

Fw: Half yearly Compliance report of Environment and CRZ Clearance for Phase I & II of Adani Petronet (Dahej) Port Private Limited, Dahej (Oct'19 to Mar'20)

Devendra Banthia <Devendra.Banthia@adani.com>

Thu 5/21/2020 2:40 PM

To: Dilip Kumar Moolchandani <Dilip.Moolchandani@adani.com>

1 attachments (6 MB)

EC & CRZ Clearance Compliance_Phase_I_II_APDPPL_Dahej_OCT'19 to March'20.pdf;

26/5/20

कार्यालय/OFFICE
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forests & Climate Change,
क्षेत्रीय कार्यालय (पश्चिम क्षेत्र) / Regional Office (Western Zone)
भोपाल (म.प्र.) / BHOPAL-462016

From: Om Prakash Yadav <OmPrakash.Yadav@adani.com>

Sent: Thursday, May 21, 2020 1:05 PM

To: Devendra Banthia <Devendra.Banthia@adani.com>

Cc: Kaushal Singh <Kaushal.Singh@adani.com>; Harsh Yadav <Harsh.Yadav@adani.com>; Shalin Shah <Shalinm.Shah@adani.com>

Subject: FW: Half yearly Compliance report of Environment and CRZ Clearance for Phase I & II of Adani Petronet (Dahej) Port Private Limited, Dahej (Oct'19 to Mar'20)

Dear Sir,

As discussed, please find the enclosed half yearly Environment & CRZ Clearance Compliance Reports (Phase I & II) for the period: October, 2019 to March, 2020 of APDPPL, Dahej.

You are Request to please submit to APCCF, Western Regional Office, MOEF&CC, Bhopal; respectively as earliest as possible.

Thanks with regards

Om Prakash Yadav

Executive – HSE | Adani Petronet (Dahej) Port Pvt Ltd

Mob +91 6357160022 | Off Ext. - 51085 | omprakash.yadav@adani.com | www.adaniports.com

At & PO Lakhigam, Taluka Vagra, Via Dahej, Bharuch 392 130, Gujarat, India.

From: Om Prakash Yadav

Sent: Wednesday, May 20, 2020 10:18 AM

To: rowz.bpl-mef@nic.in

Cc: bharuchgpcb@yahoo.com; brnaidu.cpcb@nic.in; chairman-gpcb@gujarat.gov.in; gpcb-bha@gujarat.gov.in; mefcc.ia3@gmail.com; monitoring-ec@nic.in; compliance.seiaa.gujarat@gmail.com; Shalin Shah <Shalinm.Shah@adani.com>; Harsh Yadav <Harsh.Yadav@adani.com>; Manoj Katar <Manoj.Katar@adani.com>; Kaushal Singh <Kaushal.Singh@adani.com>

Subject: Half yearly Compliance report of Environment and CRZ Clearance for Phase I & II of Adani Petronet (Dahej) Port Private Limited, Dahej (Oct'19 to Mar'20)

Om Prakash Yadav

From: Om Prakash Yadav
Sent: Wednesday, May 20, 2020 10:37 AM
To: rowz.bpl-mef@nic.in
Cc: bharuchgpcb@yahoo.com; brnaidu.cpcb@nic.in; chairman-gpcb@gujarat.gov.in; gpcb-bha@gujarat.gov.in; mefcc.ia3@gmail.com; monitoring-ec@nic.in; compliance.seiaa.gujarat@gmail.com; westzonecpb@yahoo.com; Shalin Shah; Harsh Yadav; Kaushal Singh; Manoj Katar
Subject: Half yearly Compliance report of Environment and CRZ Clearance for Phase III of Adani Petronet (Dahej) Port Private Limited, Dahej (Oct'19 to Mar'20)
Attachments: EC & CRZ Compliance Report_Phase_III_APDPPL_Dahej_Oct'19 to March'20.pdf



Ports and
Logistics

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

Date: 15.05.2020

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 2019 to March 2020.**

Ref.:- 1) Environmental and CRZ Clearances granted to M/s. Adani Petronet (Dahej) Port Pvt Ltd for **Phase-II** 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-II** vide letter dated 14/03/2016 bearing No.: ENV-10-2015-171-E.

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

Thanking you,

Yours Faithfully,
For **M/s Adani Petronet (Dahej) Port Pvt. Ltd.**


(Authorized Signatory)

Copy to:

1. The Director (Monitoring-IA Division), Ministry of Environment, Forest & Climate Change, Indira Paryavara 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 VM Ward office No. 10, Subhanpura, Vadodra-390 023.
4. The Chairman, Gujarat Pollution Control Board, Parvayaran Bhawan, Sector-10A, Gandhinagar-38201 (Gujarat).
5. The Regional Officer, Gujarat Pollution Control Board, Bharuch (Gujarat).

Thanks with regards

Om Prakash Yadav

Executive – HSE | Adani Petronet (Dahej) Port Pvt Ltd

Mob +91 6357160022| Off Ext. - 51085 | omprakash.yadav@adani.com | www.adaniports.com

At & PO Lakhigam, Taluka Vagra, Via Dahej, Bharuch 392 130, Gujarat, India.



Ports and
Logistics

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

Date: 15.05.2020

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 2019 to March 2020.**

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

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

Thanking you,

Yours Faithfully,

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

(Authorized Signatory)

Copy to:

1. 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
At & PO Lakhigam
Taluka Vagra, Via Dahej
Bharuch 392 130
Gujarat, India
CIN: U63012GJ2003PTC041919

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

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

Sr. no.	Conditions	Status/Action taken
(i)	'Consent for Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.	Complied. Consent for establish was obtained from Gujarat Pollution Control Board vide no 71696 dated 08.09.2015, valid up to 07.07.2020. 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.	Being Complied There is no damage to Mangrove due to project activity. Free flow to the mangroves near the project area is maintained.
(iv)	The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.	Complied. 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. National Institute of Ocean Technology, Chennai has carried out study on shoreline changes in the vicinity of Dahej Port. The results of shoreline change analysis using high resolution satellite images since 2011 deposition along the northern sector, erosion along southern sector and almost stable along the southeastern sector. The seasonal and yearly shoreline changes indicates the dynamic nature of the coastline. Report of shoreline change analysis was

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

Sr. no.	Conditions	Status/Action taken
		submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 23.11.2019.
(vi)	The commitments made during the Public Hearing and recorded in the Minutes shall be complied with letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.	Complied. All the commitments made during the public hearing have been complied with. An action taken report is enclosed as Annexure 1 .
(vii)	All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster management Plan shall be strictly complied with.	Being Complied <ul style="list-style-type: none"> All conditions stipulated in the EC and CRZ clearances are being complied with. A separate six monthly compliance report is being submitted to MoEF&CC and other authorities. All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 4. APDPPL has a well-defined DMP and regular mock drills are being conducted. DMP is also reviewed at regular interval. Last Mock drill was conducted on 27.02.2020. Last revision in the DMP was done on 01.12.2019.
(viii)	The material for reclamation shall be sourced only through Government approved quarry. The quarried material shall be free from all kinds of contamination and high organic carbon contents. The same should be tested prior to reclamation.	Being Complied 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.
(ix)	The coal shall be stored only in designated stock yard with dust control measures viz. wind screen of height at least 2 m above the coal stock, made of fabric/HDPE, water sprinkler arrangement, green belt of at least three layers of suitable trees and scrubs.	Being Complied 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.
(x)	The coal from the ships shall be conveyed through closed conveyor to the coal stock yard. The conveyor shall be	Noted for Compliance. Mechanization of South Berth is yet to be implemented. After project completion coal

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

Sr. no.	Conditions	Status/Action taken
	seamless without joints/transfer points.	will be transported through closed conveyor to the coal stock yard. The alignment of the conveyer will be based on the 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.	Being Complied 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.	Complied. The mangrove plantation of 50 ha has been completed at Village Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise Limited (SAVE). Report of 50 ha Mangrove Plantation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 29/05/2019.
(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.	Being Complied <ul style="list-style-type: none"> At mechanized berth of APDPPL, cargo is handled through conveyor system. Material handling system is equipped with Dry Fog Dust Suppression System. Coal storage yard is equipped with dust suppression system. After mechanization of south berth, desired pollution control measures shall made as a part of material handling system.
(xiv)	Disposal sites for excavated material should be so designed that the revised land use after dumping and changes in the land use pattern do not interfere with the natural drainage	Being Complied All the construction activities are as per the approval received under CRZ notification 2011 and EIA notification 2006. During Project (Phase III) implementation, it will be ensured that there shall not be any interference with the natural drainage of the area.
(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 met 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	Complied. <ul style="list-style-type: none"> Domestic effluent is being treated in STPs. The treated water confirming to the norms

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

Sr. no.	Conditions	Status/Action taken
	conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.	<p>is being used for horticulture purpose.</p> <ul style="list-style-type: none"> The monitoring results of the treated wastewater from STP for the period from October, 2019 to March, 2020 are enclosed as Annexure –3F. 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.	<p>Complied.</p> <p>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.</p>
(xviii)	Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation , mangroves and other marine biodiversity components as part of the management plan.	<p>Complied.</p> <p>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, 2019 to March, 2020 are enclosed as Annexure 3C and 3D.</p>
(xix)	The marine ecology management plan being drawn up with regards to the environmental impacts of natural disasters, oil spills and other wastes, dredging and dumping on marine ecology (all micro, macro and mega biotic components) shall be scrupulously implemented. It shall be ensured that the marine ecology in the area of influence is not adversely affected.	<p>Being Complied</p> <ul style="list-style-type: none"> No waste or dredged material is dumped so as to disturb the marine ecology 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, 2019 to March, 2020 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.	<p>Complied.</p> <p>Marine ecology is being monitored through M/s Pollucon Laboratories, a NABL accredited and MoEF&CC recognised laboratory. Reports show that there are no significant changes in the marine ecology indicators. Reports for the period of October 2019 to March, 2020 are enclosed as Annexure 3C and 3D.</p>

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

Sr. no.	Conditions	Status/Action taken
(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, 2019 to March, 2020 Periodic Mock drills are conducted. Latest mock drill was conducted on 27.02.2020.
(xxii)	All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report.	Being Complied All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 4 .
(xxiii)	Ships/barges/vessels shall not be allowed to release any oily bilge waste or ballast water in the sea. Any effluents from the Jetty which have leachable characteristics shall be segregated and recycled/ disposed as per SPCB guidelines. Ships/vessels calling at the jetty shall not dump waste/bilge water during the berthing period.	Being Complied There is no discharge of oily bilge waste or ballast water in the sea within port limit. APDPPL is not accepting any kind of Hazardous Waste from ships/vessels.
(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. Test reports of emission from DG sets are enclosed as Annexure 3H.
(xxv)	All the mechanized handling systems and other associated equipment's such as hoppers, belt conveyors, stacker cum reclaimers shall have integrated dust suppression systems. Dust suppression systems shall be provided at all transfer point.	Being Complied <ul style="list-style-type: none"> 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 be made as a part of material handling system.
(xxvi)	No product other than permitted under	Complied.

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

Sr. no.	Conditions	Status/Action taken
	the CRZ Notification, 2011 shall be stored in the CRZ area.	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, 2019 to March, 2020 is enclosed as Annexure 3.
(xxviii)	All the mitigation measures suggested in the EIA report and the marine environment study of CWPRS, Pune shall be implemented. The compliance for each of these measures shall be submitted to concerned SPCB and R.O. of this Ministry along with six monthly compliance reports.	Being Complied <ul style="list-style-type: none"> All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 4.
(xxix)	It shall be ensured by the Project 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 welfare measures as proposed under the CSR Programme. This shall be taken up on priority.	Complied. The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same for the period of October, 2019 to March, 2020 is attached as Annexure – 2.
(xxxi)	The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.	Complied. APDPPL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as Annexure – 7.
(xxxii)	The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Complied. Separate budget is allocated for Environmental Management. Key components of environment budget are environmental Monitoring, STP's (Operations and

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

Sr. no.	Conditions	Status/Action taken
		Maintenance), Closed Conveyor System Maintenance etc. The allocation of budget for the FY 2019-20 was approx. Rs. 407.26lacs. Details of the environmental budget and expenditure during compliance period from October 2019 to March 2020 is enclosed as Annexure – 6.
(xxxiii)	The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.	Being Complied All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure – 4.
(xxxiv)	Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system, measures to be taken for protection. One set of environmental manual shall be made available at the project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.	Complied <ul style="list-style-type: none"> APDPPL has prepared operating manual for all activities and is certified for ISO 14001: 2015, ISO 9001: 2015 and ISO 45001:2018 Complete set of operating manual is available at site. Regular awareness sessions are organized for each level of employee as per the training need identification (TNI) done by HR department. All the schedules and results of environmental monitoring are available at EHS department at project site.
(xxxv)	Corporate Social Responsibility: <ol style="list-style-type: none"> The Company shall have a well laid down Environment Policy approved by the Board of Directors. 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. 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. To have proper checks and balances, 	Being Complied <ul style="list-style-type: none"> Company has an Environment Policy. All the requirements mention in the condition are being met through Environment Management System (ISO 14001:2015). The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions (Environment Cell Organogram) is enclosed as Annexure – 7. APDPPL has form a management review committee-comprising of various heads of departments and chaired by site head. This review committee meets once in six month

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

Sr. no.	Conditions	Status/Action taken
	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.	to review and monitor EHS performance of the site. All action items are being recorded and implemented.
B. General Conditions.		
i	Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.	Being Complied 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 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.	Being Complied <ul style="list-style-type: none"> APDPPL is regularly submitting six monthly compliance reports which comprises of Compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports etc. Whenever any authorities such as MoEF&CC, GPCB and GMB etc. visit the APDPPL full support is extended and APDPPL provides all additional information seek by them during the inspection. Recent visit of Gujarat Pollution Control Board was on 27.12.2019.
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 submitting six monthly compliance reports which comprises of compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports and EMP Status etc. and Last submission was on done vide letter No. APPPL-EHS/MOEF RO/EC Comp (III) dated 23.11.2019.
iv	Ministry of Environment, Forest and	Noted and Agreed.

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

Sr. no.	Conditions	Status/Action taken
	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	
v	The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.	Noted & Agreed.
vi	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest and Climate Change.	Complied 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.	Complied <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, valid up to 07.07.2020 Start of land development (23 Ha. reclamation) work 17.10.2017.
viii	A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been made received while processing the proposal.	Complied Copy of the clearance letter is submitted to concern Panchayat/ local NGO by hand and by register speed post. Copy of the acknowledgement and receipt of speed post were submitted along with half-yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III), dated 28.11.2017.
ix	A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days	Complied This condition does not belong the project proponent, however, APDPPL has submitted request letter along with a copy of environment clearance letter for display to Gujarat Pollution Control Board, District Industries Centre and Collector's Office vide letter dated 27.10.2016.
11	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the	Noted & Agreed

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

Sr. no.	Conditions	Status/Action taken
	Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter.	
12	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.	Complied <ul style="list-style-type: none"> For storage of HSD approval has been taken from PESO vide letter no P/WC/GJ/14/3668(P221616) and valid up to 31.12.2022. 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 DOEF. Clarence 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 publish 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	Complied. The status of environment clearance conditions is available on company website

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

Sr. no.	Conditions	Status/Action taken
	by the project proponent in its website.	that i.e. www.adaniports.com/ports-downloads
16	Any appeal against this Clearance shall lie with the National 18 Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of The National Green Tribunal, Act, 2010.	Noted.
17	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied <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 23.11.2019
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 23.11.2019. Copy of report is also available on company website i.e. www.adaniports.com/ports-downloads Same has been sent by email to RO, GPCB, Bharuch, MS, GPCB(Gandhinagar) Regional office, Bhopal, MoEF & CC on 23.01.2019.

Part B: Six monthly compliance report for CRZ Clearance/recommendation for development of Multi Cargo Port Terminal Phase – III		
Sr. no.	Conditions	Status/Action taken
1	The provisions of the CRZ Notification of 2011 shall be strictly adhered to by M/s APDPPL. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by M/s APDPPL	Complied. <ul style="list-style-type: none"> All the construction activities are being carried out as per the provisions of CRZ notification 2011 and EIA notification 2006. No activity or work other than those permitted in Coastal Regulation Zone Notification has been carried out in Coastal Regulation Zone area.
2	The APDPPL shall ensure that there shall not be any blockage of creek and free flow of water is maintained	Complied. No creeks are blocked due to project activity.
3	The APDPPL shall have to comply with the agreement made by them with GACL regarding re-routing of the pipeline of GACL and M/s APDPPL shall have to borne the cost as per agreement.	Complied. Re-routing of the pipeline of GACL has been completed and all expenditure has been borne by APDPPL.
4	The APDPPL shall not construct any storage facilities for material/chemicals in the CRZ area except for those permissible as per Annexure – II of the CRZ Notification -2011. Also for other Hazardous chemical, outside CRZ areas, the APDPPL shall have to consult SDMA for Disaster Management Plan.	Being Complied <ul style="list-style-type: none"> APDPPL is handling 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 27.02.2020. Last revision in the DMP was done on 01.12.2019.
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.valid up to 07.07.2020 For storage of HSD approval has been taken from PESO vide letter no P/WC/GJ/14/3668(P221616) and valid up to 31.12.2022. 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 DOEF. 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.	Complied There is no damage to Mangrove due to project activity. Free flow to the mangroves near the jetty approach is maintained.
7	All the recommendation and suggestions	Being Complied

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

Sr. no.	Conditions	Status/Action taken
	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.	<ul style="list-style-type: none"> All the recommendations and suggestions given by NIO, M/s Cholamandalam in the EIA are being complied. Copy of the status of EMP recommendations is enclosed as Annexure 4.
8	The construction and operational shall be carried out in such a way that there is no negative impact on mangroves, if any, and other important coastal/ marine habitats. The construction activities shall be carried out only under the guidance / supervision of the reputed institute/ organization.	Being Complied <ul style="list-style-type: none"> Construction and operation activities are being done in such a way that there is no impact on the mangroves. Free access to the "Pagadiya" fishermen is available. There is no impact on fishermen livelihood due to project activity. Gujarat 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.	Complied <ul style="list-style-type: none"> No debris or other construction waste is being disposed into the sea, creek or in CRZ areas. Reclamation of the area is being done as per the approval received.
10	The construction camps shall be located outside the CRZ area and the construction labour shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labours.	Complied No labour camps are located in Coastal Regulation Zone area. Labours are managed through contractors and they are from surrounding villages and have been provided residential facilities in the surrounding villages.
11	M/s APDPPL shall prepare and regularly update the local oil spill contingency and Disaster Management Plan in consonance with the National Oil Spill and Disaster Contingency plan and shall submit the same to this Department after having it vetted through the Indian Coast Guard.	Complied <ul style="list-style-type: none"> Oil Spill Contingency Plan is submitted to Coast Guard, Gandhinagar for verification vide letter dated. 10/10/2012. 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 27.02.2020. Last revision in the DMP was done on 01.12.2019.
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	Complied.

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

Sr. no.	Conditions	Status/Action taken
	supported on piles allowing adequate flow of water without significant obstruction	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 19.3894 ha including periphery of the project boundary. Detailed plan of the green belt development plan is enclosed as Annexure - 5 .
16	Mangrove plantation in 50 Ha. Shall be carried out in consultation with the Gujarat Ecology Commission/ Forest Department by M/s APDPPL within a period of two years from the date of issuance of the CRZ clearance by the MoEF&CC, GOI and an action plan in this regard shall be submitted to this Department along with satellite images and GPS readings with Latitudes and Longitudes.	Complied. The mangrove plantation of 50 ha has completed at Devjagan, Jambusar taluka in consultation with M/s. Saline Area Vitalization Enterprise Limited (SAVE). Report of 50 ha Mangrove Plantation was submitted along with half yearly compliance report vide letter no. APPPL-EHS/MOEF RO/EC Comp (III) dated 29/05/2019.
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.	Being Complied <ul style="list-style-type: none"> Area identification for Bio shield project is done at Malpur and Isanpur village, Jambusar Taluka, Bharuch district is completed. M/s. Saline Area Vitalization Enterprise Limited (SAVE) is carrying out Bio Shield development programme in collaboration with local villagers. <p>Some highlights of project is as below;</p> <ul style="list-style-type: none"> Area to be developed: 20ha Width: 200 – 300 mt. Length: 1,000 mt. (01 Km) Plants: Mangroves, Pilu (Salvadora, Unt Morad and local grass species Completion Period: 36 Months A mangrove nursery having 35150 saplings has been developed by SAVE in association with village women, these

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

Sr. no.	Conditions	Status/Action taken
		<p>women will be executing the process of Bio shield right from plantation to gap filling and maintenance.</p> <ul style="list-style-type: none"> In the period from December- January, the sapling counting of the Nursery was done and is was found that 27110 Plants are living, which is around 77% survival Nursery formation completed and mangroves plantation, Gap filling and maintenance on Sea-side was under process during compliance period. Final report will be submitted along with compliance on completion of Bio Shield development Programme.
18	M/s APDPPL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in consultation with the Forests and Environment Department and the District Collector / District Development Officer.	<p>Complied.</p> <p>The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same for the period of October, 2019 to March, 2020 is attached as Annexure – 2.</p>
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.	<p>Complied.</p> <p>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 2019-20 was approx. Rs. 407.26lacs. Details of the environmental budget and expenditure during compliance period from October 2019 to March 2020 is enclosed as Annexure – 6.</p>
20	A separate Environment Management Cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project	<p>Complied.</p> <p>APDPPL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Detail of the Environment cell is enclosed as Annexure – 7.</p>
21	Environmental Audit report indicating the changes, if any, with respect to the baseline environment quality in the coastal and marine environment shall be submitted every year by M/s APDPPL to this Department as well as to the MoEF&CC, GOI.	<p>Being Complied</p> <ul style="list-style-type: none"> The quality of ambient air, treated effluents, sea water and sediment, ground water and noise levels is being monitored through M/s Pollucon Laboratories, a NABL accredited agency. Monitoring Reports for the period of



**Adani Petronet (Dahej) Port Private
Limited**

**From : Oct., 2019
To : March, 2020**

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

Sr. no.	Conditions	Status/Action taken
		October, 2019 to March, 2020 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 submitting six monthly compliance reports which comprises of compliance to the conditions stipulated in Environment and CRZ clearance, environment monitoring reports, status of EMP etc.Last submission was done on vide letter No. APPPL-EHS/MOEF RO/EC Comp (III) Dated 23.11.2019.
23	Any other condition that may be stipulated by this Department / Ministry of Environment, Forest and Climate Change, Government of India from time to time for environmental protection / management purpose shall also have to be complied with by M/s APDPPL.	Noted and agreed to comply with Any other condition that may be stipulated by this Department / Ministry of Environment, Forest and Climate Change, Government of India from time to time for environmental protection.

Annexure – 2

Corporate Social Responsibility Report

Half Yearly Report- Adani Port- Dahej (October to March, 2019- 20)

Education

Learning Enrichment Program

Learning Enrichment Program (LEP) implemented by Vidhya Bharati Foundation, Ahmedabad in 8 Govt. schools of Lakhigam, Suva, Luwara, Dahej, Jolwa, Jageshwar and Atali. Objective of this program is to filling the gap of minimum level of learning in Gujarati language and Arithmetic. 350 students of standard 3rd to 5th were enrolled under this program. Life skills training were also imparted to 813 students of std.6th to 8th of these schools.

In Learning Enrichment Program students were categorized into 10 levels as per the guidelines of Gujarat Education Department. Remedial classes, activity based, periodical evaluation & appreciation encouraged students to do better. As a result, out of 180 students enrolled in Gujarati language moved to the next level and in Arithmetic 108 promoted to next level.

No. of students in remedial classes:

Sr.	School	Remedial (Gr. 3 to 5)
1	Dahej Kumar School	22
2	Dahej Girls School	24
3	Primary Mix School, Lakhi village	19
4	Primary Mix School, Luvara	19
5	Primary Mix School, Jageshwar	28
6	Primary school, Jolva	19
7	Primary school, Suva	29
8	Ashramshala, Atali	20
	Total No. of Students	180

S.N	Level	OCT`19	NOV`19	DEC`19	JAN'20	FEB'20	MAR'20
1	0	53	53	31	25	19	19
2	1	46	46	30	29	29	26
3	2	41	40	38	32	23	18
4	3	27	27	33	29	17	16
5	4	9	9	36	19	21	15
6	5	0	0	8	32	23	15
7	6	0	0	1	13	24	11

8	7	0	0	0	0	19	27
9	8	0	0	0	0	4	19
10	9	0	0	0	0	0	10
11	10	0	0	0	0	0	3
12	Main Stream	0	0	0	0	0	0
13	Absent	3	4	2	0	0	0
14	Left	1	1	1	1	1	1
15	Total	180	180	180	180	180	180

ARITHMETIC : PROGRESS OF LEARNING LEVEL

S.N	Level	OCT`19	NOV`19	DEC`19	JAN`20	FEB`20	MAR`20
1	0	129	130	116	95	76	70
2	1	45	45	34	36	34	30
3	2	0	0	18	30	22	13
4	3	0	0	8	12	15	15
5	4	0	0	0	4	22	16
6	5	0	0	0	1	5	12
7	6	0	0	0	0	3	15
8	7	0	0	0	0	1	4
9	8	0	0	0	0	0	2
10	9	0	0	0	0	0	1
11	10	0	0	0	0	0	0
12	Main Stream	0	0	0	0	0	0
13	Absent	5	4	3	1	1	1
14	Left	1	1	1	1	1	1
15	Total	180	180	180	180	180	180

Success Stories:



Teacher, I don't like to study. - Tushar

Tushar is a hyperactive student. He is always found occupying the last benches of the class doing pranks. He was least concerned whether the teacher is present or not, or what is being taught in the

class. He was always busy playing the fool and least interested in studies. Neither does he study nor does he allow anyone else to do so and if he is called he does not respond.

To understand his strange behaviour once I asked him why he does not study. He replied "Teacher, I do not like study." From his reply I realised that the activity called Study did not interest him at all. It was for him real hard work. He was a bundle of energy which is spent having fun. All he was interested was to play mischief all day long enjoying himself and make everyone around him laugh.

To make any changes in students it is important for the teacher to start from the position where the student is and then move forward. Tushar is a student whose existence is to have fun. I realised that if we can introduce the element of fun into studies the teaching game can be won.

From the next class onwards I turned all teaching into games which Tushar and then all his class mates enjoyed. Day by day the students made good progress learning their lesson the "Playing way". Soon all were happy. The students realised that they are indeed "clever" and the teacher was happy for the changes he had made in the student.

Tushar was now, not a back bencher but an active participating student. Beginning with the identification of the alphabet, he gradually began to read, write words, sentences and paragraphs. His mischief making days were over and to everyone's shock he became a lover of studies. The kid who didn't even stand up and speak his name in class, now leads the games and sings the Barakshari. He does homework regularly.

Tushar also find the teacher's new approach to teaching is encouraging. What he could not learn earlier is learnt by him now faster. His class teacher now praises him by saying "Tushar is responding in studies and has become a wise boy".

Due to his participation in various activities in school, the principal has called me during the teachers meet and honoured by three steps clapping.

I said, "Sir, Tushar has played an important role for his own transformation. No one can change without their own acceptance. Many possibilities are hidden and unexplored in him. I request that you come to our class and encourage him. "

When the Principal has praised him in front of class, I saw the expression on his face and remembered his words "Teacher, I don't like to study".

- LEP Teacher

VIRAL



Class of Learning Enrichment Program started at school. The 'PRIYA (favourite)' students (Weak in academics) playing educational game called 'Khul Ja Sim Sim' with teacher. Viral came to the door and said "Main Aau Teacher?". Teacher said "Why is it late, Son?" Viral said in his Gujarati-Hindi mix language "Mai, Moda Ho Gaya, Teacher" And whole class laughed loudly, Tears were in his eyes because he became fun factor of his class.

Viral is a very sensitive boy, if someone speaks loudly with him, he starts weeping.

Teacher has made the class quiet, called Viral near to her and made him calm with love and asked to the students "Why you all laughed? Then students told "Viral always speaks in Hindi & Gujarati mix". Teacher said "It happens, if somebody belongs to other state and studying in Gujarati School, so those people can't speak properly, there is no point to laugh on it."

Everybody replied, "Teacher, he is Gujarati but because most of the time he is watching Hindi Serials in TV ". Teacher makes viral understand "Beta, we should watch the program which one likes the most. If we watch TV whole day, we can harm our eyes as well as our time. But why is it that you are so late in the class?"

Before Viral say something, all said "He would be drawing picture". Teacher said "Drawing picture? Viral becomes quiet and calm and to say yes nodded his head only. Teacher said "Would you like to draw pictures?" Students said "Yes Teacher, He always draws". Viral gained courage and said "No Teacher, Not all the time but whenever I get the time then only" Teacher said "so, what is wrong in that? This is your own skill. Please show me your pictures"

Viral has opened a treasure trove of pictures from his drawing book. Teacher surprises while observing his art of drawing and passion. Teacher said "Wow, wonderful, how beautiful pictures you can draw!!!, You are so talented my dear son!!!" His sad face became the nail rose with proud smile and said "But Teacher, I do not know to read, write and calculate, I am far behind in the class". Teacher said "Don't worry Beta, Now this is my responsibility, I will teach you everything and you will also draw pictures".

Whole class said "Teacher, secretly, Viral has also drawn your picture". Teacher said, "Wow, let me see Beta". Teacher hugged him by seeing her picture. Then Viral became a regular student of the class and playing all the academic games. At the end of the year Viral learned all the necessary things with his passion of drawing.

On the last day of school, Viral has wrapped a small box of gift from the discarded one, picked up a flower from the garden of school and presented to his teacher. Teacher eagerly opened and looked inside a small box, there is a small eraser, a cartoon portrait of a mischievous child wrapped with dupatta of teacher. And 'THANK YOU TEACHER' was written in a small chit.

Today, Teacher was not in position to control her tears....

- **LEP Teacher**

LIFE SKILL EDUCATION:

Objective:

Under the Learning Enrichment Program, a life-skills and character-building curriculum is running along with remedial education. Including various skills that can withstand practical life challenges, as well as the morale value of being a responsible citizen.

The teacher who is appointed in the school by the institute for remedial teaching education in grades 3 to 5 also teaches a life skill course in the free period to grades 6 to 8. So that the regular course of this standard is not disturbed. Since students are very interested in these various activities and fun way method, there is a willingness in them to participate.

Syllabus & approach of implementation:

This course is designed for students in grades 6 to 8. It includes activity based 30 lessons yearly for each standard. Each term has 15 lessons to teach. There is a total of 90 lessons course for grades 6 to 8.

Life skills have been defined by the World Health Organization (WHO) as "abilities for adaptive and positive behavior that enable individuals to deal effectively with the demands and challenges of everyday life".

The syllabus is designed based on the following topics:

- Self-Awareness (2)
- Communication (3)
- Problem solving Capability
- Critical Thinking
- Emotional intelligence
- Sensitivity
- Interpersonal relation
- Decision Making
- Creative Thinking
- Stress Management Capability

This course is designed specifically for students in the age group of 10 to 18 years to live a meaningful life as a future citizen. So that they have a sense of purpose, self-esteem, goals, ambition, higher vision etc. towards the country.

There is no specific tool to measure the level of understanding and sensitivity developed in the students. So we have not compelled any examination of it.

No. of Students in Life Skill Education:

Sr.	School	Life Skill (Gr. 5 to 8)
1	Dahej Kumar School	160
2	Dahej Girls School	135
3	Primary Mix School, Lakhi Village	190
4	Primary Mix School, Luvara	84
5	Primary Mix School, Jageshwar	64
6	Primary School , Jolva	61
7	Primary School , Suva	65
8	Ashram School , Atali	54
	Total No. of Students	813

Success Stories:**Teacher, now I don't eat outside food ...**

As a part of Life Skill education course, I taught 3 lessons of 'Eating Habits of Good Food' in Std. 6th.

I observed, a student Vrushali was learning with full of concentration in the class.

A few days later, she meets me in the recess and shows her lunch box. I asked, what is it? She replied, "Teacher, see and have a homemade breakfast. I told my mom that the teacher always tells that if we eat outside food we would get sick. So now my mom makes breakfast every day at home. "

I know that most of the children use to eat packed food available outside the school during the recess like wafers etc.

I was very happy to see the smiley face of Vrushali. I felt that what a positive impact was on an innocent mind by the power of our words.

The Life Skill education creates an understanding of small but meaningful things in our life. In the long term, it forms habit and makes our life very successful.

The motivated face of Vrushali and her trust inspires me towards my work with more enthusiasm.

- LEP Teacher
Kanyashala, Dahej

Harpaksh**An aroma of understanding**

There was a deep thought in my mind that while teaching and learning process of each and every values of life skill education gives me something missing somewhere in my life. Various aspects of value education such as self-awareness, creativity, communication, identifying and bringing out the talent, development of thoughtfulness, etc. taught a lot in life.

Learning was more fun during one-on-one activities than just teaching. I become as curious as children. The petals began to grow from each bud of understanding while thinking with kids about each activity and scent of the floral of understanding began to spread.

A question raised in mind if I learned it in my childhood? But I am blessed because this is not too late.

Harpaksh Lathia, a student of Std.7th who grew up like flower in the garden while conducting the activity. It is felt that his laughter spreads the aroma of understanding. In the activity of each chapter his enthusiastic involvement is very noticeable, He absorbs a lot from small things and one can see it in his behaviour. I have observed expanding horizon of his understanding.

His strong self-confidence, sweet speech with the sense of how much and how to speak and where to keep silence. In front of audience, he can effectively deliver the thoughts with free flow speech.

All of this makes him a winner of the debate competition of Group Schools of Dahej area.

In the primary education, if a child's conceptual power develops the complexity of life become clear. Lead the life with true understanding; he can evaluate himself at each and every step of life.

On behalf of Adani Foundation and Vidyabharti Foundation, when I participate in such activity at School, I feel peace and calm in the stressful life.

- LEP Teacher,

Primary Mishra School, Lakhigam

Glimpses of Life Skill Education:





Teachers Training

07 days training for the teachers conducted during at Kumarshala, Dahej. All the teachers with coordinator have participated with very enthusiasm. The sessions conducted by Mr. Jayesh Rathod and Mrs. Jeeta Trivedi.

. Particulars of Teachers Training:

Sr.	From	To	Days	Participants
1	28-11-2019	30-11-2019	3	9
2	26-02-2020	29-02-2020	4	9
Total Days			7	18

Topics covered:

- New Evaluation System of Remedial Education
- Orientation & Implementation of remedial classes for new teachers
- Syllabus of Life Skill Education Semester 1st & 2nd.
- Orientation of Joyful Learning of Social Science subject.

**JOYFUL LEARNING CAMP:**

Date: 3rd to 7th February , 2020,

Subject: Social Science

Joyful Learning (Fun education) Camp at Government Primary School in Dahej Cluster is organized by Vidyabharti Foundation for the children of grades 6 to 8. This is a one day camp. During 3rd to 7th February, 2020, it was done in 5 schools. Keeping the social science subject as the core part in mind, through various activities in-depth content for understanding the subject was given, so that children would enjoy variety of activities. Activities that develop understanding with fun were organized covering the various lessons of social science from grades 6 to 8.

The students, teachers and principal of every school participated enthusiastically in this camp and responded positively. They too saw flashcards and monitored and appreciated the activity. They said that excellent content of the subject is given in the card. Tough content of activity, maps, sample of things, various educational materials like game and flash card, through the module and techniques of learning the children participated peacefully and learnt a lot of new things. By this way of teaching children could remember for a long time the activities taught to them.

Facilitators of the camp: Jayesh Rathod, **Collaboration:** Ms. Krupali Parmar as well as LEP teacher appointed by the Vidyabharti and Adani Foundation.

Details of the number of children attending the camp and their school name:

No .	Date	Name of the School	Subject	Grade	Number of students
1.	03-02-2020	Ashram school, Atali	Social Science	6,7,8	68
2.	04-02-2020	Primary School, Jolva	Social Science	6,7,8	62
3.	05-02-2020	Primary School, Suva	Social Science	6,7,8	87
4.	06-02-2020	Primary School, Jageshwar	Social Science	6,7,8	74

5.	07-02-2020	Primary School, Luvara	Social Science	6,7,8	63
Total					354

Activities conducted for the different grades:

No.	Std.	Activity
1.	6	Lets play with maps
2.	6	Lets assume
3.	6	Hey there it is!
4.	7	Learn to fill the information
5.	7	Along with time
6.	8	Let's play the court
7.	8	India's today & tomorrow



Community Health

13897 patients were treated at Mobile Healthcare Unit in the period October 2019 to March 2020.

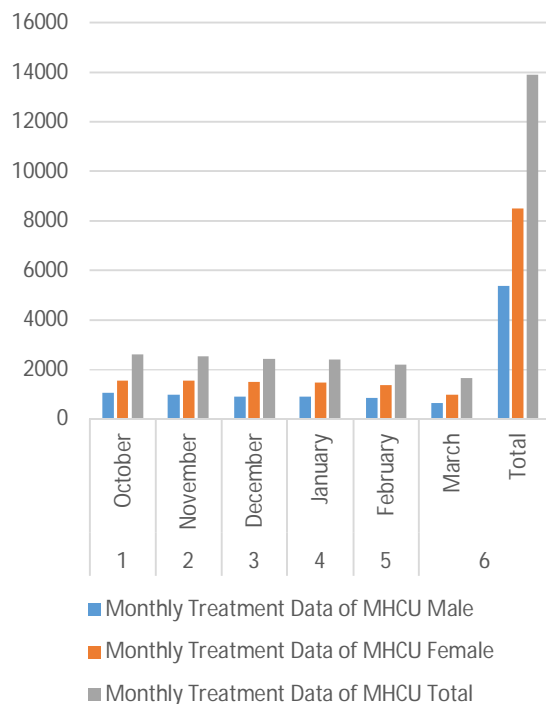
Monthly Treatment Data of MHCU

S.N	Month	Male	Female	Total
1	October	1070	1565	2635
2	November	971	1573	2544
3	December	918	1519	2437
4	January	904	1500	2404
5	February	865	1359	2224
6	March	656	997	1653
	Total	5384	8513	13897

General Health Camp Details

S.N	Village	Month	Total
1	Dahej	October	112
2	Lakhigam	October	25
3	Ashram shala Atali	November	53
4	Dahej	November	76
5	Ambheta	December	60
6	Jageshwar	December	48
7	Dahej	December	40
8	Jolva	January	42
9	Ashram shala Atali	January	52
10	Koliyad	February	48
11	Ashram shala Atali	March	31
	Total		587

Chart Title



Health Awareness Camp Details

S.N	Topic	Village	Date	Participants
1	Arthritis	Dahej	12-10-2019	112
2	Water Borne Diseases	Vengni	16-10-2019	37
3	Water Borne Diseases	Lakhigam	17-10-2019	26
4	Water Borne Diseases	Ambheta	18-10-2019	31
5	Sanitation	Lakhigam	19-10-2019	47
6	other	kaladara	21-10-2019	23
7	other	Jolva	22-10-2019	30
8	Sanitation	Lakhigam	24-10-2019	53
9	Hyper-Tension	kaladara	11-11-2019	31
10	Hyper-Tension	Suva	12-11-2019	42
11	Sanitation	Koliyad	13-11-2019	24
12	Diabetes	Lakhigam	14-11-2019	31

13	Diabetes	Ambheta	15-11-2019	45
14	other	Dahej	30-11-2019	33
15	Sanitation	Ambheta	06-12-2019	40
16	Sanitation	Jageshwar	07-12-2019	48
17	Sanitation	Dahej	28-12-2019	40
18	Sanitation	Jolva	11-01-2020	41
19	Sanitation	Atali Ashram Shala	29-01-2020	98
20	Sanitation	Koliyad	26-02-2020	53
			Total	885

Referral Details

S.N	Month	Total
1	October	58
2	November	14
3	December	14
4	January	10
5	February	10
6	March	5
	Total	111

Specialized Health Camp

A specialized health camp was organized on 9th February, 2020 in Govt. Primary School, Lakhigam. This camp was based on diagnostic pattern of patients treated at Mobile Healthcare Unit. **357** patients of 5 villages Lakhigam, Luvara, Jageshwar, Dahej and Ambheta were treated.

These patients were treated by Dr.Lukhman Seth (Orthopaedic Surgeon), Dr.Sohel Vajha (General Physician) and Dr.Rajat Bhatia (Dermatologist).

Some patients were common in all categories.

S.N	Disease/Treatment	No. of Patients
1	Skin disease	152
2	Arthritis	108
3	Hypertension & diabetes check	57
4	General complain	197
5	ECG	12



WORLD DIABETES DAY

World Diabetes Day was held on 14th November 2019 in Lakhigam & Ambheta villages. 109 people underwent blood sugar test. Awareness sessions were also organized. Dr. Pipalia and his team aware on hypertension, diabetes & complications.

All 109 people's weight and blood pressure were taken.



CLEANLINESS DRIVE



Pre-Condition: Dirty Lane



Post Drive: Clean Lane

Adani Foundation in association with Lakhigam Gram Panchayat, Helpage India and Narrotam Lal Foundation launched a cleanliness drive on 19th October, 2019 in Rathod Falia of Lakhigam village. School children were enthusiastically participated in this drive.

In August month there was heavy rainfall in project area. Lakhigam village was flooded as all drains, ponds and other potholes were choked with plastics. As a result, water entered in their houses. An awareness session was also held to encourage people to keep their water source clean.

Case Study

Name : Chhitubhai khushalbai Parmar
Age : 80 Years old
Gender: Male
Village : Jageshwar
Disease: Bronchial Asthama With Hyper-Tension

Family History: - Chhitubhai is 80 years old living in Jageshwar village located in Vagra Taluka. He had one son who expired in road Accident 25 years ago. His daughter got married and staying very far from this village and settled with her own family. Currently Chhitubhai and his wife (75 years) live together. Both are support of each other now.



Previously he was having temporary service in semi government to inspect the crop of cottonseed for 12 years and then he started his own farm in the year 1985. He did not find any profit from this farming hence given up the farming job. Now at present he is getting some nominal amount from some investment and leading his life. He does not have any other sources of income.

Medical History and Diagnosis: - Before 4 years he was suffering from chronic bronchial asthma. He took treatment from local Dr. Subhashbhai Dahej. He was having some urinary complaints and not recovered by local treatment and referred to Bharuch hospital. There he was operated, and recovered from the disease. After some days he got hypertension and it was not controlled. Then he went to Palm Land Hospital, Bharuch. His recovered from urinary tract problem but COPD was not recovered. He started treatment at MHU since 2 years. He was under regular check-up.

Current Status: - At present he feels better and performs his daily routine work. A good & regular counselling and medical advice can cure even the chronic disease. He is very happy for the treatment given by MHU and conveys warm regards to Adani Foundatuib & HelpAge India for treatment

Mr. Chhitubhai is thankful to ADANI Foundation and Help Age India for such a good service.

.....

Sustainable Livelihood Development

PASHUDHAN PROGRAM

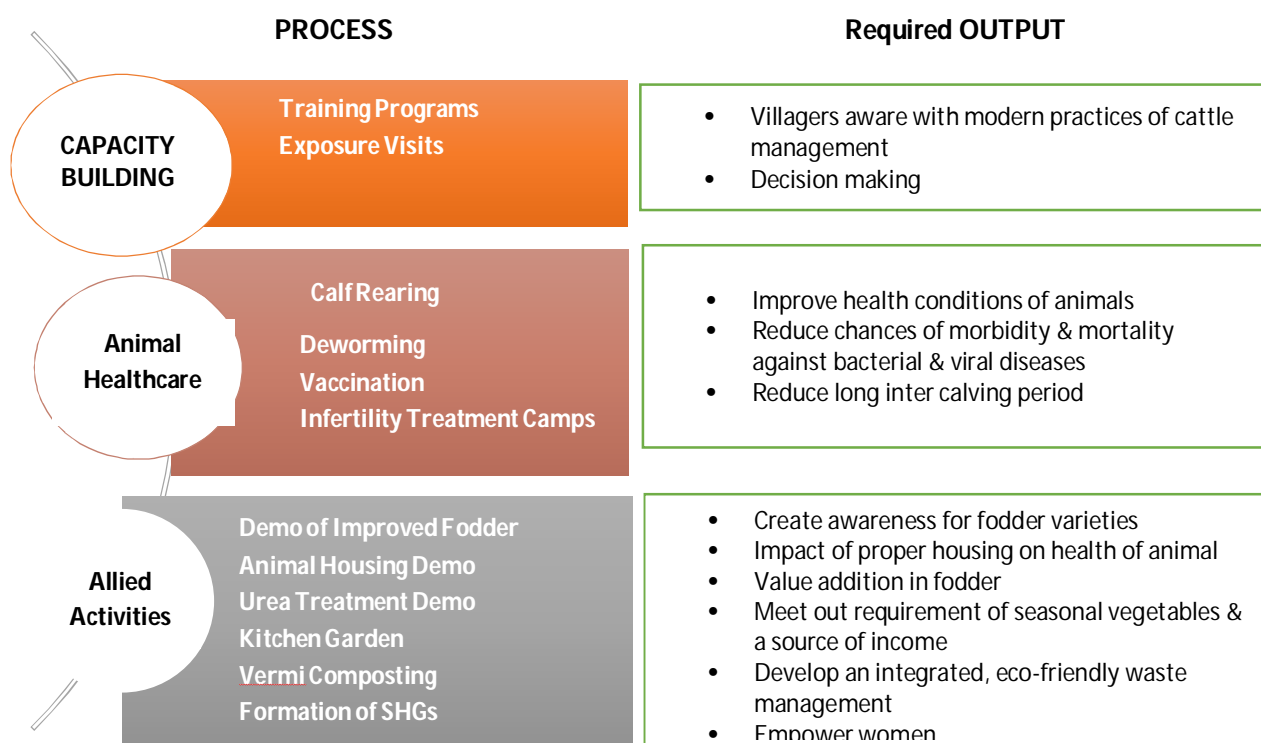
Adani Foundation in partnership with BAIF institute for Sustainable Development (BISLD) is implementing Cattle Breeding Centre (CBC) i.e. Animal Husbandry Project (Pashudhan Program) and vegetable cultivation in 12 villages surrounding Adani Port, Dahej.

Specific Objective

Create self-employment/ supplementary income through animal livestock development in project villages of Special Economic Zone, Dahej

Other Objectives

- Increase awareness among villagers for livestock development through trainings & exposure visits
- Provide preventive health care services
- Organize infertility treatment camps for timely diagnosis & treatment of infertile animals
- Provide door to door insemination services



Pashudhan Program Status as on 31st March, 2020

S.N	Village	Animal Population			During the month: March			During 2019 - 20		
		Cow	Buffalo	Total	AI	PD	Calving	AI	PD	Calving
1	Dahej	37	224	261	16	9	6	127	58	39
2	Lakhigam	13	132	145	9	7	1	68	30	26
3	Luvara	39	152	191	6	3	3	51	32	24
4	Jageshver	9	81	90	6	1	0	15	8	1
5	Ambheta	0	108	108	0	1	0	2	5	0
6	Suva	31	236	267	0	0	1	3	3	5
7	Rahiyad	0	103	103	1	1	0	8	4	7
8	Jolava	142	78	220	0	0	1	1	1	2
9	Koliyad	19	149	168	3	4	1	62	34	28
10	Vagani	166	108	274	16	5	0	130	81	91
11	Kaladara	207	440	647	1	1	11	92	54	43
12	Atali	4	118	122	1	0	0	11	7	2
		0	0	0	0	0	0	0	0	0
	Total	667	1929	2596	59	32	24	570	317	268

Project Activities : Planning vs Achievement

S.N	Project Activities	Plan		Achievement		SINCE INCEPTION	
		Unit	No.	Unit	No.	Unit	No.
1	Livestock Training	5	150	5	258	23	1122
2	Exposure Visit	2	100	2	95	4	201
3	Calf Rearing	49	49	49	49	76	125
4	Deworming	3044	3044	2173	2173	7231	7358
5	Infertility Treatment Camps	8	150	8	274	18	609
6	Fodder Demo Beni./Demo Plot	6	15	21	21	36	36
7	Cattel Shed Beni/Shed	3	3	0	0	2	2

8	Chaffcutter Demo in SHG Member	1	20	1	10	2	20
9	Kitchen Garden/ Beni	250	250	103	103	353	353
10	Vermicomposting Beni/Beds	5	5	5	5	20	20
11	Pregnant Animal Feed Support	34	34	34	34	34	34
12	Travis (Animal Treatment Work)	5	5	5	5	5	5
13	Sorted Semen	80	80	49	62	49	62
14	Calf Rally	1	70	1	1	1	1

PROJECT HEROS



Haribhai Buddhabhai Ahir, 44 years old lives in Lakhigam village. He works in Hindustan MI Sakva Private Limited, SEZ I, Dahej. His wife Jasuben is a housewife. He has one daughter Shraddha and one son Mitesh, a student of Class X in Patanjali Vidyalaya, Kamrej (Surat).

Animal husbandry is his family business. In 2001, GIDC acquired land of Lakhigam for SEZ, Dahej. Due to industrialization, cultivable land decreased and animal husbandry affected a lot. Haribhai joined a company but he used to keep himself engaged with cattle (whatever he had) in morning & evening.

In 2017, Project of Livestock Management launched by Adani Foundation in partnership with BAIF. Team visited his house for baseline survey. He came to know the objectives of the project. He got a chance of reviving his passion of livestock management. Now he took part in every project activity. His wife also gets involved. They started taking care of their cattle, stopped open grazing, started giving green fodder & feed as suggested by the team. Haribhai avails benefits of AI as he understands that genetically improved breed would boost his milk selling business. Due to AF's project, Haribhai is getting additional income apart from his monthly salary. This income supports him in son's education, daughter's treatment and purchase of new cattle



Pashudhan : Our Livelihood



Mrs. Jaguben wife of Kundanbhai Gohil says ' Pashudhan is our only source of income. They have two children one daughter and one son studying in class 5th and 3rd. They have 34 animals. Kundanbhai and Jaguben spend maximum time of their daily routine with their cattle. Before Adani Foundation's intervention Kundanbhai was worried about cattle's health as unavailability of green fodder and lack of knowledge of animal healthcare. Adani Foundation – BAIF's Pashudhan Project proved a boon for them. They avail project's benefits. They sell 45 litres milk per day in Aditya Birla Township. Their net income is Rs.23600 per month. They are thankful to Adani Foundation for such a meaningful project

COMMUNITY PARTICIPATION IS THE SUCCESS OF THE PROJECT

S.N	Particular	Total Amount	AF's contribution	Beneficiary's contribution per unit
1	Sorted semen	Rs.1500/-	Rs.1200/-	Rs.300/-
2	Feed	Rs.1950/-	Rs.1550/-	Rs.400/-
3	Vermi compost (2 beds)	Rs.3000/-	Rs.2400/-	Rs.600/-
4	Chauff cutter (group basis)	Rs.30000/-	Rs.25500/-	Rs.4500/-
5	Cattle shed construction	Rs.45000/-	Rs.36000/-	Rs.9000/-
6	Exposure visit			Rs.200/-

EVENT

Under Pashudhan Program Calf Rally was organized in Luvara village on 25th February 2020

105 calves of 88 beneficiaries of Lakhigam, Luvara, Dahej, Jageshwar, Vegani, Rahiyad and Kaladra villages participated in this event.

To encourage the practices of animal husbandry calves were selected among different age group by a panel of experts and prizes given to beneficiaries. On this occasion Shri Ishwarbhai Patel (President of Vagara Taluka), Shri Manoj Katar (COO) Adani Port –Dahej, Mr. Shailesh Singh (HR Head- Adani Dahej Port), Mr. J R Mori (Chief Program Executive –BAIF), Mr. A M Kanani (Advisor-BAIF), Mr. Mahendra Patel (KVK, Chaswad) & villagers were present.

S.N	Village	Calf (Cow)	Calf (Buffalo)
1	Lakhigam	8	8
2	Luvara	7	13
3	Jageshwar	2	8
4	Dahej	15	19
5	Vengani	6	0
6	Koliyad	4	6
7	Kaladra	2	7
	Total	44	61



Women Empowerment

SHIVSHAKTI SAKHI MANDAL, Jageshwar

Members: 10

Income Generation Activities

- School bags stitching
- Jute bags stitching
- Cloth bags stitching

Income Generation Activities Details

S.N	Activity	Order	Unit Cost (in Rs.)	Quantity	Selling Unit Price (in Rs.)	Total Cost Price	Total Selling Price (in Rs.)	Profit (in Rs.)
2	Jute bag stitching	Birla Copper	155	135	180	20925	24300	3375
3	Jute bag stitching	Adani Dahej Port	155	100	180	15500	18000	2500
4	Jute bag stitching	Local shopkeepers	145	60	165	8700	9900	1200
5	Cloth bag stitching	Adani Dahej Port	43	700	55	30100	38500	8400
6	Blanket tag stitching	Adani Foundation	10	700	20	7000	14000	7000
	Total					82225	104700	22475

- **Skill Based Training:** Shiv Shakti Sakhi Mandal, Jageshwar members got one-day training on skill enhancement on proper measurement and cutting of materials.



Meeting with Livelihood Mission Officials

Adani Foundation team had a meeting with Mrs. Jyotiben (DLM District Livelihood Manager) and Mr. V S Rathod (TLM Taluka Livelihood Manager) at District Development office, Bharuch on 27th November, 2019.

Points of discussion

- Adani Foundation's CSR activities
 - Shiv Shakti Sakhi Mandal's income generation activities
 - Livelihood mission's support in formation of new SHGs, strengthening of present SHGs and their linkage to income generation activities
 - Collective efforts to revive defunct SHGs
- Officials provided list of SHGs of project villages.



Formation of New SHGs

2 new SHGs are formed in January 2020. These are:

- ✓ Mahadev Mahila Sakhi Mandal, Luvara : 11 members and
- ✓ Sadhadadh Mahila Sakhi Mandal, Lakhigam: 11 members

Activities

- Regular Meetings
- Both SHGs have started monthly savings from January 2020. Mahadev Mahila Sakhi Mandal, Luvara has decided monthly savings of Rs.100 per member whereas Sadhadadh Sakhi Mandal's per member saving is Rs.200
- Mahadev Mahila Sakhi Mandal has decided vermi compost production & selling as their income generation activity. On the other hand, Sadhadadh Sakhi Mandal, Lakhigam has chosen snacks preparation & selling as source of their income generation.
- **Exposure Visit:**
20 members of Sadhadada Mahila Sakhi Mandal, Lakhigam & Mahadev Mahila Sakhi Mandal, Luvara went on an exposure visit to Adivasi Taleem Vikas Kendra, Lachhakadi (Navsari). These women got training on income generation activities & record keeping. They got an opportunity to visit women cooperatives' production units, warehouses and shops.
- **Capacity Building of SHG:**
Mahadev Mahila Sakhi Mandal, Luvara has opted vermi compost production as an income generation activity. AF in association with BAIF organized a skill based training for SHG members on vermi compost bed preparation, care, quality check and record keeping of production vs income. 22 beds distributed among 11 members of SHG.



Exposure visit



Vermibed distribution

Community Infrastructure Development



Overhead Water Tank, Jageshwar

CAPACITY: 35000 Litre
Direct Beneficiaries: 1571



Lakhabawa Campus

Direct beneficiaries: 4938

Indirect beneficiaries: 20000



RO Plant, Ashramshala Atali
Direct beneficiaries: 205



Ashramshala Atali road



Jageshwar bus stand
Direct beneficiaries: 1571



Ambheta Community Hall
Direct beneficiaries: 1330,
Indirect beneficiaries: 12000



Dahej Pond



Suva Gaushala

KICK OFF MEETING WITH CONTRACTORS

Objective: Maintain necessary compliances in infrastructure work of Adani Foundation

A meeting with contractors engaged in Community Infrastructure Development work was held in Dry Cargo Department, Dahej Port. In this meeting Safety, Security, Engineering Services, HR & Admin, Adani Foundation, contractors of M/S Vrajvasi Construction & M/S J T Enterprise. It was chaired by Sh. Sandip Shah, AGM, Dry Cargo, Dahej Port.

Meeting of Minutes

- Safety Induction is mandatory for all staff who will work at site.
- Job specific PPEs to wear during execution of job.
- All PPEs should be of IS standard.
- Informed about action to be taken in case of emergency / assembly points
- Share emergency contact no. to site supervisor.
- Submission of pending medical fitness report of deployed staff to OHC by 20th Nov.
- Following Adani lifesaving rules.
- Contractor has to conduct TBT on daily basis prior to starting of work.
- Working area to be properly barricaded with pipe / barricading tap.
- Proper housekeeping to maintain at work place.
- Underground pipe / cable to be verified prior to excavation work.
- In case of carrying out hot work, arrangement for fire extinguisher should be done.
- Height work (above 1.8 mtrs) to be done with scaffolding using proper harnessing.
- Good quality Safety net to be tied up during construction at height.
- During construction at height, overhead elect cables to be taken care.
- Near miss, unsafe condition should be reported immediately to EIC.
- Prior to starting of work, site visit to be done by Safety person along with concerns.
- Proper lighting arrangement to be done in case of night work.
- Supervisor should be available at location whenever any critical working is under execution



PROJECT SuPoshan

A

unique community based intervention to

- Reduce the occurrence of malnutrition in children (0-5years)
- Reduce occurrence of malnutrition & anaemia in adolescent girls & women in reproductive age group
- Create a pool of resource at community level, especially SuPoshan Sanginis
- Support Government's efforts in reducing IMR & MMR

COVERAGE

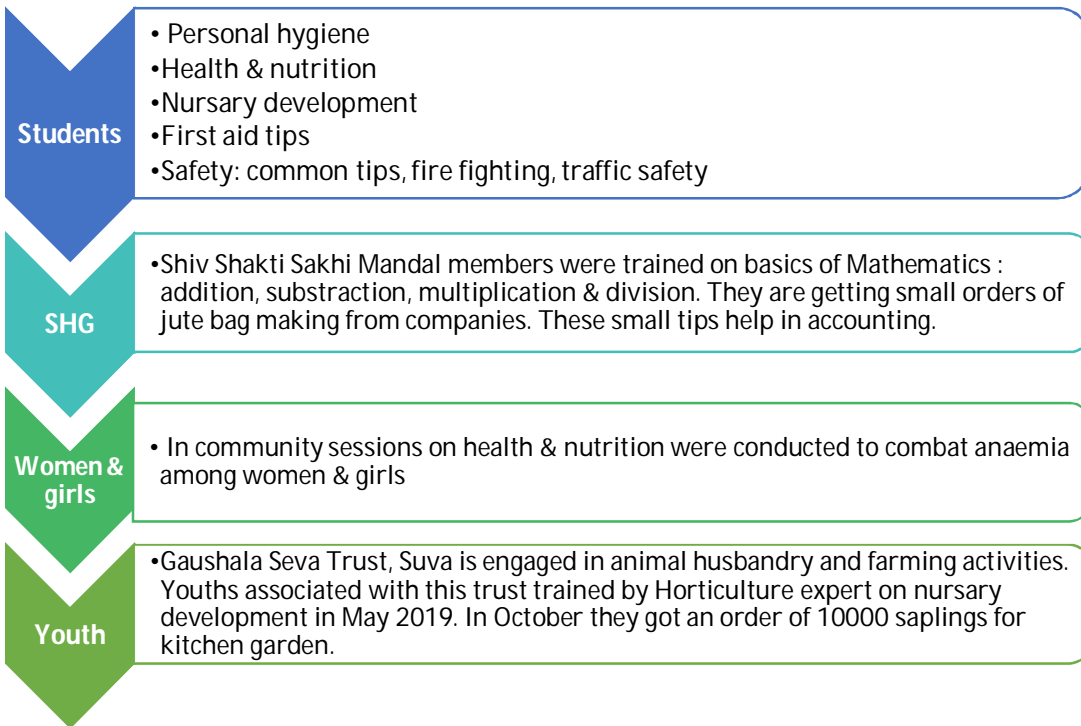
- Total no. of Anganwadis covered: 13
- Total Population Covered: 24820
- Total no. of villages Covered: 7
- Total no. of SuPoshan Sanginis: 8

S.N	Community Engagement and other Activities	Numbers
1	Focus Group Discussion	503
2	Family Counselling	823
3	Village level Events	32
4	No of SAM children referred to CMTC	0
5	No of SAM children provided with Energy Dense Food (Only New children)	0
6	No of total Hb & BMI screening - Women in reproductive age	1196
7	No of total Hb & BMI screening - Adolescent girls	254
8	No of women in reproductive age provided with IFA Tablets	19
9	No of adolescent girls provided with IFA Tablets	0

S.N	Project Achievement	Numbers
1	SAM to MAM	25
2	MAM to Healthy	107
3	Severe to Moderate shifting	30
4	Moderate to Healthy shifting	121
5	Severe to moderate anaemia	9
6	Moderate to mild anaemia	43
7	Mild to no anaemia	9



EMPLOYEE VOLUNTEERING



EVP SESSION AT ASHRAMSHALA ATALI



EVP Session at Ashramshala Atali

On 4th December 2019 a session on Personal Hygiene & First Aid Tips was held with students of Ashramshala Atali. This session was led by Mr. Naim Patel, male nurse of QHSE. During the session, 2 children suffering from fever got medicines and 2 children got first aid.

Ashramshala Atali is a residential school for children of migrant laborers. Students and teachers of this school found EVP session very productive. They request for more such sessions in future.

ROAD SAFETY WEEK

Adani Petronet Dahej Port Private Limited celebrated Road safety week from 11th to 16th January 2020. On this occasion a drawing competition was organized in two schools of project area – Govt. Primary School, Luwara and Govt. Primary School, Jageshwar. Students of Class 6th, 7th and 8th participated in this competition.

Theme: Road safety

Total participants: 130

Jageshwar School: 47 & Luwara School: 83

Winners were felicitated in concluding ceremony of safety week at Dahej Port by Sh. Manoj Katar, COO, Dahej Port and other seniors of different departments.



Community Engagement

Women's Day celebrated with good nos of women participation with great enthusiasm and zeal. 159 women of 3 villages Lakhigam, Luvara and Jageshwar participated in different sports events: Kabaddi, Kho-kho, Musical Chair and Spoon race. In Special Economic Zone this is the first occasion when sports events organized in villages. 1000 women celebrated the event.

Winners were felicitated by trophies and prizes. On the eve of women's day front line health workers, Aanganwadi workers & Women PRI members were all honoured by Adani Foundation for their contribution to nation building.



LAKHIGAM CRICKET

TOURNAMENT

Objective: Promotion of sports among village youths

Adani Foundation in association with Lakhigam Gram Panchayat and Adani Dahej Port organized Lakhigam cricket tournament at Lakhigam. Total 30 teams participated in this tournament.

Final match was played between Shivam 11 and Shiv Shakti on 26th January 2020. Shivam 11 emerged as a winner. They defeated Shiv Shakti by 6 wickets.

Trophies were given in following categories in presence of Adani Dahej Port officials, Adani Foundation and Sarpanch, Deputy Sarpanch of Lakhigam Gram Panchayat and other distinguished persons of the village.

Winners, runner up, man of the series, man of the match, best bowler, best batsman.

- During the tournament villagers highly appreciated CSR activities implemented by AF in Lakhigam.
- A group of young school boys of 9-11 years approached Adani Foundation & requested to organize School level cricket tournament.





ಕರ್ನಾಟಕ ಸರ್ಕಾರ
KARNATAKA GOVT
KARNATAKA



**ಅಧಾರ್ವಾಣಿ ಐಂ-ಫ್ರೆಷನ್ ದ್ವಾರಾ ಲಕ್ಷಿಣಗಾಮನಂ ಜಠರಸಿಯಾತಮೆಂದ್
ಲೋಕೋನಿ ಯಾಹರ, ಮಖರ್ಠಢಾನಿನಿಂ ವಿತರಫಫ ಕರಾಯುಂ**

ಅಧಾರ್ವಾಣಿ
ಐಂ-ಫ್ರೆಷನ್ ದ್ವಾರಮಂ
ಲಕ್ಷಿಣಗಾಮನಂ ಜಠರಸಿಯಾತಮೆಂದ್
ಲೋಕೋನಿ ಯಾಹರ, ಮಖರ್ಠಢಾನಿನಿಂ
ವಿತರಫಫ ಕರಾಯುಂ

ಅಧಾರ್ವಾಣಿ ಐಂ-ಫ್ರೆಷನ್ ದ್ವಾರಮಂ
ಲಕ್ಷಿಣಗಾಮನಂ ಜಠರಸಿಯಾತಮೆಂದ್
ಲೋಕೋನಿ ಯಾಹರ, ಮಖರ್ಠಢಾನಿನಿಂ
ವಿತರಫಫ ಕರಾಯುಂ

**ಅಧಾರ್ವಾಣಿ ಐಂ-ಫ್ರೆಷನ್ ದ್ವಾರಾ ಲಕ್ಷಿಣಗಾಮನಂ ಜಠರಸಿಯಾತಮೆಂದ್
ಲೋಕೋನಿ ಯಾಹರ, ಮಖರ್ಠಢಾನಿನಿಂ ವಿತರಫಫ ಕರಾಯುಂ**

અદાણી ફાઉન્ડેશન- દહેજ દ્વારા “વિશ્વ મહિલા દિવસ-૨૦૨૦”ની ઉત્સાહભરે ઉજવણી



અદાણી કાઉન્ડેશન-દહેજ દ્વારા હતો. આ કાર્યક્રમ નો મુખ્ય હેતુ સ્પર્ધાનો આયોજન કરવામાં આવેલ શાળાનાં આચાર્ય મનસુખ સાહેબ, બહેનોને ઈનામ વિતરણ પણ કર્યા વિશ્વ મહિલા દિવસ નિમિત્તે મહિલાઓને સશક્ત કરવાનો તેમજ હતુ. આ સ્પર્ધાઓમાં બહેનોએ પી. એચ. સી. દહેજ ખાતેથી હતા. કાર્યક્રમમાં આંગણવાડીનાં આસપાસના લખીગામ, લુવારા અને તેમના આત્મવિશ્વાસમાં ઉમેરો ખુબજ ઉત્સાહ પૂર્વક ભાગ લીધો તરુણાબેન, અદાણી પોર્ટ દહેજ બહેનો તેમજ આશા વર્કરોને પણ જગેશ્વર ગામોની બહેનો સાથે કરવાનો હતો. હતો. વિજેતા બહેનોને તેમજ ટીમને તરફથી ધર્મેશ ગાંધી, ઈનામ આપી પોતાસહિત કરવામાં આંતરરાષ્ટ્રિય મહિલા દિવસની આંતરરાષ્ટ્રિય મહિલા દિવસ પ્રેરણા મળી રહે તેમજ તેમનો ઉત્સાહ ઘનશ્યામભાઈ તેમજ અદાણી આવ્યા હતા. કાર્યક્રમને સફળ ઉજવણી કરવામાં આવી હતી. આ અંતર્ગત બહેનો તેમજ કિશોરીઓ માટે વધારા માટે ટ્રોફી તેમજ ઈનામો કાઉન્ડેશન તરફથી ઉપા મિશ્રા બનાવવા માટે અદાણી કાઉન્ડેશન ઉજવણીમાં ૧૬૦ જેટલા બહેનો સંગીત પુરશી, ખોખો, ૬૦૦૫૨ી, આપવામાં આવ્યા હતા. ઉપસ્થિત રહી પ્રાસંગિક માહિતી દહેજનાં અન્ય સ્ટાફની કામગીરી તેમજ કિશોરીઓએ ભાગ લીધો વિશ્વ યમથી અને અન્ય રમત-ગમત કાર્યક્રમમાં લખીગામ પ્રાથમિક આપી હતી તેમજ સ્પર્ધાનાં વિજેતા ખુબ સરાહાણીય રહી હતી.

અદાણી ફાઉન્ડેશન દ્વારા પોષણ સમાહની ઉજવણી




અદાણી ફાઉન્ડેશન દ્વારા પોષણ સમાહની ઉજવણી રાજકોટના સેન્ટ્રલ પબ્લિક હાઈસ્કૂલમાં આયોજવામાં આવી હતી. આ પ્રસંગે આદાણી ફાઉન્ડેશનના પ્રમુખશ્રી ડૉ. અરુણ અગસ્થીએ આજીવન સ્વચ્છતા અને પોષણના મહત્વ વિશે શાળાના બાળકોને જાણવડો આપ્યો હતો. આ પ્રસંગે આદાણી ફાઉન્ડેશનના પ્રમુખશ્રી ડૉ. અરુણ અગસ્થીએ આજીવન સ્વચ્છતા અને પોષણના મહત્વ વિશે શાળાના બાળકોને જાણવડો આપ્યો હતો. આ પ્રસંગે આદાણી ફાઉન્ડેશનના પ્રમુખશ્રી ડૉ. અરુણ અગસ્થીએ આજીવન સ્વચ્છતા અને પોષણના મહત્વ વિશે શાળાના બાળકોને જાણવડો આપ્યો હતો.

લડત

તા.01.10.2019

Appreciation

Dilipkumar Thakor



No.Min/L&E/D.M./Y.V./ /2019
Minister of Labour & Employment, Disaster
Management, Yatradham Vikas,
Government of Gujarat
Swarnim Sankul-1, 1st Floor,
Sachivalaya, Gandhinagar.
Phone : 079-232 50128, 232 50129,
Fax : 232 50306
E-Mail : min-labour@gujarat.gov.in
min.labouremployment@gmail.com
Date: 23 / 12 / 2019

MESSAGE

It is a matter of great pleasure for me to learn the significant and commendable contributions by Adani Hazira & Adani Dahej Port through Adani Foundation in the areas of Education services, Community health and development activities, Sustainable livelihood activities and Rural Infrastructure development activities, Special flagship projects for National development. This creates great opportunities and livelihoods that benefit millions of people. I congratulate and appreciate for deep commitment to community for the Nation building process.


(Dilipkumar Thakor)

To,
Shri Pranav Choudhary
CEO - Adani Hazira & Dahej Ports
Head - Adani Foundation

Dilipkumar Thakor



No.Min/L&E/D.M./Y.V./ 4676 /2019
Minister of Labour & Employment, Disaster
Management, Yatradham Vikas,
Government of Gujarat
Swarnim Sankul-1, 1st Floor,
Sachivalaya, Gandhinagar.
Phone : 079-232 50128, 232 50129,
Fax : 232 50306
E-Mail : min-labour@gujarat.gov.in
min.labouremployment@gmail.com
Date: 30 / 12 / 2019

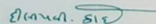
MESSAGE

Namaskar,

It is a matter of great pleasure for us to know the various CSR initiatives running at many locations of South Gujarat by Adani Hazira Port & Adani Dahej Port through "Adani Foundation" under your leadership. It was nice to interact and discuss with your young motivated team member on dated 23 Dec 2019. Today, India has expectation from this type of motivated youth. I appreciate the dedication, zeal, energy level and enthusiasm of your team member. It conveyed us glorious history of Adani Foundation and contributions to humanity in the interest of our society and nation at large. I am deeply touched and impressed.

We are witnessed of the contributions of "Adani Foundation" in the areas of Education services, Community health and Sustainable livelihood activities, Rural Infrastructure development and Special flagship projects for National development. This creates a great opportunities and livelihoods that benefit millions of people for their positive transformation. Adani Foundation helped them become self-dependent and created opportunity for their family. Today, these families have improved their standard of living and raised prosperity, self-reliance and lead a dignified life. Your team member of Hazira conveyed us many examples of people, benefited by these initiatives. These initiatives have instilled a new confidence and bring smiles on the faces of people.

On behalf of the Government of Gujarat, we congratulate you for deep commitment towards "Nation Building" and creating "New India" by 2022.


(Dilipkumar Thakor)

To,
Dr. Priti G. Adani
The Chairperson, Adani Foundation
8th floor, Shikhar Building,
Nr. Mithakhali Circle, Navrangpura, Ahmedabad.



Sh. Manoj Katar	Chief Operating Officer
Ms. Usha Mishra	Unit CSR Head
Ms. Varsha Pandit	Project Officer
Mr. Mahendrasinh Sindha	Project Officer
Mr. Yogesh Meghpara	Project Officer

Partners

The Helpage India

Vidhya Bharati Foundation

BAIF

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

Adani Foundation
Adani Petronet (Dahej) Port Pvt. Ltd
At & PO Lakhigam, Taluka Vagra Via Dahej,
Bharuch 392130
Gujarat
www.adanifoundation.org

Environment Monitoring Report for the period from October-19 to March-20
3A. AMBIENT AIR QUALITY MONITORING: -
Table No.: 1.1 - Ambient Air Quality Monitoring Results At Near Marine Building

Sr. No.	Date of Sampling	Location-1: Near Marine Building											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01-10-2019	69.51	31.58	BDL*	BDL*	BDL*	BDL*	0.53	BDL*	46.29	23.47	30.50	18.61
2	04-10-2019	83.63	46.21	BDL*	BDL*	BDL*	BDL*	0.57	BDL*	39.49	17.82	35.66	26.21
3	08-10-2019	92.42	53.50	0.68	BDL*	BDL*	10.32	0.93	BDL*	25.36	21.52	38.30	20.44
4	11-10-2019	88.27	49.22	BDL*	BDL*	2.78	BDL*	0.86	BDL*	34.29	19.35	41.65	29.48
5	15-10-2019	93.40	43.29	0.82	BDL*	2.96	10.85	0.78	BDL*	48.20	25.42	37.65	16.2
6	18-10-2019	74.59	35.39	BDL*	BDL*	BDL*	BDL*	0.54	BDL*	38.37	22.31	39.30	24.43
7	22-10-2019	84.33	41.31	BDL*	BDL*	2.65	BDL*	0.77	BDL*	29.24	18.54	34.25	21.37
8	25-10-2019	90.25	52.69	0.76	BDL*	3.11	10.54	0.71	BDL*	35.43	24.27	44.54	15.57
9	29-10-2019	79.32	39.41	BDL*	BDL*	BDL*	BDL*	0.88	BDL*	32.39	16.57	29.47	19.21
10	01-11-2019	86.39	40.25	BDL*	BDL*	BDL*	BDL*	0.71	BDL*	43.60	18.51	39.44	13.79
11	05-11-2019	93.67	52.86	0.72	BDL*	2.46	10.39	0.81	BDL*	20.65	24.52	41.21	22.65
12	08-11-2019	88.66	46.37	BDL*	BDL*	BDL*	BDL*	0.76	BDL*	46.32	19.35	33.45	28.57
13	12-11-2019	79.65	42.72	BDL*	BDL*	BDL*	BDL*	0.90	BDL*	38.73	23.44	44.56	26.21
14	15-11-2019	92.69	53.67	0.59	BDL*	2.72	10.61	0.61	BDL*	16.58	20.65	38.28	17.63
15	19-11-2019	87.57	49.33	BDL*	BDL*	BDL*	BDL*	0.46	BDL*	32.31	16.45	32.89	25.35
16	22-11-2019	95.63	55.37	0.84	BDL*	2.85	10.88	0.54	BDL*	28.60	25.66	35.95	29.28
17	26-11-2019	89.38	47.54	BDL*	BDL*	BDL*	BDL*	0.62	BDL*	25.37	21.53	40.27	27.56
18	29-11-2019	91.52	43.50	BDL*	BDL*	BDL*	BDL*	0.78	BDL*	40.34	26.32	37.54	24.26
19	03-12-2019	87.63	34.33	BDL*	BDL*	BDL*	BDL*	0.41	BDL*	37.36	19.36	44.59	25.35
20	06-12-2019	92.49	54.26	0.65	BDL*	2.82	10.65	0.68	BDL*	41.50	23.44	36.34	27.57
21	10-12-2019	84.56	45.34	BDL*	BDL*	BDL*	BDL*	0.89	BDL*	27.64	26.27	40.24	18.65
22	13-12-2019	90.23	50.55	0.76	BDL*	2.56	10.51	0.30	BDL*	44.51	20.58	43.56	15.32
23	17-12-2019	88.36	47.38	BDL*	BDL*	BDL*	BDL*	0.32	BDL*	21.38	28.25	32.40	20.45
24	20-12-2019	95.68	53.68	0.84	BDL*	2.77	10.89	0.76	BDL*	36.56	10.57	35.34	23.47


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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



25	24-12-2019	79.55	33.41	BDL*	BDL*	BDL*	BDL*	0.62	BDL*	17.54	24.54	39.55	26.39
26	27-12-2019	85.39	42.46	BDL*	BDL*	BDL*	BDL*	0.90	BDL*	20.75	17.11	30.57	24.56
27	31-12-2019	93.54	52.34	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	46.23	21.67	38.23	28.47
28	03-01-2020	85.47	41.24	BDL*	BDL*	BDL*	BDL*	0.85	BDL*	48.25	11.57	25.30	23.52
29	07-01-2020	96.84	48.63	0.56	BDL*	2.56	10.58	0.70	BDL*	31.23	20.35	34.52	29.23
30	10-01-2020	82.44	51.61	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	43.40	23.46	42.41	27.68
31	14-01-2020	93.82	55.25	0.84	BDL*	2.62	10.37	0.22	BDL*	29.44	21.33	35.61	24.27
32	17-01-2020	74.51	33.36	BDL*	BDL*	BDL*	BDL*	0.53	BDL*	33.42	18.70	39.43	28.48
33	21-01-2020	68.47	27.68	BDL*	BDL*	BDL*	BDL*	0.84	BDL*	41.28	13.56	44.26	26.52
34	24-01-2020	86.67	53.41	BDL*	BDL*	BDL*	BDL*	0.95	BDL*	46.58	26.54	37.61	16.92
35	28-01-2020	94.25	49.56	0.62	BDL*	2.34	10.50	0.30	BDL*	37.27	14.32	41.35	25.46
36	31-01-2020	73.67	36.56	BDL*	BDL*	BDL*	BDL*	0.93	BDL*	42.33	17.49	30.48	17.4
37	04-02-2020	90.46	52.40	0.76	BDL*	2.62	10.45	0.78	BDL*	49.47	18.58	37.27	17.54
38	07-02-2020	86.29	42.45	BDL*	BDL*	BDL*	BDL*	0.58	BDL*	15.63	26.49	42.63	14.22
39	11-02-2020	78.59	39.19	BDL*	BDL*	BDL*	BDL*	0.69	BDL*	42.67	20.38	39.21	25.4
40	14-02-2020	83.84	48.22	BDL*	BDL*	BDL*	BDL*	0.62	BDL*	48.54	15.26	40.21	28.26
41	18-02-2020	92.45	54.28	0.82	BDL*	2.82	10.51	0.82	BDL*	38.44	24.30	38.51	22.89
42	21-02-2020	71.27	38.40	BDL*	BDL*	BDL*	BDL*	1.03	BDL*	29.47	19.37	34.81	24.38
43	25-02-2020	89.21	46.38	BDL*	BDL*	BDL*	BDL*	0.73	BDL*	35.61	21.52	36.26	27.65
44	28-02-2020	93.44	53.57	0.64	BDL*	2.46	10.88	0.87	BDL*	32.43	25.69	32.56	21.49
45	03-03-2020	87.63	49.64	0.56	BDL*	2.46	BDL*	0.62	BDL*	32.47	19.55	25.72	23.56
46	06-03-2020	94.30	55.70	0.76	BDL*	2.34	BDL*	0.77	BDL*	45.43	24.26	38.44	29.61
47	10-03-2020	79.69	38.70	BDL*	BDL*	BDL*	BDL*	0.72	BDL*	29.39	13.49	35.33	27.31
48	13-03-2020	91.52	52.63	0.65	BDL*	2.75	BDL*	0.94	BDL*	49.62	17.84	30.48	18.68
49	17-03-2020	74.27	40.26	BDL*	BDL*	BDL*	BDL*	0.45	BDL*	42.76	20.37	40.34	13.74
50	20-03-2020	95.33	48.38	0.82	BDL*	2.64	BDL*	0.76	BDL*	39.64	22.55	37.33	25.3
51	24-03-2020	80.20	43.67	BDL*	BDL*	BDL*	BDL*	0.87	BDL*	33.47	18.62	28.48	22.53
52	27-03-2020	76.29	37.36	BDL*	BDL*	BDL*	BDL*	0.92	BDL*	46.32	12.33	33.64	26.59

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, Minimum Detection Limit, Lead as Pb: 0.1 $\mu\text{g}/\text{m}^3$, Carbon Monoxide as CO: 0.1 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



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

Sr. No.	Date of Sampling	Location-2: Near PMC Building											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01-10-2019	58.32	25.63	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	32.62	17.37	27.65	13.39
2	04-10-2019	71.54	37.51	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	14.57	8.65	30.33	21.51
3	08-10-2019	56.39	23.62	BDL*	BDL*	BDL*	BDL*	0.34	BDL*	38.22	11.45	19.46	16.83
4	11-10-2019	79.56	45.55	BDL*	BDL*	2.46	BDL*	0.36	BDL*	29.45	15.44	24.22	25.38
5	15-10-2019	84.57	41.57	0.56	BDL*	BDL*	10.28	0.46	BDL*	45.61	19.54	29.27	23.7
6	18-10-2019	63.40	33.43	BDL*	BDL*	BDL*	BDL*	0.64	BDL*	49.57	16.25	33.64	12.49
7	22-10-2019	53.37	28.32	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	18.92	12.64	26.40	14.57
8	25-10-2019	70.57	30.38	BDL*	BDL*	BDL*	BDL*	0.48	BDL*	23.56	21.68	35.43	20.58
9	29-10-2019	64.29	34.54	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	42.55	10.13	17.65	22.56
10	01-11-2019	56.30	23.58	BDL*	BDL*	BDL*	BDL*	0.66	BDL*	15.43	12.60	24.35	15.61
11	05-11-2019	76.35	40.62	BDL*	BDL*	BDL*	BDL*	0.21	BDL*	43.59	16.23	35.64	17.51
12	08-11-2019	68.60	35.50	BDL*	BDL*	BDL*	BDL*	0.22	BDL*	19.50	22.66	41.57	10.7
13	12-11-2019	70.70	38.48	BDL*	BDL*	BDL*	BDL*	0.80	BDL*	11.54	20.35	38.69	24.21
14	15-11-2019	60.31	31.71	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	24.84	14.68	27.55	22.35
15	19-11-2019	73.65	42.29	BDL*	BDL*	BDL*	BDL*	0.33	BDL*	13.53	19.41	36.21	14.67
16	22-11-2019	84.38	36.46	0.65	BDL*	BDL*	BDL*	0.24	BDL*	25.44	6.85	16.51	11.56
17	26-11-2019	61.57	28.50	BDL*	BDL*	BDL*	BDL*	0.34	BDL*	17.62	15.25	33.50	19.27
18	29-11-2019	72.30	25.90	BDL*	BDL*	BDL*	BDL*	0.41	BDL*	32.45	11.34	30.54	13.65
19	03-12-2019	57.59	24.65	BDL*	BDL*	BDL*	BDL*	0.36	BDL*	28.68	6.53	15.27	20.7
20	06-12-2019	64.51	32.66	BDL*	BDL*	BDL*	BDL*	0.33	BDL*	23.40	13.55	23.30	18.22
21	10-12-2019	72.65	39.46	BDL*	BDL*	BDL*	BDL*	0.66	BDL*	17.50	20.37	26.34	14.54
22	13-12-2019	69.20	35.33	BDL*	BDL*	BDL*	BDL*	0.57	BDL*	26.34	16.21	31.65	12.29
23	17-12-2019	83.63	44.59	BDL*	BDL*	BDL*	BDL*	0.79	BDL*	36.25	12.55	19.22	16.43
24	20-12-2019	79.54	41.30	BDL*	BDL*	BDL*	BDL*	0.15	BDL*	33.27	17.21	22.26	19.54
25	24-12-2019	52.76	22.40	BDL*	BDL*	BDL*	BDL*	0.19	BDL*	38.28	22.50	34.56	23.62
26	27-12-2019	73.68	36.58	BDL*	BDL*	BDL*	BDL*	0.72	BDL*	14.36	10.70	27.28	21.74
27	31-12-2019	80.27	43.30	BDL*	BDL*	BDL*	BDL*	0.53	BDL*	20.81	15.81	32.52	26.41



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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



28	03-01-2020	65.87	26.44	BDL*	BDL*	BDL*	BDL*	0.57	BDL*	41.55	20.33	43.51	21.64
29	07-01-2020	77.60	41.51	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	22.45	24.39	31.50	23.48
30	10-01-2020	67.26	34.22	BDL*	BDL*	BDL*	BDL*	0.38	BDL*	27.59	18.46	21.56	12.68
31	14-01-2020	73.44	37.25	BDL*	BDL*	BDL*	BDL*	0.17	BDL*	23.44	23.32	42.63	16.22
32	17-01-2020	69.34	25.48	BDL*	BDL*	BDL*	BDL*	0.27	BDL*	37.52	11.61	35.32	11.48
33	21-01-2020	76.44	20.19	BDL*	BDL*	BDL*	BDL*	0.50	BDL*	48.32	9.53	38.23	18.35
34	24-01-2020	81.21	44.18	BDL*	BDL*	BDL*	BDL*	0.45	BDL*	28.33	21.54	19.33	13.21
35	28-01-2020	78.62	29.41	BDL*	BDL*	BDL*	BDL*	0.62	BDL*	45.35	19.32	37.41	15.57
36	31-01-2020	62.66	33.47	BDL*	BDL*	BDL*	BDL*	0.71	BDL*	33.50	6.17	22.31	20.8
37	04-02-2020	70.20	36.52	BDL*	BDL*	BDL*	BDL*	0.24	BDL*	30.27	15.84	25.67	15.68
38	07-02-2020	62.62	27.54	BDL*	BDL*	BDL*	BDL*	0.52	BDL*	38.51	9.63	20.46	22.33
39	11-02-2020	58.25	33.47	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	21.53	12.87	23.48	20.4
40	14-02-2020	67.51	34.52	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	25.88	21.30	33.49	14.53
41	18-02-2020	82.69	45.63	BDL*	BDL*	BDL*	BDL*	0.53	BDL*	27.51	14.58	27.66	21.12
42	21-02-2020	78.64	23.48	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	37.55	11.59	24.50	12.22
43	25-02-2020	83.76	42.67	BDL*	BDL*	BDL*	BDL*	0.26	BDL*	42.35	13.64	32.65	25.35
44	28-02-2020	76.57	35.73	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	18.68	20.59	29.43	23.31
45	03-03-2020	82.39	45.45	BDL*	BDL*	BDL*	BDL*	0.47	BDL*	16.67	9.33	16.66	21.57
46	06-03-2020	74.32	42.43	BDL*	BDL*	BDL*	BDL*	0.96	BDL*	31.32	15.61	32.39	27.57
47	10-03-2020	67.17	32.74	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	19.64	17.71	26.56	18.49
48	13-03-2020	55.36	35.72	BDL*	BDL*	BDL*	BDL*	0.40	BDL*	15.49	13.50	22.49	16.68
49	17-03-2020	84.33	46.46	BDL*	BDL*	BDL*	BDL*	0.71	BDL*	21.63	6.78	15.73	17.67
50	20-03-2020	62.68	33.49	BDL*	BDL*	BDL*	BDL*	0.55	BDL*	29.49	12.27	25.38	20.33
51	24-03-2020	76.42	39.41	BDL*	BDL*	BDL*	BDL*	0.61	BDL*	23.62	21.29	34.59	24.37
52	27-03-2020	66.55	31.64	BDL*	BDL*	BDL*	BDL*	0.73	BDL*	35.47	18.48	37.63	19.28

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, Minimum Detection Limit, Lead as Pb: 0.1 µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m³, Arsenic as As: 2 ng/m³, Nickel as Ni: 5 ng/m³

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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



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

Sr. No.	Date of Sampling	Location-3: Sub-Station-7B Building											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01-10-2019	53.60	22.30	BDL*	BDL*	BDL*	BDL*	0.23	BDL*	24.29	12.53	21.59	23.44
2	04-10-2019	65.24	27.58	BDL*	BDL*	BDL*	BDL*	0.14	BDL*	29.76	10.61	24.56	15.22
3	08-10-2019	50.66	19.39	BDL*	BDL*	BDL*	BDL*	0.61	BDL*	35.67	6.49	26.46	12.38
4	11-10-2019	44.20	24.31	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	18.20	17.20	37.53	16.47
5	15-10-2019	64.28	31.59	BDL*	BDL*	BDL*	BDL*	0.50	BDL*	41.20	8.42	33.44	18.34
6	18-10-2019	58.30	17.50	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	34.39	19.46	20.56	11.57
7	22-10-2019	66.58	38.52	BDL*	BDL*	BDL*	BDL*	0.38	BDL*	27.29	9.58	35.21	25.19
8	25-10-2019	78.63	42.54	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	30.29	15.81	25.21	13.43
9	29-10-2019	59.28	28.24	BDL*	BDL*	BDL*	BDL*	0.29	BDL*	25.26	7.17	32.57	20.71
10	01-11-2019	61.20	29.59	BDL*	BDL*	BDL*	BDL*	0.40	BDL*	25.65	8.64	22.31	21.56
11	05-11-2019	82.37	48.62	BDL*	BDL*	BDL*	BDL*	0.63	BDL*	17.56	11.56	32.64	10.29
12	08-11-2019	58.67	28.63	BDL*	BDL*	BDL*	BDL*	0.32	BDL*	33.63	13.64	18.31	13.58
13	12-11-2019	63.66	30.32	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	24.26	18.62	21.55	17.22
14	15-11-2019	86.32	45.39	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	30.91	12.35	25.32	19.5
15	19-11-2019	52.61	25.53	BDL*	BDL*	BDL*	BDL*	0.26	BDL*	18.66	7.61	15.59	22.78
16	22-11-2019	79.23	27.54	BDL*	BDL*	BDL*	BDL*	0.47	BDL*	21.25	10.53	19.27	15.7
17	26-11-2019	68.69	34.24	BDL*	BDL*	BDL*	BDL*	0.23	BDL*	22.36	19.64	29.28	23.6
18	29-11-2019	55.34	22.09	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	14.58	9.53	26.84	11.53
19	03-12-2019	67.34	37.54	BDL*	BDL*	BDL*	BDL*	0.54	BDL*	21.72	14.52	38.65	14.14
20	06-12-2019	52.66	29.32	BDL*	BDL*	BDL*	BDL*	0.34	BDL*	31.33	9.52	20.31	20.21
21	10-12-2019	65.41	34.30	BDL*	BDL*	BDL*	BDL*	0.11	BDL*	10.34	16.42	23.59	10.58
22	13-12-2019	78.60	42.36	BDL*	BDL*	BDL*	BDL*	0.60	BDL*	23.53	10.26	18.34	19.46
23	17-12-2019	68.29	39.54	BDL*	BDL*	BDL*	BDL*	0.21	BDL*	40.24	7.62	15.39	12.41
24	20-12-2019	84.50	46.51	BDL*	BDL*	BDL*	BDL*	0.65	BDL*	20.25	13.57	32.51	15.28
25	24-12-2019	64.29	30.77	BDL*	BDL*	BDL*	BDL*	0.56	BDL*	15.65	8.78	25.62	21.55
26	27-12-2019	56.54	26.21	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	29.20	6.53	16.55	16.84
27	31-12-2019	61.52	33.68	BDL*	BDL*	BDL*	BDL*	0.71	BDL*	24.62	12.88	19.85	13.35



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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



28	03-01-2020	58.68	31.55	BDL*	BDL*	BDL*	BDL*	0.11	BDL*	44.57	6.53	32.33	18.63
29	07-01-2020	63.46	35.38	BDL*	BDL*	BDL*	BDL*	0.23	BDL*	35.65	14.57	25.64	16.37
30	10-01-2020	55.37	38.20	BDL*	BDL*	BDL*	BDL*	0.47	BDL*	38.31	10.32	30.20	21.24
31	14-01-2020	68.47	25.36	BDL*	BDL*	BDL*	BDL*	0.13	BDL*	27.64	19.52	31.22	23.42
32	17-01-2020	56.32	23.26	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	43.67	9.56	16.51	14.31
33	21-01-2020	49.34	15.33	BDL*	BDL*	BDL*	BDL*	0.40	BDL*	37.85	12.34	23.67	12.31
34	24-01-2020	65.38	29.63	BDL*	BDL*	BDL*	BDL*	0.26	BDL*	32.32	20.24	28.68	22.46
35	28-01-2020	72.48	36.35	BDL*	BDL*	BDL*	BDL*	0.55	BDL*	12.44	13.26	20.32	20.53
36	31-01-2020	67.59	24.24	BDL*	BDL*	BDL*	BDL*	0.14	BDL*	26.50	8.43	18.62	15.4
37	04-02-2020	51.50	26.75	BDL*	BDL*	BDL*	BDL*	0.48	BDL*	16.58	8.27	15.57	19.22
38	07-02-2020	69.26	30.45	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	12.68	16.24	34.50	12.42
39	11-02-2020	53.49	22.42	BDL*	BDL*	BDL*	BDL*	0.36	BDL*	30.42	14.34	28.49	14.12
40	14-02-2020	74.27	43.56	BDL*	BDL*	BDL*	BDL*	0.55	BDL*	33.44	6.79	17.51	22.67
41	18-02-2020	55.62	28.25	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	24.38	10.60	20.28	15.46
42	21-02-2020	66.30	31.20	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	18.32	15.28	27.21	20.66
43	25-02-2020	58.67	24.26	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	20.45	11.41	24.35	23.54
44	28-02-2020	68.29	27.63	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	28.66	9.64	19.24	18.43
45	03-03-2020	71.64	35.51	BDL*	BDL*	BDL*	BDL*	0.24	BDL*	19.67	14.31	19.37	10.78
46	06-03-2020	63.37	39.66	BDL*	BDL*	BDL*	BDL*	0.88	BDL*	25.68	12.58	24.59	23.32
47	10-03-2020	84.58	44.32	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	15.71	9.62	21.53	15.33
48	13-03-2020	76.37	48.21	BDL*	BDL*	BDL*	BDL*	0.69	BDL*	21.33	11.20	31.33	11.59
49	17-03-2020	68.32	31.30	BDL*	BDL*	BDL*	BDL*	0.58	BDL*	26.37	16.41	26.52	24.37
50	20-03-2020	89.29	42.52	BDL*	BDL*	BDL*	BDL*	0.21	BDL*	14.31	7.76	32.53	18.17
51	24-03-2020	54.24	19.68	BDL*	BDL*	BDL*	BDL*	0.52	BDL*	29.54	10.32	23.63	16.74
52	27-03-2020	61.39	28.25	BDL*	BDL*	BDL*	BDL*	0.66	BDL*	20.68	15.49	28.30	12.23

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, Minimum Detection Limit, Lead as Pb: 0.1 $\mu\text{g}/\text{m}^3$, Carbon Monoxide as CO: 0.1 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

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

Sr. No.	Date of Sampling	Location-4: GCPTL Gate											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01-10-2019	49.33	19.57	BDL*	BDL*	BDL*	BDL*	0.11	BDL*	35.34	15.66	25.41	21.64
2	04-10-2019	59.34	30.21	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	22.64	13.16	21.24	12.58
3	08-10-2019	63.49	25.38	BDL*	BDL*	BDL*	BDL*	0.21	BDL*	28.20	8.54	15.49	24.81
4	11-10-2019	70.29	21.37	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	39.93	6.47	26.54	18.54
5	15-10-2019	55.62	23.22	BDL*	BDL*	BDL*	BDL*	0.37	BDL*	31.53	12.33	18.58	20.66
6	18-10-2019	50.29	20.22	BDL*	BDL*	BDL*	BDL*	0.19	BDL*	27.58	9.66	30.27	16.29
7	22-10-2019	77.30	34.29	BDL*	BDL*	BDL*	BDL*	0.41	BDL*	21.66	7.25	20.30	13.53
8	25-10-2019	60.57	26.40	BDL*	BDL*	BDL*	BDL*	0.24	BDL*	18.50	10.38	28.37	10.32
9	29-10-2019	52.39	22.53	BDL*	BDL*	BDL*	BDL*	0.22	BDL*	37.27	14.68	23.57	17.79
10	01-11-2019	66.50	32.64	BDL*	BDL*	BDL*	BDL*	0.57	BDL*	33.83	6.48	18.60	11.21
11	05-11-2019	56.60	36.56	BDL*	BDL*	BDL*	BDL*	0.53	BDL*	11.24	8.33	26.39	14.24
12	08-11-2019	64.51	31.34	BDL*	BDL*	BDL*	BDL*	0.64	BDL*	24.39	10.27	23.47	18.28
13	12-11-2019	58.39	26.33	BDL*	BDL*	BDL*	BDL*	0.19	BDL*	31.59	12.01	35.75	12.79
14	15-11-2019	65.36	30.49	BDL*	BDL*	BDL*	BDL*	0.50	BDL*	21.37	9.34	19.53	24.58
15	19-11-2019	78.31	37.61	BDL*	BDL*	BDL*	BDL*	0.36	BDL*	37.52	14.22	29.45	19.47
16	22-11-2019	62.49	24.34	BDL*	BDL*	BDL*	BDL*	0.29	BDL*	10.62	16.64	25.64	17.89
17	26-11-2019	73.46	40.36	BDL*	BDL*	BDL*	BDL*	0.58	BDL*	13.69	13.80	22.52	13.61
18	29-11-2019	60.24	27.37	BDL*	BDL*	BDL*	BDL*	0.52	BDL*	26.34	7.56	17.54	10.62
19	03-12-2019	73.52	31.52	BDL*	BDL*	BDL*	BDL*	0.49	BDL*	16.84	7.24	21.57	19.27
20	06-12-2019	57.69	25.61	BDL*	BDL*	BDL*	BDL*	0.13	BDL*	19.53	15.63	28.51	16.53
21	10-12-2019	60.21	28.48	BDL*	BDL*	BDL*	BDL*	0.58	BDL*	20.66	12.32	33.43	13.44
22	13-12-2019	55.50	30.65	BDL*	BDL*	BDL*	BDL*	0.22	BDL*	13.63	18.73	36.42	17.34
23	17-12-2019	63.47	35.43	BDL*	BDL*	BDL*	BDL*	0.29	BDL*	25.33	11.57	29.49	22.43
24	20-12-2019	72.67	38.39	BDL*	BDL*	BDL*	BDL*	0.40	BDL*	29.58	19.55	25.33	10.37
25	24-12-2019	48.38	19.53	BDL*	BDL*	BDL*	BDL*	0.17	BDL*	31.20	13.64	37.57	18.49
26	27-12-2019	50.35	23.48	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	24.38	8.45	19.36	11.26
27	31-12-2019	69.52	36.35	BDL*	BDL*	BDL*	BDL*	0.61	BDL*	22.53	17.81	24.23	15.45


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 : 2004 • OHSAS 18001 : 2007 • ISO 9001 : 2008

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

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



28	03-01-2020	53.42	22.41	BDL*	BDL*	BDL*	BDL*	0.21	BDL*	32.55	8.50	27.56	10.17
29	07-01-2020	71.68	29.20	BDL*	BDL*	BDL*	BDL*	0.64	BDL*	25.47	18.34	19.23	13.51
30	10-01-2020	49.26	30.53	BDL*	BDL*	BDL*	BDL*	0.37	BDL*	31.34	13.47	29.39	16.6
31	14-01-2020	61.53	20.37	BDL*	BDL*	BDL*	BDL*	0.48	BDL*	18.25	11.81	17.56	14.54
32	17-01-2020	50.24	15.47	BDL*	BDL*	BDL*	BDL*	0.41	BDL*	22.52	7.57	33.37	18.57
33	21-01-2020	44.37	23.33	BDL*	BDL*	BDL*	BDL*	0.61	BDL*	34.26	15.34	28.31	22.52
34	24-01-2020	54.54	26.51	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	36.72	12.46	24.23	15.26
35	28-01-2020	65.41	33.56	BDL*	BDL*	BDL*	BDL*	0.32	BDL*	42.58	9.63	16.88	19.63
36	31-01-2020	51.24	18.58	BDL*	BDL*	BDL*	BDL*	0.36	BDL*	39.32	19.26	25.47	11.67
37	04-02-2020	76.56	40.25	BDL*	BDL*	BDL*	BDL*	0.54	BDL*	40.28	12.65	28.33	23.39
38	07-02-2020	50.57	22.65	BDL*	BDL*	BDL*	BDL*	0.38	BDL*	26.57	19.34	26.31	17.6
39	11-02-2020	72.64	37.83	BDL*	BDL*	BDL*	BDL*	0.46	BDL*	18.45	11.51	21.58	15.37
40	14-02-2020	60.24	28.45	BDL*	BDL*	BDL*	BDL*	0.13	BDL*	30.52	14.76	18.24	24.57
41	18-02-2020	70.55	36.71	BDL*	BDL*	BDL*	BDL*	0.17	BDL*	21.23	16.55	23.55	12.28
42	21-02-2020	55.41	20.23	BDL*	BDL*	BDL*	BDL*	0.76	BDL*	14.55	7.28	15.35	16.56
43	25-02-2020	77.55	38.54	BDL*	BDL*	BDL*	BDL*	0.50	BDL*	28.33	17.23	20.13	21.63
44	28-02-2020	58.40	24.36	BDL*	BDL*	BDL*	BDL*	0.29	BDL*	13.54	6.17	30.52	10.2
45	03-03-2020	56.29	26.42	BDL*	BDL*	BDL*	BDL*	0.29	BDL*	13.52	17.61	31.53	14.64
46	06-03-2020	69.64	34.26	BDL*	BDL*	BDL*	BDL*	0.27	BDL*	22.37	20.62	27.60	18.32
47	10-03-2020	59.62	28.64	BDL*	BDL*	BDL*	BDL*	0.79	BDL*	11.55	12.85	30.27	13.58
48	13-03-2020	71.60	41.43	BDL*	BDL*	BDL*	BDL*	0.36	BDL*	24.66	8.59	26.35	21.69
49	17-03-2020	61.63	27.84	BDL*	BDL*	BDL*	BDL*	0.85	BDL*	18.43	14.32	33.40	19.47
50	20-03-2020	50.32	22.62	BDL*	BDL*	BDL*	BDL*	0.57	BDL*	35.38	9.53	28.58	12.64
51	24-03-2020	62.97	29.47	BDL*	BDL*	BDL*	BDL*	0.78	BDL*	14.58	16.34	32.91	10.2
52	27-03-2020	57.54	25.63	BDL*	BDL*	BDL*	BDL*	0.54	BDL*	17.37	7.35	15.94	15.29

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

Note: BDL*: Below Detection Limit, Minimum Detection Limit, Lead as Pb: 0.1 µg/m³, Carbon Monoxide as CO: 0.1 mg/m³, Benzene as C₆H₆: 2 µg/m³, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m³, Arsenic as As: 2 ng/m³, Nickel as Ni: 5 ng/m³

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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

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

Sr. No.	Date of Sampling	Location-5: Near Silo Porta Cabin											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01-10-2019	63.51	27.66	BDL*	BDL*	BDL*	BDL*	0.30	BDL*	26.31	10.24	16.55	16.52
2	04-10-2019	55.62	23.42	BDL*	BDL*	BDL*	BDL*	0.80	BDL*	32.54	6.82	18.64	20.25
3	08-10-2019	77.56	29.55	BDL*	BDL*	BDL*	BDL*	0.27	BDL*	19.26	13.26	31.27	18.44
4	11-10-2019	82.66	36.54	BDL*	BDL*	BDL*	BDL*	0.47	BDL*	25.49	11.22	22.35	24.36
5	15-10-2019	59.37	33.23	BDL*	BDL*	BDL*	BDL*	0.45	BDL*	35.22	17.14	35.58	15.18
6	18-10-2019	69.27	26.39	BDL*	BDL*	BDL*	BDL*	0.17	BDL*	31.28	12.12	27.53	22.22
7	22-10-2019	57.31	30.35	BDL*	BDL*	BDL*	BDL*	0.26	BDL*	24.57	14.57	30.52	11.3
8	25-10-2019	65.32	38.26	BDL*	BDL*	BDL*	BDL*	0.40	BDL*	21.52	8.30	23.49	14.39
9	29-10-2019	48.58	19.23	BDL*	BDL*	BDL*	BDL*	0.52	BDL*	17.56	18.33	36.39	25.64
10	01-11-2019	50.67	20.22	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	18.52	9.88	30.21	18.64
11	05-11-2019	68.66	39.37	BDL*	BDL*	BDL*	BDL*	0.30	BDL*	31.64	13.26	21.69	16.49
12	08-11-2019	74.66	43.20	BDL*	BDL*	BDL*	BDL*	0.38	BDL*	21.55	18.24	26.48	11.66
13	12-11-2019	52.62	23.49	BDL*	BDL*	BDL*	BDL*	0.31	BDL*	15.30	14.58	29.55	20.44
14	15-11-2019	70.21	38.62	BDL*	BDL*	BDL*	BDL*	0.27	BDL*	33.68	19.61	31.65	10.75
15	19-11-2019	58.61	34.56	BDL*	BDL*	BDL*	BDL*	0.37	BDL*	20.38	10.62	23.63	13.48
16	22-11-2019	67.51	31.25	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	14.54	8.58	32.70	23.42
17	26-11-2019	79.58	37.56	BDL*	BDL*	BDL*	BDL*	0.55	BDL*	28.30	11.28	16.60	17.97
18	29-11-2019	50.20	21.45	BDL*	BDL*	BDL*	BDL*	0.17	BDL*	36.54	15.32	22.62	22.45
19	03-12-2019	62.64	28.58	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	19.26	11.33	26.54	23.22
20	06-12-2019	71.21	37.52	BDL*	BDL*	BDL*	BDL*	0.24	BDL*	34.27	18.43	29.57	13.29
21	10-12-2019	55.48	31.27	BDL*	BDL*	BDL*	BDL*	0.50	BDL*	14.57	9.63	18.56	16.23
22	13-12-2019	60.22	38.49	BDL*	BDL*	BDL*	BDL*	0.64	BDL*	17.84	6.27	23.20	14.34
23	17-12-2019	72.66	27.66	BDL*	BDL*	BDL*	BDL*	0.38	BDL*	30.41	14.20	25.27	19.31
24	20-12-2019	68.41	32.53	BDL*	BDL*	BDL*	BDL*	0.55	BDL*	24.21	8.27	16.24	21.65
25	24-12-2019	58.64	25.39	BDL*	BDL*	BDL*	BDL*	0.48	BDL*	20.20	16.46	19.58	25.69
26	27-12-2019	63.55	29.55	BDL*	BDL*	BDL*	BDL*	0.14	BDL*	32.43	12.31	21.64	18.32
27	31-12-2019	74.55	40.58	BDL*	BDL*	BDL*	BDL*	0.39	BDL*	37.54	19.67	28.26	20.34

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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



28	03-01-2020	71.56	29.59	BDL*	BDL*	BDL*	BDL*	0.44	BDL*	36.36	16.29	34.37	15.63
29	07-01-2020	59.65	26.25	BDL*	BDL*	BDL*	BDL*	0.15	BDL*	40.23	11.32	28.29	19.54
30	10-01-2020	72.46	28.53	BDL*	BDL*	BDL*	BDL*	0.77	BDL*	23.58	8.64	24.52	23.68
31	14-01-2020	57.50	32.48	BDL*	BDL*	BDL*	BDL*	0.24	BDL*	32.48	15.69	21.63	11.23
32	17-01-2020	61.52	18.34	BDL*	BDL*	BDL*	BDL*	0.16	BDL*	26.39	13.59	26.23	16.53
33	21-01-2020	55.31	30.30	BDL*	BDL*	BDL*	BDL*	0.42	BDL*	22.13	6.37	33.57	20.66
34	24-01-2020	60.25	34.56	BDL*	BDL*	BDL*	BDL*	0.65	BDL*	19.55	18.78	20.27	10.26
35	28-01-2020	54.31	19.27	BDL*	BDL*	BDL*	BDL*	0.34	BDL*	25.88	7.22	29.23	13.4
36	31-01-2020	45.31	15.52	BDL*	BDL*	BDL*	BDL*	0.46	BDL*	20.33	14.40	15.31	26.25
37	04-02-2020	64.23	30.25	BDL*	BDL*	BDL*	BDL*	0.34	BDL*	25.39	10.55	31.54	21.21
38	07-02-2020	55.31	18.26	BDL*	BDL*	BDL*	BDL*	0.41	BDL*	35.46	14.70	30.49	10.22
39	11-02-2020	62.46	26.20	BDL*	BDL*	BDL*	BDL*	0.21	BDL*	12.39	18.23	34.59	18.21
40	14-02-2020	56.34	23.28	BDL*	BDL*	BDL*	BDL*	0.11	BDL*	15.36	8.72	24.23	12.64
41	18-02-2020	77.53	39.40	BDL*	BDL*	BDL*	BDL*	0.23	BDL*	18.29	12.48	32.42	17.82
42	21-02-2020	50.23	16.56	BDL*	BDL*	BDL*	BDL*	0.19	BDL*	20.98	9.25	20.35	14.62
43	25-02-2020	63.27	27.21	BDL*	BDL*	BDL*	BDL*	0.57	BDL*	31.51	19.54	27.55	19.51
44	28-02-2020	53.52	20.33	BDL*	BDL*	BDL*	BDL*	0.40	BDL*	24.20	15.03	22.57	11.65
45	03-03-2020	65.33	32.43	BDL*	BDL*	BDL*	BDL*	0.41	BDL*	24.23	6.63	26.25	16.2
46	06-03-2020	58.29	27.29	BDL*	BDL*	BDL*	BDL*	0.64	BDL*	18.49	17.27	29.61	21.33
47	10-03-2020	48.34	22.69	BDL*	BDL*	BDL*	BDL*	0.15	BDL*	23.48	8.39	20.45	22.43
48	13-03-2020	86.37	46.43	BDL*	BDL*	BDL*	BDL*	0.30	BDL*	11.39	15.20	23.53	25.45
49	17-03-2020	54.43	23.23	BDL*	BDL*	BDL*	BDL*	0.48	BDL*	15.29	10.67	30.64	20.58
50	20-03-2020	67.35	37.69	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	17.57	13.30	18.60	15.56
51	24-03-2020	72.78	34.58	BDL*	BDL*	BDL*	BDL*	0.18	BDL*	26.48	7.65	15.41	12.44
52	27-03-2020	50.28	21.41	BDL*	BDL*	BDL*	BDL*	0.13	BDL*	12.49	9.37	17.68	17.72

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, Minimum Detection Limit, Lead as Pb: 0.1 $\mu\text{g}/\text{m}^3$, Carbon Monoxide as CO: 0.1 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

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

Sr. No.	Date of Sampling	Location-6: JS – 2 Junction											
		PM ₁₀	PM _{2.5}	Pb	BaP	As	Ni	CO	C ₆ H ₆	NH ₃	SO ₂	NO _x	O ₃
		µg/m ³	µg/m ³	µg/m ³	ng/m ³	ng/m ³	ng/m ³	mg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
1	01-10-2019	74.52	35.70	BDL*	BDL*	BDL*	BDL*	0.33	BDL*	41.58	20.49	36.20	22.34
2	04-10-2019	90.26	51.25	BDL*	BDL*	2.13	BDL*	0.32	BDL*	36.54	15.31	31.57	17.57
3	08-10-2019	81.36	48.51	0.56	BDL*	2.03	10.05	0.66	BDL*	23.65	17.51	28.68	26.38
4	11-10-2019	73.21	41.30	BDL*	BDL*	2.93	BDL*	0.56	BDL*	45.25	25.26	34.53	19.41
5	15-10-2019	88.66	47.93	0.76	BDL*	2.64	10.67	0.74	BDL*	52.43	21.19	32.42	24.22
6	18-10-2019	78.59	29.48	BDL*	BDL*	BDL*	BDL*	0.89	BDL*	40.20	14.36	43.63	28.24
7	22-10-2019	71.29	46.38	BDL*	BDL*	2.55	BDL*	0.70	BDL*	35.16	23.55	38.24	23.54
8	25-10-2019	84.20	49.33	0.71	BDL*	2.76	10.39	0.62	BDL*	38.58	18.21	41.28	18.25
9	29-10-2019	69.22	31.53	BDL*	BDL*	BDL*	BDL*	0.68	BDL*	28.53	22.21	27.30	29.30
10	01-11-2019	75.60	37.33	BDL*	BDL*	BDL*	BDL*	0.65	BDL*	48.50	15.36	26.65	23.21
11	05-11-2019	88.66	44.48	0.68	BDL*	2.24	10.13	0.92	BDL*	39.29	20.25	38.33	25.24
12	08-11-2019	78.61	40.53	BDL*	BDL*	BDL*	BDL*	0.82	BDL*	30.37	11.31	29.31	22.46
13	12-11-2019	86.35	48.57	BDL*	BDL*	BDL*	BDL*	1.01	BDL*	33.50	10.91	32.58	14.54
14	15-11-2019	68.46	36.32	0.52	BDL*	2.58	10.53	0.88	BDL*	28.50	23.27	35.80	20.68
15	19-11-2019	80.22	46.27	BDL*	BDL*	BDL*	BDL*	0.73	BDL*	24.61	12.48	25.49	18.50
16	22-11-2019	72.60	39.27	0.72	BDL*	2.46	10.69	0.94	BDL*	34.53	19.26	39.28	21.24
17	26-11-2019	83.58	45.68	BDL*	BDL*	BDL*	BDL*	0.70	BDL*	40.22	16.86	36.59	15.85
18	29-11-2019	78.56	29.81	BDL*	BDL*	BDL*	BDL*	0.87	BDL*	46.82	18.34	33.64	26.33
19	03-12-2019	78.29	40.22	BDL*	BDL*	BDL*	BDL*	0.46	BDL*	39.39	22.30	41.98	17.24
20	06-12-2019	86.24	46.26	0.52	BDL*	2.76	10.59	0.27	BDL*	44.20	19.56	32.67	24.28
21	10-12-2019	79.39	43.53	BDL*	BDL*	BDL*	BDL*	0.47	BDL*	31.62	18.59	43.27	21.27
22	13-12-2019	84.36	47.54	0.64	BDL*	2.65	10.26	0.69	BDL*	34.51	21.20	37.40	18.54
23	17-12-2019	77.58	32.58	BDL*	BDL*	BDL*	BDL*	0.25	BDL*	45.22	17.59	40.20	14.19
24	20-12-2019	89.27	49.61	0.72	BDL*	2.70	10.61	0.63	BDL*	38.48	15.23	28.68	25.61
25	24-12-2019	74.84	38.32	BDL*	BDL*	BDL*	BDL*	0.85	BDL*	25.24	20.35	31.58	28.50
26	27-12-2019	67.52	33.77	BDL*	BDL*	BDL*	BDL*	0.52	BDL*	35.62	14.38	24.59	26.55
27	31-12-2019	85.30	48.20	BDL*	BDL*	BDL*	BDL*	0.94	BDL*	43.52	23.53	34.51	23.15


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 : 2004 • OHSAS 18001 : 2007 • ISO 9001 : 2008

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

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



28	03-01-2020	80.23	34.68	BDL*	BDL*	BDL*	BDL*	0.73	BDL*	25.32	18.23	39.21	21.30
29	07-01-2020	89.34	45.61	0.72	BDL*	2.34	10.33	0.63	BDL*	38.25	9.43	42.29	27.55
30	10-01-2020	77.56	42.65	BDL*	BDL*	BDL*	BDL*	0.56	BDL*	35.48	12.60	34.57	19.40
31	14-01-2020	87.62	59.37	0.68	BDL*	2.76	10.09	0.29	BDL*	15.68	26.33	38.62	26.39
32	17-01-2020	79.21	37.55	BDL*	BDL*	BDL*	BDL*	0.66	BDL*	46.20	16.87	29.73	22.36
33	21-01-2020	61.45	33.13	BDL*	BDL*	BDL*	BDL*	0.58	BDL*	28.63	24.23	41.26	16.89
34	24-01-2020	75.30	40.22	BDL*	BDL*	BDL*	BDL*	0.68	BDL*	40.31	15.29	33.21	20.32
35	28-01-2020	85.32	44.55	0.56	BDL*	2.18	10.25	0.82	BDL*	30.12	11.39	30.19	28.52
36	31-01-2020	58.43	28.23	BDL*	BDL*	BDL*	BDL*	0.78	BDL*	45.62	21.23	36.55	24.60
37	04-02-2020	82.67	46.26	0.64	BDL*	2.36	10.30	0.84	BDL*	46.23	14.36	34.22	25.64
38	07-02-2020	74.61	37.48	BDL*	BDL*	BDL*	BDL*	0.47	BDL*	23.39	21.24	38.36	19.65
39	11-02-2020	67.57	29.28	BDL*	BDL*	BDL*	BDL*	0.63	BDL*	39.44	16.43	31.29	22.41
40	14-02-2020	78.64	45.35	BDL*	BDL*	BDL*	BDL*	0.56	BDL*	42.29	18.43	36.50	16.23
41	18-02-2020	88.48	48.41	0.74	BDL*	2.42	10.61	0.74	BDL*	33.64	22.20	33.57	24.28
42	21-02-2020	60.56	34.62	BDL*	BDL*	BDL*	BDL*	0.80	BDL*	25.78	13.52	30.33	21.59
43	25-02-2020	70.28	35.62	BDL*	BDL*	BDL*	BDL*	0.45	BDL*	45.54	23.55	42.35	26.30
44	28-02-2020	86.20	38.68	0.56	BDL*	2.22	10.45	0.65	BDL*	29.22	17.54	39.39	15.25
45	03-03-2020	77.59	39.75	0.72	BDL*	2.12	BDL*	0.53	BDL*	29.92	12.70	33.27	18.78
46	06-03-2020	88.45	47.47	0.68	BDL*	2.26	BDL*	0.34	BDL*	38.66	22.78	35.64	25.58
47	10-03-2020	73.54	35.71	BDL*	BDL*	BDL*	BDL*	0.37	BDL*	26.61	15.46	38.28	20.34
48	13-03-2020	81.56	37.62	0.54	BDL*	2.52	BDL*	0.74	BDL*	27.91	20.25	34.26	13.63
49	17-03-2020	89.46	43.59	BDL*	BDL*	BDL*	BDL*	0.56	BDL*	32.69	24.51	27.67	26.25
50	20-03-2020	75.01	30.66	0.75	BDL*	2.46	BDL*	0.65	BDL*	20.48	18.35	21.43	22.59
51	24-03-2020	67.33	36.29	BDL*	BDL*	BDL*	BDL*	1.00	BDL*	36.57	13.20	39.53	19.64
52	27-03-2020	71.58	33.20	BDL*	BDL*	BDL*	BDL*	0.86	BDL*	42.55	19.54	31.84	23.39

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

Note: BDL*: Below Detection Limit, Minimum Detection Limit, Lead as Pb: 0.1 $\mu\text{g}/\text{m}^3$, Carbon Monoxide as CO: 0.1 mg/m^3 , Benzene as C_6H_6 : 2 $\mu\text{g}/\text{m}^3$, Benzo (a) Pyrene (BaP) - Particulate Phase only: 0.5 ng/m^3 , Arsenic as As: 2 ng/m^3 , Nickel as Ni: 5 ng/m^3

Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



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

Table- 1: Ground Water Level & Quality Analysis (Pizometer) Results for the period: October-19 to March-20

3B.1 Near Sub Station-7B

SR. NO.	TEST PARAMETER	UNIT	OBSERVATION					
			Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	March-20
			18-10-2019	25-11-2019	26-12-2019	28-01-2020	11-02-2020	19-03-2020
1	Temperature	°C	31	30.3	29.6	29.9	30	31.8
2	pH	--	7.96	7.98	7.72	8.57	8.14	8.13
3	Total Dissolved Solids	mg/L	1812	1904	1872	898	856	1184
4	Salinity	ppt	1.25	1.31	1.28	0.24	0.23	0.37
5	Chloride as Cl	mg/L	699	729	709	134	128	210
6	Depth of Water Level from Ground Level	meter	2	2.2	1.5	1.5	1.5	1.7
7	Status of Tide	--	High Tide	High Tide	High Tide	High Tide	High Tide	High Tide

3B.2 Near QHSE Office

SR. NO.	TEST PARAMETER	UNIT	OBSERVATION					
			Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	March-20
			18-10-2019	25-11-2019	26-12-2019	28-01-2020	11-02-2020	19-03-2020
1	Temperature	°C	31.2	31	29.5	29.8	30	31.9
2	pH	--	7.61	7.72	7.58	8.61	8.42	8.27
3	Total Dissolved Solids	mg/L	1856	1910	1820	879	862	1034
4	Salinity	ppt	1.35	1.36	1.35	0.22	0.21	0.3
5	Chloride as Cl	mg/L	719	794	750	124	118	170
6	Depth of Water Level from Ground Level	meter	1.8	2	2.5	2.5	2.5	2.8
7	Status of Tide	--	High Tide	High Tide	High Tide	High Tide	High Tide	High Tide



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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



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 2019 to March 2020:-

Sr. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE											
			OCT-19		NOV-19		DEC-19		JAN-20		FEB-20		MARCH-20	
			18-10-2019		25-11-2019		26-12-2019		28-01-2020		11-02-2020		17-03-2020	
			Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.27	8.15	8.17	8.09	8.1	7.97	7.8	8.12	8.25	8.12	8.14	8.07
2	Temperature	°C	29.8	29	29.6	29	29.9	29.5	29.9	29.7	29.6	29.4	30.3	30
3	Total Suspended Solids	mg/L	356	372	304	356	290	267	420	316	374	402	370	398
4	BOD (3 Days @ 27 °C)	mg/L	3.4	Not Detected	4.8	Not Detected	4	Not Detected	8	4.2	5.8	3	4.6	Not Detected
5	Dissolved Oxygen	mg/L	6	5.7	5.6	5.9	5.5	5.8	5.6	5.8	5.6	5.7	5.8	5.6
6	Salinity	ppt	30.7	31.2	30.5	31.3	31.8	32.5	28.5	29.9	29.2	29.8	30.4	30.6
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	μmol/L	1.8	1.97	2.16	2	2.67	2.1	6.28	7.42	5.9	6.19	5.17	5.11
9	Nitrite as NO ₂	μmol/L	0.21	0.13	1.14	1	0.94	0.76	1.46	1.5	1.18	1.24	1.94	1.46
10	Ammonical Nitrogen as NH ₃	μmol/L	1.58	1.77	3.24	2.98	3.56	3.29	1.91	2.18	1.74	1.89	2.93	2.73
11	Phosphates as PO ₄	μmol/L	2.1	2.36	2.76	2.51	2.64	2.57	4.19	4.53	3.86	3.97	2.64	2.38
12	Total Nitrogen	μmol/L	3.29	3.87	6.54	5.98	7.17	6.15	9.65	11.1	8.82	9.32	10.04	9.3
13	Petroleum Hydrocarbon	μg/L	7.2	Not Detected	9.6	Not Detected	11	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14	Total Dissolved Solids	mg/L	32950	33468	32890	33398	34116	34364	31168	31684	30246	31540	32840	33368
15	COD	mg/L	18.6	Not Detected	21	Not Detected	25	Not Detected	31	20	25.4	17.2	25	18
A Flora and Fauna														
16.1	Primary Productivity	mgC/L/day	10.8	8.32	13.9	9.36	14.4	9.45	14.85	13.5	14.17	13.27	18.45	16.2
B Phytoplankton														
17.1	Chlorophyll	mg/m ³	3.15	2.99	3.31	2.62	2.72	2.35	3.04	2.94	3.26	2.8	3.74	3.36
17.2	Phaeophytin	mg/m ³	1.04	1.2	0.35	0.6	1.09	1.31	2.38	2.52	2.01	2.61	1.2	1.79
17.3	Cell Count	Unit x 10 ³ /L	192	82	184	78	194	84	146	90	156	104	156	104
17.4	Name of Group Number and name of group species of each group	--	Coscino discus sp. Navicul a sp. Thallasi osira sp. Biddulph hia sp.	Coscino discus sp. Navicul a sp. Nitzschi a sp. --	Thallasi onema sp. Biddulph hia sp. Coscino discus sp.	Fragilla ria sp. Nitzschi a sp. Rhizoso lenia sp.	Asterio nella sp. Nitzschi a sp. Coscino discus sp. Pleuros igma sp.	Nitzschi a sp. Navicul a sp. Thallasi osira sp. --	Navicul a sp. Nitzschi a sp. Gyrosig ma sp. Cosino discus sp.	Nitzschi a sp. Navicul a sp. Thalasi osira sp. --	Navicul a sp. Asterio nella sp. Coscino discus sp. Nitzschi a sp.	Nitzschi a sp. Synedr a sp. Cosmar ium sp. --	Biddulph hia sp. Rhizoso lenia sp. Coscino discus sp. Thallasi onema sp.	Nitzschi a sp. Navicul a sp. Fragilla ria sp. --

Continue...

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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



POLLUCON LABORATORIES PVT. LTD.

Sr. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS SEA WATER SOUTH SIDE					
			OCT-19	NOV-19	DEC-19	JAN-20	FEB-20	MARCH-20
			18-10-2019	25-11-2019	26-12-2019	28-01-2020	11-02-2020	17-03-2020
			South Side	South Side	South Side	South Side	South Side	South Side
C	Zooplanktons							
18.1	Abundance (Population)	noX10 ³ /100m ³	43	41	47	42	39	32
18.2	Name of Group Number and name of group species of each group	--	Copepods Decapods Polychaetes	Copepods Gastropods Polychaetes	Ostracods Nauplius larvae Gastropods	Polychaetes Bivalves Crustaceans	Polychaetes Nauplius larvae Ostracods	Polychaetes Crustaceans Bivalves
18.3	Total Biomass	ml/100 m ³	3.45	3.75	3.8	1.6	1.55	2.8
D	Microbiological Parameters							
19.1	Total Bacterial Count	CFU/ml	1860	1800	1820	2050	2180	1560
19.2	Total Coliform	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.3	E.coli	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.4	Enterococcus species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.7	Vibrio species	/ml	Absent	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.

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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Table No.: 3C.2 - Sea Water (Surface & Bottom) Quality Analysis Results of Sea Water North Side for the period: October 2019 to March 2020:-

SR. NO..	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE											
			OCT-19		NOV-19		DEC-19		JAN-20		FEB-20		MARCH-20	
			18-10-2019	25-11-2019	26-12-2019	28-01-2020	11-02-2020	17-03-2020	Surface	Bottom	Surface	Bottom	Surface	Bottom
1	pH	--	8.2	8.13	8.14	8	8.13	8.06	7.94	8.07	8.23	8.17	8.21	8.11
2	Temperature	°C	29.8	29.1	29.6	29.2	29.9	29.6	29.8	29.6	29.8	29.7	30.4	30.1
3	Total Suspended Solids	mg/L	362	390	312	339	246	258	548	492	386	412	392	405
4	BOD (3 Days @ 27 °C)	mg/L	3.8	Not Detected	4.3	Not Detected	4	Not Detected	9.2	5.1	6.3	3.8	4.8	Not Detected
5	Dissolved Oxygen	mg/L	5.9	5.7	5.7	5.9	6	5.9	5.8	5.9	5.7	5.9	5.9	5.6
6	Salinity	ppt	30.8	31.3	30.6	31.3	32	32.8	28.8	29.5	29.4	29.7	30.4	30.5
7	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
8	Nitrate as NO ₃	µmol/L	1.84	1.9	2.1	1.91	2.56	2.13	7.9	8.2	5.82	6.1	5.28	5.16
9	Nitrite as NO ₂	µmol/L	0.23	0.16	1.26	1.14	0.87	0.7	2.18	1.49	1.28	1.39	1.7	1.58
10	Ammonical Nitrogen as NH ₃	µmol/L	1.49	1.63	3.38	3.25	3.62	3.24	1.31	1.28	1.96	2.16	2.84	2.69
11	Phosphates as PO ₄	µmol/L	2.23	2.4	2.7	2.58	2.58	2.39	4.68	3.56	3.79	3.9	2.5	2.32
12	Total Nitrogen	µmol/L	3.56	3.69	6.74	6.3	7.05	6.07	11.39	10.67	9.06	9.65	9.82	9.43
13	Petroleum Hydrocarbon	µg/L	7	Not Detected	10.3	Not Detected	14	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
14	Total Dissolved Solids	mg/L	32983	33234	32516	33210	33916	35180	30940	31978	31164	31736	32910	33204
15	COD	mg/L	20.6	Not Detected	19	Not Detected	27	Not Detected	39	24	30	21	27	20
A Flora and Fauna														
16.1	Primary Productivity	mgC/L/day	10.75	8.1	12.69	9	13.5	11.7	15.75	13.95	15.3	14.67	16.4	15.3
B Phytoplankton														
17.1	Chlorophyll	mg/m ³	3.31	2.61	3.36	2.67	2.83	2.45	3.25	2.83	3.04	2.99	3.31	3.5
17.2	Phaeophytin	mg/m ³	0.76	1.94	0.34	1.14	1.02	1.13	2.05	2.7	2.41	2.43	1.96	2.16
17.3	Cell Count	Unit x 10 ³ /L	198	80	180	70	186	74	152	86	146	98	146	98
17.4	Name of Group Number and name of group species of each group	--	Rhizosolenia sp. Coscinodiscus sp. Navicula sp. Gomphonema sp.	Synedra sp. Cymbella sp. Thalassiosira sp. --	Navicula sp. Biddulphia sp. Rhizosolenia sp. Nitzschia sp.	Nitzschia sp. Fragillaria sp. Coscinodiscus sp. --	Coscinodiscus sp. Nitzschia sp. Rhizosolenia sp. Thalassiosira sp.	Navicula sp. Synedra sp. Pleurosigma sp. --	Navicula sp. Melosira sp. Thalassiosira sp. Gyrosigma sp.	Navicula sp. Nitzschia sp. Fragillaria sp. --	Nitzschia sp. Asterionella sp. Coscinodiscus sp. cosmarium sp.	Navicula sp. Spirulina sp. Nitzschia sp. --	Nitzschia sp. Rhizosolenia sp. Coscinodiscus sp. Pleurosigma sp.	Nitzschia sp. Synedra sp. Cyclotella sp. --

Continue...


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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



Sr. NO.	TEST PARAMETERS	UNIT	RESULTS OF SEA WATER QUALITY ANALYSIS NORTH SIDE					
			OCT-19	NOV-19	DEC-19	JAN-20	FEB-20	MARCH-20
			18-10-2019	25-11-2019	26-12-2019	28-01-2020	11-02-2020	17-03-2020
			North Side	North Side	North Side	North Side	North Side	North Side
C	Zooplanktons							
18.1	Abundance (Population)	noX10 ³ /100m ³	50	47	49	43	41	35
18.2	Name of Group Number and name of group species of each group	--	Chaetognathes Polychaetes Decapods	Copepods Gastropods --	Nauplius larvae Copepods Gastropods	Polychaetes Gastropods --	Decapods Copepods Polychaetes	Polychaetes Decapods Nauplius larvae
18.3	Total Biomass	ml/100 m ³	4.45	3.8	3.95	1.75	1.85	2.9
D	Microbiological Parameters							
19.1	Total Bacterial Count	CFU/ml	1100	950	1180	2210	2160	1720
19.2	Total Coliform	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.3	E.coli	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.4	Enterococcus species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent
19.7	Vibrio species	/ml	Absent	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.



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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis (South Side) Results for the period: October 2019 to March 2020

Sr. No	PARAMETERS	UNIT	OCT-19	NOV-19	DEC-19	JAN-20	FEB-20	MARCH-20
			18-10-2019	25-11-2019	26-12-2019	28-01-2020	11-02-2020	17-03-2020
1	Organic Matter	%	0.84	0.69	0.82	0.69	0.67	0.52
2	Phosphorus as P	µg/g	694	648	710	729	684	674
3	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy
4	Petroleum Hydrocarbon	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Heavy Metals							
5.1	Aluminum as Al	%	4.28	4.36	4.68	4.76	4.62	5.7
5.2	Total Chromium as Cr ⁺³	µg/g	210	270	210	181	153	164
5.3	Manganese as Mn	µg/g	1073	1128	1050	926	897	736
5.4	Iron as Fe	%	5.18	4.89	4.9	4.85	4.74	5.46
5.5	Nickel as Ni	µg/g	42	37	29	32.6	35.6	38
5.6	Copper as Cu	µg/g	38	58	46	41.2	32	50
5.7	Zinc as Zn	µg/g	174	230	201	210	156	136
5.8	Lead as Pb	µg/g	1.4	2.67	2.17	1.53	1.72	2.13
5.9	Mercury as Hg	µg/g	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms							
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	-	Polychaetes Herpacticoids --	Copepods Polychaetes	Polychaete worms Oligochaetes Mysids	Polychaete worms Gastropods --	Polychaete worms Gastropods Bivalves	Polychaetes Gastropods Bivalves
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Nematodes	Nematodes	Foraminiferans	Foraminiferans	--	--
6.3	Population	no/m ²	733	676	794	735	765	647

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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



3D. SEA SEDIMENT QUALITY ANALYSIS MONITORING: -

Table -Sea Sediment Quality Analysis Results (North Side) for the period: Oct-19 to March-2020:-

Sr. No..	PARAMETERS	UNIT	OCT-19	NOV-19	DEC-19	JAN-20	FEB-20	MARCH-20
			18-10-2019	25-11-2019	26-12-2019	28-01-2020	11-02-2020	17-03-2020
1	Organic Matter	%	0.83	0.76	0.7	0.62	0.68	0.58
2	Phosphorus as P	mg/kg	612	697	590	638	657	610
3	Texture	--	Sandy	Sandy	Sandy	Sandy	Sandy	Sandy
4	Petroleum Hydrocarbon	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Heavy Metals							
5.1	Aluminum as Al	%	4.73	4.48	4.85	4.7	4.65	5.56
5.2	Total Chromium as Cr ⁺³	mg/kg	248	190	169	185	138	153
5.3	Manganese as Mn	mg/kg	1093	958	984	920	894	794
5.4	Iron as Fe	%	4.94	4.84	5.2	4.8	4.92	5.16
5.5	Nickel as Ni	mg/kg	38	58	39	35.8	31	32
5.6	Copper as Cu	mg/kg	57	41	53	43.6	36.2	55
5.7	Zinc as Zn	mg/kg	172	198	130	170	188	164
5.8	Lead as Pb	mg/kg	2.3	1.7	1.84	1.35	1.75	2
5.9	Mercury as Hg	mg/kg	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
6	Benthic Organisms							
6.1	Macrobenthos (No and name of groups present, No and name of species of each group present)	--	Polychaetes Gastropods	Polychaetes Crustaceans --	Polychaete worms Gastropods Amphipods	Polychaete worms Crustaceans --	Polychaete worms Gastropods Bivalves	Polychaetes Crustaceans Bivalves
6.2	MeioBenthos (No and name of groups present, No and name of species of each group present)	--	Nematodes	--	Nematodes	Nematodes	Nematodes	--
6.3	Population	no/m ²	704	647	765	588	735	618

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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

3E. DUMP POND WATER QUALITY ANALYSIS MONITORING: -

Table - Dump Pond Water Quality Analysis Results for the period: October-19 to March-20

Date			Nov-19	Feb-20	Feb-20
			29-11-2019	11-02-2020	11-02-2020
Sr. No.	Test Parameters	Unit	Dump Pond Discharge -J3	Dump Pond Discharge -J3	Dump Pond Discharge -SS7A
1.	pH	--	7.92	7.9	8.16
2.	Total Dissolved Solids	mg/L	1480	1584	1426
3.	Total Suspended Solids	mg/L	31	26	31
4.	Turbidity	NTU	2.69	3.8	2.7
5.	BOD (3 Days @ 27 °C)	mg/L	14	16	13.2
6.	Dissolved Oxygen	mg/L	5.9	5.8	5.9
7.	COD	mg/L	63	67	58
8.	Salinity	ppt	0.24	0.25	0.24
9.	Oil & Grease	mg/L	Not Detected	Not Detected	Not Detected
10.	Total Hardness as CaCO ₃	mg/L	586	560	608
11.	Fluoride as F	mg/L	0.26	0.38	0.31
12.	Chloride as Cl	mg/L	138	142	138
13.	Zinc as Zn	mg/L	0.2	0.34	0.26
14.	Cadmium as Cd	mg/L	Not Detected	Not Detected	Not Detected
15.	Lead as Pb	mg/L	Not Detected	Not Detected	Not Detected
16.	Mercury as Hg	mg/L	Not Detected	Not Detected	Not Detected

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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

**3F. STP TREATED WATER QUALITY ANALYSIS MONITORING: -****TABLE - STP TREATED WATER QUALITY ANALYSIS RESULTS FOR THE PERIOD: OCTOBER-19 TO MARCH-20**

SR. NO.	TEST PARAMETERS	UNIT	STP Treated Water Quality Analysis Results					
			Oct-19	Nov-19	Dec-19	Jan-20	Feb-20	March-20
			18-10-2019	25-11-2019	27-12-2019	28-01-2020	11-02-2020	19-03-2020
1.	pH	--	7.48	7.68	7.42	7.5	7.1	7.2
2.	Total Suspended Solids	mg/L	14	18	12	22	25	21
3.	BOD (3 Days @ 27 °C)	mg/L	10	12	8	10	14	15
4.	Residual Free Chlorine	mg/L	0.6	0.6	0.6	0.4	0.6	0.8
5.	Oil & Grease	mg/L	1.8	2.2	1.8	3.4	2.4	2.2

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

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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



3G. AMBIENT NOISE LEVEL MONITORING: -

Tables - 1 - Behind QHSE Office Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	1 - Behind QHSE Office					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	01-10-2019	01-11-2019	02-12-2019	01-01-2020	03-02-2020	02-03-2020
6:00-7:00	52.1	56.3	41.6	51.9	51.4	49.3
7:00-8:00	62.1	48.3	55.6	55.5	55.6	54.4
8:00-9:00	47.1	50.1	56.2	47.7	60.8	57.4
9:00-10:00	50.2	55.4	55.4	51.4	48.2	56.7
10:00-11:00	44.6	47.1	51.2	48.1	43.8	48.5
11:00-12:00	48.2	61.3	60.7	61.2	44.2	58.5
12:00-13:00	54.6	58.6	57.1	44.3	58.5	45.7
13:00-14:00	47.5	60.2	51.3	52.6	44.5	52.2
14:00-15:00	67.1	44.3	60.5	58.1	61.3	60.3
15:00-16:00	42.8	51.2	63.8	60.2	45.9	51.3
16:00-17:00	61.1	53.4	65.3	54.1	50.4	53.5
17:00-18:00	53.2	49.3	55.2	40.5	56.2	47.5
18:00-19:00	65.2	54.6	58.9	49.3	46.8	61.3
19:00-20:00	58.1	67.8	51.8	43.5	52.4	55.4
20:00-21:00	44.4	43.8	48.3	46.5	62.3	44.3
21:00-22:00	52.1	46.6	45.9	56.4	50.8	47.6

Sampling Location	1 - Behind QHSE Office					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	01-10-2019 & 02-10-2019	01-11-2019 & 02-11-2019	02-12-2019 & 03-12-2019	01-01-2020 & 02-01-2020	03-02-2020 & 04-02-2020	02-03-2020 & 03-03-2020
22:00-23:00	60.5	65.8	51.4	47.5	48.5	64.2
23:00-00:00	41.9	42.7	40.6	50.6	60.5	49.4
00:00-01:00	65.7	64.8	48.2	61.9	52.9	50.2
01:00-02:00	65.3	56.7	46.6	44.7	40.8	66.1
02:00-03:00	54.7	54.8	58.2	51.2	49.7	46.9
03:00-04:00	60.3	56.9	61.1	46.3	59.4	61.0
04:00-05:00	59.5	60.2	50.6	53.6	53.9	58.4
05:00-06:00	53.1	53.7	47.2	42.3	50.2	51.6

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

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



Tables -2 - PMC Office Back Side Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	2 - PMC Office Back Side					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	02-10-2019	02-11-2019	03-12-2019	02-01-2020	04-02-2020	03-03-2020
6:00-7:00	61.2	61.8	55.7	65.7	61.5	55.5
7:00-8:00	55.1	55.1	51.3	51.8	58.4	67.1
8:00-9:00	68.2	44.7	50.8	48.3	50.8	60.4
9:00-10:00	48.1	52.8	57.2	50.7	48.5	58.3
10:00-11:00	54.4	51.5	50.3	55.8	60.2	45.1
11:00-12:00	47.1	65.7	53.4	45.6	43.9	44.7
12:00-13:00	52.2	45.6	50.6	44.2	51.6	53.1
13:00-14:00	51.6	50.2	49.7	52.3	47.4	47.9
14:00-15:00	44.8	56.2	53.1	61.1	55.8	50.6
15:00-16:00	50.2	48.8	58.2	57.4	58.7	46.8
16:00-17:00	47.1	67.9	60.3	42.8	44.6	59.3
17:00-18:00	60.3	42.1	51.9	47.5	50.3	62.3
18:00-19:00	54.2	49.9	54.3	50.4	49.5	48.7
19:00-20:00	43.8	62.3	47.5	53.2	53.7	54.5
20:00-21:00	50.2	52.1	55.8	52.8	46.5	42.7
21:00-22:00	64.2	64.3	51.4	56.8	56.3	56.5

Sampling Location	2 - PMC Office Back Side					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	02-10-2019 & 03-10-2019	02-11-2019 & 03-11-2019	03-12-2019 & 04-12-2019	02-01-2020 & 03-01-2020	04-02-2020 & 05-02-2020	03-03-2020 & 04-03-2020
22:00-23:00	54.5	55.1	60.4	51.7	51.4	60.3
23:00-00:00	41.0	42.0	48.4	49.6	47.6	49.2
00:00-01:00	61.8	62.5	46.6	47.1	48.6	58.5
01:00-02:00	51.8	52.5	60.1	51.0	52.3	47.5
02:00-03:00	66.1	66.5	47.2	46.4	59.8	53.2
03:00-04:00	68.1	65.5	55.3	62.2	44.4	59.0
04:00-05:00	55.9	56.4	54.2	43.8	53.8	47.6
05:00-06:00	58.4	58.9	51.8	53.9	47.5	65.3

[#]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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



Tables - 3 - Sub Station - 6 Back Side Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	3 - Sub Station - 6 Back Side					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	03-10-2019	04-11-2019	04-12-2019	03-01-2020	05-02-2020	04-03-2020
6:00-7:00	50.0	46.2	47.5	46.2	55.1	50.2
7:00-8:00	55.1	47.2	61.3	50.3	51.8	55.7
8:00-9:00	61.2	55.2	60.6	51.7	45.3	61.5
9:00-10:00	58.1	67.6	55.7	53.1	49.3	47.1
10:00-11:00	44.4	42.8	62.1	58.2	60.3	45.8
11:00-12:00	67.2	53.1	58.3	60.8	44.7	51.1
12:00-13:00	55.2	51.6	60.8	48.7	61.5	68.3
13:00-14:00	60.1	49.2	54.1	51.1	53.2	44.2
14:00-15:00	49.2	60.4	59.3	47.6	58.3	53.6
15:00-16:00	51.6	55.3	61.7	43.6	48.6	42.2
16:00-17:00	53.1	67.4	58.6	64.1	54.4	61.5
17:00-18:00	67.6	44.2	69.5	55.2	51.4	50.5
18:00-19:00	42.8	58.7	68.1	44.5	61.1	56.7
19:00-20:00	55.2	60.3	54.3	57.1	57.5	70.1
20:00-21:00	47.2	55.9	59.2	50.8	42.6	45.9
21:00-22:00	46.2	50.0	55.1	48.6	49.4	60.0

Sampling Location	3 - Sub Station - 6 Back Side					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	03-10-2019 & 04-10-2019	04-11-2019 & 05-11-2019	04-12-2019 & 05-12-2019	03-01-2020 & 04-01-2020	05-02-2020 & 06-02-2020	04-03-2020 & 05-03-2020
22:00-23:00	66.5	66.4	44.6	55.3	58.6	49.9
23:00-00:00	56.7	55.9	47.2	48.3	60.4	50.7
00:00-01:00	60.2	66.8	60.7	60.6	59.0	58.6
01:00-02:00	52.0	57.3	48.6	61.4	47.7	42.5
02:00-03:00	62.7	62.9	55.4	51.6	68.1	48.6
03:00-04:00	67.4	50.2	46.1	50.9	54.5	54.0
04:00-05:00	40.5	42.3	58.2	68.2	42.8	47.3
05:00-06:00	50.8	50.4	59.1	56.3	61.8	55.2

[#]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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables - 4 -Sub Station - 8 (Marine Building) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	4 -Sub Station - 8 (Marine Building)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	04-10-2019	05-11-2019	05-12-2019	04-01-2020	06-02-2020	05-03-2020
6:00-7:00	67.1	50.3	48.1	58.4	50.1	49.2
7:00-8:00	44.2	49.6	50.8	43.8	48.5	50.1
8:00-9:00	50.3	60.1	48.6	51.6	60.2	53.7
9:00-10:00	58.2	47.7	45.1	46.7	70.1	45.5
10:00-11:00	68.1	51.4	46.6	60.1	44.6	58.0
11:00-12:00	48.6	45.5	55.8	48.5	51.4	47.7
12:00-13:00	44.8	42.4	50.1	51.2	58.6	43.0
13:00-14:00	69.1	64.8	58.1	50.3	61.3	53.5
14:00-15:00	64.3	69.1	60.8	41.7	49.9	58.1
15:00-16:00	42.4	44.8	55.1	47.8	62.1	45.9
16:00-17:00	45.3	48.2	61.3	57.2	45.8	42.1
17:00-18:00	51.6	68.2	68.1	65.7	64.1	56.8
18:00-19:00	47.8	58.1	58.4	56.2	53.4	43.9
19:00-20:00	60.2	50.8	56.7	49.3	47.6	59.1
20:00-21:00	49.6	44.4	52.1	52.1	56.1	64.2
21:00-22:00	50.3	67.1	50.9	50.0	58.1	60.1

Sampling Location	4 -Sub Station - 8 (Marine Building)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	04-10-2019 & 05-10-2019	05-11-2019 & 06-11-2019	05-12-2019 & 06-12-2019	04-01-2020 & 05-01-2020	06-02-2020 & 07-02-2020	05-03-2020 & 06-03-2020
22:00-23:00	66.4	66.1	47.6	60.3	51.5	49.3
23:00-00:00	56.4	56.5	46.7	53.3	59.7	45.7
00:00-01:00	41.5	41.8	41.2	55.7	49.4	51.3
01:00-02:00	60.7	57.4	58.2	50.7	45.4	56.2
02:00-03:00	50.9	50.1	60.3	44.9	52.7	45.1
03:00-04:00	49.8	49.2	47.2	47.3	49.5	42.3
04:00-05:00	64.7	65.9	46.8	49.5	60.3	58.0
05:00-06:00	66.8	67.2	52.1	52.4	53.2	60.4

[#]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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables - 5 - Near Sub Station-7B Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	5 - Near Sub Station-7B					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	05-10-2019	06-11-2019	06-12-2019	06-01-2020	07-02-2020	06-03-2020
6:00-7:00	49.2	51.3	50.9	51.4	49.9	55.1
7:00-8:00	61.5	50.4	70.2	48.8	50.0	43.8
8:00-9:00	67.2	51.8	65.4	49.7	51.4	45.4
9:00-10:00	64.3	47.4	68.2	55.9	48.8	58.4
10:00-11:00	45.4	61.2	58.8	47.2	45.7	60.5
11:00-12:00	55.6	53.8	60.3	52.4	55.3	65.2
12:00-13:00	48.2	61.1	63.7	65.8	60.5	42.5
13:00-14:00	45.6	44.6	59.7	50.1	67.2	49.0
14:00-15:00	44.4	45.8	60.2	46.7	45.4	50.4
15:00-16:00	61.2	48.1	58.1	44.7	56.5	62.1
16:00-17:00	53.4	55.6	60.4	53.4	61.0	60.2
17:00-18:00	61.2	45.3	58.3	60.0	46.6	54.8
18:00-19:00	47.6	64.1	55.1	40.3	52.7	45.7
19:00-20:00	51.8	67.2	52.6	51.3	57.4	40.9
20:00-21:00	50.1	61.4	51.2	49.6	62.0	53.2
21:00-22:00	51.2	49.8	53.8	54.8	49.8	57.2

Sampling Location	5 - Near Sub Station-7B					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	05-10-2019 & 06-10-2019	06-11-2019 & 07-11-2019	06-12-2019 & 07-12-2019	06-01-2020 & 07-01-2020	07-02-2020 & 08-02-2020	06-03-2020 & 07-03-2020
22:00-23:00	52.9	56.3	65.5	54.3	56.4	58.8
23:00-00:00	65.4	66.3	60.8	47.9	48.7	45.3
00:00-01:00	63.3	62.8	68.1	42.5	68.3	55.8
01:00-02:00	64.4	64.4	50.2	52.9	42.4	50.4
02:00-03:00	63.7	64.1	51.8	60.4	54.4	42.7
03:00-04:00	65.1	64.3	45.3	48.1	58.5	48.7
04:00-05:00	57.1	58.4	55.2	50.0	51.8	62.1
05:00-06:00	43.4	43.9	52.3	58.3	45.3	65.2

[#]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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



Tables -6 - JS - 1 (Nr. Lakhigam) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	6 - JS - 1 (Nr. Lakhigam)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	07-10-2019	07-11-2019	07-12-2019	07-01-2020	08-02-2020	07-03-2020
6:00-7:00	48.4	59.2	60.4	50.2	61.1	68.0
7:00-8:00	54.2	46.4	63.1	61.8	41.8	48.6
8:00-9:00	50.1	50.8	52.7	58.4	44.5	50.1
9:00-10:00	58.2	49.4	59.3	56.9	50.9	57.7
10:00-11:00	45.7	54.8	60.8	48.7	58.6	45.2
11:00-12:00	55.1	42.1	50.8	51.3	60.0	55.9
12:00-13:00	48.8	44.6	51.8	60.2	45.4	54.3
13:00-14:00	65.2	60.3	53.9	44.1	49.8	42.8
14:00-15:00	60.3	64.8	52.3	53.8	57.1	48.6
15:00-16:00	44.6	48.8	55.2	47.3	53.2	51.2
16:00-17:00	42.8	55.2	59.7	46.2	46.7	50.4
17:00-18:00	54.4	45.7	55.9	56.8	59.8	61.1
18:00-19:00	49.7	58.2	50.1	42.8	54.4	43.9
19:00-20:00	50.2	50.3	51.7	51.9	46.5	47.2
20:00-21:00	46.6	54.1	50.4	45.7	52.8	54.8
21:00-22:00	59.2	48.7	48.7	49.3	51.4	56.1

Sampling Location	6 - JS - 1 (Nr. Lakhigam)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	07-10-2019 & 08-10-2019	07-11-2019 & 08-11-2019	07-12-2019 & 08-12-2019	07-01-2020 & 08-01-2020	08-02-2020 & 09-02-2020	07-03-2020 & 08-03-2020
22:00-23:00	56.6	55.2	44.3	45.2	55.5	56.3
23:00-00:00	52.3	53.4	62.1	50.5	56.8	49.7
00:00-01:00	54.1	54.1	51.9	52.7	43.9	45.4
01:00-02:00	64.0	61.8	40.7	44.4	52.6	42.2
02:00-03:00	62.6	63.1	48.2	46.9	59.4	58.9
03:00-04:00	40.8	40.3	51.6	56.4	46.9	60.2
04:00-05:00	62.1	62.4	56.8	42.1	53.5	53.3
05:00-06:00	51.0	51.8	51.2	59.3	50.8	59.4

[#]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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables -7 - Behind S.S. - 11 (Silo) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	7 - Behind S.S. - 11 (Silo)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	08-10-2019	08-11-2019	09-12-2019	08-01-2020	10-02-2020	09-03-2020
6:00-7:00	54.4	49.1	62.3	48.4	55.4	56.1
7:00-8:00	44.4	50.1	60.5	51.1	68.1	48.2
8:00-9:00	60.2	42.6	63.1	55.4	48.1	45.8
9:00-10:00	65.1	50.5	65.8	60.1	51.9	55.6
10:00-11:00	49.8	46.8	67.1	49.5	56.4	59.1
11:00-12:00	52.8	47.2	65.5	50.7	58.7	44.9
12:00-13:00	62.3	68.1	68.2	52.3	47.6	45.6
13:00-14:00	52.1	58.3	64.8	44.4	45.6	50.1
14:00-15:00	58.2	52.1	60.6	48.2	51.3	64.1
15:00-16:00	68.1	62.1	58.3	56.1	49.6	42.8
16:00-17:00	47.2	52.8	55.1	58.1	54.9	55.2
17:00-18:00	46.8	49.8	60.9	42.6	52.6	44.8
18:00-19:00	50.2	65.1	55.6	46.3	58.1	46.9
19:00-20:00	42.6	60.2	51.3	57.2	44.9	59.1
20:00-21:00	60.2	44.4	47.5	61.8	56.3	60.0
21:00-22:00	49.2	54.3	49.5	46.1	60.5	61.1

Sampling Location	7 - Behind S.S. - 11 (Silo)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	08-10-2019 & 09-10-2019	08-11-2019 & 09-11-2019	09-12-2019 & 10-12-2019	08-01-2020 & 09-01-2020	10-02-2020 & 11-02-2020	09-03-2020 & 10-03-2020
22:00-23:00	47.0	47.1	52.4	61.3	50.6	51.5
23:00-00:00	54.2	54.5	50.0	51.5	59.6	53.4
00:00-01:00	41.1	41.6	47.6	58.4	47.1	45.9
01:00-02:00	58.2	58.3	44.8	46.7	54.8	68.5
02:00-03:00	62.9	63.4	65.3	54.9	60.8	43.9
03:00-04:00	59.1	59.2	60.1	48.5	42.6	56.4
04:00-05:00	65.5	66.0	59.2	45.3	46.5	40.7
05:00-06:00	52.8	52.6	44.6	50.4	55.0	53.1

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables - 8 –Nr. S&S Entry Gate (Dahej Road) & Silo Loading Point Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	8 - Silo Loading Point					
	During Day Time - dB(A) Leq [#]					
Date of Monitoring	09-10-2019	09-11-2019	10-12-2019	09-01-2020	11-02-2020	10-03-2020
6:00-7:00	47.5	44.1	58.3	65.1	48.4	60.1
7:00-8:00	44.4	56.1	57.1	44.3	50.2	57.2
8:00-9:00	51.2	61.8	60.2	48.2	51.2	48.2
9:00-10:00	60.2	48.5	64.3	55.4	47.4	45.8
10:00-11:00	48.2	45.8	66.1	57.8	55.7	59.1
11:00-12:00	56.4	54.7	60.1	50.0	61.5	70.1
12:00-13:00	61.2	64.1	58.4	47.5	47.3	42.9
13:00-14:00	50.3	65.8	55.3	53.1	44.3	50.1
14:00-15:00	42.8	50.0	52.1	46.2	55.6	44.6
15:00-16:00	64.3	68.2	57.9	56.2	52.3	55.8
16:00-17:00	54.2	56.4	54.2	44.8	42.6	47.6
17:00-18:00	45.8	48.2	51.3	51.6	59.7	68.1
18:00-19:00	48.3	60.8	61.2	53.2	62.1	45.9
19:00-20:00	61.2	51.1	55.1	47.6	47.8	66.1
20:00-21:00	56.3	44.3	52.3	49.7	49.7	52.8
21:00-22:00	44.2	47.3	50.5	45.8	46.5	47.8

Sampling Location	8 - Silo Loading Point					
	During Night Time - dB(A) Leq [#]					
Date of Monitoring	09-10-2019 & 10-10-2019	09-11-2019 & 10-11-2019	10-12-2019 & 11-12-2019	09-01-2020 & 10-01-2020	11-02-2020 & 12-02-2020	10-03-2020 & 11-03-2020
22:00-23:00	49.6	67.1	51.6	54.1	56.5	58.7
23:00-00:00	51.5	51.4	60.4	61.7	44.2	48.8
00:00-01:00	40.2	43.7	48.3	42.7	46.4	57.0
01:00-02:00	54.0	54.4	44.6	45.7	50.5	41.8
02:00-03:00	61.2	61.7	41.6	51.9	53.7	60.0
03:00-04:00	63.9	64.9	58.2	56.9	42.7	43.7
04:00-05:00	56.5	55.3	51.1	44.2	51.0	56.5
05:00-06:00	48.9	49.7	55.2	40.3	57.5	48.4

[#]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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



Tables -9 - GCPTL Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	9 - GCPTL Gate					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	10-10-2019	11-11-2019	11-12-2019	10-01-2020	12-02-2020	11-03-2020
6:00-7:00	61.2	61.2	57.2	48.8	51.0	52.1
7:00-8:00	58.4	44.8	55.3	55.3	55.1	56.2
8:00-9:00	51.2	55.8	60.1	49.1	61.2	48.8
9:00-10:00	67.3	61.1	58.4	50.1	44.6	50.1
10:00-11:00	45.4	65.2	59.2	61.2	45.8	61.2
11:00-12:00	50.2	51.0	62.3	44.5	46.9	44.9
12:00-13:00	48.6	45.9	65.2	51.3	50.1	51.2
13:00-14:00	49.3	58.5	60.7	53.6	58.2	47.9
14:00-15:00	58.4	49.6	63.1	44.9	60.8	44.6
15:00-16:00	45.5	48.4	66.8	45.6	42.9	56.2
16:00-17:00	51.6	50.8	65.4	52.6	48.2	59.1
17:00-18:00	65.4	45.4	52.8	47.3	54.1	47.9
18:00-19:00	61.1	67.1	51.3	58.2	56.0	45.8
19:00-20:00	54.2	51.2	50.3	60.0	45.3	58.2
20:00-21:00	44.8	58.1	48.7	61.5	59.1	60.0
21:00-22:00	61.3	61.7	49.3	46.8	52.6	53.1

Sampling Location	9 - GCPTL Gate					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	10-10-2019 & 11-10-2019	11-11-2019 & 12-11-2019	11-12-2019 & 12-12-2019	10-01-2020 & 11-01-2020	12-02-2020 & 13-02-2020	11-03-2020 & 12-03-2020
22:00-23:00	66.6	66.9	57.8	45.1	54.7	49.8
23:00-00:00	58.6	57.1	47.6	52.5	49.9	68.3
00:00-01:00	60.1	60.4	56.1	61.8	51.2	51.1
01:00-02:00	42.5	42.2	51.6	47.2	57.3	57.4
02:00-03:00	65.9	66.6	40.8	44.3	55.3	48.5
03:00-04:00	60.6	61.1	47.4	56.8	44.5	42.6
04:00-05:00	57.7	58.1	58.1	51.8	49.3	57.9
05:00-06:00	58.3	58.5	56.4	57.4	54.6	59.1

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

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



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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables - 10 - Lakhi Village (Primary School) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	10 - Lakhi Village (Primary School)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	11-10-2019	12-11-2019	12-12-2019	11-01-2020	13-02-2020	12-03-2020
6:00-7:00	55.2	47.1	63.8	51.2	44.8	45.9
7:00-8:00	67.2	52.2	51.1	48.1	55.5	50.1
8:00-9:00	55.3	60.4	50.4	45.7	55.3	48.2
9:00-10:00	60.1	53.4	55.3	49.6	48.6	56.2
10:00-11:00	47.6	41.3	58.4	50.3	49.4	58.1
11:00-12:00	44.8	44.2	54.2	55.1	53.2	50.3
12:00-13:00	50.2	54.2	68.3	49.2	55.2	42.9
13:00-14:00	48.6	57.1	61.6	51.8	57.6	61.2
14:00-15:00	57.4	48.6	50.8	52.4	45.8	59.2
15:00-16:00	54.2	50.2	51.3	44.6	60.1	43.9
16:00-17:00	44.6	44.9	56.8	47.8	56.1	60.1
17:00-18:00	41.3	47.6	49.2	53.4	42.8	61.2
18:00-19:00	53.4	60.1	56.1	54.0	43.9	40.9
19:00-20:00	60.1	55.3	58.1	46.5	49.8	45.6
20:00-21:00	52.3	67.2	49.7	48.6	50.0	54.2
21:00-22:00	47.4	55.1	47.2	54.9	54.4	68.1

Sampling Location	10 - Lakhi Village (Primary School)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	11-10-2019 & 12-10-2019	12-11-2019 & 13-11-2019	12-12-2019 & 13-12-2019	11-01-2020 & 12-01-2020	13-02-2020 & 14-02-2020	12-03-2020 & 13-03-2020
22:00-23:00	66.7	64.5	60.5	49.3	42.5	56.8
23:00-00:00	57.4	59.9	44.2	50.8	50.7	42.1
00:00-01:00	52.5	53.1	65.1	56.6	61.1	45.2
01:00-02:00	39.5	40.5	50.8	60.8	45.2	40.8
02:00-03:00	52.2	53.0	44.6	54.2	49.2	51.4
03:00-04:00	63.1	63.7	52.3	48.7	58.2	58.3
04:00-05:00	55.7	60.8	47.8	42.6	56.9	46.1
05:00-06:00	61.1	62.1	43.2	57.1	53.1	54.6

[#]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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



Tables -11 - ERMS Workshop Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	11 - ERMS Workshop					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	12-10-2019	13-11-2019	13-12-2019	13-01-2020	14-02-2020	13-03-2020
6:00-7:00	56.2	47.9	60.2	58.6	56.7	57.1
7:00-8:00	47.2	45.2	68.2	50.4	50.8	60.1
8:00-9:00	58.6	44.3	64.5	48.7	47.5	47.9
9:00-10:00	47.5	65.8	61.8	60.2	44.3	45.8
10:00-11:00	65.1	53.2	65.2	68.1	60.5	51.0
11:00-12:00	44.2	50.6	60.4	45.2	68.4	44.9
12:00-13:00	60.1	48.8	58.2	56.8	48.2	48.5
13:00-14:00	55.6	60.8	55.4	40.2	55.5	56.3
14:00-15:00	60.1	55.6	52.4	55.4	58.4	65.4
15:00-16:00	48.8	60.1	50.3	46.8	46.8	42.8
16:00-17:00	50.0	44.2	56.7	50.9	50.7	53.4
17:00-18:00	53.1	65.1	58.6	54.6	57.4	57.2
18:00-19:00	65.2	47.1	52.1	58.4	54.6	45.8
19:00-20:00	44.2	58.7	56.1	47.8	48.7	52.6
20:00-21:00	45.2	47.2	54.6	52.6	51.8	50.0
21:00-22:00	47.8	56.1	53.1	44.4	42.4	46.9

Sampling Location	11 - ERMS Workshop					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	12-10-2019 & 13-10-2019	13-11-2019 & 14-11-2019	13-12-2019 & 14-12-2019	13-01-2020 & 14-01-2020	14-02-2020 & 15-02-2020	13-03-2020 & 14-03-2020
22:00-23:00	58.0	58.2	44.2	49.7	61.5	65.4
23:00-00:00	60.4	60.7	48.3	52.8	46.3	43.8
00:00-01:00	55.6	64.2	40.3	53.4	53.4	54.2
01:00-02:00	53.8	54.2	58.1	46.1	59.5	59.2
02:00-03:00	42.7	40.6	50.0	59.4	42.3	49.5
03:00-04:00	62.8	64.7	55.8	58.7	47.3	55.4
04:00-05:00	51.4	51.7	51.2	42.9	51.3	58.1
05:00-06:00	58.8	59.4	56.2	45.4	49.6	41.9

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

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables - 12 - Behind Pump House Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	12 - Behind Pump House					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	14-10-2019	14-11-2019	14-12-2019	14-01-2020	15-02-2020	14-03-2020
6:00-7:00	65.1	51.8	64.8	61.2	44.7	51.5
7:00-8:00	51.2	54.2	60.3	57.3	50.1	58.6
8:00-9:00	40.8	53.9	58.3	50.0	47.6	45.8
9:00-10:00	53.5	49.1	51.4	48.3	51.2	48.5
10:00-11:00	69.1	57.1	56.6	60.3	58.8	60.1
11:00-12:00	62.2	61.8	59.7	56.4	56.3	50.1
12:00-13:00	55.3	42.3	61.1	45.6	44.5	44.9
13:00-14:00	50.6	46.8	51.7	58.3	56.0	54.2
14:00-15:00	46.2	50.9	55.3	46.4	44.9	47.8
15:00-16:00	42.8	53.3	57.4	48.6	40.8	58.1
16:00-17:00	61.1	62.5	65.8	54.3	55.1	53.2
17:00-18:00	57.2	69.1	60.1	47.9	53.8	65.0
18:00-19:00	49.1	53.1	58.2	52.4	47.3	61.0
19:00-20:00	53.9	41.3	51.9	65.3	52.2	42.9
20:00-21:00	54.2	51.2	52.6	53.1	60.8	52.5
21:00-22:00	51.6	65.0	50.2	51.3	49.2	57.1

Sampling Location	12 - Behind Pump House					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	14-10-2019 & 15-10-2019	14-11-2019 & 15-11-2019	14-12-2019 & 15-12-2019	14-01-2020 & 15-01-2020	15-02-2020 & 16-02-2020	14-03-2020 & 15-03-2020
22:00-23:00	46.0	46.3	61.3	41.8	47.9	46.8
23:00-00:00	59.3	59.6	44.8	55.6	55.4	55.5
00:00-01:00	50.1	50.5	58.1	44.1	60.6	68.2
01:00-02:00	57.3	57.8	51.3	52.6	45.7	65.1
02:00-03:00	58.1	58.8	47.6	49.1	44.3	48.9
03:00-04:00	40.6	41.2	63.1	54.4	51.9	51.7
04:00-05:00	54.6	54.9	60.6	46.2	54.3	57.3
05:00-06:00	51.3	51.9	58.2	48.8	43.6	59.5

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



Tables - 13 - Rock Bond Approach (Jetty) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	13 - Rock Bond Approach (Jetty)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	15-10-2019	15-11-2019	16-12-2019	15-01-2020	17-02-2020	16-03-2020
6:00-7:00	50.6	48.2	50.3	51.8	56.5	56.1
7:00-8:00	42.8	62.3	54.8	45.3	58.7	58.1
8:00-9:00	58.6	64.4	60.4	58.7	40.9	55.0
9:00-10:00	47.4	50.8	68.3	47.3	54.4	60.1
10:00-11:00	48.5	52.2	64.6	60.5	45.4	57.5
11:00-12:00	43.4	67.2	56.3	55.3	49.8	54.2
12:00-13:00	67.1	46.6	59.5	45.1	61.2	47.9
13:00-14:00	53.8	66.1	64.9	47.5	48.9	44.4
14:00-15:00	66.1	53.8	61.2	66.3	50.0	51.2
15:00-16:00	42.3	67.6	60.7	65.7	56.1	45.8
16:00-17:00	67.1	45.8	59.3	40.3	58.2	61.2
17:00-18:00	46.6	48.6	55.1	56.2	59.1	68.1
18:00-19:00	50.1	47.4	52.3	44.8	42.7	44.9
19:00-20:00	56.4	58.1	54.7	58.9	44.6	48.3
20:00-21:00	62.3	45.3	52.7	50.3	45.8	50.1
21:00-22:00	47.8	50.5	50.7	41.8	54.2	58.2

Sampling Location	13 - Rock Bond Approach (Jetty)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	15-10-2019 & 16-10-2019	15-11-2019 & 16-11-2019	16-12-2019 & 17-12-2019	15-01-2020 & 16-01-2020	17-02-2020 & 18-02-2020	16-03-2020 & 17-03-2020
22:00-23:00	50.4	50.8	52.3	48.4	54.9	60.5
23:00-00:00	53.3	53.8	50.1	48.0	51.7	59.3
00:00-01:00	52.7	57.2	48.6	47.7	46.2	47.9
01:00-02:00	59.9	60.9	44.8	54.6	48.3	45.6
02:00-03:00	63.6	63.5	43.3	44.5	50.1	50.8
03:00-04:00	48.8	49.3	61.2	64.3	60.2	52.3
04:00-05:00	53.4	54.3	60.5	48.2	45.9	60.6
05:00-06:00	38.9	44.3	56.1	43.5	53.0	44.9

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



Tables -14 - New Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	14 - New Gate					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	16-10-2019	16-11-2019	17-12-2019	16-01-2020	18-02-2020	17-03-2020
6:00-7:00	52.4	52.7	52.2	46.9	61.4	48.9
7:00-8:00	50.8	50.7	50.6	60.8	50.3	45.6
8:00-9:00	47.2	49.8	65.7	48.5	48.6	58.1
9:00-10:00	62.6	46.3	69.7	64.1	45.8	56.2
10:00-11:00	47.8	42.8	65.1	44.2	55.4	68.1
11:00-12:00	59.2	61.1	55.2	54.8	57.5	50.0
12:00-13:00	55.4	44.6	58.7	47.4	60.1	58.1
13:00-14:00	68.6	46.4	52.1	48.8	44.9	44.5
14:00-15:00	46.6	68.1	62.4	52.8	47.9	47.9
15:00-16:00	44.8	55.0	64.7	50.8	57.9	51.2
16:00-17:00	61.1	59.8	61.8	55.1	59.2	55.3
17:00-18:00	42.6	47.3	54.3	65.4	54.3	58.4
18:00-19:00	46.4	62.1	52.6	70.1	55.0	42.8
19:00-20:00	49.2	47.8	50.4	48.4	49.9	49.8
20:00-21:00	50.0	50.2	49.3	50.1	52.0	52.8
21:00-22:00	52.6	52.6	51.3	52.3	54.8	54.1

Sampling Location	14 - New Gate					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	16-10-2019 & 17-10-2019	16-11-2019 & 17-11-2019	17-12-2019 & 18-12-2019	16-01-2020 & 17-01-2020	18-02-2020 & 19-02-2020	17-03-2020 & 18-03-2020
22:00-23:00	47.3	47.9	60.1	51.4	40.8	47.7
23:00-00:00	58.9	59.1	58.1	45.8	48.9	51.0
00:00-01:00	61.9	62.3	46.2	69.1	50.9	48.2
01:00-02:00	42.1	42.6	44.2	45.5	56.3	50.9
02:00-03:00	64.9	65.4	51.3	55.9	60.9	55.9
03:00-04:00	68.3	67.9	61.3	44.8	55.9	56.9
04:00-05:00	64.6	65.6	48.2	65.8	47.4	57.6
05:00-06:00	60.0	60.0	50.1	55.8	44.8	60.7

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables - 15 - Security Barrier Gate Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	15 - Security Barrier Gate					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	17-10-2019	18-11-2019	18-12-2019	17-01-2020	19-02-2020	18-03-2020
6:00-7:00	47.5	50.1	67.5	45.5	48.8	60.1
7:00-8:00	58.2	57.2	66.1	48.2	51.2	61.2
8:00-9:00	67.7	59.1	60.3	58.1	56.4	47.9
9:00-10:00	48.6	49.2	65.1	47.2	53.1	58.1
10:00-11:00	50.1	51.6	59.7	65.1	43.2	60.1
11:00-12:00	52.4	48.7	58.8	66.1	42.9	48.2
12:00-13:00	46.8	60.0	61.8	50.2	53.6	58.1
13:00-14:00	44.2	52.8	63.4	55.2	47.8	55.3
14:00-15:00	51.6	44.8	59.4	51.4	61.0	45.9
15:00-16:00	60.3	46.2	60.4	60.1	58.1	42.9
16:00-17:00	48.8	52.3	68.1	68.2	55.6	53.3
17:00-18:00	51.6	50.3	65.7	45.8	68.1	57.1
18:00-19:00	49.2	48.4	58.7	47.1	52.3	58.1
19:00-20:00	59.9	67.1	55.2	58.2	61.1	60.1
20:00-21:00	57.2	58.2	52.4	52.7	42.8	51.2
21:00-22:00	50.1	47.6	51.2	62.2	57.1	52.3

Sampling Location	15 - Security Barrier Gate					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	17-10-2019 & 18-10-2019	18-11-2019 & 19-11-2019	18-12-2019 & 19-12-2019	17-01-2020 & 18-01-2020	19-02-2020 & 20-02-2020	18-03-2020 & 19-03-2020
22:00-23:00	56.0	56.6	50.1	47.4	55.2	45.5
23:00-00:00	59.6	60.1	61.2	53.8	51.6	61.1
00:00-01:00	64.8	65.7	60.1	65.2	45.6	50.0
01:00-02:00	55.1	56.0	48.8	52.1	56.1	53.6
02:00-03:00	60.9	61.5	40.6	51.1	46.7	42.4
03:00-04:00	51.6	51.6	58.1	56.5	50.0	49.0
04:00-05:00	49.0	49.8	47.2	41.9	52.4	61.1
05:00-06:00	42.3	44.6	48.1	49.8	49.1	57.2

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

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



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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables - 16 - JS-2 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	16 - JS-2					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	18-10-2019	19-11-2019	19-12-2019	18-01-2020	20-02-2020	19-03-2020
6:00-7:00	54.6	55.3	68.4	60.2	51.6	51.2
7:00-8:00	55.6	59.4	60.8	48.3	61.4	58.1
8:00-9:00	42.6	50.7	65.3	45.2	45.7	60.1
9:00-10:00	45.3	51.9	61.4	55.3	50.3	47.9
10:00-11:00	57.2	60.4	59.1	53.3	47.6	45.9
11:00-12:00	48.8	46.6	53.1	51.4	51.7	55.6
12:00-13:00	46.9	50.3	58.6	65.9	55.4	50.3
13:00-14:00	52.4	56.6	65.1	48.2	56.4	56.0
14:00-15:00	56.6	52.3	60.1	60.1	49.8	57.2
15:00-16:00	50.2	46.9	59.4	44.2	52.4	42.9
16:00-17:00	46.6	48.8	54.8	48.8	47.4	49.5
17:00-18:00	60.1	57.5	55.3	50.4	51.5	54.8
18:00-19:00	51.4	45.4	50.2	55.4	57.8	56.2
19:00-20:00	50.5	42.9	48.1	44.9	44.5	45.8
20:00-21:00	59.4	55.7	45.3	51.9	53.5	40.9
21:00-22:00	50.2	50.9	44.2	50.6	50.8	65.3

Sampling Location	16 - JS-2					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	18-10-2019 & 19-10-2019	19-11-2019 & 20-11-2019	19-12-2019 & 20-12-2019	18-01-2020 & 19-01-2020	20-02-2020 & 21-02-2020	19-03-2020 & 20-03-2020
22:00-23:00	54.8	55.4	48.2	65.1	61.2	54.7
23:00-00:00	53.0	53.5	40.1	59.1	52.5	37.0
00:00-01:00	50.3	60.3	61.2	58.2	58.3	61.5
01:00-02:00	39.6	40.2	60.3	50.3	56.7	47.2
02:00-03:00	58.7	59.3	44.8	61.2	45.1	56.7
03:00-04:00	55.8	57.5	51.1	48.9	48.2	43.1
04:00-05:00	51.1	57.0	46.2	50.1	51.1	45.8
05:00-06:00	53.9	53.9	50.3	53.2	59.2	50.1

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



Tables - 17 - Railway Dead End Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	17 - Railway Dead End					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	19-10-2019	20-11-2019	20-12-2019	20-01-2020	21-02-2020	20-03-2020
6:00-7:00	51.4	58.7	70.8	50.7	56.8	58.1
7:00-8:00	60.1	54.4	66.3	46.4	49.2	47.9
8:00-9:00	55.6	55.9	63.8	53.8	48.9	42.8
9:00-10:00	46.4	58.1	68.8	58.1	55.2	55.3
10:00-11:00	47.2	48.6	61.3	62.6	59.8	48.4
11:00-12:00	57.1	43.5	65.1	58.3	45.4	56.2
12:00-13:00	61.4	54.2	59.1	44.6	44.7	60.1
13:00-14:00	58.2	51.8	56.7	48.7	55.6	58.1
14:00-15:00	50.2	58.3	51.8	56.4	50.7	65.1
15:00-16:00	54.2	61.2	50.1	52.3	50.4	44.9
16:00-17:00	43.3	57.3	55.3	59.1	46.9	49.9
17:00-18:00	48.6	47.9	58.2	41.8	56.7	50.0
18:00-19:00	58.1	46.4	60.4	59.4	40.9	53.1
19:00-20:00	50.0	55.4	56.4	56.8	43.9	57.3
20:00-21:00	54.4	60.2	53.8	47.2	53.2	46.4
21:00-22:00	58.1	51.4	50.6	41.6	56.5	51.0

Sampling Location	17 - Railway Dead End					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	19-10-2019 & 20-10-2019	20-11-2019 & 21-11-2019	20-12-2019 & 21-12-2019	20-01-2020 & 21-01-2020	21-02-2020 & 22-02-2020	20-03-2020 & 21-03-2020
22:00-23:00	45.4	45.8	40.3	50.2	54.2	61.2
23:00-00:00	57.6	58.0	48.2	40.1	48.1	56.0
00:00-01:00	60.8	61.0	51.4	68.1	44.9	57.1
01:00-02:00	44.6	42.8	56.8	42.8	50.3	61.4
02:00-03:00	54.9	59.5	60.1	55.1	59.1	46.2
03:00-04:00	42.6	55.7	52.6	60.9	60.1	50.5
04:00-05:00	59.7	60.5	48.6	45.9	55.8	47.8
05:00-06:00	59.8	55.5	45.2	54.8	47.2	42.8

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables -18 - S and S Yard (South) and Open Storage Yard – 1 Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	18 – Open Storage Yard – 1					
	During Day Time - dB(A) Leq [#]					
Date of Monitoring	21-10-2019	21-11-2019	21-12-2019	21-01-2020	22-02-2020	21-03-2020
6:00-7:00	58.4	50.8	66.2	46.8	44.6	65.1
7:00-8:00	46.2	61.4	68.3	42.3	61.8	58.2
8:00-9:00	55.1	59.3	62.1	54.4	51.9	47.8
9:00-10:00	47.2	49.6	63.1	55.1	56.1	45.6
10:00-11:00	51.6	45.8	65.4	59.6	42.3	57.1
11:00-12:00	60.2	68.1	60.9	47.9	50.5	55.2
12:00-13:00	57.1	50.2	58.1	44.5	45.8	44.8
13:00-14:00	53.6	48.2	56.3	68.3	49.7	53.1
14:00-15:00	47.2	43.8	59.1	52.1	52.6	57.1
15:00-16:00	50.3	57.1	58.9	56.9	47.2	61.2
16:00-17:00	68.1	60.1	55.8	50.5	51.3	60.0
17:00-18:00	45.6	51.6	59.2	48.9	57.6	47.9
18:00-19:00	49.8	47.4	57.4	51.1	44.3	56.1
19:00-20:00	58.1	55.0	55.7	62.3	49.1	50.1
20:00-21:00	61.4	46.2	52.8	51.2	58.2	46.9
21:00-22:00	50.8	58.9	50.8	49.2	53.4	49.1

Sampling Location	18 – Open Storage Yard – 1					
	During Night Time - dB(A) Leq [#]					
Date of Monitoring	21-10-2019 & 22-10-2019	21-11-2019 & 22-11-2019	21-12-2019 & 22-12-2019	21-01-2020 & 22-01-2020	22-02-2020 & 23-02-2020	21-03-2020 & 22-03-2020
22:00-23:00	59.4	59.8	62.8	64.1	50.4	47.1
23:00-00:00	63.5	63.8	60.1	48.6	55.1	68.1
00:00-01:00	59.2	59.7	48.8	53.5	53.6	58.2
01:00-02:00	52.1	52.7	47.6	47.6	42.9	56.1
02:00-03:00	45.1	43.6	55.2	56.0	46.6	55.3
03:00-04:00	49.7	67.3	51.2	60.5	57.1	42.9
04:00-05:00	57.5	57.9	46.4	56.7	57.2	55.0
05:00-06:00	50.2	50.9	53.1	46.8	48.8	49.1

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables -19 -S & S Yard (North) Boundary Wall Loco Shed Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	19 – Loco Shed					
	During Day Time - dB(A) Leq [#]					
Date of Monitoring	22-10-2019	22-11-2019	23-12-2019	22-01-2020	24-02-2020	23-03-2020
6:00-7:00	47.4	55.1	69.1	50.1	48.2	50.1
7:00-8:00	57.1	53.8	65.1	55.9	55.3	58.2
8:00-9:00	51.1	56.1	68.1	51.5	60.1	61.0
9:00-10:00	50.6	48.9	70.3	48.4	58.7	65.1
10:00-11:00	69.1	42.6	58.2	47.8	45.6	68.2
11:00-12:00	48.6	54.6	60.8	53.9	55.1	55.3
12:00-13:00	42.6	52.4	61.2	49.4	46.9	47.4
13:00-14:00	47.6	50.4	56.1	51.0	44.2	48.5
14:00-15:00	50.1	47.6	54.3	56.3	51.8	57.1
15:00-16:00	52.4	45.5	50.2	53.4	42.8	55.3
16:00-17:00	54.6	48.7	56.3	70.1	58.0	42.9
17:00-18:00	42.4	69.1	51.6	52.8	54.8	45.8
18:00-19:00	48.8	50.5	50.8	68.1	44.9	68.1
19:00-20:00	56.6	51.2	48.2	50.9	51.0	51.0
20:00-21:00	53.2	57.2	53.1	45.2	47.8	54.1
21:00-22:00	55.1	47.2	49.2	40.8	50.1	57.2

Sampling Location	19 – Loco Shed					
	During Night Time - dB(A) Leq [#]					
Date of Monitoring	22-10-2019 & 23-10-2019	22-11-2019 & 23-11-2019	23-12-2019 & 24-12-2019	22-01-2020 & 23-01-2020	24-02-2020 & 25-02-2020	23-03-2020 & 24-03-2020
22:00-23:00	56.8	55.6	55.3	56.1	60.0	52.1
23:00-00:00	66.9	67.0	53.9	46.6	52.8	50.6
00:00-01:00	56.9	57.6	47.4	44.6	48.4	48.1
01:00-02:00	68.4	68.8	50.1	60.1	49.6	55.1
02:00-03:00	41.2	39.6	58.1	62.3	58.1	51.2
03:00-04:00	64.5	65.2	44.2	45.6	46.8	40.9
04:00-05:00	65.0	65.3	56.2	40.2	56.0	54.3
05:00-06:00	55.5	56.1	61.1	63.1	54.1	60.1

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

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



Authorized Signatory

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Tables - 20 - Lakhi Village (Below Conveyer Belt) Ambient Noise Level Monitoring Results during the Day Time and Night Time in dB(A)Leq for the period of October 2019 to March 2020

Sampling Location	20 - Lakhi Village (Below Conveyer Belt)					
	During Day Time - dB(A)Leq [#]					
Date of Monitoring	23-10-2019	23-11-2019	24-12-2019	23-01-2020	25-02-2020	24-03-2020
6:00-7:00	57.4	45.3	71.6	55.0	51.2	61.0
7:00-8:00	50.6	54.3	69.8	48.6	55.8	47.9
8:00-9:00	61.1	44.4	65.1	50.3	61.1	45.8
9:00-10:00	47.3	57.6	67.9	47.4	48.4	55.6
10:00-11:00	44.8	47.8	63.1	55.2	44.8	48.1
11:00-12:00	46.6	55.2	61.2	44.8	52.8	56.1
12:00-13:00	50.2	50.1	68.7	42.9	49.9	49.8
13:00-14:00	62.3	48.3	66.8	61.1	52.1	53.1
14:00-15:00	42.3	52.2	58.4	46.6	46.6	58.1
15:00-16:00	50.4	52.9	60.3	59.2	41.9	42.8
16:00-17:00	55.2	46.7	59.1	62.1	54.1	47.9
17:00-18:00	47.8	44.9	62.2	45.9	47.5	50.1
18:00-19:00	44.4	47.3	54.1	51.6	53.1	53.8
19:00-20:00	57.6	63.9	52.7	53.7	56.2	47.4
20:00-21:00	41.2	50.6	58.1	56.9	51.4	51.2
21:00-22:00	54.3	57.4	50.4	48.1	52.0	55.0

Sampling Location	20 - Lakhi Village (Below Conveyer Belt)					
	During Night Time - dB(A)Leq [#]					
Date of Monitoring	23-10-2019 & 24-10-2019	23-11-2019 & 24-11-2019	24-12-2019 & 25-12-2019	23-01-2020 & 24-01-2020	25-02-2020 & 26-02-2020	24-03-2020 & 25-03-2020
22:00-23:00	61.4	62.2	51.2	47.8	61.3	47.4
23:00-00:00	56.1	56.2	55.3	53.1	47.8	55.6
00:00-01:00	40.7	43.5	47.2	40.8	44.6	48.3
01:00-02:00	56.2	56.8	42.8	52.3	58.7	57.8
02:00-03:00	52.6	52.9	55.6	60.2	52.9	50.3
03:00-04:00	58.5	59.0	42.3	49.2	55.6	53.9
04:00-05:00	55.5	61.3	52.8	51.3	49.8	46.0
05:00-06:00	57.8	58.6	50.7	56.2	45.8	40.6

[#]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

● FSSAI Approved Lab ● Recognised by MoEF, New Delhi Under Sec. 12 of Environmental (Protection) Act-1986 ● GPCB approved schedule II auditor ● ISO 14001 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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



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

Table No.: 3H.1 – DG Sets Stack Emission Monitoring Results for the period: October-19 to March-20

Sr. No.	Parameters	Unit	DG Set # 1 MRSS (SS5)		DG Set # 2 (SS7B)		DG Set # 3 Marine (SS8)		DG Set # 4 Silo (SS11)	
			NOV-19	FEB-20	NOV-19	FEB-20	NOV-19	FEB-20	NOV-19	FEB-20
1	Particulate Matter	mg/Nm ³	24.86	18.76	22.36	20.82	18.61	22.65	20.76	15.37
2	Sulphur Dioxide	ppm	8.12	7.85	6.29	5.2	7.73	8.57	5.25	4.77
3	Oxide of Nitrogen	ppm	40.31	32.73	34.6	32.83	31.82	35.44	37.48	30.62
4	Non Methyl Hydro Carbon (NMHC)	mg/m ³	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
5	Carbon Monoxide (CO)	mg/m ³	3.44	9.64	6.03	6.87	4.74	8.44	2.33	6.13

Table No.: 3H.2 - DG Sets Noise Level Monitoring Results for the period: October-19 to March-20

Sr. No.	DG Set Average Noise Level In Leq. dB(A)		
	Sampling Location	At 1 m from the enclose outside	
	Sampling Date	NOV-19	FEB-20
1.	DG Set # 1MRSS (SS5)	70.2	68.4
2.	DG Set # 2 SS7B	69.6	67.5
3.	DG Set # 3Marine (SS8)	71.8	72.6
4.	DG Set # 4Silo (SS11)	72.7	73.4



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 : 2004 ● OHSAS 18001 : 2007 ● ISO 9001 : 2008

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

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

Annexure-4: Compliance Status of EMP as mentioned in the EIA study For Phase-III Expansion of Adani Petronet (Dahej) Port Pvt. Ltd., March -2020

S. No.	EMP Conditions	Compliance Status
A.	ENVIRONMENTAL MANAGEMENT PLAN (CONSTRUCTION PHASE)	
1.1	Air Quality Management Plan	
	Dust suppression systems will be installed for fugitive dust emission control while undertaking civil works.	Complying with. Water sprinkler and mist canon is being used to suppress the fugitive dust during construction activity.
	Regular wetting of roads will be undertaken on the paved and unpaved artillery roads.	Complying with. Regular wetting of roads is undertaken on the paved and unpaved arterial roads.
	Vehicle tyre washing facilities will be provided at the entrance to prevent spillover of dust sticking on tyre outside the facility.	Complied 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 equipment's at site will be subjected to regular maintenance to minimize the vehicle exhaust.	Complying with. All vehicles are being regularly maintained to minimize the vehicle exhaust.
	All trucks deployed at site will be a provided with fitness and pollution under control certificate.	Complying with. All vehicles are being checked for PUC.
	DG set with appropriate stack height as per CPCB guidelines for effective dispersion of pollutants shall be provided.	Complying with. All DG sets (standby source) are provided with stack height in compliance to the CPCB standards.
1.2	Noise Quality Management Plan	
	DG set with acoustic enclosure will be installed for power supply to construction activities.	Complying with. All DG sets (standby source) are provided with acoustic enclosures.
	All high decibel noise generating equipment's should be repaired to meet the compliance noise level.	Complying with. Noise generating equipment's are provided with acoustic enclosures.
	No activity involving with high intensity and magnitude of operation should be deployed. Silencers will be provided in Vehicle exhaust.	Complying with. <ul style="list-style-type: none"> All construction and operation activities are in compliance with the Noise level Norms. Monitoring of noise level is being done by M/s Pollucon Laboratories, NABL accredited and MoEF&CC recognized laboratory. Monitoring reports are presented in the Annexure 3G.

S. No.	EMP Conditions	Compliance Status
	Onsite fabrication activities will be undertaken at a designated location, which should be located away from the office buildings and any other working areas.	Complying with. Separate designated fabrication yard has been provided.
	In case noise emissions from the fabrication activities exceed a level of 85 dB(A) at the fence-line of the fabrication yard, temporary noise barrier will be installed.	Complying with. <ul style="list-style-type: none"> There is no occasion till date for exceeding the noise level at the port boundary. Persons working in the fabrication yard are provided with PPEs.
	Portable diesel engine generators and diesel engine driven compressors, if any, will be covered with acoustic enclosures.	Complying with. All noise generating equipment's are provided with acoustic enclosures.
1.3	Sewage Management Plan	
	Sewage generated from the construction site will be treated in existing STP of 27 m ³ capacity.	Complying with. Domestic effluent is being treated in STPs. The treated water confirming to the norms is being used for horticulture purpose. The monitoring results of the treated wastewater from STP for the period from October 2019 to March 2020 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	Complying with. All dust control systems are maintained and operating well.

S. No.	EMP Conditions	Compliance Status
	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	
	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 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 be installed within-built acoustic systems to maintain the noise decibel as per the manufacturer specifications	Shall be complied. Mechanization of the south jetty is yet to be done.
	DG sets installed in open area will be provided with acoustic enclosure	Complying with. DG sets installed in open area 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 within the premises.

S. No.	EMP Conditions	Compliance Status
	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 19.3894 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 anchored for collection of waste due to windblown in to the sea.	Complying with. A waste management plan is in place and a boat is provided to collect the waste blown due to high wind into the sea.
	In addition to the plan, the wastes that are expected to be generated will be disposed accordingly. The hazardous waste generated from the port operation will be disposed as per the HWM Rules 2008.	Complying with. All the wastes are being managed in compliance to the respective waste management rules as amended in 2016.
	Solid Waste generated during port operations will be disposed as per Solid Waste (Management & Handling) Rules 2000. Wherever possible the recycle and reuse will be explored for possibilities of recovery of any useful material. Option for recycle/reuse if not economical, then the waste will be disposed as per the SWM Rules, 2000.	
2.5	Green Belt Development Plan:	
	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	Complying with.

S. No.	EMP Conditions	Compliance Status					
	project site along the boundary. Saplings of Casuarina and Pedilanthus are planted along the coal stacking yards and periphery of port area.	Three tier Green belt is being developed in an area of 19.3894 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 	<p>Complied.</p> <p>The CSR activities are executed at group level by Adani Foundation. Adani Foundation is taking care of Social-economic establishment activities and details of the same are enclosed as Annexure – 8.</p>					
	<p>Education Promotion Programs</p> <ul style="list-style-type: none"> ✓ Providing sustenance funds for maintaining School Infrastructure like Drinking water Facilities, Sanitation facilities and providing supplies etc ✓ Providing scholarship programs ✓ Sport Coaching centre 						
	<p>Economic Development Programs</p> <ul style="list-style-type: none"> ✓ Knowledge centre regarding various government schemes and latest technology ✓ Skill Development Training Programs 						
	<p>Women Empowerment</p> <ul style="list-style-type: none"> ✓ Sanitation Promotion Programs ✓ Construction and Maintenance of Sanitation complex ✓ Awareness Programs 						
	<p>Infrastructure development Programs</p> <ul style="list-style-type: none"> ✓ Developing internal roads of villages ✓ Developing drainage systems ✓ Solar Street Lights ✓ Construction / Maintenance of Community Halls ✓ Social Forestry 						
2.7	Village Specific Infrastructure Development Programs:						
	<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> </tbody> </table>		S. No.	Village	Programs	1.	Luvara
S. No.	Village	Programs					
1.	Luvara	Developing proper drainage system in the village.					

S. No.	EMP Conditions			Compliance Status
	2.	Dahej	Providing Safe Drinking water Facilities in the schools	
	3.	Dahej	Developing medical facilities in the PHC such as facilities for storage of perishable medicines,	
	4.	Jageshwar	Developing Drainage System	
	5.	Lakhigam	Developing Drainage System	
	6.	Lakhigam Luvara Jageshwar	Developing Solar Street Light and Internal Village Roads	
	7.	Ambetha	Developing Drainage System	
	8.	Study Area Villages	Mobile Clinic providing medical facilities in the villages of the study area by having periodic visits and health camps.	
	9.	Study Area Villages	Developing Safe Drinking facilities at Schools in the study area.	
	10.	Jageshwar	Providing training programs on latest technology of fishing, free fishing equipments and providing vocational training programme for alternate income source.	
2.8	Environmental Management Cell			
	APPPPL 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 – 7.
	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			

S. No.	EMP Conditions	Compliance Status
	submission to GPCB, MoEF Regional Office, Vadodara and New Delhi.	
2.9	Cost Estimates for Environmental Management Plan:	
	The estimated total cost of the proposed project is Rs.464.32 Crores. Under the project, about Rs.173.35 Crores is allocated towards pollution control equipment, implementation of environmental pollution control measures and environmental management programs.	<p>Complied.</p> <p>Separate budget is allocated for Environmental Management and Socio Economic activities.</p> <ul style="list-style-type: none"> • Key components of environment budget are environmental Monitoring, STP's (O&M), Closed Conveyor System Maintenance etc. The allocation of revenue budget for Environment Cell for the FY 2019-20 was approx. Rs. 407.26lacs. Details of the environmental budget and expenditure for the period October 2019 to March 2020 is enclosed as Annexure – 6.

Annexure - 5 Green Zone Details - APDPPL, Dahej

Sr.no.	Location	Area in (Hect.)	Tree (No.)	Tree Spp.	Shrubs (Sq. Mt.)	Green Carpet (Sq.Mt.)	Palm	Remarks	FY
1	PMC office area Landscape / old pump house /Road side	0.45	500	Delonix regia/ Peltoforum /casurina (3 x3 m)	1000	1500	25	Implemented	2010-11
		0.23	250	Cassia semia/peltoforum/conocarpus (3 x3 m)					
		0.20	450	Coconut spp./ fruit trees / Dragon fruit /boganvallia (1.5 x 3 m)					
	Back side lakhibaba temple &Boundry site plantation (phase -1)	0.39	1300	Casurina Equisitifolia (1.5x 2 m)	0	0			
	Back side lakhibaba temple &Boundry site plantation (phase -1 a)	0.27	600	Casurina Equisitifolia (1.5x 3 m)	0	0	0	Implemented	2011-12
	Total	1.54	3100		1000	1500	25		
2	Gcptcl boudry wall site plantation (phase-1)	1.35	6000	Casurina Equisitifolia (1.5x 1.5 m)				Implemented	2011-12
	APPPL office area (SS-7)	0.32	400	Delonix regia /peltoforum/conocarpus/neem (2x4 m)	800	8000	200	Implemented	
	Gcptcl boudry wall site plantation (phase-1 a)	0.11	500	eucalyptus/ conocarpus (1.5x 1.5 m)	0	0	0	Implemented	
	Total	1.78	6900		800	8000	200		
3	LNG Site Boundry wall site plantation	0.90	4000	Casurina Equisitifolia /conocarpus(1.5x 1.5 m)	0		500	Implemented	2012-2013
4	Stack yard	0.68	3000	Casurina Equisitifolia/Eucalyptus /conocarpus(1.5x 1.5 m)	0	0	0	Implemented	
	Total	1.58	7000		0	0	500		
5	Road site Avenue tree plantation	0.68	1500	Casurina Equisitifolia/Conocarpus (1.5x 3 m)	3000	200	200	Implemented	2013-2014
		1.44	1600	Conocarpus (3x3 m)					
		0.90	1500	Conocarpus (2x3m)					
	Total	3.02	4600.00		3000	200	200		
6	Main gate Area Perifery /EHS/Road side	0.24	525.00	Casurina Equisitifolia (1.5x 3 m)				Implemented	2014-15 2015-16
		0.35	220.00	Conocarpus (4x4 m)				Implemented	
		0.23	500.00	Golden Bamboo (1.5x 3 m)				Implemented	
		0.60	500	Azardirecta indica /peltoforum/ Casurina (3x 4 m)	3450	2500		Implemented	
		0.256	320	Conocarpus /Casurina/forest trees (2x4 m)				Implemented	
		0.324	810	Conocarpus /Casurina (2x 2 m)				Implemented	
	Total	2.0	2875.0		3450	2500	0		
7	Coal yard area /Railway yard	0.15	255	Conocarpus /Casurina (2x 3 m)	0	0			2016-17 2017-18
		1.13	5000	Casurina Equisitifolia/conocarpus (1.5x1.5 m)	0	0	2000	Implemented	
		1.13	5000	Casurina Equisitifolia/conocarpus (1.5x 1.5m)		0		Implemented	
		2.40	10255.00		0	0			
	Permenant Godown area	0.36	1380	Shrubs and forest tree plantation	1500	2100	100	Implemented	2018-19
	Coal Yard Area	1.14	2861	Conocarpus /Casurina (2x 2 m)	1200	0	0	Implemented	
	Perifery road side	0.68	3000	eucalyptus /conocarpus(1.5x 1.5 m)	0	0		Implemented	
	Total	2.18	7241.00		2700.00	2100.00	2000.00		
8	Near J10 Junction	0.05	120	Conocarpus /Casurina (1 x 1 m)					2019-20
	Sea side New Development	0.27	1480	eucalyptus /conocarpu/ Bouganvallia/ shrubs (1x 1 m)	500				
	Marine Police Station	0.17	250	Azardirecta indica /peltoforum/ Casurina (3x 4 m)	200				

	Old pump house /silo area	0.11	480	Azardirecta indica /peltoforum/ Casurina (1.5x 1.5 m)					
	Port Yard Area	0.12	400	eucalyptus /conocarpus(0.80x 0.80m)					
	Ramji Temple Area / Lakhigam school	0.49	820	Azardirecta indica /peltoforum/ Casurina/conocarpus					
	Total	1.21	3550						
Trees Total Green Zone Area (Ha)		15.694450	45521.00		10950.00	14300.00	2925.00		
Shrub/carpet /palm Total Green Zone Area (Ha)		3.695			1.095	1.43	1.17		
Total Green Zone Area (Ha)		19.38945							

Annexure – 6: Environment Budget and Expenditure for the FY: 2019-2020

S. NO.	ACTIVITY/ CATEGORY	BUDGET (IN LAC)	EXPENDITURE (IN LAC)
1.	EHS Manpower	7.12	3.56
2.	Legal & Statutory Expenses	2.00	0.20
3.	Environmental Monitoring Services	23.10	9.78
4.	Cost for Water Consumption and use dust suppression	61.20	35.84
5.	Hazardous Waste Management & Disposal	3.00	2.12
6.	Greenbelt Development and Plantation	50.59	20.00
7.	O&M of Sewage Treatment Plant	7.05	2.79
8.	Environment Day Celebration	0.50	0.00
9.	Treatment and Disposal of Bio-Medical Waste	1.92	0.96
10.	Operation and Maintenance of Road Cleaning equipment and manpower	45.66	17.97
11.	Operation and Maintenance of Fire staff engage in water sprinkling activity	83.98	32.81
12.	Marine Ecology / Shoreline Monitoring	15.0	10.35
13.	Ergonomics and Health-hygiene Survey	1.50	0.0
14.	Environmental Study / Audit and Consultancy (Biodiversity – First Season Study)	15.0	9.18
15.	Bio Shield Project at village Malpur & Jambusar, Bharuch 1000m x 200m(1.0km)	27.14	13.57
TOTAL AMOUNT (IN LACS)		344.76	159.13

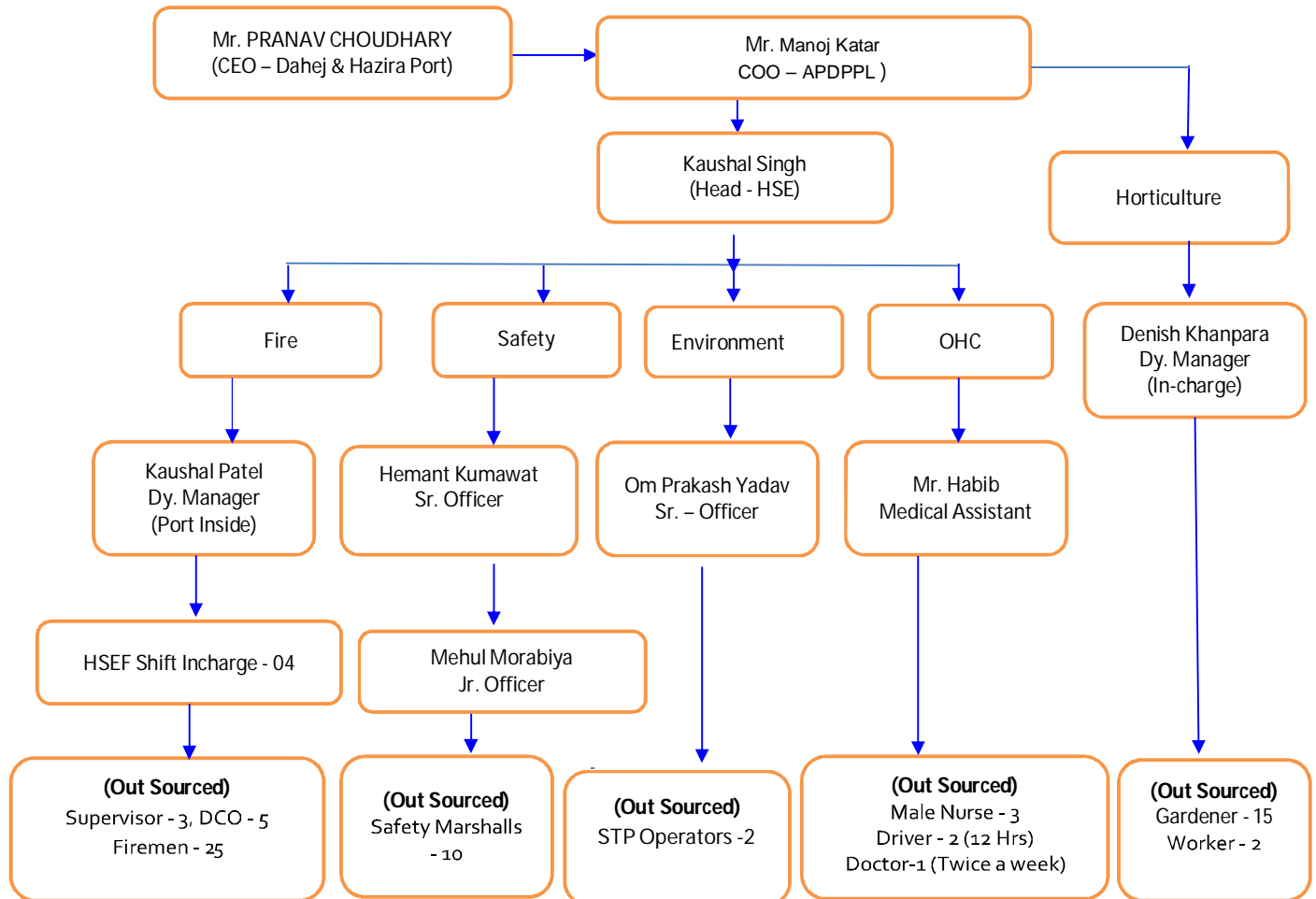
CAPITAL EXPENDITURE			
S. NO.	ACTIVITY/ CATEGORY	BUDGET (IN LAC)	EXPENDITURE (IN LAC)
1.	Horticulture Development	22.50	8.00
2.	EHS Display Board	5.00	2.50
3.	Sewage Treatment Plant (STP -50KL (Membrane Biological Reactor (MBR) Technology)	35.00	20.50
TOTAL AMOUNT (IN LACS)		62.50	31.00

TOTAL AMOUNT (IN LACS)	407.26	190.13
-------------------------------	---------------	---------------

Annexure - 7: Organogram of APDPPL - Environment Management Cell

ADANI PETRONET (DAHEJ) PORT PVT. LTD.

Department: QHSE Management Cell



Details of Environment Cell				
S. No.	Name	Designation	Qualification	Work Experience
1.	Kaushal Singh	Dy. Manager -HSE	Dip-Mech, PGDFS, NEBOSH	13 Years
2.	Denish Khanpara	Dy. Manager (Horticulture)	B.Sc. Horticulture, Post Diploma In Environment Technology (PDIEMT)	13 Years
3.	Kaushal Patel	Dy. Manager (Fire)	B.Sc. Fire, Post Diploma In Environment Technology (PDIEMT)	15 Years
4.	Hemant Kumawat	Sr. Officer (Safety)	Dip – Mech, Dip. In Fire & Safety, NEBOSH	10.5 Years
5.	Om Prakash Yadav	Sr. Officer (Environment)	M.Sc. Environment Science	6.0 Years
6.	Mehul Morabiya	Jr. Officer	B.Sc. Fire & Safety, Advance Diploma in Industrial Safety, NEBOSH	10 Years