BDL*	0.46	BDL*	40.17	10.60	22.41	20.49
10	03/11/2017	53.18	22.65	BDL*	BDL*	BDL*	BDL*	0.19	BDL*	23.40	17.47	31.48	23.35
11	07/11/2017	62.40	33.75	BDL*	BDL*	BDL*	BDL*	0.71	BDL*	35.25	13.77	35.65	19.33
12	10/11/2017	71.30	30.72	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	43.25	11.40	23.49	24.20
13	14/11/2017	51.42	27.52	BDL*	BDL*	BDL*	BDL*	0.32	BDL*	52.44	5.44	20.37	21.59
14	17/11/2017	63.61	24.60	BDL*	BDL*	BDL*	BDL*	0.62	BDL*	20.44	16.57	29.07	27.20
15	21/11/2017	55.39	20.51	BDL*	BDL*	BDL*	BDL*	0.76	BDL*	27.55	14.71	26.16	22.41
16	24/11/2017	66.30	38.51	BDL*	BDL*	BDL*	BDL*	0.24	BDL*	33.18	18.30	36.53	20.39
17	28/11/2017	43.51	15.58	BDL*	BDL*	BDL*	BDL*	0.50	BDL*	24.29	8.47	19.33	26.58
18	01/12/2017	56.71	27.99	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	32.55	16.73	45.13	25.66
19	05/12/2017	60.58	21.81	BDL*	BDL*	BDL*	BDL*	0.71	BDL*	19.29	15.38	33.82	20.93
20	08/12/2017	53.60	18.99	BDL*	BDL*	BDL*	BDL*	0.47	BDL*	37.97	21.65	28.45	19.75
21	12/12/2017	83.53	47.29	0.68	BDL*	2.36	10.21	0.38	BDL*	28.33	20.73	41.86	23.83
22	15/12/2017	62.72	24.69	BDL*	BDL*	BDL*	BDL*	0.54	BDL*	21.10	23.37	29.73	27.57
23	19/12/2017	73.60	32.69	0.56	BDL*	2.51	10.62	0.66	BDL*	34.36	18.46	31.48	28.69
24	22/12/2017	42.61	26.69	BDL*	BDL*	BDL*	BDL*	0.84	BDL*	23.81	14.51	34.52	22.10
25	26/12/2017	59.40	23.10	BDL*	BDL*	BDL*	BDL*	0.73	BDL*	17.48	11.53	23.14	26.80
26	29/12/2017	71.21	40.29	BDL*	BDL*	BDL*	BDL*	0.36	BDL*	30.44	24.73	37.43	24.85
27	02/01/2018	86.58	49.87	0.64	BDL*	2.22	BDL*	0.34	BDL*	24.29	20.37	35.61	21.39
28	05/01/2018	60.15	29.64	BDL*	BDL*	BDL*	BDL*	0.40	BDL*	11.55	14.52	37.87	29.66
29	09/01/2018	43.59	18.65	BDL*	BDL*	BDL*	BDL*	0.87	BDL*	20.15	12.40	38.21	24.45
30	12/01/2018	75.63	42.87	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	26.07	21.53	30.52	19.59
31	16/01/2018	68.38	23.10	BDL*	BDL*	BDL*	BDL*	0.64	BDL*	16.29	13.79	27.36	26.45
32	19/01/2018	80.22	28.33	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	19.26	19.39	24.30	30.23
33	23/01/2018	79.66	35.04	0.51	BDL*	2.31	BDL*	0.62	BDL*	29.63	16.70	33.35	20.53
34	26/01/2018	55.60	25.35	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	17.48	9.76	19.21	22.61
35	30/01/2018	73.49	20.17	BDL*	BDL*	BDL*	BDL*	0.88	BDL*	32.59	7.54	15.60	25.59
36	02/02/2018	52.32	22.95	BDL*	BDL*	BDL*	BDL*	0.29	BDL*	61.62	5.50	20.77	26.34
37	06/02/2018	78.40	26.56	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	52.44	11.58	24.57	30.26
38	09/02/2018	84.61	50.75	0.72	BDL*	2.34	10.54	0.33	BDL*	46.22	16.71	41.55	23.32
39	13/02/2018	49.61	19.60	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	27.55	12.46	32.78	25.53
40	16/02/2018	58.60	34.57	BDL*	BDL*	BDL*	BDL*	0.72	BDL*	36.44	18.35	30.26	29.67
41	20/02/2018	64.28	27.60	BDL*	BDL*	BDL*	BDL*	0.22	BDL*	38.51	20.66	38.19	18.41
42	23/02/2018	54.31	30.63	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	41.18	6.78	35.30	21.66
43	27/02/2018	82.39	33.75	0.54	BDL*	2.18	10.03	0.46	BDL*	32.59	17.41	27.26	27.48

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44	02/03/2018	87.31	50.89	0.52	BDL*	2.56	10.63	0.63	BDL*	22.60	17.66	30.46	18.48
45	06/03/2018	73.49	37.94	BDL*	BDL*	BDL*	BDL*	0.13	BDL*	18.38	12.36	25.50	23.47
46	09/03/2018	54.27	29.38	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	35.56	7.56	22.85	25.69
47	13/03/2018	48.41	44.74	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	25.62	16.36	27.28	29.62
48	16/03/2018	57.58	26.73	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	28.33	5.74	39.00	22.58
49	20/03/2018	76.19	31.75	0.66	BDL*	BDL*	BDL*	0.30	BDL*	31.64	15.60	45.43	19.49
50	23/03/2018	86.30	53.52	0.74	BDL*	BDL*	BDL*	0.18	BDL*	38.57	6.68	42.39	27.71
51	27/03/2018	52.28	30.93	BDL*	BDL*	BDL*	BDL*	0.14	BDL*	19.29	13.45	36.58	24.56
52	30/03/2018	74.59	34.95	BDL*	BDL*	BDL*	10.00	0.41	BDL*	20.79	8.51	20.19	28.40

Observation: Above given Result are within the norms Specified Limit as per CPCB Notification NoB-29016/20/9Q/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: -

- BDL*: Below Detection Limit: Ozone as O_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Lead as Pb ($\mu g/m^3$): 0.5
- BDL*: Below Detection Limit - Carbon Monoxide as CO (mg/m^3): 0.01
- BDL*: Below Detection Limit - Ammonia NH_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Benzene as C_6H_6 ($\mu g/m^3$): 2
- BDL*: Below Detection Limit - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
- BDL*: Below Detection Limit - Arsenic as As (ng/m^3): 2
- BDL*: Below Detection Limit - Nickel as Ni (ng/m^3): 10

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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	03/10/2017	64.70	30.44	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	19.19	10.40	33.39	26.79
2	06/10/2017	88.62	36.51	BDL*	BDL*	2.12	BDL*	0.69	BDL*	32.60	23.64	21.38	30.24
3	10/10/2017	69.22	39.73	BDL*	BDL*	BDL*	BDL*	0.96	BDL*	25.59	15.72	24.58	20.50
4	13/10/2017	50.22	28.74	BDL*	BDL*	BDL*	BDL*	0.62	BDL*	13.40	18.42	32.51	18.70
5	17/10/2017	60.42	21.56	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	21.33	14.35	25.35	22.53
6	20/10/2017	75.60	40.58	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	27.42	8.27	28.85	28.42
7	24/10/2017	86.51	49.67	BDL*	BDL*	BDL*	BDL*	0.86	BDL*	15.54	11.65	31.30	24.18
8	27/10/2017	55.48	29.59	BDL*	BDL*	BDL*	BDL*	0.77	BDL*	36.25	20.41	41.22	17.58
9	31/10/2017	72.09	35.51	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	24.07	12.68	19.51	21.47
10	03/11/2017	80.61	41.43	BDL*	BDL*	BDL*	BDL*	0.61	BDL*	17.37	6.69	28.64	21.10
11	07/11/2017	49.32	21.65	BDL*	BDL*	BDL*	BDL*	0.88	BDL*	42.38	18.59	37.25	29.26
12	10/11/2017	59.80	26.63	BDL*	BDL*	BDL*	BDL*	0.27	BDL*	21.49	5.47	30.35	26.51
13	14/11/2017	67.49	33.39	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	26.78	11.46	17.48	28.65
14	17/11/2017	83.58	42.69	BDL*	BDL*	BDL*	BDL*	0.33	BDL*	36.79	13.37	19.55	23.71
15	21/11/2017	47.32	17.33	BDL*	BDL*	BDL*	BDL*	0.13	BDL*	13.24	18.67	38.59	27.71
16	24/11/2017	60.42	30.56	BDL*	BDL*	BDL*	BDL*	0.23	BDL*	23.84	14.58	23.34	22.69
17	28/11/2017	56.33	19.44	BDL*	BDL*	BDL*	BDL*	0.74	BDL*	28.55	19.76	35.18	19.12
18	01/12/2017	51.18	23.80	BDL*	BDL*	BDL*	BDL*	0.76	BDL*	36.23	11.77	35.45	17.49
19	05/12/2017	40.60	15.28	BDL*	BDL*	BDL*	BDL*	0.57	BDL*	31.44	7.49	28.50	26.30
20	08/12/2017	65.40	27.69	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	24.85	14.58	18.65	21.63
21	12/12/2017	75.39	43.79	BDL*	BDL*	BDL*	BDL*	0.46	BDL*	23.65	10.57	30.70	26.39
22	15/12/2017	46.70	18.68	BDL*	BDL*	BDL*	BDL*	0.82	BDL*	16.77	13.68	20.30	23.64
23	19/12/2017	62.62	29.59	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	28.14	11.64	46.45	25.82
24	22/12/2017	57.81	22.80	BDL*	BDL*	BDL*	BDL*	0.61	BDL*	13.47	9.64	38.03	18.75
25	26/12/2017	49.40	19.49	BDL*	BDL*	BDL*	BDL*	0.95	BDL*	10.48	17.64	31.86	19.82
26	29/12/2017	59.32	32.38	BDL*	BDL*	BDL*	BDL*	0.19	BDL*	20.36	16.69	33.63	23.33
27	02/01/2018	80.68	46.92	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	20.60	8.29	25.72	18.31
28	05/01/2018	53.39	25.94	BDL*	BDL*	BDL*	BDL*	0.74	BDL*	31.49	5.68	29.20	25.29
29	09/01/2018	61.39	24.56	BDL*	BDL*	BDL*	BDL*	0.56	BDL*	11.48	14.61	32.46	21.75
30	12/01/2018	69.49	34.58	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	17.37	19.63	28.41	25.01
31	16/01/2018	42.86	17.67	BDL*	BDL*	BDL*	BDL*	0.26	BDL*	27.67	16.51	36.51	23.59
32	19/01/2018	52.52	20.46	BDL*	BDL*	BDL*	BDL*	0.76	BDL*	13.24	11.76	16.85	22.43
33	23/01/2018	66.53	31.20	BDL*	BDL*	BDL*	BDL*	0.19	BDL*	24.72	9.65	38.53	16.53
34	26/01/2018	49.38	15.56	BDL*	BDL*	BDL*	BDL*	0.89	BDL*	10.60	15.42	25.60	20.79
35	31/01/2018	63.40	30.10	BDL*	BDL*	BDL*	BDL*	0.27	BDL*	21.19	10.52	34.50	19.09
36	02/02/2018	76.68	39.02	BDL*	BDL*	BDL*	BDL*	0.17	BDL*	30.61	13.72	18.25	22.58
37	06/02/2018	56.31	31.71	BDL*	BDL*	BDL*	BDL*	0.26	BDL*	25.90	6.72	31.19	23.56
38	09/02/2018	49.29	25.36	BDL*	BDL*	BDL*	BDL*	0.27	BDL*	39.44	8.47	25.65	19.28
39	13/02/2018	74.22	21.90	BDL*	BDL*	BDL*	BDL*	0.57	BDL*	20.60	5.38	15.63	28.31
40	16/02/2018	68.39	44.60	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	42.38	15.49	19.56	25.38
41	20/02/2018	58.59	24.77	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	27.67	17.68	24.75	16.28
42	23/02/2018	65.33	36.80	BDL*	BDL*	BDL*	BDL*	0.84	BDL*	49.74	19.67	21.35	29.45
43	27/02/2018	52.40	22.83	BDL*	BDL*	BDL*	BDL*	0.14	BDL*	15.30	9.69	26.45	30.19

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44	02/03/2018	69.62	33.56	BDL*	BDL*	BDL*	BDL*	0.32	BDL*	14.51	12.44	20.37	17.65
45	06/03/2018	56.29	28.87	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	34.77	17.47	37.39	15.64
46	09/03/2018	66.08	38.62	BDL*	BDL*	BDL*	BDL*	0.48	BDL*	29.63	8.54	42.89	18.48
47	13/03/2018	53.58	23.81	BDL*	BDL*	BDL*	BDL*	0.38	BDL*	21.16	10.58	30.92	26.60
48	16/03/2018	62.31	36.16	BDL*	BDL*	BDL*	BDL*	0.52	BDL*	25.40	19.57	35.56	20.38
49	20/03/2018	72.38	33.14	BDL*	BDL*	BDL*	BDL*	0.45	BDL*	36.88	21.73	38.49	16.59
50	23/03/2018	58.62	25.94	BDL*	BDL*	BDL*	BDL*	0.26	BDL*	13.60	9.67	23.73	29.46
51	27/03/2018	74.50	36.87	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	26.30	15.59	27.62	30.29
52	30/03/2018	65.37	27.95	BDL*	BDL*	BDL*	BDL*	0.76	BDL*	10.28	5.55	16.99	21.37

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: -

- BDL*: Below Detection Limit: Ozone as O_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Lead as Pb ($\mu g/m^3$): 0.5
- BDL*: Below Detection Limit - Carbon Monoxide as CO (mg/m^3): 0.01
- BDL*: Below Detection Limit - Ammonia NH_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Benzene as C_6H_6 ($\mu g/m^3$): 2
- BDL*: Below Detection Limit - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
- BDL*: Below Detection Limit - Arsenic as As (ng/m^3): 2
- BDL*: Below Detection Limit - Nickel as Ni (ng/m^3): 10

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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	03/10/2017	57.22	27.62	BDL*	BDL*	BDL*	BDL*	0.23	BDL*	21.53	12.63	30.49	28.78
2	06/10/2017	61.43	24.69	BDL*	BDL*	BDL*	BDL*	0.81	BDL*	43.68	9.63	36.42	16.46
3	10/10/2017	59.23	35.57	BDL*	BDL*	BDL*	BDL*	0.92	BDL*	10.46	5.71	15.47	29.41
4	13/10/2017	70.88	44.36	BDL*	BDL*	BDL*	BDL*	0.55	BDL*	16.30	10.60	19.38	27.16
5	17/10/2017	55.32	23.43	BDL*	BDL*	BDL*	BDL*	0.38	BDL*	19.38	8.35	23.37	19.45
6	20/10/2017	68.58	37.66	BDL*	BDL*	BDL*	BDL*	0.30	BDL*	23.38	19.53	38.62	21.54
7	24/10/2017	80.21	45.61	BDL*	BDL*	BDL*	BDL*	0.21	BDL*	27.38	7.57	17.58	26.90
8	27/10/2017	74.20	48.54	BDL*	BDL*	BDL*	BDL*	0.32	BDL*	31.38	18.44	35.60	20.77
9	31/10/2017	45.38	25.53	BDL*	BDL*	BDL*	BDL*	0.71	BDL*	32.92	22.67	39.35	18.23
10	03/11/2017	75.82	35.57	BDL*	BDL*	BDL*	BDL*	0.14	BDL*	30.31	13.44	23.45	29.55
11	07/11/2017	70.78	38.50	BDL*	BDL*	BDL*	BDL*	0.22	BDL*	31.21	16.41	31.25	15.75
12	10/11/2017	53.39	19.67	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	23.48	14.76	27.63	19.47
13	14/11/2017	46.49	18.41	BDL*	BDL*	BDL*	BDL*	0.66	BDL*	36.85	20.47	35.66	26.30
14	17/11/2017	56.79	22.60	BDL*	BDL*	BDL*	BDL*	0.73	BDL*	48.15	7.63	32.51	30.63
15	21/11/2017	66.60	31.38	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	17.83	10.64	17.18	20.29
16	24/11/2017	51.19	20.50	BDL*	BDL*	BDL*	BDL*	0.26	BDL*	20.51	22.65	20.32	18.38
17	28/11/2017	61.48	23.43	BDL*	BDL*	BDL*	BDL*	0.65	BDL*	10.10	5.45	15.32	17.14
18	01/12/2017	68.38	34.48	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	28.42	17.57	29.39	26.45
19	05/12/2017	58.93	26.28	BDL*	BDL*	BDL*	BDL*	0.96	BDL*	38.70	5.74	32.29	28.60
20	08/12/2017	75.39	31.59	BDL*	BDL*	BDL*	BDL*	0.68	BDL*	30.54	26.74	22.84	17.46
21	12/12/2017	62.22	28.58	BDL*	BDL*	BDL*	BDL*	0.29	BDL*	37.49	24.36	36.92	21.11
22	15/12/2017	76.80	33.39	BDL*	BDL*	BDL*	BDL*	1.10	BDL*	26.00	7.47	41.88	24.45
23	19/12/2017	57.62	27.79	BDL*	BDL*	BDL*	BDL*	0.23	BDL*	20.26	14.67	39.76	27.45
24	22/12/2017	48.59	18.58	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	15.42	12.57	21.88	21.06
25	26/12/2017	63.40	29.08	BDL*	BDL*	BDL*	BDL*	0.89	BDL*	11.79	6.68	17.66	23.82
26	07/01/2018	49.09	24.69	BDL*	BDL*	BDL*	BDL*	0.37	BDL*	35.37	10.55	27.41	19.04
27	02/01/2018	64.19	30.72	BDL*	BDL*	BDL*	BDL*	0.17	BDL*	32.69	15.50	32.68	20.89
28	05/01/2018	72.41	37.49	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	16.64	7.51	24.49	19.71
29	09/01/2018	49.71	22.39	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	13.37	10.71	18.79	26.30
30	12/01/2018	50.41	26.36	BDL*	BDL*	BDL*	BDL*	0.33	BDL*	30.31	13.45	22.74	21.43
31	16/01/2018	61.38	28.41	BDL*	BDL*	BDL*	BDL*	0.85	BDL*	38.34	11.72	29.37	25.57
32	19/01/2018	76.50	35.82	BDL*	BDL*	BDL*	BDL*	0.69	BDL*	22.59	6.65	35.31	18.60
33	23/01/2018	59.18	19.84	BDL*	BDL*	BDL*	BDL*	0.14	BDL*	17.24	12.63	31.19	28.30
34	26/01/2018	62.39	32.39	BDL*	BDL*	BDL*	BDL*	0.80	BDL*	15.45	5.34	15.65	17.24
35	30/01/2018	79.01	34.61	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	25.56	23.65	19.51	24.41
36	02/02/2018	61.18	25.40	BDL*	BDL*	BDL*	BDL*	0.53	BDL*	43.69	22.76	38.35	24.91
37	06/02/2018	50.27	28.33	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	28.53	9.48	28.42	17.47
38	09/02/2018	62.40	34.98	BDL*	BDL*	BDL*	BDL*	0.24	BDL*	29.42	20.35	35.15	27.31
39	13/02/2018	68.61	32.93	BDL*	BDL*	BDL*	BDL*	0.52	BDL*	35.66	14.47	24.94	23.40
40	16/02/2018	54.30	29.46	BDL*	BDL*	BDL*	BDL*	0.69	BDL*	47.26	10.63	33.55	22.20
41	20/02/2018	48.32	20.55	BDL*	BDL*	BDL*	BDL*	0.13	BDL*	23.78	8.54	21.46	30.59
42	23/02/2018	57.22	33.52	BDL*	BDL*	BDL*	BDL*	0.21	BDL*	36.56	18.65	27.16	26.80
43	27/02/2018	64.49	26.36	BDL*	BDL*	BDL*	BDL*	0.37	BDL*	19.62	12.64	18.31	21.37

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44	02/03/2018	56.17	30.35	BDL*	BDL*	BDL*	BDL*	0.13	BDL*	10.48	15.46	28.68	20.45
45	06/03/2018	62.61	36.17	BDL*	BDL*	BDL*	BDL*	0.37	BDL*	29.94	10.57	21.09	22.51
46	09/03/2018	81.53	49.03	BDL*	BDL*	BDL*	10.21	0.29	BDL*	22.45	18.38	19.37	28.35
47	13/03/2018	59.31	24.56	BDL*	BDL*	BDL*	BDL*	0.34	BDL*	19.46	7.58	33.59	23.67
48	16/03/2018	71.39	40.41	BDL*	BDL*	BDL*	BDL*	0.74	BDL*	33.53	22.41	22.87	18.29
49	20/03/2018	53.63	23.46	BDL*	BDL*	BDL*	BDL*	0.23	BDL*	27.54	9.77	26.94	29.29
50	23/03/2018	67.49	39.52	BDL*	BDL*	BDL*	BDL*	0.15	BDL*	20.66	17.46	26.62	21.28
51	27/03/2018	79.58	43.54	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	15.57	5.71	17.06	15.28
52	30/03/2018	50.41	31.45	BDL*	BDL*	BDL*	BDL*	0.61	BDL*	24.55	15.65	38.18	25.21

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: -

- BDL*: Below Detection Limit: Ozone as O_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Lead as Pb ($\mu g/m^3$): 0.5
- BDL*: Below Detection Limit - Carbon Monoxide as CO (mg/m^3): 0.01
- BDL*: Below Detection Limit - Ammonia NH_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Benzene as C_6H_6 ($\mu g/m^3$): 2
- BDL*: Below Detection Limit - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
- BDL*: Below Detection Limit - Arsenic as As (ng/m^3): 2
- BDL*: Below Detection Limit - Nickel as Ni (ng/m^3): 10


Authorized Signatory

● FSSAI Approved Lab

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

● GPCB approved
schedule II auditor

● ISO 14001

● OHSAS 18001

● ISO 9001

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**Table No.: 1.6 - Ambient Air Quality Monitoring Results At S&S Entry Gate**

Sr. No.	Date of Sampling	Location-6: S&S Entry 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	03/10/2017	71.53	39.36	0.58	BDL*	BDL*	BDL*	0.53	BDL*	46.62	20.59	28.58	20.57
2	06/10/2017	82.47	35.59	BDL*	BDL*	BDL*	10.47	0.61	BDL*	29.75	17.52	39.35	22.81
3	10/10/2017	73.28	48.57	BDL*	BDL*	BDL*	BDL*	0.45	BDL*	19.02	11.62	30.40	18.44
4	13/10/2017	86.42	52.75	0.68	BDL*	2.36	10.56	0.66	BDL*	31.08	15.35	22.61	30.43
5	17/10/2017	76.53	32.66	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	42.74	12.41	31.51	28.27
6	20/10/2017	92.42	50.66	0.84	BDL*	2.84	10.29	0.76	BDL*	38.34	22.48	42.40	23.47
7	24/10/2017	53.33	24.70	BDL*	BDL*	BDL*	BDL*	1.03	BDL*	23.31	9.75	20.64	31.09
8	27/10/2017	95.79	56.52	0.76	BDL*	2.54	10.60	0.79	BDL*	35.27	25.50	45.60	27.52
9	31/10/2017	84.59	42.71	BDL*	BDL*	BDL*	BDL*	0.41	BDL*	45.39	19.54	35.25	25.34
10	03/11/2017	86.68	47.73	0.62	BDL*	2.15	10.27	0.72	BDL*	39.41	8.39	18.21	19.70
11	07/11/2017	95.30	54.43	0.72	BDL*	2.62	10.62	0.54	BDL*	48.30	22.42	42.52	27.60
12	10/11/2017	68.30	29.73	BDL*	BDL*	BDL*	BDL*	0.38	BDL*	52.45	18.53	34.50	23.65
13	14/11/2017	81.12	49.40	BDL*	BDL*	BDL*	BDL*	0.29	BDL*	50.04	17.67	31.16	16.38
14	17/11/2017	88.29	34.75	0.65	BDL*	2.33	10.83	0.81	BDL*	31.28	15.53	37.51	25.16
15	21/11/2017	93.40	45.64	0.76	BDL*	2.46	10.47	0.46	BDL*	40.60	26.51	20.53	30.56
16	24/11/2017	76.28	42.71	BDL*	BDL*	BDL*	BDL*	0.89	BDL*	47.41	16.41	40.05	28.61
17	28/11/2017	82.60	33.49	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	19.56	10.60	28.13	29.66
18	01/12/2017	75.57	38.39	BDL*	BDL*	BDL*	BDL*	0.48	BDL*	22.31	21.69	25.08	22.37
19	05/12/2017	65.82	29.39	BDL*	BDL*	BDL*	BDL*	0.32	BDL*	45.52	16.67	30.44	25.11
20	08/12/2017	78.63	42.79	BDL*	BDL*	BDL*	BDL*	0.36	BDL*	51.24	25.36	43.85	15.49
21	12/12/2017	93.61	54.60	0.58	BDL*	2.34	10.43	0.74	BDL*	36.27	22.54	24.87	23.38
22	15/12/2017	86.33	44.88	0.64	BDL*	2.76	10.70	0.52	BDL*	21.95	11.68	36.32	26.10
23	19/12/2017	90.41	48.19	0.71	BDL*	2.11	10.79	0.53	BDL*	54.26	24.39	34.99	27.99
24	22/12/2017	63.61	34.46	BDL*	BDL*	BDL*	BDL*	0.58	BDL*	29.54	12.58	27.29	30.48
25	26/12/2017	71.49	39.48	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	18.09	9.60	20.44	29.46
26	29/12/2017	84.48	49.95	BDL*	BDL*	BDL*	BDL*	0.24	BDL*	16.28	18.67	28.34	17.60
27	02/01/2018	96.29	56.77	0.58	BDL*	2.17	10.39	0.68	BDL*	31.11	17.78	21.60	30.67
28	05/01/2018	79.81	46.18	BDL*	BDL*	BDL*	BDL*	0.46	BDL*	19.26	19.55	40.25	27.51
29	09/01/2018	65.88	37.64	BDL*	BDL*	BDL*	BDL*	0.54	BDL*	25.48	21.40	35.50	22.81
30	12/01/2018	88.28	50.62	0.72	BDL*	2.46	10.52	0.22	BDL*	13.45	6.74	24.23	17.43
31	16/01/2018	74.22	30.27	BDL*	BDL*	BDL*	BDL*	0.29	BDL*	41.29	14.60	42.84	21.57
32	19/01/2018	85.40	42.37	BDL*	BDL*	BDL*	BDL*	0.37	BDL*	17.48	9.73	32.68	25.35
33	23/01/2018	94.61	51.75	0.66	BDL*	2.84	10.70	0.47	BDL*	46.23	22.56	45.45	29.59
34	26/01/2018	87.62	40.74	BDL*	BDL*	BDL*	BDL*	0.41	BDL*	21.63	8.74	23.51	24.73
35	30/01/2018	83.02	47.48	0.52	BDL*	2.52	BDL*	0.32	BDL*	43.56	20.56	37.42	28.69
36	02/02/2018	85.33	36.47	BDL*	BDL*	BDL*	10.42	0.78	BDL*	57.19	26.73	32.55	19.63
37	06/02/2018	64.88	35.50	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	49.19	20.37	36.64	21.44
38	09/02/2018	94.22	55.39	0.84	BDL*	2.56	10.32	0.48	BDL*	31.41	23.52	45.63	26.42
39	13/02/2018	81.18	38.02	0.68	BDL*	2.25	BDL*	0.46	BDL*	45.35	18.61	19.10	27.47
40	16/02/2018	78.63	41.74	BDL*	BDL*	BDL*	BDL*	0.76	BDL*	50.36	13.64	38.69	30.24
41	20/02/2018	89.61	39.19	0.56	BDL*	2.48	10.27	0.41	BDL*	62.52	19.42	41.44	24.14
42	23/02/2018	92.42	52.92	0.76	BDL*	BDL*	10.70	0.87	BDL*	56.60	11.57	44.20	18.56
43	27/02/2018	76.48	30.52	BDL*	BDL*	2.32	BDL*	0.73	BDL*	38.52	25.68	21.62	23.71



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44	02/03/2018	78.48	36.38	BDL*	BDL*	2.34	BDL*	0.98	BDL*	27.43	25.65	23.78	28.54
45	06/03/2018	82.10	43.63	BDL*	BDL*	BDL*	BDL*	0.76	BDL*	38.58	14.39	43.28	30.57
46	09/03/2018	90.30	48.78	0.56	BDL*	BDL*	10.93	0.65	BDL*	42.50	22.51	30.35	23.49
47	13/03/2018	67.80	31.53	BDL*	BDL*	BDL*	BDL*	0.50	BDL*	18.45	23.52	39.93	19.48
48	16/03/2018	87.62	47.06	0.76	BDL*	2.56	10.38	0.73	BDL*	51.54	12.58	27.66	25.48
49	20/03/2018	94.19	54.93	0.62	BDL*	2.84	10.82	0.80	BDL*	22.61	15.65	35.43	22.38
50	23/03/2018	80.52	44.46	0.54	BDL*	BDL*	BDL*	0.36	BDL*	43.71	20.56	32.41	20.25
51	27/03/2018	93.57	45.55	0.88	BDL*	2.47	10.24	0.90	BDL*	33.76	11.74	21.12	27.53
52	30/03/2018	79.19	37.56	BDL*	BDL*	BDL*	BDL*	0.70	BDL*	29.24	17.40	31.68	26.34

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: -

- BDL*: Below Detection Limit: Ozone as O_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Lead as Pb ($\mu g/m^3$): 0.5
- BDL*: Below Detection Limit - Carbon Monoxide as CO (mg/m^3): 0.01
- BDL*: Below Detection Limit - Ammonia NH_3 ($\mu g/m^3$): 10
- BDL*: Below Detection Limit - Benzene as C_6H_6 ($\mu g/m^3$): 2
- BDL*: Below Detection Limit - Benzo (a) Pyrene (BaP) - Particulate Phase only (ng/m^3): 0.5
- BDL*: Below Detection Limit - Arsenic as As (ng/m^3): 2
- BDL*: Below Detection Limit - Nickel as Ni (ng/m^3): 10

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

Table - 1 Ground Water Level & Quality Analysis (Piezometers) Results for the period: October-17 to March-18:-

3B.1 Near Sub Station-7B

S. No.	Parameter	Unit	Near Sub Station-7B					
			Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
1	Temperature	°C	29	30	30	29	30	32
2	pH	—	8.21	8.34	8.33	8.27	7.84	8.4
3	Total Dissolved Solids	mg/L	1176	1188	798	994	1696	1742
4	Salinity	ppt	0.39	0.69	0.22	0.445	0.19	0.48
5	Chloride as Cl	mg/L	218	383	136	260	266	280
6	Depth of Water Level from Ground Level	meter	2.8	6	2.2	2.1	2.2	2.2
7	Status of Tide**	—	High Tide	High Tide	High Tide	High Tide	High Tide	High Tide

3B.2 Near QHSE Office

S. No.	Parameter	Unit	Near QHSE Office					
			Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
1	Temperature	°C	30	29	29	28	29	31
2	pH	—	8.57	8.37	8.47	8.42	8.22	8.43
3	Total Dissolved Solids	mg/L	1050	1230	816	1024	836	914
4	Salinity	ppt	0.45	0.32	0.26	0.28	0.26	0.27
5	Chloride as Cl	mg/L	252	175	148	162	140	150
6	Depth of Water Level from Ground Level	meter	2.5	10	2.5	2.7	2.6	2.6
7	Status of Tide**	—	High Tide	High Tide	High Tide	High Tide	High Tide	High Tide

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

Table No.: 3C.1 - Sea Water (Surface & Bottom) Quality Analysis Results of sea water south side for the period: October 2017 to March 2018:-

S. N O.	TEST PARAMETER S	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE											
			OCT-17		NOV-17		DEC-17		JAN-18		FEB-18		MAR-18	
			Surface	Bottom	Surface	Bot to m	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	—	8.24	8.36	8.11	8.23	8.19	8.08	8.13	8.24	8.17	8.06	8.21	8.11
2	Temperature	°C	30	29	29	28	29.3	28.7	29	28.5	28.9	28.1	29.4	29.2
3	Total Suspended Solids	mg/L	90	80	110	88	160	194	126	148	240	198	172	156
4	BOD (3 Days @ 27 °C)	mg/L	6	5	7	4	5.8	5.2	5.4	5	7.2	5.8	8.4	7.2
5	Dissolved Oxygen	mg/L	5.9	5	6	5.6	5.7	4.8	5.2	4.6	6.2	5.9	6.1	5.5
6	Salinity	ppt	29.15	30.44	31.2	32.8	33.4	34.8	30.6	31.8	32.1	30.8	31.6	31.4
7	Oil & Grease	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
8	Nitrite as NO ₂	µmo/L	25.2	26.3	24.8	25.4	26.6	27.3	25.8	28.1	17.2	14.4	30.6	25.2
9	Nitrate as NO ₃	µmo/L	2.6	2.5	2.9	2.7	3.6	2.8	3.2	2.9	2.4	2.1	3.5	3.3
10	Ammonia/Nitrogen as NH ₃	µmo/L	1.28	1.62	1.14	1.58	2.7	2.4	1.56	1.84	1.9	1.6	3.1	2.8
11	Phosphates as PO ₄	µmo/L	1.93	1.38	1.76	1.22	1.94	1.17	2.02	1.37	2.15	2.08	2.36	2.22
12	Total Nitrogen	µmo/L	29.08	30.42	28.84	29.88	32.9	32.5	31.6	32.97	21.5	18.5	37.2	31.3
13	Petroleum Hydrocarbon	µg/L	10.8	1.6	11.2	1.5	13.4	11.2	12.5	8.4	17.8	10.2	23.6	18.2
14	Total Dissolved Solids	mg/L	33220	33910	30110	31080	29860	30350	32220	32960	34840	34112	33920	33680
15	COD	mg/L	20	16	18	14	22	12	24	18	30	25	38	32
A. Flora and Fauna														
16.1	Primary Productivity	mgC/L/day	1.72	0.664	1.64	0.552	1.96	0.741	1.59	0.482	2.1	0.8	1.45	0.6
B. Phytoplankton														
17.1	Chlorophyll	mg/m ³	1.44	0.55	1.28	0.47	1.51	0.62	1.66	0.72	2.1	0.78	1.4	0.3
17.2	Phaeophytin	mg/m ³	0.43	1.18	0.39	1.06	0.57	1.25	0.61	1.33	1.7	0.75	1.3	0.78
17.3	Cell Count	Unit x 10 ³ /L	180	70	164	64	174	88	156	75	240	110	170	90
17.4	Name of Group Number and name of group species of each group	—	Bacillariophyceae Navicula sp. Synedra sp. Nitzschia sp. Coscinodiscus sp. Solenastrea sp. Rhizosolenia sp. Fragilaria sp. Chaetoceros	Bacillariophyceae Nitzschia sp. Fragilaria sp. Melosira sp. Navicula sp.	Skeletonema Fragilaria sp. Nitzschia sp. Rhizosolenia sp.	Navicula sp. Melosira sp. Nitzschia sp.	Bacillariophyceae Amphiprora sp. Asterionella sp. Cyclotella sp. Gyrodinium sp. Nitzschia sp. Navicula sp. Pinnularia sp. Rhizosolenia sp.	Bacillariophyceae Coscinodiscus Asterionella sp. Melsira Syrinella Solenastrea Emel Ceratium Navicula Synedra	Bacillariophyceae Asterionella sp. Coscinodiscus sp. Nitzschia sp. Navicula sp.	Bacillariophyceae Pinnularia sp. Fragilaria sp.	Bacillariophyceae Asterionella sp. Navicula sp. Rhizosolenia sp. Amphiprora sp.	Bacillariophyceae Coscinodiscus Ceratium	Bacillariophyceae Nitzschia sp. Asterionella sp. Coscinodiscus sp.	Bacillariophyceae Melsira Pinnularia sp.

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C Zooplanktons							
18.1	Abundance (Population)	no./ liter	17	13	15	16	18
18.2	Name of Group Number and name of group species of each group	---	Nematodes Decapods Crustaceans	Crustaceans Isopods Nematodes	Gastropods Crustaceans ---	Isopods Decapods	Crustaceans Isopods
18.3	Total Biomass	mg/100 m ³	4.9	5.7	4.1	5.4	5.9
D Microbiological Parameters							
19.1	Total Bacterial Count	CFU/ml	1950	1890	1810	1760	1720
19.2	Total Coliform	/ml	Absent	Absent	Absent	Absent	Absent
19.3	E.coli	/ml	Absent	Absent	Absent	Absent	Absent
19.4	Enterococcus species	/ml	Absent	Absent	Absent	Absent	Absent
19.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent
19.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent
19.7	Vibrio species	/ml	Absent	Absent	Absent	Absent	Absent

BDL* - Below Detection Limit

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

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Table No.: 3C.2 - Sea Water (Surface & Bottom) Quality Analysis Results of Sea Water North Side for the period: October 2017 to March 2018:-

S. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE											
			OCT-17		NOV-17		DEC-17		JAN-18		FEB-18		MAR-18	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	-	8.21	8.29	8.14	8.22	7.83	7.98	8.01	8.11	8.22	8.17	8.15	8.02
2	Temperature	°C	29	28	30	29	29.3	30.1	29.4	30.3	28.8	28.6	29.4	29
3	Total Suspended Solids	mg/L	108	236	190	212	476	510	498	522	340	372	241	230
4	BOD (3 Days @ 27 °C)	mg/L	6	9	8	6	5.8	4.8	5.6	4.7	6.1	5.8	6.5	5.5
5	Dissolved Oxygen	mg/L	6	5.8	5.9	5.6	6	5.4	5.7	5.2	5.8	5.7	6.3	5.8
6	Salinity	ppt	28.96	32.3	29.3	30.7	27.02	27.72	28.64	31.96	31.2	31.4	30.9	31.2
7	Oil & Grease	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
8	Nitrate as NO ₃	µm ol/L	24.2	25.7	25.8	26.4	26.3	27.6	25.6	26.7	30.9	33.4	20.6	27.2
9	Nitrite as NO ₂	µm ol/L	2.1	2.3	2.2	2.5	2.8	1.9	2.6	2.1	3.1	2.8	2.4	2.5
10	Ammonical Nitrogen NH ₃	µm ol/L	1.55	1.32	1.71	1.56	2.63	2.03	2.14	1.97	3.12	2.9	2.85	2.6
11	Phosphates as PO ₄	µm ol/L	1.58	1.19	1.66	1.23	1.62	1.58	1.49	1.34	2.14	1.9	1.74	1.51
12	Total Nitrogen	µm ol/L	27.85	29.32	29.71	30.46	4.93	3.59	3.84	4.22	6.22	5.7	5.25	5.1
13	Petroleum Hydrocarbon	µg/L	10.6	BDL*	12.8	BDL*	14.8	0.1	13.4	0.2	18.8	7.2	10.6	3.4
14	Total Dissolved Solids	mg/L	32480	35070	33090	34550	30520	30980	32560	34750	34412	34620	33975	34210
15	COD	mg/L	20	14	17	13	15	9	18	11	28	22	30	26
A. Flora and Fauna														
16.1	Primary Productivity	mgC/L/day	1.84	0.8	2.02	0.9	1.78	1.01	1.93	0.7	1.75	1.34	1.9	1.1
B. Phytoplankton														
17.1	Chlorophyll	mg/m ³	2.32	0.412	1.93	0.334	2.53	1.6	1.86	1.14	1.7	1.3	1.45	0.9
17.2	Phaeophytin	mg/m ³	BDL*	1.6	BDL*	1.7	0.9	1.3	0.7	1.1	2.1	0.82	1.9	0.85
17.3	Cell Count	Unit x 10 ³ /L	180	40	206	54	118	72	152	66	210	90	240	85
17.4	Name of Group Number and name of group species of each group	-	Bacillariophyceae Navicula sp. Coscinodiscus sp. Nitzschia sp. Synechococcus sp. Cymbella sp. Cyclotella sp. Rhizosolenia sp.	Bacillariophyceae Fragilariopsis sp. Pinnularia sp. Melosira --	Bacillariophyceae Coscinodiscus sp. Nitzschia sp. Navicula sp. Nitzschia sp. Cyclotella sp.	Bacillariophyceae Pinnularia sp. Melosira sp. Navicula sp.	Bacillariophyceae Coscinodiscus sp. Nitzschia sp. Cymbella sp.	Bacillariophyceae Melosira sp. Pinnularia sp.	Bacillariophyceae Nitzschia sp. Cymbella sp. Rhizosolenia sp.	Bacillariophyceae Pinnularia sp. Melosira sp. Fragilariopsis sp.	Bacillariophyceae Cymbella sp. Coscinodiscus sp. Nitzschia sp.	Bacillariophyceae Melosira sp. Pinnularia sp.	Bacillariophyceae Nitzschia sp. Cymbella sp. Navicula sp.	Bacillariophyceae Pinnularia sp. Melosira sp.

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C Zooplanktons							
18.1	Abundance (Population)	no. of 100 ml	22	19	28	24	20
18.2	Name of Group Number and name of group species of each group	—	Mysids Nematodes Bivalves Polychaete worms	Polychaete worms Bivalves Nematodes —	Polychaete worms Mysids	Polychaete worms Mysids Nematodes Bivalves	Polychaete worms Nematodes
18.3	Total Biomass	mg/100 ml	4.3	—	4.9	5.6	6.1
D Microbiological Parameters							
19.1	Total Bacterial Count	CFU/ml	2400	2110	2530	2450	1950
19.2	Total Coliform	/ml	Absent	Absent	Absent	Absent	Absent
19.3	E.coli	/ml	Absent	Absent	Absent	Absent	Absent
19.4	Enterococcus species	/ml	Absent	Absent	Absent	Absent	Absent
19.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent
19.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent
19.7	Vibrio species	/ml	Absent	Absent	Absent	Absent	Absent

BDL* - Below Detection Limit

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

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3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis (South Side) Results for the period: October 2017 to March 2018:-

S. No	PARAMETERS	UNIT	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18
			16/10/2017	29/11/2017	19/12/2017	20/01/2018	13/02/2018	20/03/2018
1	Organic Matter	%	0.54	0.59	0.48	0.63	0.45	0.65
2	Phosphorus as P	µg/g	592	614	650	630	610	635
3	Texture	—	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy
4	Petroleum Hydrocarbon	µg/g	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
5	Heavy Metals							
5.1	Aluminum as Al	%	6.36	6.22	6.36	6.03	6.2	6.48
5.2	Total Chromium as Cr ⁺³	µg/g	140	155	186	148	198	218
5.3	Manganese as Mn	µg/g	1173	1056	1280	1136	1350	1620
5.4	Iron as Fe	%	5.2	4.8	5.87	5.6	5.12	5.25
5.5	Nickel as Ni	µg/g	29.04	34	39	34.6	44.6	57.8
5.6	Copper as Cu	µg/g	35.09	38	44	36	54	65
5.7	Zinc as Zn	µg/g	69.33	72	66	76	110	90
5.8	Lead as Pb	µg/g	10.67	12	16	14	9.8	10.4
5.9	Mercury as Hg	µg/g	0.533	0.112	0.2	0.106	0.19	0.14
6	Benthic Organisms							
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	—	Echinoderms Decapods Anthozians	Anthozians Echinoderms Decapods	Polychaete worms Krill Mysids	Echinoderms Anthozians	Decapods Anthozians	Echinoderms Decapods
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	—	Nematodes Foraminifera ns	Gastrotichies	Nematodes	Foraminifera ns	Nematodes	Gastrotichies
6.3	Population	no/m ²	380	370	410	350	440	372

BDL* - Below Detection Limit

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

Authorized Signatory



3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis Results (North Side) for the period: October 2017 to March 2018:-

S. No.	PARAMETERS	UNIT	OCT-17	NOV-17	DEC-17	JAN-18	FEB-18	MAR-18
			16/10/2017	29/11/2017	19/12/2017	20/01/2018	13/02/2018	20/03/2018
1	Organic Matter	%	0.402	0.374	0.468	0.396	0.52	0.49
2	Phosphorus as P	mg/kg	469	388	664	512	580	640
3	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy
4	Petroleum Hydrocarbon	mg/kg	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
5	Heavy Metals							
5.1	Aluminum as Al	%	6.48	7.1	6.67	6.72	5.9	5.75
5.2	Total Chromium as Cr ⁺³	mg/kg	135	146	210	154	192	216
5.3	Manganese as Mn	mg/kg	1091	1210	1460	1306	1480	1720
5.4	Iron as Fe	%	5.55	6.2	5.13	5.84	4.9	5.4
5.5	Nickel as Ni	mg/kg	33.03	40	42	36.6	52.6	44.2
5.6	Copper as Cu	mg/kg	27.2	36	54	40.4	37.2	49.7
5.7	Zinc as Zn	mg/kg	79.33	85	106	94	185	152
5.8	Lead as Pb	mg/kg	12	16	14	18	17.8	14.2
5.9	Mercury as Hg	mg/kg	0.3	0.1	0.2	0.4	0.25	0.18
6	Benthic Organisms							
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	-	Krill Mysids Polychaete worms	Mysids Polychaete worms Krill	Polychaete worms Mysids	Anthozians Echinoderms Decapods	Rhizosolenia sp. Green Algae	Chlorella sp. Oscillatoria sp.
6.2	Mesobenthos -- (No and name of groups present, No and name of species of each group present)	--	Gastrotroches Nematodes	Foraminifera ns	Nematodes	Nematodes	Foraminifera ns	Nematodes
6.3	Population	no/m ²	430	410	440	420	540	390

BDL* - Below Detection Limit

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

Authorized Signatory

**3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -****Table - Dump Pond Water Quality Analysis Results for the period: Oct - 2017 to Mar - 2018:-**

Results					
S. No	Test Parameters	Unit	Dump Pond (Near Rajiv Gandhi Statue)	Near J3	Near J8
1.	pH	—	7.12	7.48	7.52
2.	Total Dissolved Solids	mg/L	342	388	216
3.	Total Suspended Solids	mg/L	28	32	24
4.	Turbidity	NTU	0.82	0.61	0.55
5.	BOD (3 Days @ 27 °C)	mg/L	4.0	3	BDL*
6.	Dissolved Oxygen	mg/L	5.2	5.4	5.6
7.	COD	mg/L	12	9	6
8.	Salinity	ppt	0.025	0.065	0.05
9.	Oil & Grease	mg/L	BDL*	BDL*	BDL*
10.	Total Hardness as CaCO ₃	mg/L	160	196	110
11.	Fluoride as F	mg/L	BDL*	BDL*	BDL*
12.	Chloride as Cl	mg/L	14	36	28
13.	Zinc as Zn	mg/L	0.018	0.021	0.014
14.	Cadmium as Cd	mg/L	BDL*	BDL*	BDL*
15.	Lead as Pb	mg/L	BDL*	BDL*	BDL*
16.	Mercury as Hg	mg/L	BDL*	BDL*	BDL*

BDL*: Below Detection Limit

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



3F. STP TREATED WATER QUALITY ANALYSIS MONITORING: -

Table -STP Treated Water Quality Analysis Results for the period: Oct - 2017 to Mar - 2018:-

S. No.	Parameters	Unit	STP Treated Water Quality Analysis Results					
			Oct-17	Nov-17	Dec-17	Jan-18	Feb-18	Mar-18
1.	pH	--	8.33	7.16	7.03	7.56	6.84	7.9
2.	Total Suspended Solids	mg/L	20	28	22	24	28	22
3.	BOD (3 Days @ 27 °C)	mg/L	16	19	17	16	12	18
4.	Residual Free Chlorine	mg/L	0.7	0.7	0.6	0.6	0.6	0.6

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

Authorized Signatory



3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 1 - Behind QHSE Office Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	1 - Behind QHSE Office					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	02/10/2017	01/11/2017	01/12/2017	01/01/2018	02/02/2018	01/03/2018
6:00-7:00	46.3	49.9	43.4	47.7	42.4	60.8
7:00-8:00	53.3	52.6	66.2	63.5	62.5	65.0
8:00-9:00	45.7	61.7	48.0	59.3	52.7	54.8
9:00-10:00	45.8	62.8	55.5	57.0	56.6	59.3
10:00-11:00	49.2	65.8	64.4	62.4	68.9	69.1
11:00-12:00	60.2	51.3	53.0	50.9	48.1	55.4
12:00-13:00	52.6	46.4	44.3	45.5	43.0	47.4
13:00-14:00	50.3	57.9	54.1	58.3	44.4	51.9
14:00-15:00	57.1	43.3	41.3	52.1	49.2	42.8
15:00-16:00	55.3	58.7	52.3	54.7	53.0	57.1
16:00-17:00	44.2	48.7	45.9	43.8	50.6	46.0
17:00-18:00	40.5	63.6	50.4	65.6	64.9	66.7
18:00-19:00	66.2	56.4	59.7	51.0	63.0	52.0
19:00-20:00	53.2	50.0	58.0	60.4	41.8	61.4
20:00-21:00	64.1	59.4	68.3	56.1	61.8	58.1
21:00-22:00	58.1	47.4	49.2	55.7	45.7	63.8

Sampling Location	1 - Behind QHSE Office					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	02/10/2017 & 03/10/2017	01/11/2017 & 02/11/2017	01/12/2017 & 02/12/2017	01/01/2018 & 02/01/2018	02/02/2018 & 03/02/2018	01/03/2018 & 02/03/2018
22:00-23:00	55.1	40.7	42.6	49.6	46.2	45.1
23:00-00:00	39.4	42.8	38.8	45.5	44.4	46.7
00:00-01:00	45.2	41.0	44.2	38.0	40.6	48.6
01:00-02:00	41.5	43.9	35.9	36.7	37.5	40.6
02:00-03:00	46.6	36.0	40.3	39.5	38.6	42.4
03:00-04:00	50.2	39.1	41.1	44.6	42.6	54.3
04:00-05:00	47.9	44.4	39.4	42.9	48.3	59.0
05:00-06:00	39.1	46.4	49.4	41.8	45.0	47.2

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

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

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

Authorized Signatory



Tables - 2 - PMC Office Back Side Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	2 - PMC Office Back Side					
	During Day Time - Unit in dB (A)#					
	03/10/2017	02/11/2017	02/12/2017	02/01/2018	03/02/2018	02/03/2018
6:00-7:00	55.7	45.1	43.9	54.3	47.8	50.8
7:00-8:00	57.3	59.6	60.7	62.7	63.1	64.9
8:00-9:00	45.3	56.4	51.2	57.5	55.3	58.3
9:00-10:00	63.3	57.7	54.0	58.7	52.5	56.1
10:00-11:00	54.6	53.9	55.8	52.5	50.4	59.6
11:00-12:00	56.6	61.6	62.9	55.2	59.6	65.0
12:00-13:00	44.8	62.0	53.5	61.1	60.8	63.0
13:00-14:00	55.9	44.0	46.9	43.1	45.5	47.9
14:00-15:00	47.3	54.3	58.4	59.7	51.2	60.0
15:00-16:00	44.9	63.2	64.4	49.2	54.5	61.7
16:00-17:00	49.8	60.3	50.0	53.6	58.8	57.4
17:00-18:00	55.5	47.9	44.8	60.1	43.4	46.9
18:00-19:00	61.3	49.0	47.1	50.9	48.1	52.2
19:00-20:00	50.7	58.9	52.8	51.2	53.9	55.1
20:00-21:00	52.4	51.7	49.1	48.9	61.2	53.4
21:00-22:00	59.1	55.9	48.9	56.0	57.9	51.2

Sampling Location	2 - PMC Office Back Side					
	During Night Time - Unit in dB (A)#					
	03/10/2017 & 04/10/2017	02/11/2017 & 03/11/2017	02/12/2017 & 03/12/2017	02/01/2018 & 03/01/2018	03/02/2018 & 04/02/2018	02/03/2018 & 03/03/2018
22:00-23:00	41.1	55.0	43.8	47.0	44.8	56.4
23:00-00:00	47.4	48.2	45.5	43.7	41.7	38.8
00:00-01:00	41.2	47.9	53.7	59.1	52.4	57.0
01:00-02:00	44.1	46.1	49.3	56.6	48.1	58.4
02:00-03:00	44.8	45.1	51.1	54.2	50.2	55.4
03:00-04:00	42.2	51.9	48.7	50.7	56.4	53.2
04:00-05:00	40.6	49.2	44.4	46.0	45.3	50.5
05:00-06:00	41.3	39.0	47.5	42.1	40.1	54.7

#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.

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

Authorized Signatory



Tables - 3 - Sub Station - 6 Back Side Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	3 - Sub Station - 6 Back Side					
	During Day Time - Unit in dB (A)#					
	04/10/2017	03/11/2017	04/12/2017	04/01/2018	05/02/2018	03/03/2018
6:00-7:00	55.6	46.9	40.2	47.5	48.3	56.7
7:00-8:00	46.4	50.8	45.7	49.2	44.1	55.1
8:00-9:00	54.9	58.4	56.6	48.0	59.1	52.7
9:00-10:00	50.5	52.2	53.4	45.8	54.5	58.1
10:00-11:00	51.2	47.5	43.4	44.0	46.6	42.3
11:00-12:00	57.6	59.0	54.3	56.7	61.1	49.2
12:00-13:00	45.9	44.4	48.3	46.5	43.6	40.2
13:00-14:00	54.5	45.0	41.4	51.1	47.6	48.2
14:00-15:00	56.3	41.7	44.4	40.1	45.1	50.4
15:00-16:00	52.2	48.8	55.4	62.8	50.0	54.9
16:00-17:00	50.6	54.2	49.5	53.9	60.1	57.1
17:00-18:00	43.2	51.1	50.9	55.5	53.8	63.1
18:00-19:00	46.5	53.5	52.9	54.8	55.7	47.8
19:00-20:00	47.8	55.2	57.3	60.2	56.7	59.9
20:00-21:00	57.7	56.2	58.4	50.6	49.8	51.3
21:00-22:00	52.3	49.3	47.6	39.0	42.2	43.8

Sampling Location	3 - Sub Station - 6 Back Side					
	During Night Time - Unit in dB (A)#					
	04/10/2017 & 05/10/2017	03/11/2017 & 04/11/2017	04/12/2017 & 05/12/2017	04/01/2018 & 05/01/2018	05/02/2018 & 06/02/2018	03/03/2018 & 04/03/2018
22:00-23:00	37.5	49.6	46.0	44.0	41.9	47.6
23:00-00:00	44.2	52.6	51.9	48.6	49.7	46.6
00:00-01:00	35.1	46.4	53.5	50.7	52.7	48.9
01:00-02:00	45.1	56.0	49.4	52.4	54.6	53.1
02:00-03:00	38.2	53.3	41.6	45.7	55.2	44.1
03:00-04:00	43.8	42.7	50.0	46.6	45.0	54.5
04:00-05:00	44.6	47.6	45.5	43.2	42.4	56.9
05:00-06:00	43.6	50.6	52.3	49.5	51.2	55.6

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

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

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

Authorized Signatory



Tables - 4 -Sub Station - 8 (Marine Building) Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq, dB (A) for the period: October 2017 to March 2018:

Sampling Location	4 -Sub Station - 8 (Marine Building)					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	05/10/2017	04/11/2017	05/12/2017	05/01/2018	06/02/2018	05/03/2018
6:00-7:00	48.6	50.7	41.9	44.0	43.9	45.2
7:00-8:00	55.2	64.1	65.2	58.1	60.5	66.3
8:00-9:00	59.9	53.2	52.0	54.4	50.7	51.7
9:00-10:00	57.4	47.2	59.6	55.4	46.0	49.5
10:00-11:00	64.3	70.1	66.7	69.0	72.9	73.6
11:00-12:00	58.8	54.8	53.2	57.5	52.1	56.4
12:00-13:00	45.6	63.3	62.7	64.1	61.7	53.5
13:00-14:00	51.3	57.5	55.5	60.3	56.7	58.9
14:00-15:00	55.8	56.8	54.6	53.6	57.9	65.8
15:00-16:00	56.1	55.4	48.2	52.0	42.8	50.8
16:00-17:00	54.2	46.6	43.7	41.5	45.2	55.5
17:00-18:00	63.9	51.3	44.4	56.2	54.5	61.9
18:00-19:00	43.8	44.6	63.1	40.5	53.6	54.9
19:00-20:00	64.9	48.8	49.6	51.4	41.4	52.1
20:00-21:00	53.6	49.7	61.4	59.9	51.9	60.6
21:00-22:00	61.2	41.1	42.9	43.9	48.9	47.6

Sampling Location	4 -Sub Station - 8 (Marine Building)					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	05/10/2017 & 06/10/2017	04/11/2017 & 05/11/2017	05/12/2017 & 06/12/2017	05/01/2018 & 06/01/2018	06/02/2018 & 07/02/2018	05/03/2018 & 06/03/2018
22:00-23:00	35.2	39.9	42.9	44.8	45.4	40.0
23:00-00:00	40.2	43.3	48.7	45.6	49.2	46.1
00:00-01:00	47.7	45.1	53.9	50.7	52.1	43.0
01:00-02:00	39.2	35.1	37.2	38.6	36.0	41.1
02:00-03:00	40.8	48.9	45.4	47.2	46.5	44.6
03:00-04:00	51.3	42.6	43.7	41.8	44.6	47.7
04:00-05:00	50.6	51.1	49.3	46.5	53.7	59.6
05:00-06:00	52.2	38.6	41.1	39.5	42.6	45.2

#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.

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

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Tables - 5 - Near Sub Station-7B Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	5 - Near Sub Station-7B					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	06/10/2017	06/11/2017	06/12/2017	06/01/2018	07/02/2018	06/03/2018
6:00-7:00	44.6	66.1	54.4	50.6	56.5	51.9
7:00-8:00	53.9	62.1	51.5	52.5	55.3	59.9
8:00-9:00	62.3	48.7	44.5	46.7	45.7	57.7
9:00-10:00	52.8	53.7	55.7	59.3	54.1	65.0
10:00-11:00	66.8	44.1	49.8	41.4	47.7	56.5
11:00-12:00	57.5	65.2	61.0	53.5	44.4	63.7
12:00-13:00	70.1	64.9	52.1	51.6	60.9	55.1
13:00-14:00	61.8	58.7	56.0	60.0	48.2	62.7
14:00-15:00	46.9	52.3	59.1	58.3	50.8	54.2
15:00-16:00	49.7	41.5	47.6	42.6	46.8	43.2
16:00-17:00	50.8	67.6	53.0	56.9	51.7	49.0
17:00-18:00	56.2	63.9	57.4	43.8	42.1	52.8
18:00-19:00	57.8	59.8	64.1	61.1	63.5	70.6
19:00-20:00	53.1	69.5	50.3	62.4	41.4	68.9
20:00-21:00	49.6	45.9	62.3	44.4	57.3	69.0
21:00-22:00	54.3	68.1	46.6	48.4	43.6	64.3

Sampling Location	5 - Near Sub Station-7B					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	06/10/2017 & 07/10/2017	06/11/2017 & 07/11/2017	06/12/2017 & 07/12/2017	06/01/2018 & 07/01/2018	07/02/2018 & 08/02/2018	06/03/2018 & 07/03/2018
22:00-23:00	43.2	42.5	38.2	41.3	39.7	54.7
23:00-00:00	49.6	38.1	53.8	45.9	52.8	42.0
00:00-01:00	44.9	48.5	47.5	52.8	46.1	55.4
01:00-02:00	52.1	51.4	44.3	49.6	45.6	50.7
02:00-03:00	51.2	43.0	56.1	44.7	54.1	53.2
03:00-04:00	42.6	44.0	46.8	40.4	43.1	57.0
04:00-05:00	36.2	39.3	41.7	35.1	40.2	48.3
05:00-06:00	47.3	49.1	45.3	48.2	44.6	39.8

#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 - 6 - JS - 1 (Nr. Lakhigam) Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:**

Sampling Location	6 - JS - 1 (Nr. Lakhigam)					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	09/10/2017	07/11/2017	07/12/2017	07/01/2018	08/02/2018	07/03/2018
6:00-7:00	48.5	59.8	56.8	60.4	57.5	69.8
7:00-8:00	53.4	61.3	59.7	64.4	50.1	42.7
8:00-9:00	43.3	64.8	60.7	63.8	65.4	66.2
9:00-10:00	54.2	51.9	55.4	53.9	58.0	52.5
10:00-11:00	53.1	52.8	65.7	49.9	67.6	60.0
11:00-12:00	64.4	56.2	47.1	52.2	54.5	45.7
12:00-13:00	66.4	60.2	57.1	59.9	62.3	68.8
13:00-14:00	53.6	54.8	61.3	56.3	52.1	58.2
14:00-15:00	62.2	67.1	63.9	69.3	61.8	44.1
15:00-16:00	49.7	58.4	54.3	57.8	63.1	56.2
16:00-17:00	59.2	47.6	49.3	58.8	48.0	41.8
17:00-18:00	55.3	45.0	58.1	50.6	45.6	43.1
18:00-19:00	44.4	48.2	52.6	61.6	56.5	53.5
19:00-20:00	57.8	53.2	42.9	55.6	51.5	54.4
20:00-21:00	52.1	55.0	48.5	51.4	47.5	59.4
21:00-22:00	50.3	49.8	45.4	48.4	44.4	57.6

Sampling Location	6 - JS - 1 (Nr. Lakhigam)					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	09/10/2017 & 10/10/2017	07/11/2017 & 08/11/2017	07/12/2017 & 08/12/2017	07/01/2018 & 08/01/2018	08/02/2018 & 09/02/2018	07/03/2018 & 08/03/2018
22:00-23:00	51.2	38.9	36.2	43.0	35.9	37.1
23:00-00:00	55.5	50.1	47.7	45.5	39.9	41.9
00:00-01:00	44.3	47.0	42.4	48.6	45.7	43.7
01:00-02:00	50.4	48.9	49.2	55.2	52.6	53.9
02:00-03:00	42.2	64.3	62.0	60.2	63.0	61.6
03:00-04:00	34.6	45.3	48.4	51.0	47.2	54.6
04:00-05:00	44.4	41.2	45.8	40.4	46.6	52.9
05:00-06:00	54.7	51.7	55.8	50.4	53.8	57.5

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

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

Tables - 7 - Behind S.S. - 11 (Silo) Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Authorized Signatory



Sampling Location	7 - Behind S.S. - 11 (Silo)					
	During Day Time - Unit in dB (A)#					
	Date of Monitoring	10/10/2017	08/11/2017	08/12/2017	08/01/2018	09/02/2018
6:00-7:00	54.6	52.4	51.0	53.4	57.9	47.0
7:00-8:00	46.6	66.3	59.0	62.5	63.8	68.8
8:00-9:00	45.4	46.2	61.0	49.8	47.5	48.8
9:00-10:00	54.9	55.1	45.6	51.6	48.3	57.2
10:00-11:00	64.2	48.9	52.8	47.0	51.4	55.8
11:00-12:00	58.1	49.6	48.7	68.9	56.6	52.7
12:00-13:00	64.5	58.2	60.7	65.1	59.0	63.0
13:00-14:00	66.5	47.4	55.2	57.7	54.2	56.9
14:00-15:00	63.3	60.4	67.8	64.3	50.2	65.8
15:00-16:00	60.4	73.0	70.5	74.7	72.4	71.0
16:00-17:00	62.3	56.7	66.5	54.0	61.7	67.6
17:00-18:00	71.8	59.7	47.7	50.9	65.5	58.5
18:00-19:00	60.9	51.5	53.4	55.2	52.3	54.3
19:00-20:00	47.2	53.1	54.3	56.7	58.0	44.6
20:00-21:00	42.2	61.3	69.1	58.8	53.2	60.8
21:00-22:00	56.3	54.7	58.1	52.8	64.7	43.6

Sampling Location	7 - Behind S.S. - 11 (Silo)					
	During Night Time - Unit in dB (A)#					
	10/10/2017 & 11/10/2017	08/11/2017 & 09/11/2017	08/12/2017 & 09/12/2017	08/01/2018 & 09/01/2018	09/02/2018 & 10/02/2018	08/03/2018 & 09/03/2018
Date of Monitoring						
22:00-23:00	38.5	46.0	49.3	45.3	47.3	48.9
23:00-00:00	43.2	51.1	52.2	48.1	41.4	50.4
00:00-01:00	41.2	48.3	47.4	50.5	46.9	45.1
01:00-02:00	43.6	47.5	44.1	41.1	45.2	42.3
02:00-03:00	51.1	45.3	42.8	44.7	48.4	43.4
03:00-04:00	44.6	38.9	45.6	39.5	43.6	49.2
04:00-05:00	44.5	41.7	50.4	37.3	40.6	55.9
05:00-06:00	53.2	49.1	43.5	46.4	42.6	54.7

*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 - 8 - Near S & S Entry Gate (Dahej Road) Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	8 - Near S & S Entry Gate (Dahej Road)					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	11/10/2017	09/11/2017	09/12/2017	09/01/2018	10/02/2018	09/03/2018
6:00-7:00	50.2	58.0	60.4	56.4	59.1	57.5
7:00-8:00	53.8	50.1	56.2	48.7	57.6	49.6
8:00-9:00	51.3	54.6	55.9	62.4	49.4	52.6
9:00-10:00	47.9	46.8	52.6	45.8	48.2	42.4
10:00-11:00	45.8	59.6	53.4	55.9	54.2	58.3
11:00-12:00	59.5	40.7	44.5	41.8	42.3	48.7
12:00-13:00	54.3	41.3	46.5	43.0	56.2	44.6
13:00-14:00	58.9	48.4	54.9	51.5	52.4	55.6
14:00-15:00	60.2	52.6	57.2	50.8	55.7	53.4
15:00-16:00	63.2	45.6	43.1	47.7	41.1	46.6
16:00-17:00	64.9	47.8	42.9	49.2	45.6	43.5
17:00-18:00	47.3	55.7	62.4	52.7	53.5	54.1
18:00-19:00	49.9	56.3	59.2	53.2	58.6	60.2
19:00-20:00	65.2	51.1	58.9	44.5	46.8	47.0
20:00-21:00	55.4	49.0	50.4	46.4	51.5	45.3
21:00-22:00	50.7	57.6	45.6	54.9	47.7	51.2

Sampling Location	8 - Near S & S Entry Gate (Dahej Road)					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	11/10/2017 & 12/10/2017	09/11/2017 & 10/11/2017	09/12/2017 & 10/12/2017	09/01/2018 & 10/01/2018	10/02/2018 & 11/02/2018	09/03/2018 & 10/03/2018
22:00-23:00	50.9	55.3	45.3	41.3	47.4	48.6
23:00-00:00	52.4	41.9	42.6	44.4	45.8	43.4
00:00-01:00	42.3	48.2	43.5	47.0	41.1	58.7
01:00-02:00	52.6	39.6	47.8	40.3	43.4	41.2
02:00-03:00	43.3	45.2	44.0	48.5	42.9	50.2
03:00-04:00	50.5	43.4	46.3	42.7	49.6	44.5
04:00-05:00	41.9	42.3	48.7	39.4	50.4	54.6
05:00-06:00	44.7	47.9	41.4	45.8	40.4	46.6

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

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

Observations: 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 Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	9 - GCPTL Gate					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	12/10/2017	10/11/2017	11/12/2017	11/01/2018	12/02/2018	10/03/2018
6:00-7:00	45.6	41.2	47.9	42.1	43.4	46.0
7:00-8:00	45.5	63.6	60.4	50.3	51.4	52.6
8:00-9:00	47.5	62.8	63.0	65.7	67.6	61.9
9:00-10:00	46.1	59.8	53.7	57.4	58.6	44.1
10:00-11:00	55.6	51.1	50.7	47.6	48.0	53.9
11:00-12:00	51.5	57.6	52.3	58.7	59.4	56.6
12:00-13:00	42.1	40.9	43.5	41.6	45.9	48.0
13:00-14:00	53.2	49.5	39.8	40.1	38.3	41.4
14:00-15:00	71.2	56.4	61.9	55.8	64.7	58.6
15:00-16:00	55.8	50.2	56.2	53.5	57.6	54.2
16:00-17:00	55.9	52.0	44.7	45.9	46.1	50.0
17:00-18:00	45.2	54.6	48.5	56.3	53.8	55.1
18:00-19:00	57.3	69.9	65.4	68.4	63.7	67.1
19:00-20:00	52.2	43.4	45.3	46.8	44.8	42.2
20:00-21:00	53.3	60.3	59.3	52.3	55.2	51.5
21:00-22:00	56.8	55.1	49.7	54.2	52.2	57.1

Sampling Location	9 - GCPTL Gate					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	12/10/2017 & 13/10/2017	10/11/2017 & 11/11/2017	11/12/2017 & 12/12/2017	11/01/2018 & 12/01/2018	12/02/2018 & 13/02/2018	10/03/2018 & 11/03/2018
22:00-23:00	39.2	49.3	46.2	42.5	47.4	53.4
23:00-00:00	40.3	44.7	42.1	41.6	39.2	45.9
00:00-01:00	41.6	47.3	50.8	46.1	44.7	54.3
01:00-02:00	43.5	54.3	56.1	52.8	57.4	50.4
02:00-03:00	40.4	39.8	44.7	48.8	51.3	42.5
03:00-04:00	47.7	45.2	51.9	44.4	43.3	41.5
04:00-05:00	41.4	46.8	45.8	47.9	49.4	56.2
05:00-06:00	45.8	50.3	47.1	49.1	46.5	43.7

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

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

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

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Tables - 10 - Lakhi Village (Primary School) Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq, dB (A) for the period: October 2017 to March 2018:

Sampling Location	10 - Lakhi Village (Primary School)					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	13/10/2017	11/11/2017	12/12/2017	12/01/2018	13/02/2018	12/03/2018
6:00-7:00	49.3	59.0	42.6	57.9	60.8	69.0
7:00-8:00	57.2	54.6	58.4	59.9	61.9	62.2
8:00-9:00	65.9	60.8	56.0	58.2	57.8	68.5
9:00-10:00	61.4	53.6	54.4	55.3	56.8	65.5
10:00-11:00	62.8	52.3	59.9	54.5	58.8	55.4
11:00-12:00	56.4	50.6	53.2	65.4	51.7	54.6
12:00-13:00	55.1	57.3	50.7	64.9	53.2	56.1
13:00-14:00	63.8	55.3	65.0	62.6	50.6	64.9
14:00-15:00	53.9	62.5	61.6	63.2	43.1	59.7
15:00-16:00	49.6	47.3	43.4	45.0	44.0	50.5
16:00-17:00	51.1	49.4	44.5	52.1	45.9	46.7
17:00-18:00	60.6	56.3	46.5	51.0	55.8	57.6
18:00-19:00	56.2	58.1	55.1	53.7	54.2	52.7
19:00-20:00	67.6	63.2	60.4	61.1	52.1	66.6
20:00-21:00	64.8	51.9	48.1	46.9	47.2	58.8
21:00-22:00	52.7	61.9	47.9	49.9	46.3	67.4

Sampling Location	10 - Lakhi Village (Primary School)					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	13/10/2017 & 14/10/2017	11/11/2017 & 12/11/2017	12/12/2017 & 13/12/2017	12/01/2018 & 13/01/2018	13/02/2018 & 14/02/2018	12/03/2018 & 13/03/2018
22:00-23:00	38.2	45.5	62.6	42.9	63.7	54.8
23:00-00:00	46.6	47.2	50.8	55.3	51.3	52.4
00:00-01:00	52.8	39.5	37.8	43.7	36.9	51.3
01:00-02:00	58.4	60.8	48.7	63.4	47.2	66.6
02:00-03:00	39.3	38.3	53.6	41.4	52.8	44.4
03:00-04:00	41.8	43.1	44.0	49.1	46.2	57.9
04:00-05:00	44.8	53.8	63.6	47.1	50.6	62.2
05:00-06:00	55.6	44.4	49.1	53.6	48.4	43.5

*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.

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

Authorized Signatory



Tables -11 - ERMS Workshop Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	11 - ERMS Workshop					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	16/10/2017	13/11/2017	13/12/2017	13/01/2018	14/02/2018	13/03/2018
6:00-7:00	46.7	54.2	42.4	55.4	50.0	47.2
7:00-8:00	58.4	46.0	53.8	57.0	44.6	54.6
8:00-9:00	43.4	53.7	62.8	51.0	59.7	52.4
9:00-10:00	55.3	58.2	65.2	50.8	61.7	51.5
10:00-11:00	48.4	60.6	49.8	59.7	58.7	56.3
11:00-12:00	55.6	56.9	51.3	53.1	52.1	61.4
12:00-13:00	45.3	59.3	52.7	60.1	64.0	49.5
13:00-14:00	51.1	63.1	41.3	47.4	48.5	57.1
14:00-15:00	50.2	51.8	57.4	52.0	60.9	45.7
15:00-16:00	51.9	42.5	48.7	45.8	47.9	44.5
16:00-17:00	53.8	61.2	55.7	58.3	62.5	60.8
17:00-18:00	44.2	57.5	50.0	56.8	46.6	58.4
18:00-19:00	48.5	49.2	45.1	54.1	53.5	46.7
19:00-20:00	55.1	47.5	54.6	46.7	56.8	50.2
20:00-21:00	60.1	55.2	67.6	61.8	54.0	53.1
21:00-22:00	54.9	52.5	43.0	44.3	41.4	48.5

Sampling Location	11 - ERMS Workshop					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	16/10/2017 & 17/10/2017	13/11/2017 & 14/11/2017	13/12/2017 & 14/12/2017	13/01/2018 & 14/01/2018	14/02/2018 & 15/02/2018	13/03/2018 & 14/03/2018
22:00-23:00	41.7	37.5	36.3	44.1	35.2	38.1
23:00-00:00	51.8	43.2	45.2	41.9	47.3	50.8
00:00-01:00	50.2	42.2	46.6	49.8	45.4	44.2
01:00-02:00	44.6	40.8	38.7	42.6	37.7	39.4
02:00-03:00	52.2	46.7	48.9	50.6	43.4	47.0
03:00-04:00	44.7	47.0	43.7	45.6	54.9	46.3
04:00-05:00	41.8	45.0	40.6	43.5	42.2	36.5
05:00-06:00	50.1	44.6	42.5	47.9	46.7	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.

Authorized Signatory

**Tables - 12 - Behind Pump House Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:**

Sampling Location	12 - Behind Pump House					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	17/10/2017	14/11/2017	14/12/2017	14/01/2018	15/02/2018	14/03/2018
6:00-7:00	42.5	62.0	65.6	70.6	59.4	52.4
7:00-8:00	46.6	51.1	49.1	50.3	48.6	54.9
8:00-9:00	52.3	54.8	47.5	60.8	57.5	53.0
9:00-10:00	54.3	60.6	55.0	53.8	50.9	57.3
10:00-11:00	49.9	59.0	62.6	61.3	60.5	63.0
11:00-12:00	56.6	65.6	63.5	57.8	55.4	58.9
12:00-13:00	63.9	55.2	58.5	66.7	56.2	49.3
13:00-14:00	57.7	43.1	46.1	45.9	47.1	48.4
14:00-15:00	56.7	47.1	61.4	48.7	44.0	51.5
15:00-16:00	60.8	57.8	53.9	55.3	54.8	59.9
16:00-17:00	61.6	50.6	51.9	64.2	52.6	62.2
17:00-18:00	55.2	64.6	57.6	56.2	53.7	60.9
18:00-19:00	54.2	52.3	56.6	51.7	40.3	65.7
19:00-20:00	45.8	44.9	42.2	58.4	43.2	50.5
20:00-21:00	60.7	63.2	59.4	62.9	68.9	66.3
21:00-22:00	58.7	49.9	50.3	63.0	51.7	56.0

Sampling Location	12 - Behind Pump House					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	17/10/2017 & 18/10/2017	14/11/2017 & 15/11/2017	14/12/2017 & 15/12/2017	14/01/2018 & 15/01/2018	15/02/2018 & 16/02/2018	14/03/2018 & 15/03/2018
22:00-23:00	44.2	42.5	45.8	41.9	52.7	53.5
23:00-00:00	49.8	40.0	42.2	44.9	41.2	43.0
00:00-01:00	49.1	52.4	43.1	45.8	42.4	50.5
01:00-02:00	43.8	46.5	47.5	40.8	48.0	56.7
02:00-03:00	47.2	43.0	41.8	53.1	40.3	54.8
03:00-04:00	42.2	44.9	49.8	46.8	50.4	57.7
04:00-05:00	39.2	54.2	52.8	50.6	51.2	55.4
05:00-06:00	52.6	53.4	55.2	59.0	46.4	62.0

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

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

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

Authorized Signatory



Tables - 13 - Rock Bond Approach (Jetty) Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	13 - Rock Bond Approach (Jetty)					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	18/10/2017	15/11/2017	15/12/2017	15/01/2018	16/02/2018	15/03/2018
6:00-7:00	55.4	51.2	50.3	57.5	56.8	52.8
7:00-8:00	53.3	46.8	44.0	56.8	51.7	58.1
8:00-9:00	50.8	47.2	48.4	49.7	60.6	46.8
9:00-10:00	44.3	48.7	51.1	46.8	54.5	43.6
10:00-11:00	60.6	61.8	62.0	52.4	58.0	45.4
11:00-12:00	49.5	50.6	55.3	61.4	62.7	42.3
12:00-13:00	65.5	45.6	49.7	58.0	48.7	47.3
13:00-14:00	57.8	56.2	61.5	59.6	63.3	54.1
14:00-15:00	54.7	64.0	53.2	55.3	47.8	56.0
15:00-16:00	51.4	70.0	65.0	69.4	46.0	59.9
16:00-17:00	58.5	43.4	41.4	60.6	61.5	62.6
17:00-18:00	58.3	68.9	67.4	62.9	59.8	66.3
18:00-19:00	55.9	54.4	56.8	53.3	57.9	40.4
19:00-20:00	56.2	39.1	43.9	41.0	42.7	44.5
20:00-21:00	65.3	41.9	45.4	47.9	50.2	48.0
21:00-22:00	56.3	49.2	52.2	51.3	55.5	53.4

Sampling Location	13 - Rock Bond Approach (Jetty)					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	18/10/2017 & 19/10/2017	15/11/2017 & 16/11/2017	15/12/2017 & 16/12/2017	15/01/2018 & 16/01/2018	16/02/2018 & 17/02/2018	15/03/2018 & 16/03/2018
22:00-23:00	43.3	44.3	41.1	45.9	42.0	51.9
23:00-00:00	50.4	59.8	55.0	56.5	54.0	58.0
00:00-01:00	61.3	50.0	51.0	49.4	48.7	54.3
01:00-02:00	35.5	51.9	50.1	53.0	49.2	56.3
02:00-03:00	41.1	46.0	44.7	43.0	47.7	40.8
03:00-04:00	44.5	37.6	40.1	38.3	35.0	39.9
04:00-05:00	47.1	45.4	43.3	39.2	44.6	42.6
05:00-06:00	53.5	42.3	39.1	41.1	45.5	43.2

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

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

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

Authorized Signatory



Tables -14 - New Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	14 - New Gate					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	19/10/2017	16/11/2017	16/12/2017	16/01/2018	17/02/2018	16/03/2018
6:00-7:00	43.3	53.3	56.3	63.9	61.2	60.1
7:00-8:00	50.6	60.6	63.7	55.8	62.2	64.4
8:00-9:00	43.6	55.8	52.2	59.7	50.9	53.2
9:00-10:00	45.9	62.1	64.9	58.8	60.8	59.2
10:00-11:00	66.4	46.3	50.7	47.4	49.0	52.1
11:00-12:00	53.5	58.8	54.7	56.6	55.7	47.5
12:00-13:00	55.5	51.6	61.1	60.0	54.4	50.4
13:00-14:00	50.5	63.7	66.3	65.9	67.7	58.8
14:00-15:00	51.5	57.3	49.6	50.3	56.5	48.5
15:00-16:00	59.9	40.0	44.4	41.7	57.3	43.4
16:00-17:00	59.8	64.6	58.2	54.9	52.5	51.8
17:00-18:00	63.3	61.4	68.2	64.1	65.7	62.6
18:00-19:00	59.7	41.9	53.2	43.4	42.5	45.4
19:00-20:00	56.1	45.4	47.8	46.9	44.7	49.2
20:00-21:00	53.4	50.9	55.0	51.9	58.7	46.1
21:00-22:00	47.8	56.3	51.1	53.7	59.1	54.4

Sampling Location	14 - New Gate					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	19/10/2017 & 20/10/2017	16/11/2017 & 17/11/2017	16/12/2017 & 17/12/2017	16/01/2018 & 17/01/2018	17/02/2018 & 18/02/2018	16/03/2018 & 17/03/2018
22:00-23:00	45.5	51.6	46.9	50.3	48.1	43.9
23:00-00:00	36.9	50.7	53.8	51.4	52.3	49.9
00:00-01:00	44.3	38.4	40.2	45.6	39.4	47.7
01:00-02:00	41.5	49.2	36.4	38.8	37.4	39.5
02:00-03:00	52.5	41.7	54.7	40.8	43.3	45.0
03:00-04:00	49.6	54.8	52.7	53.2	51.3	55.1
04:00-05:00	42.8	52.4	44.4	47.4	45.8	48.8
05:00-06:00	40.4	48.8	51.1	52.1	49.6	54.4

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

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

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

Authorized Signatory



Tables - 15 - Security Barrier Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	15 - Security Barrier Gate					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	20/10/2017	17/11/2017	18/12/2017	18/01/2018	19/02/2018	17/03/2018
6:00-7:00	52.8	57.6	53.0	56.7	54.7	55.8
7:00-8:00	55.8	42.3	46.1	47.4	45.1	48.9
8:00-9:00	55.7	44.8	41.9	48.9	42.5	49.5
9:00-10:00	54.6	60.4	57.3	52.0	55.1	59.7
10:00-11:00	56.8	70.7	55.1	63.1	67.4	61.7
11:00-12:00	48.8	50.6	52.4	70.2	60.7	63.4
12:00-13:00	54.4	67.6	61.2	59.1	62.1	69.0
13:00-14:00	74.5	72.8	70.4	73.4	71.9	68.6
14:00-15:00	54.5	66.6	58.2	64.8	56.2	60.2
15:00-16:00	56.9	62.1	60.8	61.8	66.2	58.2
16:00-17:00	50.7	46.4	44.3	43.1	61.3	41.4
17:00-18:00	66.6	65.5	63.0	62.6	59.2	67.4
18:00-19:00	57.3	61.9	59.8	60.3	58.4	64.1
19:00-20:00	53.1	55.2	56.3	57.8	51.4	54.3
20:00-21:00	46.3	56.9	62.4	55.3	63.1	65.9
21:00-22:00	48.7	49.4	45.6	44.5	46.3	47.2

Sampling Location	15 - Security Barrier Gate					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	20/10/2017 & 21/10/2017	17/11/2017 & 18/11/2017	18/12/2017 & 19/12/2017	18/01/2018 & 19/01/2018	19/02/2018 & 20/02/2018	17/03/2018 & 18/03/2018
22:00-23:00	46.8	38.0	39.5	42.0	41.8	56.6
23:00-00:00	43.6	53.8	51.0	50.8	49.7	54.9
00:00-01:00	41.3	39.5	43.5	51.7	42.9	44.5
01:00-02:00	45.8	36.8	37.1	40.4	43.9	39.9
02:00-03:00	46.6	43.8	50.2	45.7	40.3	47.1
03:00-04:00	40.5	42.9	45.8	43.0	48.4	46.8
04:00-05:00	44.4	48.3	42.7	52.8	50.6	57.1
05:00-06:00	42.7	47.6	40.6	48.7	44.4	49.0

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

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

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

Authorized Signatory



Tables - 16 - JS-2 Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

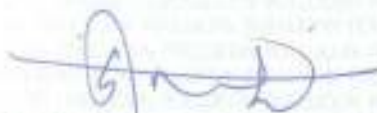
Sampling Location	16 - JS-2					
	During Day Time - Unit in dB (A)#					
	23/10/2017	18/11/2017	19/12/2017	20/01/2018	20/02/2018	19/03/2018
6:00-7:00	48.3	45.3	43.4	53.0	42.2	59.9
7:00-8:00	52.2	55.8	56.4	57.0	53.9	58.5
8:00-9:00	59.6	50.4	49.9	48.9	47.6	52.6
9:00-10:00	53.2	47.3	46.2	45.8	48.6	54.0
10:00-11:00	55.3	60.2	58.8	61.3	57.4	69.4
11:00-12:00	54.8	58.9	55.8	52.2	51.8	66.1
12:00-13:00	48.7	62.6	61.1	60.3	45.9	63.8
13:00-14:00	46.3	57.3	52.3	59.7	58.9	60.9
14:00-15:00	52.7	63.2	48.0	64.0	62.9	65.6
15:00-16:00	58.4	56.1	63.4	65.7	44.8	61.1
16:00-17:00	63.5	53.3	41.2	42.8	46.8	55.8
17:00-18:00	46.6	67.9	64.9	66.4	65.1	62.6
18:00-19:00	49.2	51.8	60.9	55.7	59.8	57.1
19:00-20:00	48.8	49.8	47.9	44.5	43.6	50.6
20:00-21:00	49.8	65.2	59.2	58.6	60.6	68.4
21:00-22:00	50.7	54.6	53.0	56.4	41.3	51.9

Sampling Location	16 - JS-2					
	During Night Time - Unit in dB (A)#					
	23/10/2017 & 24/10/2017	18/11/2017 & 19/11/2017	19/12/2017 & 20/12/2017	20/01/2018 & 21/01/2018	20/02/2018 & 21/02/2018	19/03/2018 & 20/03/2018
22:00-23:00	45.1	47.4	44.1	40.8	46.3	53.3
23:00-00:00	53.8	54.7	48.4	57.4	40.0	58.9
00:00-01:00	50.2	44.1	43.7	48.6	42.0	63.2
01:00-02:00	45.7	40.9	49.7	42.9	52.3	51.3
02:00-03:00	46.2	43.3	45.4	44.7	41.6	49.5
03:00-04:00	47.7	42.8	41.7	45.6	49.2	48.7
04:00-05:00	43.3	46.8	47.4	41.4	51.6	54.7
05:00-06:00	50.9	39.5	46.8	49.3	45.3	42.4

*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.

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


Authorized Signatory



Tables - 17 - Railway Dead End Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	17 - Railway Dead End					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	24/10/2017	20/11/2017	20/12/2017	22/01/2018	21/02/2018	20/03/2018
6:00-7:00	58.3	53.4	50.0	57.3	56.8	52.2
7:00-8:00	48.1	54.5	52.8	53.0	51.2	58.8
8:00-9:00	56.1	47.5	46.9	49.3	53.2	50.6
9:00-10:00	54.6	48.0	53.5	46.0	50.9	47.6
10:00-11:00	44.6	51.6	60.5	50.9	58.1	53.0
11:00-12:00	53.1	50.8	48.8	52.2	62.6	49.7
12:00-13:00	44.9	45.4	49.3	54.2	48.4	46.2
13:00-14:00	50.8	56.5	61.3	59.5	49.2	54.0
14:00-15:00	53.3	59.1	47.4	55.3	43.5	56.6
15:00-16:00	62.7	70.6	65.1	69.8	59.6	66.5
16:00-17:00	53.7	43.0	58.3	60.9	61.5	62.5
17:00-18:00	61.3	68.9	66.7	62.9	60.1	69.6
18:00-19:00	65.3	60.4	56.5	58.1	57.2	55.2
19:00-20:00	60.2	39.8	43.4	41.8	42.1	44.9
20:00-21:00	45.3	41.6	42.3	47.0	46.9	48.8
21:00-22:00	56.4	49.8	59.6	51.9	55.1	57.1

Sampling Location	17 - Railway Dead End					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	24/10/2017 & 25/10/2017	20/11/2017 & 21/11/2017	20/12/2017 & 21/12/2017	22/01/2018 & 23/01/2018	21/02/2018 & 22/02/2018	20/03/2018 & 21/03/2018
22:00-23:00	44.2	46.1	45.8	56.1	42.5	50.6
23:00-00:00	55.5	41.0	46.6	40.0	52.2	54.7
00:00-01:00	37.2	55.0	58.7	54.6	39.7	65.3
01:00-02:00	46.3	52.7	48.8	44.6	37.0	45.2
02:00-03:00	44.8	43.1	49.7	45.6	48.4	42.1
03:00-04:00	40.2	45.8	43.9	42.2	51.8	44.7
04:00-05:00	44.6	51.7	50.0	53.0	45.2	56.1
05:00-06:00	52.9	35.9	37.5	36.2	50.7	39.3

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

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

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

Authorized Signatory



Tables - 18 - S and S Yard (South) Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	18 - S and S Yard (South)					
	During Day Time - Unit in dB (A)#					
	Date of Monitoring	25/10/2017	21/11/2017	21/12/2017	21/01/2018	22/02/2018
6:00-7:00	64.2	57.4	48.6	50.3	49.5	47.3
7:00-8:00	50.2	64.7	69.6	60.6	61.4	62.4
8:00-9:00	49.5	66.9	63.5	64.4	60.4	65.9
9:00-10:00	56.8	54.5	53.0	55.0	52.9	67.8
10:00-11:00	54.2	67.9	60.7	53.0	57.7	51.3
11:00-12:00	55.4	53.1	50.7	51.1	68.5	58.3
12:00-13:00	45.6	58.6	59.7	61.8	48.6	52.1
13:00-14:00	54.5	56.7	55.2	57.3	58.0	59.3
14:00-15:00	51.3	55.4	56.5	52.0	50.2	53.2
15:00-16:00	54.3	65.0	62.9	70.7	63.7	66.9
16:00-17:00	56.2	60.3	46.1	54.8	59.1	61.7
17:00-18:00	63.0	59.4	58.9	46.9	53.3	57.5
18:00-19:00	57.3	63.0	66.2	68.3	67.5	69.6
19:00-20:00	57.6	61.1	54.0	58.1	51.7	64.4
20:00-21:00	57.9	48.8	47.1	49.8	56.3	55.6
21:00-22:00	55.2	68.9	65.6	67.5	66.1	63.1

Sampling Location	18 - S and S Yard (South)					
	During Night Time - Unit in dB (A)#					
	25/10/2017 & 26/10/2017	21/11/2017 & 22/11/2017	21/12/2017 & 22/12/2017	21/01/2018 & 22/01/2018	22/02/2018 & 23/02/2018	21/03/2018 & 22/03/2018
Date of Monitoring						
22:00-23:00	47.2	59.0	50.1	56.7	57.7	58.2
23:00-00:00	52.7	50.2	48.8	44.4	43.2	46.7
00:00-01:00	51.3	44.9	40.2	36.0	39.9	42.9
01:00-02:00	36.2	47.9	45.6	43.4	46.4	49.9
02:00-03:00	62.2	51.7	52.2	55.4	50.6	47.2
03:00-04:00	43.2	46.2	47.1	49.3	45.2	48.6
04:00-05:00	48.6	39.6	41.5	38.0	42.2	44.2
05:00-06:00	51.4	49.2	56.7	52.0	55.4	50.0

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

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

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

Authorized Signatory



Tables - 19 - S and S Yard (North) Boundary Wall Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	19 - S and S Yard (North) Boundary Wall					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	26/10/2017	22/11/2017	22/12/2017	22/01/2018	23/02/2018	22/03/2018
6:00-7:00	44.3	46.5	43.2	47.4	40.3	50.3
7:00-8:00	51.2	55.8	48.3	49.0	47.8	45.0
8:00-9:00	59.7	66.6	49.0	57.6	55.9	64.7
9:00-10:00	55.5	60.8	72.4	58.5	56.3	61.5
10:00-11:00	56.3	50.1	53.4	44.5	52.9	57.6
11:00-12:00	50.5	64.8	60.0	56.4	58.8	63.5
12:00-13:00	55.9	65.9	54.0	46.3	51.4	53.1
13:00-14:00	65.7	52.2	56.6	54.7	53.1	55.5
14:00-15:00	64.3	63.7	62.5	59.0	60.0	65.2
15:00-16:00	58.9	53.0	52.6	60.6	48.9	68.3
16:00-17:00	55.1	54.2	59.6	51.4	42.4	60.8
17:00-18:00	47.3	61.8	51.8	43.5	46.8	62.3
18:00-19:00	53.5	56.4	44.4	48.2	49.2	46.3
19:00-20:00	50.9	44.7	47.8	41.0	45.2	48.5
20:00-21:00	54.7	62.9	46.7	45.5	50.0	56.1
21:00-22:00	51.4	68.0	57.3	42.5	41.5	52.9

Sampling Location	19 - S and S Yard (North) Boundary Wall					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	26/10/2017 & 27/10/2017	22/11/2017 & 23/11/2017	22/12/2017 & 23/12/2017	22/01/2018 & 23/01/2018	23/02/2018 & 24/02/2018	22/03/2018 & 23/03/2018
22:00-23:00	48.2	43.0	44.2	45.7	50.7	47.0
23:00-00:00	40.6	48.3	45.6	49.0	47.1	50.5
00:00-01:00	44.1	46.9	48.9	47.3	45.0	54.6
01:00-02:00	42.2	49.4	47.8	56.3	51.8	58.8
02:00-03:00	51.8	39.5	50.3	42.7	49.4	38.7
03:00-04:00	48.7	41.1	40.1	46.4	44.3	43.6
04:00-05:00	42.8	45.9	43.5	41.0	46.6	53.1
05:00-06:00	42.3	54.7	53.1	52.2	41.2	57.4

*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.

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


Authorized Signatory



Tables - 20 - Lakhi Village (Below Conveyer Belt) Ambient Noise Level Monitoring Results during the Day Time and Night Time in Leq. dB (A) for the period: October 2017 to March 2018:

Sampling Location	20 - Lakhi Village (Below Conveyer Belt)					
	During Day Time - Unit in dB (A)#					
Date of Monitoring	27/10/2017	23/11/2017	23/12/2017	23/01/2018	24/02/2018	23/03/2018
6:00-7:00	50.3	49.2	44.9	42.4	43.5	65.0
7:00-8:00	53.6	44.2	41.7	58.5	65.9	61.0
8:00-9:00	50.6	51.4	48.8	49.6	41.1	59.9
9:00-10:00	53.9	46.4	54.8	48.4	47.1	58.2
10:00-11:00	65.2	59.1	51.2	50.3	57.1	56.2
11:00-12:00	64.5	53.7	56.9	61.0	67.5	70.7
12:00-13:00	56.9	60.6	46.9	45.1	55.6	48.3
13:00-14:00	59.9	47.6	43.3	51.2	60.2	66.8
14:00-15:00	60.1	58.4	42.8	40.2	48.5	57.4
15:00-16:00	55.7	43.8	45.3	59.4	46.5	62.9
16:00-17:00	65.4	56.6	40.3	52.4	45.9	60.7
17:00-18:00	61.2	54.1	52.5	55.3	50.9	53.4
18:00-19:00	57.8	45.6	47.9	46.1	59.3	54.0
19:00-20:00	57.4	48.1	50.1	44.6	51.2	52.8
20:00-21:00	52.3	55.5	57.5	56.7	58.3	68.2
21:00-22:00	47.4	61.6	58.5	43.3	44.4	55.2

Sampling Location	20 - Lakhi Village (Below Conveyer Belt)					
	During Night Time - Unit in dB (A)#					
Date of Monitoring	27/10/2017 & 28/10/2017	23/11/2017 & 24/11/2017	23/12/2017 & 24/12/2017	23/01/2018 & 24/01/2018	24/02/2018 & 25/02/2018	23/03/2018 & 24/03/2018
22:00-23:00	47.8	42.6	35.3	48.6	36.3	55.9
23:00-00:00	44.3	45.9	42.7	53.6	40.6	52.7
00:00-01:00	43.1	40.5	37.8	36.1	51.5	49.0
01:00-02:00	47.5	48.8	54.2	50.2	55.1	59.3
02:00-03:00	50.6	39.4	47.5	35.4	44.6	45.5
03:00-04:00	40.5	54.6	44.2	51.3	45.4	53.9
04:00-05:00	46.8	38.2	48.7	42.6	47.4	57.2
05:00-06:00	43.6	41.0	51.6	57.8	50.5	44.6

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

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

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

Authorized Signatory

**3H. DG SETS STACK EMISSION AND NOISE LEVEL MONITORING: -****Table No.: 3H.1 – DG Sets Stack Emission Monitoring Results for the period: October 2017 to March 2018:-**

Sr. No.	Parameters	Unit	DG Set # 1MRSS (SS5)		DG Set # 2 (SS7B)		DG Set # 3Marine (SS8)		DG Set # 4Silo (SS11)	
			NOV-17	FEB-18	NOV-17	FEB-18	NOV-17	FEB-18	NOV-17	FEB-18
1	Particulate Matter	mg/Nm ³	17.55	24.84	23.44	20.51	21.55	26.75	19.36	21.57
2	Sulphur Dioxide	ppm	7.27	7.49	5.78	8.68	5.71	5.64	4.02	6.5
3	Oxide of Nitrogen	ppm	35.57	39.56	37.93	35.85	31.97	37.19	29.65	32.41
4	Non Methyl Hydro Carbon (NMHC)	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
5	Carbon Monoxide (CO)	mg/m ³	3.44	5.27	5.34	3.37	4.63	2.75	3.51	4.22

Table No.: 3H.2 - DG Sets Noise Level Monitoring Results for the period: October 2017 to March 2018:-

Sr. No.	DG Set Average Noise Level In Leq. dB(A)		
	Sampling Location	At 1 m from the enclose outside	
		Sampling Date	NOV-17
1.	DG Set # 1MRSS (SS5)	68.9	67.8
2.	DG Set # 2 SS7B	69.3	68.5
3.	DG Set # 3Marine (SS8)	68.7	67.6
4.	DG Set # 4Silo (SS11)	69.4	68.1

Authorized Signatory

Annexure – 4
Green Zone Details

Adani petronet (Dahej) port pvt.ltd. Green Zone Details							
Sr. No.	Location	Area in (Hect.)	Tree (No.)	Shrubs (Sq. Mt.)	Green Carpet (Sq.Mt.)	Palm	Remarks
1	PMC office area Landscape	0.264	500	400	1000	60	Implemented
2	Gcptcl boudry wall site plantation	1.455	4500	800	3750	250	Implemented
3	APPPL office area (SS 7 B)	0.16	260	200	800	20	Implemented
5	LNG Site Boundry wall site plantation	0.885	5000	2500	0	450	Implemented
6	Stack yard	0.56	5000	0	0	150	Implemented
7	Road site Avenue tree plantation	1.1	4000	0	2000	500	Implemented
8	Main gate Area	0.572	450	2000	2500	80	Implemented
9	Railway yard area Phase 1	1.091	5000	310	0	150	Implemented
10	Railway yard area Phase 2	1.12	5000	600	0	150	Implemented
11	EHS Ofiice building	0.46	250	1500	2000	150	Implemented
13	SS 7 A Office	0.099	80	250	500	20	Implemented
14	Workshop building	0.21	500	0	500	150	Implemented
15	WB -6 area	0.024	120	0	0	0	Implemented
Total Green Zone Area		8	30660	8560	13050	2130	

Annexure-5: Environment Budget and Expenditure for the FY: 2017-18

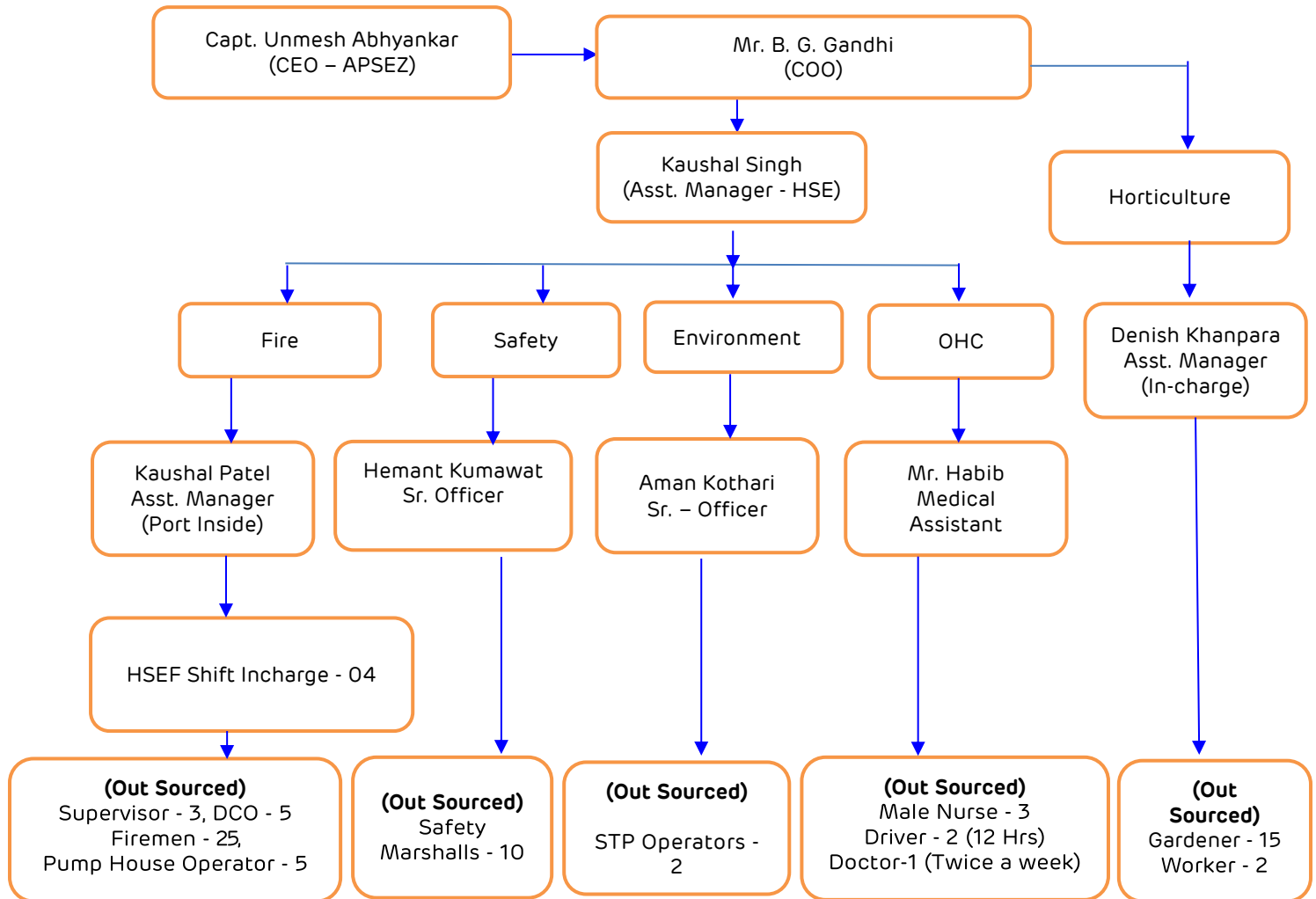
S. NO.	ACTIVITY/ CATEGORY	BUDGET (IN LAC)	EXPENDITURE (IN LAC)
1.	EHS Manpower	15.5	15.5
2.	Legal & Statutory Expenses	1.50	0.22
3.	Environmental Monitoring Services	19.0	18.62
4.	Water Consumption	75.5	33.78
5.	Hazardous Waste Management & Disposal	0.80	1.05
6.	Greenbelt Development and Plantation	22.70	22.70
7.	O&M of Pollution control measures	6.40	6.15
8.	Environment Day Celebration	0.25	0.25
9.	Treatment and Disposal of Bio-Medical Waste	2.16	1.92
10.	Operation and Maintenance of Road Cleaning equipment and manpower	17.41	17.41
11.	Operation and Maintenance of Fire staff	49.50	49.50
TOTAL AMOUNT (IN LACS)		210.72	167.10

CAPITAL EXPENDITURE			
S. NO.	ACTIVITY/ CATEGORY	BUDGET (IN LAC)	EXPENDITURE (IN LAC)
1.	Horticulture Development	26.36	26.36
2.	EHS Display Board	5.0	5.0
TOTAL AMOUNT (IN LACS)		31.36	31.36

Annexure - 6: Organogram of APPPL - Environment Management Cell

ADANI PETRONET (DAHEJ) PORT PVT. LTD.

Dept.: QHSE Management Cell



Details of Environment Cell				
S. No.	Name	Designation	Qualification	Work Experience
1.	Kaushal Singh	Asst. Manager -HSE	Dip-Mech, PGDFS, NEBOSH	10 Years
2.	Denish Khanpara	Asst. Manager	B.Sc. Horticulture, Post Diploma In Environment Technology (PDIEMT)	10 Years
3.	Kaushal Patel	Asst. Manager	B.Sc. Fire, Post Diploma In Environment Technology (PDIEMT) pursuing	12 Years
4.	Hemant Kumawat	Sr. - Officer	Dip – Mech, Dip. In Fire & Safety, NEBOSH	8 Year
5.	Aman Kothari	Sr. - Officer	M.Sc. Environment Science & Technology, PDIS	6 Years

Annexure - 7 **Corporate Social Responsibility Report**

Half Yearly Report- Adani Port- Dahej (Oct -2017 to Mar-2018)

At Adani Foundation-Dahej, our CSR approach is guided by the four pillars of our CSR & Sustainability framework – Education, Community Health, Sustainable Livelihood Development and Rural Infrastructure Development. These pillars establish a clear vision of our critical area of focus and are aligned with the work we're doing to address the issues of highest importance to our internal and external stakeholders. In this report, we've dedicated individual chapters to sharing our progress under each pillar.

INTRODUCTION

The Adani Foundation is the Corporate Social Responsibility arm of Adani Group with a vision to *"Accomplish passionate commitment to the social obligations towards communities, fostering sustainable and integrated development, thus improving quality of life"*. It's an integrated infrastructure conglomerate that is committed to inclusive growth and sustainable development in not only the communities it operates in, but also in contributing towards nation building.

The Adani Foundation - Dahej has been running several activities and catering to the needs of the local people residing in about 11 villages. Our target population is 31522 beneficiaries comprising of 7611 families of these 11 project villages. The main castes are *Koli Patel, Rajput, Ahir and other castes are SC/ST & minorities*. The demographic detail is as under:

Name of Villages	Total House Hold	Total Population	Male	Female	Children 0-6 Year	Boy	Girl	Total SC	Male SC	Female SC	Total ST	Male ST	Female ST
Dahej	3426	13495	8345	5150	1604	840	764	542	279	263	2090	1097	993
Lakhigam	1217	4938	3144	1794	566	296	270	87	52	35	584	308	276
Luvara	385	1663	873	790	202	112	90	109	56	53	963	488	475
Jageshwar	383	1571	818	753	155	80	75	18	8	10	146	73	73
Ambheta	347	1552	807	745	167	89	78	67	37	30	261	137	124
Jolva	338	1442	807	635	210	105	105	239	137	102	199	98	101
Suva	413	1920	973	947	238	126	112	63	28	35	354	193	161
Rahiad	355	1694	862	832	252	132	120	105	51	54	104	51	53
Koliad	152	676	321	355	92	39	53	57	27	30	323	150	173
Kaladara	393	1663	934	729	205	93	112	108	54	54	570	294	276
Vengani	202	908	462	446	135	66	69	40	18	22	279	136	143
Total	7611	31522	18346	13176	3826	1978	1848	1435	747	688	5873	3025	2848

(Ref: Census Data: 2011, http://censusindia.gov.in/pca/cdb_pca_census/Houselisting-housing-Gujarat.html)

The activities performed under the CSR initiatives of the Adani Foundation fall under four major domains. These include Education, Community Health, Sustainable Livelihood Development and Rural Infrastructure Development. In the Year 2017-18, Adani Foundation contributed largely towards the surrounding communities of Adani Dahej site in respect to its varied domains. Each domain has its set of objectives. All the objectives are fulfilled keeping in mind the vision of contributing towards framing a better society all

around its catchment area. Till date several activities have been initiated and performed in lieu of these objectives. This half-year Report throws light on Adani Foundation's activities performed and initiatives taken in last six months at Dahej site.

Domains of CSR Framework

EDUCATION

Adani Foundation- Dahej core focus in this domain is based on below parameters: -

- ❖ Efforts to improve the quality of education
- ❖ Encourage education of girl child
- ❖ Encourage community participation through meetings and seminars
- ❖ Maximum (100%) enrollment of children in school and their retention

AF- Dahej, after due discussions with school authorities and local leaders from these villages took several initiatives for improving education scene in these villages.

[1] Pragna Material Support: Under this initiative, AF engages with the schools positioned in these villages by providing amenities/supplies for betterment of students.

As a part of this activity we decided to distribute "Pragna Book" to 1200 students which covered 09 nos. different villages school. The benefits & outcomes are as under:



Easley identify the words & numbers;

Improve writing capability;

Strengthen basic skill of reading;

[2] Learning Enrichment Programme: This programme we have started this year, under this initiative we have focused on helping directly weak students. Math and Gujarati (medium of language) are the basic subjects to learn the other subjects and the proficiency in language and math support us in our day to day activity till the life end. The students of Govt. School are very poor in language and math.



So, they do not cop up with their curriculum. So, we have specially designed a Learning Enrichment Program to enrich their learning level in the math and Gujarati language. Selection of 7 Teachers and 1 Coordinator for seven Schools for 5th, 6th, 7th, 8th have been done for this project, also total 228 students identified as "Priya Student" (Weak).

The progress is shown in the below table for Gujarati Subject:

Sr. No.	Level	Oct	Nov	Dec	Jan	Feb	Mar
1	0	18	8	4	4	3	2
2	1	147	123	88	66	48	37
3	2	45	41	45	42	38	31
4	3	8	32	41	37	29	30
5	4	0	3	16	26	30	20
6	5	0	3	10	22	19	18
7	Absent	7	15	24	31	35	35
8	Left	0	0	0	0	0	0
9	Mainstream		-	-	-	26	55
	Total	225	225	228	228	228	228

The progress is shown in the below table for Mathematic Subject:

Sr. No.	LEVEL	DEC	JAN	FEB	MAR
1	0	39	51	48	57
2	1	16	32	29	27
3	2	0	3	13	14
4	3	0	0	0	6
5	4	0	0	0	0
6	Absent	0	0	1	2
7	Left	0	0	0	0
8	Main Stream	0	0	0	0
	TOTAL	55	86	91	106



Community Health

In the villages nearby, the health care delivery is constrained by lack of health care infrastructure, lack of doctors, lack of supply chain and lack of appropriate monitoring of existing health care infrastructure.

Hence, the local communities residing in these villages are not able to access formal health care and many of them after having to travel long distances to consult untrained local private practitioners in case of any illness.



Recognising this need to strengthen the health care delivery system, AF- Dahej is engaged in promoting healthy communities by improving access to basic health care and by helping the local communities to fight against infectious diseases.

General Health Camps organised at PHC Dahej area: Two mega camps were conducted for seven village community. Total – 580 people benefited from the camps. We provided them medicines with no cost. Specialist doctors such as gynaecologist, paediatrician, physician, skin specialist and dentist were present from Orchid Hospital and Mother Care hospital Bharuch. We did general check-up and gynaecological check up in the camp.



Nos. Of Camps	Nos. of Village	No. of total beneficiaries
2	Dahej, Lakhigam, Luvara, Jageshwar, Ambheta, Jolva, Suva	580

De-Addiction Poster Exhibition in High schools: De-Addiction posters were exhibited in Jageshwar, Lakhigam and Dahej high schools. This program was facilitated by Brahma Kumari, Bharuch. Total 2112 students attended the program. 3500 village community people were also benefited from the program.



Mobile Health Care Unit:

We are providing mobile health car van unit in 11 villages nearby to our Dahej port. We are providing no cost medical services for the people in the area.

Table showing number of patients treated during the year.



Village	Months					
	Oct	Nov	Dec	Jan	Feb	Mar
Lakhigam, Navinagri & Adani Port	297	447	433	329	294	275
Luwara	72	195	105	133	129	125
Ambheta	115	171	176	93	127	165
Jageshwar	104	125	121	97	99	130
Dahej	134	156	177	229	122	223
Jolva	80	89	111	166	90	110
Suwa	128	115	107	139	76	130
Rahiyad	174	170	115	110	210	115
Koliyad	151	230	241	178	142	165
Vyangini	152	168	130	169	168	170
Kaladra	145	185	123	125	147	143
Total	1552	2051	1839	1768	1604	1751

Sustainable Livelihood Development

One major issue that these rural local communities residing near APDPPL face is securing sustainable livelihoods. With increasing population and decreasing land holdings, the dependency on primary livelihoods is at risk. In the absence of adequate employment opportunities, the rural people are unable to generate enough wages to sustain their livelihood. Therefore, it is altogether imperative to find suitable sustainable livelihood models and strategies for achieving inclusive growth.

Due to land acquisition by GIDC and being densely covered by industry hubs the livelihood options become very limited for the villagers. A preliminary analysis of the household survey data reveals that labour and service are the primary occupations. Some of the families are also dependent on seasonal occupations such as agriculture, fisheries and animal husbandry but these are not viable throughout the year. Most of the villagers prefer contract jobs offered by companies and don't want to do the unskilled labour work. It was also observed that opportunities for the youth are limited because of the limited education

facilities like lack of ITI, diploma, and vocational training institutes. This creates a vacuum, which is an opportunity for the labour population of other states, as there is high demand for labour in the companies. The local population, with the compensation they received from selling their land, is moving to other places for better education, health and livelihood opportunities. It was observed that the floating population is putting extra burden on the already existing deprived natural resources.

To counter this situation, we have been implementing sustainable livelihood programmes through SHG model to eradicate poverty and empowering rural women by skill enhancement and income generation programmes.

We invest in building social capital, promoting collective strength through self-help groups, supporting initiatives towards preservation of traditional art and organizing skill development training for the youth and women artisans thus impacting local communities directly.

Skill Development Programme – SHG Group

Under skill development initiative Adani Foundation, Dahej initially used to conduct training programmes on beauty parlour, tailoring etc. for rural women as a people connect tool especially rural women mass with financial constraint. Since it was conducted with training model now we proposed to convert this model into sustainable model for various livelihood activities. Based on communities' requirement and women interests, we have developed an SHG group with name **"Shiv Shakti Sakhi Mandal"**. This women are making school bags, Jute Bags, Travel Bags, and sell this bags and earn their living. The detail of the project is as under:

Project – 'Udgam' – "Shiv Shakti Sakhi Mandal"

Project Udgam is the brainchild of Adani Foundation, Dahej who identified a way of providing a source of income to the women in the different villages of the Vagra district.



After conducting a market survey, we identified that every year approximately 5000 school bags are needed by different schools and industries for their CSR activity of 'Shala Pravetsosav'. These same bags could be made by the women instead of procuring them from suppliers at Bharuch City.

The pilot project has been initiated with 10 women in the village of Jageshwar (the most responsive women during

need assessment survey of this project in 7 Villages) from May 2017 with the support of Smt. Vilasben, Sarpanch of Jageshwar village.

Future Planning: Target Consumers:

1. CSR Units of Corporates:

Most companies have active CSR units which procure bags for different purposes. The first step will be to reach out to these companies and procure orders

2. Employees of Companies:

The employees working in all these companies may also purchase bags for personal use and gifting purposes. We can target these consumers through stalls in their respective companies

3. Individual Customers:

The plan in the second phase would be to directly reach individual customers in other towns and cities through participation in the exhibitions & fairs.

Product & Brand Recognition:

- **Trademark the logo** of Shiv Shakti Sakhi Mandal to avoid duplication.
- **Procure a printing machine** to finish the existing order of bags from Adani.
- **Print banner, business cards, receipt books, badges** with the group logo.
- Focus on attaining highest level of craftsmanship on **5-6 critical designs**, only.
- **Avoid further line extensions** for the next 2 years at least.
- Introduce a **unique design element** in each of the Sakhi Mandal bags to create a brand identity.
- **Build relationships with 1-2 key suppliers** to ensure smooth functioning of supply chain and avoid getting material from new suppliers each time.
- **Create a Facebook page** for the Shiv Shakti Sakhi Mandal group and upload all photos of products with relevant information.

Sustainability of the Project:

- **List down companies** in and around Dahej based on their net profit, as higher profit indicates higher CSR spending and better chances of getting bulk orders.
- Gather **information of the selling price of different bags** purchased by companies in & around Dahej.
- **Contact CSR Heads** of the companies with the highest net profits and procure annual contracts with them.
- Once 1-2 large contracts have been procured, then **approach the other companies on the list** to explain the cost.

- Advantage they will gain by procuring cheaper but good quality bags from the Sakhi Mandal. Show examples of the big clients Sakhi Mandal already has.
- **Print the Brand Book** for the group and present it to CSR Heads and other important personnel with every presentation.
- Undertake **active marketing** of the Sakhi Mandal **within the Jageshwar village** to convince fellow residents to purchase bags from them rather than spending double the amount outside.
- If the group wishes to expand, the **experts in the group should be given certain designations** and the responsibility to train the new members. These designations will serve as motivators for the others to excel in the craft as well.

Feasibility of the Project:

Currently, the SHG has already booked in house order from Adani Foundation as below:

Sr. No.	Bag Type	Size	Cost to Group (Rs./unit)	Sales Price (Rs./unit)	Quantity (Nos.)	Cumulative Profit (Rs.)
1	School Bag (S) (Landscape)	15" x 3" x 12"	148	210	50	3100
2	School Bag (M)	12" x 4" x 14"	195	300	950	99750
3	Laptop bag	13" x 6" x 18"	280	500	50	11000
4	Jute Bag (Portrait)	11" x 3" x 14"	78	125	98	4606
5	Jute Bag (Landscape)	15" x 3" x 12"	82	125	80	3440
6	Canvas Material Bag	15" x 4" x 15"	120	200	10	800
Net Profit (Rs.)						1,22,696

The long term vision of the project is to make these women self-reliant in the next 1-2 years, so that they can procure raw material, manufacture and sell the bags on their own as mentioned above.

Animal Husbandry Project:

Adani Foundation in partnership with BAIF organisation has started a new initiative from November, 2017 under the thrust area of Sustainable livelihood. The project mainly caters the needs of animal husbandry in 11 villages of nearby Dahej port.

NEED Assessment:

Farmers of Vagra taluka of Bharuch district follows to rear cows and buffaloes as secondary source of income but prefers traditional management practices. Due to improper breeding and traditional management practices, cows are able to produce 3 to

4 litres per day and buffaloes on an average producing 2 to 3 litres per day which is too less and they are not able to meet out expenses on concentrate and fodder. Due to improper knowledge of breeding, feeding and routine management productivity of dairy animals is less.

As a source of dry fodder local grass and dry '*jowar*' which they offer as such (without urea treatment) having low nutritive value. Due to insufficient availability of nutritious green fodder, farmers are not able to meet out the requirement of green fodder to their animals resulted underfeeding, nutritional deficiency. Most of the animals are thrive on grasses on road side and on farm bunds due to insufficient knowledge regarding practices to improve nutritional value in available feed/fodder.

Most of the farmers are small and marginal. Productivity of their land is not as per the standard protocol due to indiscriminate use of chemical fertilizer, unawareness about selection of variety, rotation of crop, insecticide and pesticide application not able to produce as per expectation.

As the villages are very close to industry, the men folk have abundant opportunities for employment as unskilled labours. Most of men are going to work in the factory. Women in the area have very limited opportunities for self-employment. The major tribe in the area is '*Darbar*' community which culturally very conservative and limited exposure of outsides. Particular to women have many restrictions to go outside and engaged in only household works. They are taking care of their cattle as mentioned above. Considering this situation, we are focusing on this women group as our target population for Animal Husbandry Programme because at the time of need-assessment study, they had already shown enthusiasm and readiness to take up this project for livestock management as well as better production of milk and allied products.

Project Objective:

The overall objective of the program is to provide gainful self-employment to the rural families through dairy husbandry and livestock development in the operational villages as the CSR Initiative.

The specific objectives are:

1. To create opportunities of self-employment at local village level;
2. To provide door to door insemination services;
3. To increase awareness among farmers for modern scientific management practices through training programme and exposure visit;
4. To increase area under fodder cultivation by developing demo plots of high yielding fodder crop varieties;
5. To provide preventive health care services by effective vaccination and deworming;
6. To organize infertility camps for timely diagnosis and treatment of infertile animals;



We are serving the community with various activities under the project as below:

Sr. No	Activities	Achievements
1	Artificial insemination	218
2	Animal husbandry training program	7
3	Exposure visit of farmers	1
4	Calf rearing model demonstration	7
5	Vaccination	1540
6	Infertility camp	4
7	Fodder demonstration	15
8	Cattle shed construction	2
9	Chaff cutter demonstration	1
10	Urea treatment demonstration	25
11	Compost pit preparation	5
12	Vermicomposting	10

We have been able to reach 340 families during November 2017 to March 2018 under this project.

Project Key Result Areas:

- 1) Good quality milking animals having higher genetic potential will be produced.
- 2) Age at first calving and long inter-calving period will be reduced by timely treatment of infertile animals.
- 3) Adoption of scientific management practices helps to increase production of milking animals and reduce economic burden for rearing infertile animals.
- 4) Reducing chances of incidence of disease outbreak after timely vaccination.
- 5) Mind set of local community will be changed.
- 6) Youth will be attracted in Dairy business as an opportunity for self-employment at native place.

- 7) This programme will improve economic condition of livestock holding families.
- 8) Additional income source particularly to women;
- 9) Developed the model of organic milk production will be used valuable ingredient for medicines.

Moringa Project:

The Moringa project started in November 2017 and it is under process of development. We are now at the stage of developing nursery at Dahej village. We will grow 50,000 Moringa plants in the Nursery and it will be distributed to the interested individuals in the 11 villages. We will collect the Moringa leaves and do processing of it. There will be marketing and selling of dry Moringa leaves. In future it will be earning source for the community staying in surrounding villages of Dahej port.

The Moringa Tree is one of the most incredible plants, this may sound sensationalist, but its Nutritional and medicinal properties has the potential to end malnutrition, starvation, as well as prevent and heal many diseases and maladies worldwide. Moringa is truly a miracle plant, and a divine gift for the nourishing and healing of man. The most incredible thing about Moringa is the amount of nutritional and medicinal chemicals and compounds found in this plant. Moringa contain vitamin A, vitamin C, Calcium, Potassium, Iron, and Protein, it contains it in high amounts that are easily digested and assimilated by the human body, also it contains some of the commonly known nutrients needed by the human body Moringa also contains, not one, not two, not three, but over 40 antioxidants. Moringa is said to contain 539 known compounds which according to traditional African and Indian medicine (Ayurveda) is said to prevent of 300 diseases and maladies.



Nutrition value of Dried (Green)



Moringa Cultivation in Polly House:

For doing the moringa Leaves cultivation, we are going to develop Moringa Nursery in polly house, once the plants will be ready then we will distribute them to women SHG groups and individual to grow them further.

We will give 50 plants to each member of the SHG Group, which they can take home and grow up to 5 ft. height and maintain the same height for easy cultivation. We will give in-

depth training to each and every member. Also we will be giving organic fertilizer that we will made in our composting units, which they can use regularly to give proper nutrition to the plant.

First harvesting comes after 90 days and then after every 45 days, they can harvest this Moringa leaves and dry them by the method we will teach them, once they are ready we will again purchase this leaves from them. This leaves can be further processed in 300 to 400 mash powder or can be packed as it is.

Market Research:

External market links available to sustain the project and SHG Group strengthening. The list of potential buyers from different agro-processing SMSE is as under:

Potential List of Buyers

Sr. No.	Name And Address and Contact	Product
1	Earth Expo Company Mr. Pravin Valanki 107, Nomoney Complex, Near Meghdood Cinema, Mahuva- Gujarat- 364290. Contact No: 9898419831 Email: info@earthexpocompany.com	-Moringa Powder -Moringa Tea Cut leaves - Seeds - White Seeds
2	Aum Agree Freeze Foods Mr. Prashant Shah 3/10 BIDC Estate, Gorwa- Vadodara – 390016 Contact No: 9426416804 Email: prashant@aumfresh.com	Moringa Leave
3	Adinath Trading Company Mr. Vineet Jain Mandi Prangan, Neemuch – 458441 Madhya Pradesh – India. Contact No: 09425106479/ 09977807979 Email: adinathherb@yahoo.co.in	Moringa Leaves and Seeds
4	Raj & Company Mr. Vijay Kumar Behind Katju Market, Near Parsi Mandir Neemuch – 458441 M.P. India. Contact No: 09826021601 Email: raispice@sancharnet.in	Moringa Leaves and seeds
5	Mansi – Bio Vermi Tech Mr. Manibhai Patel Satya Narayan Temple, Lunawada, Dist. Mahisagar. Gujarat. Contact No: 9427813542 Email: mansibiovermitech@gmail.com	Moringa Leaves
6	Genius Nature Herbs Pvt. Ltd. Dr. Eshwar Iyappan (CEO) 268/1B, Siruvani Main Road, Madhampatti Post, Coimbatore – 641010. Contact No: 09894246446 Email: ceo@geniusherbs.com Mr. Sanjay Kumar Singh	Moringa Leaves

	Asst. Production Manager. Contact No: 09677525663 Email: geniusapm@gmail.com	
7	Srinivas Reddy and Company. Mr. Soma Reddy Shop.No. 7 – Gudimalkapur, Hyderabad – 500028 Contact No: 09426222953	Moringa Sticks
Sr. No.	Name And Address and Contact	Product
8	PSK Mr. Satish Kumar Dr. B.R. Ambedkar Vegetable Market Yard, Bowenpally, Secunderabad – 500009 Contact No: 09963474809/ 09391135937	Moringa Sticks
9	M. Ravichandran - ARC Mr. Ravichandran K- AU/14, Periyar Vegetable Market, Koyambedu, Chennai – 600092	Moringa Sticks
10	Padra market Mr. Manish and Mr. Vijay Bhai Padra Market – Vadodara Contact No: 9898404876	Moringa Sticks
11	Gunvant and Company Mr. Gunvant Patel Baroda Market Contact No: 9825036708	Moringa Sticks
12	LKS and PRP Mr. Lalan Kumar At- Lalgipura, Post – Sokhada, Dist – Baroda- Gujarat Pin. Code – 391745 Bombay Kolkata Trak Termingal, New Sabji Mandi Shop No: D 20, Dhulagarh (Hawrah). West Bengal.	Moringa Sticks
13	M/S. Becharadas Shamladas Mr. Bhavik Patel Shop No:3, Sardar Patel Market, Jamalpur, Ahmedabad – 380022 Contact No: 9825955733	Moringa Sticks
14	A.M. Vegetable and Company Mr. Arif Menon Nr. Tellya Mill, Kalupur keri pitha, Ahmedabad – 380002 Contact No: 9824153198	Moringa Sticks
15	Manojkumar Jivanlal Sons Mr. Prajesh Patel 8, Sardar Patel Vegetable Market – Ahmedabad. Contact No: 9825050934	Moringa Sticks

	Email: info@micapsicum.com	
16	Lalbai And Sons Mr. Lalabhai 4, Sardar Patel Vegetable Market – Ahmedabad Contact No: 8488935114	Moringa Sticks
17	Patel & Brothers Mr. Patel Bhai and Mr. Samadbhai Shop No – 16, Kalupur Market, New keri Pitha – Ahmedabad – 380002, Contact No: 9998329457	Moringa Sticks
Sr. No.	Name And Address and Contact	Product
18	Shree Laxminarayan Oil Mill Mr. Priyank Patel Saidivasan Road, Kawant – 391170 Chodaudepur – Gujarat Contact No: 9426599323/9825297497	-Moringa Seeds and -Morina Leaves
19	Dominate Industries Palak Patel 301/26, V.K. Estate, Nr. Gota Railway Station Crossing, Ahmedabad – 382481, Gujarat – India. Contact No: 9924922049 Email: palak.dominante@gmail.com	Moringa Leaves
20	MUMBAI: HKD Bhauji Shop No. D – 664, V-1051, APMC, Vegetable Market, Sector -19, Turbhe, Vashi, Navi Mumbai – 400705 Contact: Harkesh: 09920107296 Bhauji: 09820164297 Office: 022-27834294	Moringa Drumsticks
21	Vijay Tiwar Vijayji Vashi Market Contact: 09833182109	Drumsticks
22	BPM Bipin Bhai Shop No. C- 559 - Vashi Vegetable Market Contact: 09892205970	Drumsticks
23	Ashvina Trading Co. Riday Bhuptani Shop- 9 Hastagiri Apt. Ashok Chakravarti Road, Kandivali (E), Mumbai – 400101. Contact: 09819449477 Kirtibhai Bhuptani: 09820046578	Drumsticks
24	SNS : Sadananda Saha and Son	Drumsticks (Thin Size only)

	OMIO and Komal Shah 144, Bipin Bihari Ganguly Street, Calcutta – 700012. Contact: 09804549115 Office: 033 2275225	
25	DS: Dasharath Shaw Anupji 144, Bipin Behari Ganguly Street (Nafar Babu's Bazar) Kolkata- 700012 Contact: 09830944942	Drumsticks

Rural Infrastructure Development (RID)

Major livelihood groups based in villages in the vicinity of APDPPL comprises of fishermen and daily wage labours, so situations are such that providing some good infrastructures will support them in their daily life. We at AF- Dahej tried to provide best infrastructure to the community since its inception. This year also provided infrastructure support to schools, panchayat, women group, etc. which helped them to minimise their daily problems.

These villages are suffering from water logging during monsoons every year. Rainwater infrastructure in these villages is insufficient to guarantee drainage of water and so the low lying areas always stay inundated. Roads stay blocked; pedestrians have to wade through flooded streets and especially the inhabitants have their homes damaged by water gushing into their homes, which would take several days to recede. These become harrowing times for the residents who are forced out on the roads.

APDPPL took significant steps to build and/or improve the rural infrastructure, thereby alleviating critical issues faced by the local communities, for the purpose of rural development. The following works have been completed from **Oct – 2017 to Mar - 2018**.

Sr. No.	Name of Work
1	Bitumen Road at crematorium at Lakhigam village
2	Construction of 8 new houses of Aavas Yojana at Lakhigam village
3	Repairing of 6 houses of Sardar Aavas Yojana at Navinagari (Lakhigam) village
4	Bus Stand at Dahej village
5	Construction of Toilet Block at Dahej Bus Stand
6	R. O water ATM plant at Dahej village
7	Community Hall at Luwara village
8	Washing Platform with underground water tank at Luwara village
9	Construction of store room at crematorium Jageshwar village
10	Renovation temple at Suva Village
11	R.O. Water Plants at 2 Primary Schools of Boys & Girls at Dahej Village

1. Construction of Bitumen Road at crematorium at Lakhigam:

For Fisherman community '*pagadiya*', it was difficult every day to reach at sea for fishing business because of bad condition of the road. People of Lakhigam were also facing

problems of easy going to crematorium placed on the same road. Construction of new road was felt need of the community which was well addressed by bitumen road.



2. Construction of 8 new houses of Aavas Yojana at Lakhigam village:

AF-Dahej took the initiative of building housing facilities to economically backward communities that would withstand heavy rains and other similar harsh climatic conditions thus enabling them to focus on their routine livelihood. In last six months, we have constructed 8 new Houses of Aavas Yojana at Lakhigam Village.



3. Repairing of 6 houses of Sardar Aavas Yojana at Navinagari (Lakhigam) village:

AF-Dahej took the initiative of repairing housing facilities to fisherman community that would withstand heavy rains and other similar harsh climatic conditions thus enabling them to focus on their routine livelihood. In last six months, we have repaired 6 new Houses of Sardar Aavas Yojana at Lakhigam village.



4. Construction of Bus Stand at Dahej Village:

We took this initiative to construct bus stand at the Dahej village, as Dahej being one of the prime location for most of the travelers coming from the surrounding villages, this bus stand provided to be helpful for all commuting from Dahej to different locations. It will provide proper sitting and waiting arrangements for the travelers during their commute.



5. Construction of Toilet Block at Dahej Bus Stand:

With Bus Stand, sanitation is basic amenity for comfort of the travelers. Thus, we have also constructed toilet block at Dahej Bus Stand to relax the students, workers and other daily travelers from this bus stand.



6. R.O. Water ATM Plant in Dahej Village:

At Dahej village we have provided R.O water ATM system along with attached room. 13495 nos. of Dahej Village population can be direct beneficiaries of safe & potable drinking water, which is very essential for human lives.



7. Construction of Community Hall at Luwara Village:

There was a request from the Gram Panchayat of Luwara to construct the community hall in their village. The purpose of the community hall to provide place to the community for various social gatherings, festivals celebrations and organise village level meetings and trainings. 1663 population of the villages will get benefit of this facility.



8. Washing Platform with U/G water Tank at Luwara Village:

Dhobighat with facility of underground water tank was much essential for the women to wash the clothes. There was no hygienic and clean facility for women to clean the clothes of their family. With the purpose to provide hygienic condition for washing, we constructed Dhobighat with providing services of enough water through **underground water tank**.



9. Construction of Store Room Crematorium Jagehwar Village:

The community of Jageshwar village approached to Adani Foundation with request to construct a small store room for firewood nearby their crematorium. They were facing difficulties to carry firewood every time whenever there is death in the village. The current store room construction will help the villagers to store their firewood and also it will be safe during monsoon season.

10. Renovation Temple at Suva Village:

There is a historical temple in the village of Suva. All people are celebrating their festivals and other social functions nearby temple. There was existing structure for gathering in very bad condition. Therefore it was required to do some renovation work in the existing

structure. We did renovation of the structure which will help the whole community of Suva village.



11. R.O. Water Plants at 2 Primary Schools of Boys & Girls, Dahej Village:

Safe and clean drinking water facility plays key role in students' health and as a result in increasing attendance in the school. Keeping this objective in mind, we helped Girls School of Dahej village to build R.O in the school. R.O. plant of capacity of 100 L /H is installed the school. 386 girl students will get benefit of safe and clean drinking water.

12. Utilization of fund – During 2017-18:

Sr. No.	Budget Areas	Budget Allocation for F.Y 2017-18	Budget Utilized up to Oct 2017 to Mar 2018
1.	Education	17.5	17.11
2.	Community Health	44	43.59
3.	Sustainable Livelihood Development	28.6	29.69
4.	Rural infrastructure development	175	174.71
Total		265.1	265.1