



Date: 16/11/2015

To

The Director (S),
Western Regional Office,
Ministry of Environment, Forest & Climate Change,
E-5, Arera Colony, Link Road-3,
Ravishankar Nagar, Bhopal-462016 (M.P.)
E-mail: rowz.bpl-mef@nic.in

Kind Attn.: Dr. A. Mehrotra

Dear Sir,

Sub.: Half yearly Compliance Report of Environment and CRZ clearance for the period from
April, 2015 to September, 2015.

Ref.: 1). Environmental and CRZ clearance for the development of Multi Cargo Port with supporting utilities and infrastructure facilities at Hazira, Surat, Gujarat vide letter No.: 11-150/2010-IA.III dated 3rd May, 2013.
2). CRZ clearance for Proposed Modification/Expansion of Multi Cargo Port Facilities at Hazira, District - Surat granted to AHPPL vide letter No.: ENV-10-2012-30-E dated 11th May, 2012.

Please find enclosed herewith point wise Compliance Reports (Hard copy as well as in a CD) of conditions stipulated in the above referred letters.

Thank you,

Yours faithfully,

For, M/s. Adani Hazira Port Private Limited,

(Capt. A. K. Singh)

Chief Executive Officer

Encl.: As above

Copy to:

1. The Director (Monitoring - IA Division), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110 003.
2. The Director, Forests & Environment Department, Block - 14, 8th Floor, Sachivalaya, Gandhi Nagar, Gujarat - 382 010.
3. The Zonal Officer, Central Pollution Control Board, Zonal Office Vadodara, Parivesh Bhawan, Opp. VMC Ward Office No.:10, Subhanpura, Vadodra-390 023.
4. The Chairman, Gujarat Pollution Control Board, Parvayaran Bhawan, Sector - 10A, Gandhinagar-382 010 (Gujarat).
5. The Regional Officer, Gujarat Pollution Control Board, Belgium Square, Ring Road, Surat, Gujarat-395 003.

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Half Yearly Compliance Report for Environment & CRZ Clearance for the development of Multi Cargo Port with supporting utilities and infrastructure facilities at Hazira, Surat, Gujarat by M/s. Adani Hazira Port Pvt. Ltd.

S. No.	Stipulated Conditions	Compliance Status
6.	Specific Conditions	
i	"Consent for Establishment" shall be obtained from State Pollution Control Board under Air & Water Act and a copy shall be submitted to the Ministry before start of any construction work at site.	Complied with.
ii	The action plan on the issues raised during public hearing shall be submitted to the Pollution Control Board. The action plan shall be implemented without fail. Report on compliance shall be submitted to the Regional Office, MOEF along with the Six monthly reports.	Key points of the PH were: 1) Preference to be given to the local people for employment and transport & other contracts. M/s. AHPPL is giving preference to the locals for contracts and skilled local candidates for employment as per suitable requirements. 2) Villagers were anxious about their displacement due to port development. M/s. AHPPL is developing port on approx. 873.27 Hectares which is uninhabited and there is no acquisition of private property. The action plan and compliance status on the issues raised during the public hearing is enclosed as Annexure - 1.
iii	All the recommendations of SCZMA shall be complied with.	Compliance status of the conditions stipulated in GCZMA is enclosed as Appendix -1.
iv	Periodical study on shore line changes shall be conducted and mitigation carried out if necessary. The details shall be submitted along with six monthly monitoring reports.	NIO, Vizag has been engaged for shoreline changes study. They have done the first survey of the shoreline during October, 2014 for baseline and second survey will be done in November'2015. Mitigation measures (if any) will be decided after receiving the final report.



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S. No.	Stipulated Conditions	Compliance Status
v	Oil spills if any shall be properly collected and disposed as per Rules. Proper Oil contingency Management plan shall be put in the place.	Oil Spill Contingency Plan has been prepared and the same was approved/vetted by Indian Coast Guard (Letter No.: 7563, dated 09.01.2014).
vi	The detailed plan with budgetary provisions for the CSR shall be submitted to the ministry.	The CSR activities are planned out at group level by Adani Foundation in four verticals i.e. Education, community health, sustainable livelihood and rural infrastructure development. Details of the CSR activities for the Financial Year: 2015-2016 with allocated budget is enclosed herewith as Annexure-2 and the details of CSR activities, number of beneficiaries and expenditure for the FY: 2015-16 will be submitted to your good office along with next compliance report.
vii	All the recommendation of the EMP and DMP shall be complied within letter and spirit.	All the recommendations of the EMP and DMP are being taken care.
viii	Periodical monitoring of the sea water quality at the outlet shall be carried out to check the discharge is meeting the standard and not causing any impact to marine life.	M/s. AHPPL is monitoring the Sea Water Quality at three locations on monthly basis. Copy of the analysis reports from April'2015 to September'2015 are enclosed as Annexure-4, Part-B . Analysis reports indicated that there is no impact on Marine Life.
ix	Transport of cargo shall in closed system and dust control viz. water sprinkler, along conveyor and transfer points shall be provided.	For transportation of cargo following dust control measures are in place: 1. Belt Conveyor with hood, 2. Water Sprinklers, 3. Spray Nozzles in conveyor system, 4. Water browsers and




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S. No.	Stipulated Conditions	Compliance Status
		5. Water Mist/Fog System.
x	Construction activity shall be carried out strictly as per 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.	Development of port is as per master plan submitted to MoEF & CC for which the EC and CRZ Clearance has been issued.
xi	The project shall be executed in such a manner that there shall not be any disturbance to the fishing activity.	The port development is in a stretch of 4 Kms. of coastline. No fishermen are displaced due to project activity of AHPPL. The surrounding areas are open for fishing. In addition, AHPPL has supported fisherman by giving them support in the form of tools, nets etc.
xii	It shall be ensured that there is no displacement of people, houses or fishing activity as a result of the project.	Land requirement has been met through reclamation which is in line with the ECs granted in 2003 and 2013. There is no acquisition of private land and thus there is no displacement of people, houses or fishing activity due to port development.
xiii	The project proponent shall set up separate Environment Management Cell for effective implementation of the stipulated environmental safe guards under the supervision of a Senior Executive.	Environment Management Cell has been set up with qualified staff to ensure the effective implementation of environmental safe guards.
xiv	The Funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.	Budget for Environment Management for the Financial Year: 2015-16 is enclosed as Annexure-3 . No funds are diverted for any other purposes.




Half Yearly Compliance Report for Environment & CRZ Clearance for the development of Multi Cargo Port with supporting utilities and infrastructure facilities at Hazira, Surat, Gujarat by M/s. Adani Hazira Port Pvt. Ltd.

S. No.	Stipulated Conditions	Compliance Status
7.	General Conditions	
i.	Appropriate measures must be taken while undertaking digging activities to avoid any degradation of water quality.	Proper care is being taken during digging activity to avoid any degradation of water quality. However, M/s. AHPPL is monitoring the Ground Water Quality at one location on monthly basis. Copy of the Ground Water Analysis Reports from April'2015 to September'2015 is enclosed as Annexure- 4, Part-D1 .
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 plans including the action taken reports in respect of mitigation measures and other environmental protection activities.	Noted and being complied with. Last visit by MoEF & CC - RO was held on 05/02/2015 and full cooperation was extended.
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.	Six Monthly Environmental Monitoring Reports from April'2015 to September'2015 is enclosed as Annexure - 4 .
iv.	Ministry of Environment & Forests or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary subsequently, if deemed necessary for environmental protection, which shall be complied with.	Noted. 
v.	The Ministry reserves the right to revoke this clearance, if any of the	Noted.

Half Yearly Compliance Report for Environment & CRZ Clearance for the development of Multi Cargo Port with supporting utilities and infrastructure facilities at Hazira, Surat, Gujarat by M/s. Adani Hazira Port Pvt. Ltd.

S. No.	Stipulated Conditions	Compliance Status
	conditions stipulated are not complied with to the satisfaction of this Ministry.	
vi.	In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to Ministry of Environment and Forests.	Noted.
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.	The required information provided to all concern. Approval from GMB to commence work was obtained on 09 th April, 2010 vide letter No.: GMB / N / PVT / 923 (10) / 42 / 458.
viii.	A copy of the clearance letter shall be marked to concerned Panchayat / Local NGO, if any from whom any suggestions / representations has been received while processing the proposal.	Complied.
ix.	State Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's Office for 30 days.	This condition does not belong to M/s. AHPPL.
8.	These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act 1986, the Public Liability (Insurance) Act 1991 and EIA notification 1994, including the amendments and	AHPPL has obtained Public Liability Insurance vide Policy No.: 3133201064763100000 valid up to 31 st March, 2016. 

Half Yearly Compliance Report for Environment & CRZ Clearance for the development of Multi Cargo Port with supporting utilities and infrastructure facilities at Hazira, Surat, Gujarat by M/s. Adani Hazira Port Pvt. Ltd.

S. No.	Stipulated Conditions	Compliance Status
	rules thereafter.	
9.	All other statutory clearance such as the approvals for storage of diesel from Chief Controller of Explosive, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective competent authorities.	All the applicable clearances from respective authorities have been obtained i.e.: 1-PESO Approval: Dated 10 th Nov, 2014, 2-Forest Clearance: Not Applicable, 3-Wildlife Conservation: Not Applicable, 4- Civil Aviation: Not Applicable.
10.	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 Environment and CRZ clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at Website of the Ministry of Environment & Forests at http://www.envfor.nic.in . The advertisement should be made within 10 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bhopal.	Complied.
11.	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. 

Half Yearly Compliance Report for Environment & CRZ Clearance for the development of Multi Cargo Port with supporting utilities and infrastructure facilities at Hazira, Surat, Gujarat by M/s. Adani Hazira Port Pvt. Ltd.

S. No.	Stipulated Conditions	Compliance Status
12.	Status of Compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.	The compliance report of conditions stipulated in Environmental and CRZ clearance is available on the company website i.e.: http://www.adaniports.com/Hazira_port_operations_VesselsBearth.aspx
13.	Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted.
14.	A copy of the clearance letter shall be sent to concerned Panchayat, Zila Parshad/ 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.
15.	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 MOEF, the respective Zonal Office of CPCB and the SPCB.	The half yearly compliance report is being uploaded on the company website and submitted to: 1. RO - MoEF & CC, Bhopal, 2. MoEF & CC -New Delhi, 3. CPCB, Zonal Office - Vadodara, 4. Head Office GPCB- Gandhinagar 5. RO, GPCB - Surat and 6. DoEF, Gandhinagar
16.	The Environmental Statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as	The Environment Statement in Form-V (for the Financial Year: 2014-15) submitted to GPCB vide letter dated 04 th September, 2015 & also uploaded on company website. Form-V has been sent to Ministry Regional

Half Yearly Compliance Report for Environment & CRZ Clearance for the development of Multi Cargo Port with supporting utilities and infrastructure facilities at Hazira, Surat, Gujarat by M/s. Adani Hazira Port Pvt. Ltd.

S. No.	Stipulated Conditions	Compliance Status
	prescribed under the Environment (Protection) Rules 1986, as amended subsequently, shall also be put on the website of the company along with status of compliance of EC Conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	Office by email at rowz.bpl-mef@nic.in



APPENDIX -1:

**COMPLIANCE TO THE CONDITIONS STIPULATED IN CRZ CLEARANCE/
RECOMMENDATION FOR PROPOSED MODIFICATION/ EXPANSION OF
MULTI CARGO PORT FACILITIES**



Compliance to the conditions stipulated in CRZ Clearance/Recommendation for Proposed Modification / Expansion of Multi Cargo Port Facilities at Hazira, District - Surat (Gujarat):

S. No.	Conditions	Compliance Status
	Specific Condition	
1	The provision of CRZ Notification 2011 shall be strictly adhered by M/s. AHPPL. No activity in contradiction to the provision of CRZ Notification shall be carried out by M/s. AHPPL.	Noted and complied.
2.1	M/s. AHPPL shall not construct any storage facilities for material / chemicals in the CRZ area except for those permissible as per Annexure - II of CRZ Notification 2011.	Noted. Only permissible activities being carried out in CRZ area.
2.2	Also for other hazardous chemicals, outside CRZ Areas, the AHPPL shall consult SDMA for Disaster Management Plan.	Complied, Disaster Management Plan has been submitted to SDMA vide letter dated 20.10.2012. Comments vide GSDMA letter No.: GSDMA/ SM/Ind. Safety / 770560 dated 03.12.2012. The Revised Plan was submitted to GSDMA on 23.05.2014.
3	All necessary permissions from different Government Departments / agencies shall be obtained by M/s. AHPPL before commencing the activities.	All the statutory permissions from the concerned statutory authorities are obtained. 1. Environment and CRZ Clearance from MoEF, GOI vide order No.: F.No.:11-150/2010-IA-III dated 03.05.2013. 2. PESO Clearance from Chief Controller of Explosive, Nagpur vides Order No.: P/HQ/ GJ/15/5294 (P270337), dated 10.11.2014. 3. License to work a Factory (Liquid Terminal) from Director of Industrial Safety and Health, Govt. of Gujarat their vide Registration No.: 3502/51410/ 2013 and License No.: 18757,



Compliance to the conditions stipulated in CRZ Clearance/Recommendation for Proposed Modification / Expansion of Multi Cargo Port Facilities at Hazira, District - Surat (Gujarat):

S. No.	Conditions	Compliance Status
		<p>Renewed on 09-02-2015 valid till 31.12.2016.</p> <p>4.Consent to Establish (NOC) amendment from GPCB their vide Order No.: GPCB/CCA-SRT - 1314(5)/ID- 35352/226831 dated 26.09.2014.</p> <p>5.Amended Consent to Operate (CC&A - Amendment) from GPCB vide letter No.: GPCB/CCA-SRT 1314 (6)/ ID-35352 / 323067 dated 02.08.2015.</p>
4	The AHPPL 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.	AHPPL has not caused any damage to nearby mangrove patches and is not disturbing the free flow of water to nearby mangroves.
5	No dredging, reclamation or any other project related activities shall be carried out in CRZ area categorized as CRZ-I (A) and it shall have to be ensured that the mangrove habitats and other ecologically important and significant areas, if any in the region are not affected due to any of the project activities.	No dredging, reclamation or any other project related activities is being carried out in CRZ area categorized as CRZ-I (A) and there is no mangrove habitats and other ecologically important and significant areas within port limit.
6	The dredging material shall be disposed of at the location already approved by the Ministry of Environment and Forests, Government of India.	The dredging material is being utilized for level raising, reclamation and apart from the above activity if any excess material generated will be disposed of at the location already approved by the MoEF.
7	All the recommendations and suggestions given by M/s. NIO and Chalamandalam MS Risk Services Ltd, Chennai in their EIA reports for	All the recommendations and suggestions for conservation / protection and betterment of environment are being

Compliance to the conditions stipulated in CRZ Clearance/Recommendation for Proposed Modification / Expansion of Multi Cargo Port Facilities at Hazira, District - Surat (Gujarat):

S. No.	Conditions	Compliance Status
	conservation / protection and betterment of environment shall be implemented strictly by M/s. AHPPL.	implemented strictly.
8	The construction and operational activities 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 reputed institute / organization.	There are no mangroves and important coastal/ marine/ habitats within the port limit The Port development work is supervised by Gujarat Maritime Board (GMB) and the Progress report of Port development activities are regularly submitted to GMB.
9	M/s. AHPPL shall strictly ensure that no creeks or rivers are blocked due to any activity at Shipyard.	M/s. AHPPL is not blocking any creeks. Shipyard is not envisaged in our proposal.
10	The construction debris and / or any other type of waste shall not be disposed of into the sea, creek or in CRZ areas. The debris shall be removed from construction site immediately after the construction is over.	Noted and complied.
11	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 construction labours.	Noted and complied.
12	M/s. AHPPL shall prepare and regularly update their Local Oil Spill Contingency and Disaster Management Plan in consonance with National Oil Spill and Disaster Contingency Plan and shall submit the same to this department after having it vetted through Indian Coast Guard.	Oil Spill Contingency Plan has been prepared and the same was approved/vetted by Indian Coast Guard (Letter No.: 7563, dated 09.01.2014)



Compliance to the conditions stipulated in CRZ Clearance/Recommendation for Proposed Modification / Expansion of Multi Cargo Port Facilities at Hazira, District - Surat (Gujarat):

S. No.	Conditions	Compliance Status
13	M/s. AHPPL shall bear the cost of external agency that may be appointed by this department for supervision / monitoring of proposed activities and the environment impact of the proposed activities.	Noted.
14	The jetty and most of the approach would be supported on piles allowing adequate flow of water without significant obstruction.	Jetty approach is supported by piles allowing adequate flow of water.
15	The ground water shall not be tapped within the CRZ areas by the AHPPL to meet with the water requirements in any case.	Ground water is not tapped with in CRZ area by M/s. AHPPL to meet with the water requirements.
16	M/s. AHPPL shall take up massive greenbelt development activities in consultation with Forest Dept. / GEER Foundation / Gujarat Ecology Commission. A comprehensive plan for this purpose has to be submitted to the Forests and Environment Department.	M/s. AHPPL has dedicated green belt area for plantation at periphery / avenue plantation / landscaping etc.
17	Mangrove plantation in 200 Ha. shall be carried out in consultation with Gujarat Ecology Commission / Forest Dept. by M/s. AHPPL with in a period of two years from the issuance of CRZ clearance by MoEF, 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.	M/s. AHPPL has developed mangrove plantation on 100 hectors area i.e.: 50 hectors in Kantiyajal and 50 hectors in Village Nada-Devla of District - Bharuch. Remaining 100 hectors is being developed in Village Nada-Devla and will be completed by end this financial year.
18	The AHPPL shall have to take up bio-shielding development programme as part of CSR in consultation with Forest Department / PCCF and action plan in this regard shall have to be submitted to the MoEF - GoI and this Department.	Noted. Communication has been initiated with PCCF, Forest Dept., GoG and District Forest Officer, Surat Forest Range.



Compliance to the conditions stipulated in CRZ Clearance/Recommendation for Proposed Modification / Expansion of Multi Cargo Port Facilities at Hazira, District - Surat (Gujarat):

S. No.	Conditions	Compliance Status
19	M/s. AHPPL shall have to contribute financially for taking up the socio-economic upliftment activities in this region in consultation with Forest and Environment Dept. and the District Collector / District Development Officer.	Appropriate financial contribution is being made in consultation with District Authorities and Forest & Environment Department, GoG.
20	A separate budget shall be earmarked for environment management and socio-economic activities including green belt development / mangrove plantation and details thereof shall be furnished to this Department as well as the MoEF, Gol. The details with respect to the expenditure from this budget head shall also be furnished along with the compliance report.	<p>Environmental Management Plan is in place and the funds earmarked are being utilized for effective implementation of environmental safeguards and environment monitoring. Key components are Environment monitoring, Mangrove plantation, environmental studies etc.</p> <p>The budget for Environment Management for the Financial Year: 2015-16 is enclosed as Annexure-3. No funds are diverted for any other purposes. The CSR activities are planned out at group level by Adani Foundation in four verticals i.e. Education, community health, sustainable livelihood and rural infrastructure development. Details of the CSR activities for the Financial Year: 2015-16 with allocated budget is enclosed herewith as an Annexure-2 and the details of CSR activities, number of beneficiaries and expenditure for the FY: 2015-16 will be submitted to your good office along with next compliance report.</p>
21	A separate Environment Management	Environment Management Cell has



Compliance to the conditions stipulated in CRZ Clearance/Recommendation for Proposed Modification / Expansion of Multi Cargo Port Facilities at Hazira, District - Surat (Gujarat):

S. No.	Conditions	Compliance Status
	Cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project.	been set up with qualified staff to ensure the effective implementation of environmental safe guards.
22	Environment Audit Report including the changes, if any, with respect to baseline environmental quality in the coastal and marine environment shall be submitted every year by M/s. AHPPL to this Department as well as MoEF, Gol.	Regular marine monitoring is being done by AHPPL and reports are submitted to MoEF & CC, Gol along with Half Yearly Compliance Reports. No significant changes observed with respect to baseline.
23	A six monthly report on compliance of the conditions mentioned in this letter shall have to be furnished by M/s. AHPPL on a regular basis to this Department as well as MoEF, Gol.	Last six monthly compliance reports are submitted on 01 st June'2015. Detailed Six Monthly Environmental Monitoring Reports from April'15 to September'15 is enclosed as Annexure - 4 for reference.
24	Any other condition that may be stipulated by this Department / MoEF, Gol from time to time for environment protection / management purpose shall have to be complied with by M/s. AHPPL.	Noted.

**ANNEXURE 1: ACTION PLAN AND COMPLIANCE STATUS ON THE ISSUES RAISED
DURING THE PUBLIC HEARING**

S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
1	On behalf of Hazira village, I welcome the expansion project of M/s. Adani Hazira Port Pvt. Ltd. at Hazira. Priority will be given to thousands of people of Hazira and surrounding villages for transport, business and employment opportunities. Company has provided training to the people of Hazira and surrounding villages for crane operation at Mundra and given employment as crane operator at Hazira Port.	Rohitbhai, we are happy to note that on behalf of Hazira gram panchayat you have given warm welcome for this project. We whole heartedly thank you for this gesture. We assure you that our conduct and approach in managing activities would be in reciprocation to your welcome.	Closed.
	I believe that company will install latest technology for pollution control. Proposed project will surely care for human life. Due to proposed port Hazira people will surely get water, health and education facilities. I request that company would take required precautions for accident prevention and safety. Adani Foundation has provided required support as and when needed by Hazira village. I request that fishermen's concerns be taken care.	Port Business consists of handling of cargo and port business is a service industry not any process industry as there is no processing involved in port activities. We will ensure the pollution levels are within limit. As part of Adani Foundation CSR Activities are already in place and to provide support to fisher folks. Adani foundation intends to improve their livelihood and	There is no adverse effect on Environment observed and the pollution levels are within limit. The results of Environmental Monitoring conducted by MoEF recognized agency are regularly submitted to concerned authorities. Adani Foundation is taking care of CSR activities in and around surrounding area. Details are submitted along



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		propose the following steps: 1). Fishermen Equipment Aid Scheme, 2). Equipment's worth Rs. 15 lacks for support programme, 3). Education and awareness through Video shows, 4). Exposure Visit Safety measures for workman ship is also already in place and implementation of the same is being driven by Health & Safety Department.	with compliance report. Please refer the Annexure - 2 .
	I welcome this port as we are getting transport related business opportunities and we hope that same would be continued in future.	Adani will continue to give priority to locals for transportation business.	Preference is given to local transporters.
	Please clarify how much priority will be given to people from Hazira and surrounding areas for employment.	First preference will be given to Hazira and surrounding areas villagers for employment provided candidates satisfy qualification and medium of experience requirements.	Preference is given to skilled local candidates.
	Forest land is also requested for development of port at Hazira. So kindly clarify for compensation/afforestation/mangrove plantation	As part of State CRZ recommendation competent authority has advised us to do mangrove plantation	M/s. AHPPL has developed mangrove plantation on 100 hectors area i.e.: 50 hectors in Kantiyajal



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		to the tune of 200 ha on obtaining Environment Clearance (EC). We will comply the same on obtaining EC.	and 50 hectares in Village Nada-Devla of District - Bharuch. Remaining 100 hectares is being developed in Village Nada-Devla and will be completed by end of this financial year.
	Please clarify what arrangements have been made by company if calamities like Tsunami, Earthquake or Flood arise after implementation of the proposed project.	In the context of natural calamities, we have done modeling studies to understand the risk of oil spillage. We have also prepared Disaster Management Plan. This plan is being presented to the District Collector. After his approval it will go to State Disaster Management Authority at Gandhinagar for necessary approval and guidance. During natural calamities all local industrial units and government organizations work together to mitigate impacts of natural calamities. In that situation we would work under the guidance of District Collector and police	The Disaster Management Plan has been submitted to District & State Authorities. Suggestions from authorities are incorporated and submitted to State Disaster Management Authority (GSDMA) vide letter No.: Nil dated 23/05/2014. SDMA has also prepared a comprehensive Disaster Management Plan for entire Hazira Region.



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		authorities to do the needful. Disaster Management Plan is structured in such a way.	
2	<p>We welcome this public hearing. It is good that you are giving preference to local affected people and hearing them during public hearing. We don't have any objection against the development of Adani Group along with other industrial development in Hazira leading to development of Gujarat and the Nation. Adani company is complying with the environmental laws promulgated by the State and Union Government. In fact, it is duty of Adani Port to do so. Under their CSR activities Adani Group should provide support for development of Hazira village and employment to unemployed people. All transport businesses should be given to small & big local transporters of Hazira only. Youth from families of affected fishermen should be provided required training and employment. New transport route should be proposed as the present route to take containers is very narrow.</p>	<p>Thanks for welcoming our project. CSR Activities are already in place by Adani Foundation. We also ensure that priority will be given for employment to local's people and provide business opportunities to small & big local transporters. For affected Fisherman Youth Adequate training will be given and based on performance during training, employment preference will be given.</p> <p>National Highway - 6 is being widened. On completion of widening the constriction and congestion that we see today will be behind us. As mentioned in the EIA in the first 5 years of the multi cargo port maximum number of 1200 trucks is</p>	<p>AHPPL has always given employment priority to local qualified persons and in future the same will be continued.</p> <p>No fishing activity has been affected by the port. However we are always ready to give required training to fishermen or any other persons as per their needs. Adani Foundation is taking care of training programs under our CSR activities.</p> <p>The Hazira bypass Road is now taken over by NHAI and upgraded to four lanes. Additionally AHPPL is planning to transport cargo through dedicated Rail Route. The development work of Rail corridor is under process in consultation with Govt. Agencies.</p>



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		expected to ply in the national highway connecting the port. After the railway line is developed and the trains start plying 60% of the transportation load will be conveyed through rail transport only 40% will come on the national highway. That is a moderate load.	
	We thank Adani Group for giving support for the construction of classrooms for standard 11 & 12 in Navchetan school.		Closed.
	I thank you for making me successful in providing compensation to the affected fishermen.		Closed.
	I request for employment to locals people and transport contract to local transporters only. We support the development of Adani Port in our area. We don't have any objection to the project in this public hearing.		AHPPL has always given employment priority to local qualified persons and in future the same will be continued.
3	As this is biggest port in the South Gujarat and as there is no government land left, we wish that there will not be resettlement of the Junagam village due to this proposed expansion project of Adani Port. There is a fear	We want to assure you that we do not intend to take any private land of farmers or any house site land. If you carefully see the development plan we	There is no R&R factors involve for development of Port. The entire port is being developed on reclaimed land allotted by Government.



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
	in the people of the village that they will have to vacate the village in future. So we request collector to give us guarantee in writing that we will be able to live with peace where we are today.	have just presented, the map will alleviate your uncalled fears. There would not be any question of rehabilitation of any village. Moreover, we will take care that your property, your assets and convenience are not jeopardized by our action.	
	Berths will be developed through dredging up to -15 meters. We are getting ground water from the depth of 20 to 65 ft in some of the areas, which we are using for drinking purpose. What will be the impact on the ground water due to dredging up to -15 meters?	Dredging activity is carried out in marine area i.e. sub tidal area and not in terrestrial part. Dredging is limited to turning circle and basin area. Due to this ground water is not going to be polluted in any way.	Ground water quality in vicinity of the project is being monitored through NABL accredited and MoEF recognized Laboratory. There is no adverse impact observed on ground water quality.
	After construction of liquid berth No.: 3 which will handle & store 1.95 Million Tones by 2017-18, what emergency steps would be required to save the human life incase just like Bhopal if there will be gas leakage due to Tsunami, Earthquake or terrorist activities.	In the context of natural calamities, we have done modeling studies to understand the risk of oil spillage. We have also prepared Disaster Management Plan. This plan is being presented to the District Collector. After his approval it will go to State Disaster Management	The Disaster Management Plan was submitted to District & State Authorities. Suggestions from authorities are incorporated and submitted to State Disaster Management Authority vide letter No.: Nil dated 23/05/2014. SDMA has also prepared a



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		Authority at Gandhinagar for necessary approval and guidance. During natural calamities all local industrial units and government organizations work together to mitigate impacts of natural calamities. In that situation we would work under the guidance of District Collector and police authorities to do the needful. Disaster Management Plan is structured in such a way.	comprehensive Disaster Management Plan for entire Hazira Region.
	We welcome Adani Port & they require land for the container and coal storage. However, all industries located in the Hazira area have acquired government land and another 2000 acre land is allotted to tourism department. Sir therefore, I request you to declare remaining land of Junagam, Suvali, Damka & Batlai as residential area or agricultural zone. This is to ensure that in future we will not be displaced. As the port is to be constructed at the coast line, there are chances of spillage of liquid into sea and impact of solid	Thanks for welcoming our project and as we mentioned above we are not going to acquire any land apart from our port layout area mentioned in EIA report. So far as declaring rest of Govt. land as residential and agricultural zone is concerned authorities may take a call on it, which is not in our control. Our Oil Spill Response Plan and	Closed.



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
	hazardous waste. In this condition explain plan to mitigate impact on fisherman community.	Disaster Management plan is addressed to above questions and fisherman community our CSR activities are addressed in response to Rohitbhai Jayantibhai Patel, Sarpanch, Hazira.	
	Secondly there is a question of unemployment of the youth of the Hazira area. As told by the company 700 people will be employed, youth from local families presently engaged in farming, animal husbandry and fisheries should be trained. Due to development of the port people from different states of India will come and therefore, there are chances of crime such as gang rape, hooliganism and terrorist attack. Is there any plan to control these potential evils? Training to unemployed women and employment is being planned. In future we and Adani Port would like to work together with full cooperation. On behalf of Junagam village and villagers, I welcome the expansion of the terminal.	The port has opportunities for both technical and non-technical employment. Moreover indirect employment in transport and other services will also be there. All these opportunities may be taken by local residents. To facilitate them to take this opportunity we will provide necessary training to enhance their competence, so that they may not only get employment in Adani port but else were also. Some of you have expressed concern about terrorist activity creating great risk to our chemical	Port has obtained ISPS, NSPC and other clearances from concerned authorities. Port authority is closely coordinating with Marine Police Station to maintain law and order. No serious increase in law and order issues so far.



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		terminals with attendant adverse consequences in our neighborhood. We are going to be ISPS compliant; as a result of this discipline only authorized persons and material can enter into the port. More over district administration and police also take precautionary measures to intercept terrorist activities. Coast guards contribute to this effort. In a sense the entire nation is collectively fighting against terrorism.	
4	Plantation of the mangroves has been carried out between well numbers 4 to 7. This plantation has been destroyed by dredging and area is filled up.	As per Environment Clearance 2003 there were mangroves of 22 ha and it was informed to protect the same vide specific condition (vi). But an amendment was issued on 19th Feb 2007 for deleting the specific condition and instruction was given to HPPL to do compensatory mangrove plantation to the tune of 200 ha. AHPPL has not	M/s. AHPPL has developed mangrove plantation on 100 hectors area i.e.: 50 hectors in Kantiyajal and 50 hectors in Village Nada-Devla of District - Bharuch. Remaining 100 hectors is being developed in Village Nada-Devla and will be completed by end this financial year.




S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		destroyed any mangrove directly or indirectly.	
	In this area fisherman used to catch prawns, crabs and sustain their livelihood. Through dredging company has destroyed Mangroves.	As above	
	There are approximately 2500 fishermen, belonging to, Halpathi and Koli Patel communities living in the village. These people will be unemployed as fishing activity will be stopped due to dredging up to 20 meter by the company. Is it development or destruction?	M/s. AHPPL had provided compensation to affected fisherman by identifying effected fisher man with the help of the Sarpanch, Hazira.	M/s. AHPPL had provided monetary help to needy fishermen who were affected by reduced catch in this area well before arrival of AHPPL by identifying effected fishermen and women with the help of the Sarpanch, Hazira. No fishing activities have been affected by dredging which is strictly as per EC.
	If fishermen get sand from the river by the boat in the Magdalla area, they have to pay royalty for the same. But why companies are given permission for dredging without royalty? What about approximately 2500 fishermen?	In regard to impact on fisherman, I want to point out the real situation that we are not in the river mouth, but just outside of it. The port development is only in a stretch of 4 km of coast line. We have not displaced any fisherman. The surrounding areas are open for fishing, Nevertheless we	

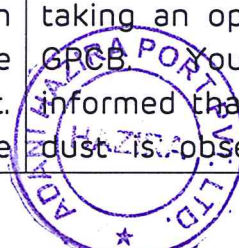



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		<p>have compensated fisherman who were identified by the Grampanchayat to be active in the areas where we are now operating. As Sushmaben mentioned we will support fisherman by giving them tools, nets etc. and be help full to them.</p> <p>A charge on sand procured from riverbanks is a subject of Govt. Policy. Dredging may be treated differently because without dredging no port can be created. Moreover, reclaimed land remains under ownership of Government.</p>	
5	<p>As our friends have already given suggestion for safety and employment, it is not required to repeat the same. Foundation should provide employment opportunity to the land looser, fisherman, individual engaged in animal husbandry who are above 50 years and uneducated.</p>	<p>The port has opportunities for both technical and non-technical employment. Moreover indirect employment in transport and other services will also be there. All these opportunities may be taken by local residents. To facilitate them to</p>	<p>AHPPL has always given employment priority to local qualified persons and in future the same will be continued.</p>





S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		take this opportunity we will provide necessary training to enhance their competence, so that they may not only get employment in Adani port but else were also.	
	<p>Unemployed youth of this area should be provided training and given opportunity for the employment. Company should control the pollution arising due to transportation of chemical or coal. Earlier Shell company used to avoid overloading. So Adani Port should also not do the overloading to prevent the accidents. There is no medical facility available for treatment in case of emergency. As there is drought this year, company should consider providing drinking water in surrounding area.</p> 	<p>This port will have focus on container cargo. Container cargo comes in boxes and is clean by nature. So the question of fugitive dust emission on the road is not expected to be severe for this port. The coal handling will be done taking care that all the trucks are properly covered so that there is no dust emitted on the road. As you know practically all our transporters are from this area. It is their responsibility to take care of overloading. If transporters do not overload there would not be any spillage on the roads. It is not only responsibility of GPCB or the company but we all have to collectively</p>	<p>AHPPL is following best practices of port operation to reduce pollution and prevent accidents. Port is maintaining an Occupational Health Centre with qualified officers, ambulance and proper antidotes for all types of chemicals being handled in port. Tie-up with reputed hospitals in the city exists to cater to more serious cases.</p>


S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		work together for spillage free coal transportation. We have taken note of your needs. In CSR activities we would include public health related measures.	
6	(During the representation of the Shri. Divyeshbhai there was an aggressive representation of Shri Jayesh Patel resident of village Dihen that he wants to present his questions. Honourable Collector replied that resident or stakeholders from affected villages should represent first. During this time Shri Jayesh Patel and his henchmen created disturbance which was controlled by Panel and then representation from Mr. Divyeshbhai continued.)		
	Why this public hearing is kept at Junagam even it is of Hazira Village? Now we will talk about the pollution. Lots of dust is observed in the houses of the hazira village during the night hours. As per information particles of dust have been found in the lungs of the woman. If this information proves to be true we will file a petition in the High Court. During the widening of the	Public Hearing is conducted at Junagam as this location is central for all the stakeholders and keeping in view of the convenience of all the stakeholders this site was decided duly taking an opinion of GPCB. You have informed that lots of dust is observed in	Closed.





S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
	<p>National Highway No. 6 land in the surroundings villages will be taken. As National Highway is not passing through Hazira, the villagers need to travel 8 Kilometers extra. Why it is not extended straight? Fishermen are being told that there is no fish in the sea but slabs are cast in the corners of the sea due to which some fish die. Dolphin is also found at present in the Hazira area. We welcome the project if the port company is ready to give written assurance regarding employment.</p>	<p>the houses of Hazira. As you are aware there is a very big processing industry behind the residential area of Hazira village. Ours is a service industry which will not contribute significantly to pollution levels and our project is exactly on the sea front not very near village settlements. National Highway exists as it used to be before we started our project. We have not created any disturbance in the road network. Marine EIA does not reveal that there are Dolphins in the area. Method of our jetty construction keeps the fish out of harm's way and we have not observed any fish fatality in the jetty construction area.</p>	
7	<p>I raise my objections against proposed expansion project of AHPPL for which public hearing is organized and I request that my objections should be included.</p>	<p>M/s. Shell got approval for construction of 11 berths and the berths have been constructed at approved location only.</p>	

S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
	M/s. Shell India has got environment clearance in 2003 in which clearance was given for development of three berths. These berths are constructed at places other than shown earlier. So I request collector to remove these three berths.	As on date totally 5 berths are developed and this public hearing is only for one additional berth i.e. liquid terminal. Further, coal is stored in dedicated area with proper windshield arrangement to avoid blowing of coal. To avoid fine dust emission fire hydrants were arranged for regular sprinkling and to avoid fire accident two fire tenders have been arranged on permanent basis.	Closed.
	Out of proposed 7 berths for container and 4 for bulk terminal 3 have been already constructed and port is functional. In this situation I request to include in this public hearing what actions have been taken by collector against Adani for functioning of port & disposal of coal in Hazira and what actions have been taken by GPCB against company for disposal of coal in open.		
	This project is being developed on the mouth of river Tapi therefore it is my	I want to point out the real situation that we are not in	

S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
	feeling and request that it should not be given Environment Clearance.	the river mouth, but just outside of it.	
	EIA study does not include the objections of the report of Sugnaben Commission which was set up by Gujarat Government in 2006 in the aftermath of Surat flood.	The report objects only to construction that may potentially obstruct seaward flow in Tapi River. Our port is so located that it cannot have any such effect.	
	Hazira is located on the mouth of Vindhola & Tapi river. As per ICMAM report of Tapi river, erosion effect had spread up to Dumas because of filling of Tapi river due to Industrialization in this area. Erosion of shore is up to 2500 m towards Dumas. ICMAM report is not studied. There is no clarity on what steps are required to control the erosion of shore near Dumas, so it is my request that it should not be given Environment Clearance.	We have done modelling of all activities in marine area. There is not even any remote chance of this port construction leading to erosion in Dumas. These are disjoint or unconnected matters.	
	This area is declared reserved for vultures. As per survey there are about 150 vultures in the forest area. This report does not include what would happen to vultures, where they would go and what would be impact on Environment. So it is my request that it should not be given Environment Clearance.	The figures are exaggerated beyond proportion. Forest department survey vulture population periodically. This area is not identified by forest department to be eco-sensitive from that prospective.	


S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
	There are approximately 2500-3000 fishermen families. There will be crisis for their livelihood. There is no clarity for rehabilitation and resettlement from Adani. So it is my feeling and request that it should not be given Environment Clearance.	In regard to impact on fisherman, I want to point out the real situation that we are not in the river mouth, but just outside of it. The port development is only in a stretch of 4 km of coast line. We have not displaced any fisherman. The surrounding areas are open for fishing, Nevertheless we have compensated fisherman who were identified by the Gram Panchayat to be active in the areas where we are now operating. As Sushmaben mentioned we will support fisherman by giving them tools, nets etc. and be help full to them	
	Routes to sea are almost closed specifically for Pagadia fishermen who do fishing on foot. There is a big problem of their livelihood. Due to loss of fishing activities now they will not get thousands of crores of rupees which they were supposed to get due to fishing activities. Rs. 15 lacs are not sufficient	The compensation is appropriate because nobody deprived of livelihood & fishing can be continued. Fish catch in the area used to be scanty. Mudskippers do not fetch good market price. Your claims are factually incorrect.	

S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
	compensation for that.		
	This area comes under CRZ-IA. Specific fish called "Levta" grows in the mudflat and fishermen catch that fish in this mud and earn their livelihood. Due to excavation and reclamation there will be damage to biological mud and destruction of marine ecology. EIA report does not have clarity on what actions are required. So it is my feeling and request that it should be clarified in EIA report or not be given Environment Clearance.		
	Before Adani came there was mangrove forest in the area of 40 ha. As per survey today mangroves survive in the area of 15 ha only. Due to destruction of mangrove there will be damage to environment and coastal erosion. This study is not covered in EIA so it is my feeling and request that it should not be given Environment Clearance.	It is clearly shows that whatever allegation made against project is with half knowledge or due to vested interest. There are no mangroves within the port limit. There used to be a mangrove patch of 22ha and the same was reclaimed by M/s. HPPL with due permission of MoEF dated 19 th Feb.' 2007. When Adani took position of the site there was not even single mangrove tree	

S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		available within port limit.	
	Five ports from 15 different companies and two big ports within 5 Km is coming in this area. The cumulative impact on road & rail transport due to operation of both ports i.e. Adani & Essar is not studied while preparing the impacts on land environment. Six-lane-road is also not going to be sufficient for this. So I request that Environment clearance should be given only after doing cumulative study.	There are no five ports in the area, though there are isolated captive jetties in the Tapi River. We are outside river mouth. In fact there are only two ports Magdalla & Hazira.	
	As reported levels of SS & PHC is high as compared to desired levels in water. Levels of pollution in the areas of water, air and land is already high as compared to other locations in the country. EIA report does not have clarity on what steps will be taken to bring down the pollution. So it is my feeling and request that it should not be given Environment Clearance. (It is to be noted that Mr. Jayshbhai Patel belongs to Dihen village which is approximately 18 Km away from the port)	In Marine EIA & Terrestrial EIA reports, it is clearly mentioned the baseline date, Pollution levels are within the limit, except AAQ recorded high in Hazira village that is due to other industrial activities.	Closed. 
8	Employment is given to 30-35 people in the form of contract but we insist that	Though employment was given on contract basis,	Closed.

S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
	it should be permanent in nature.	his/her performance will be rated based on the performance decision would be taken.	
	For this liquid cargo transport, it will be storage of chemicals or processing of chemicals? If it is processing then hazards will increase so I request to provide information on what measures Adani will take for health and safety?	There is no processing envisaged in the project. It's a commercial port and we are entitled to only handle the commodities. However Oil spill response plan and Disaster Management Plan is in place. Please refer to earlier responses given to other stakeholders.	Closed.
	Please provide information if this project has got any clearance from Central Government like what they have got from State Government.	M/s. HPPL received Environment Clearance in 2003 and further amendment in 2007. The same is transferred to AHPPL. Further our project received Consent to Operate for based on 2003 EC from GPCB. Also received GCZMA recommendations.	Closed.
	Adani has declared only 4-5 villages as affected. Will there not be any impact on Mora, Kawas or Interior of Ichhapur while trucks pass through them?	EIA shows and we believe there would be no significant impact in Mora, Kawas and Ichhapur.	Closed.



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
	There are 10-12 big companies in this area and they have developed residential township with all facilities for their employees. Is it not possible that each company will take one village from 10-12 villages and also provide them same facilities?	This suggestion you might like to address to Hazira Area Development Authority.	
	For this MOU is necessary and matters related to self-employment & development of village should be mentioned. We will be benefited in future only if there will be MOU. (It is to be noted that Mr. Dhansukhbhai Patel belongs to Kawas Village which does not fall within 10 Km. radius of the study area)	This matter should be addressed by Hazira Industrial Development Authority. Who alone can bring all the developers & Industrial units into a common platform	
9	I welcome the expansion project of Adani company. Due to proposed port priority would be given to Hazira and surrounding area for employment and business. I request that fishermen's concerned would be taken care by this project. Adani Foundation of Adani Company has given commitment for the various activities for the development of village. So I welcome the project and declare my support for the Port of Adani Company at Hazira.	Thanks for your support all the concerns raised by you are responded by us in above raised queries. Hope no need to repeat the same. 	Closed.

S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
10	<p>(Collector informed Mohanbhai to raise those issues only which were not raised earlier)</p> <p>Adani Company has told that 700 people will be employed. Please clarify whether it will be permanent or contractual basis? Thousands of people are working on contractual basis in the surrounding companies but nobody gets permanent employment.</p>	<p>This number includes both permanent and contractual employees. Part of staff workers requirement is of temporary nature. Our recruitment would be need based.</p>	
	<p>Then Regional Officer, GPCB again informed the concerned persons to raise other issues if any. The employment issue will be addressed by the company. As per survey carried out by NIO out of 1600 km of Gujarat coast nearly 25% is already filled due to construction of ports at other places. As a consequence of this, there will be huge damage to agriculture in the surrounding area and there would also be ingress of sea water in the area.</p>	<p>Our port is a commercial port and it is not envisaged or allowed it for captive operations. This port water front area covers hardly 4 Km. stretch.</p>	<p>Status unchanged no agriculture land or private land is required for port development nor affected by same.</p>
	<p>Adani Company has decided to pay compensation of Rs. 15 lacs to 40 fishermen but what arrangement company will make for the 4000 fishermen in the surrounding villages?</p>	<p>Company is talking about the fisherman's who were active in our port premises area and AHPPL is not responsible for entire fisher folks in 10 Km</p>	<p>There are no R&R activities required on account Port Project. Adani Foundation is working at reskilling of marginal fishermen as CSR</p>



S. No.	Details of Representation	Response from M/s. AHPPL	Compliance Status
		radius. AHPPL is not stopping them do fishing in other areas.	activities. Fishing is not affected due to port project.
	Adani Company is developing their project on 31428 ha of land. Is this land private or government? If it is on private land then whole Junagam village would be vacated. Survey numbers are also not shown for this land. (It is to be noted that Mr. Mohanbhai Patel belongs to Vaswa village which does not fall within 10 Km radius of the study area)	Please see our port layout in EIA report which clearly indicates total area required for development is 873.27 Hectors and not even single private property is falling within the port development area.	Closed.
11	You all will go away after this public hearing but whom should we contact regarding pollution in our area? Then Collector informed him that regarding pollution he may contact GPCB. Regional Officer, GPCB also informed him that regarding pollution he can submit in writing.	Assurances that we give today would be lasting and not fickle.	Closed.



ANNEXURE 2:**BUDGET FOR CSR AND RURAL INFRASTRUCTURE DEVELOPEMENT ACTIVITIES
FOR THE FY: 2015-16**

CSR & RID ACTIVITIES DURING THE FINANCIAL YEAR - 2015-16		
S. No.	Particulars	Budget (Rs. In Lacs)
A.	Admin. Expenses	1.03
B.	Education	52.47
C.	Community Health	9.47
D.	Sustainable Livelihood Development	62.97
E.	Rural Infrastructure Development	210.47
Grand Total (Rs. In Lacs)		336.41

ANNEXURE 3:**ENVIRONMENT MANAGEMENT BUDGET FOR THE FY: 2015-16**

S. No.	Activity/ Category	Budget (Rs. In Lacs)
1	Environmental Study / Audit and Consultancy	10.42
2	Legal & Statutory Expenses	3.00
3	Environmental Monitoring Services	33.93
4	Mangrove Plantation	69.26
5	Hazardous Waste Management & Disposal	7.00
6	Greenbelt Development and Plantation	150.90
7	O&M of Sewage Treatment Plant and Effluent Treatment Plant	55.77
8	Environment Day Celebration	1.00
9	Treatment and Disposal of Bio-Medical Waste	1.00
Total Environmental Budget (Rs. In Lacs)		332.27



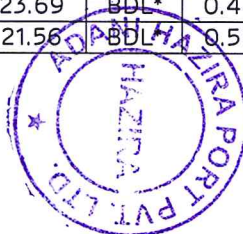
ANNEXURE 4: ENVIRONMENTAL QUALITY MONITORING RESULTS: -**PART - A1: AMBIENT AIR QUALITY MONITORING RESULTS:**

Date of Sampling	Location-1 : Near Port Gate No.: 2											
	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO ₂ µg/m ³	NH ₃ µg/m ³	O ₃ µg/m ³	CO µg/m ³	C ₆ H ₆ µg/m ³	BaP ng/m ³	Pb µg/m ³	As ng/m ³	Ni ng/m ³
02-04-2015	75.5	34.8	17.4	32.4	27.2	BDL*	0.4	14.2	BDL*	BDL*	BDL*	BDL*
03-04-2015	92.4	47.5	22.3	36.4	22.4	BDL*	0.7	28.7	BDL*	BDL*	BDL*	BDL*
09-04-2015	58.4	32.3	19.4	30.2	25.4	BDL*	0.4	46.2	BDL*	BDL*	BDL*	BDL*
10-04-2015	83.6	48.4	21.4	28.4	21.5	BDL*	0.5	32.3	BDL*	BDL*	BDL*	BDL*
16-04-2015	96.5	52.4	15.7	41.4	23.4	BDL*	0.4	18.4	BDL*	BDL*	BDL*	BDL*
17-04-2015	76.5	31.8	9.7	38.7	17.7	BDL*	0.6	20.5	BDL*	BDL*	BDL*	BDL*
23-04-2015	89.5	50.5	26.4	29.4	18.6	BDL*	0.6	54.3	BDL*	BDL*	BDL*	BDL*
24-04-2015	65.5	27.2	12.6	34.5	24.6	BDL*	0.7	45.6	BDL*	BDL*	BDL*	BDL*
29-04-2015	91.4	36.5	24.7	26.5	26.1	BDL*	0.3	32.6	BDL*	BDL*	BDL*	BDL*
30-04-2015	70.2	41.2	10.5	40.5	30.4	BDL*	0.3	47.1	BDL*	BDL*	BDL*	BDL*
08-05-2015	88.7	49.7	23.3	30.5	21.6	BDL*	0.7	34.1	BDL*	BDL*	BDL*	BDL*
09-05-2015	94.5	52.6	16.3	44.5	28.5	0.5	0.7	19.9	BDL*	BDL*	BDL*	BDL*
14-05-2015	68.2	36.5	25.6	37.3	26.4	BDL*	0.8	49.5	BDL*	BDL*	BDL*	BDL*
15-05-2015	92.6	40.3	20.6	42.6	29.8	BDL*	0.9	35.0	BDL*	BDL*	BDL*	BDL*
21-05-2015	79.5	35.4	18.6	34.1	22.6	BDL*	0.4	15.1	BDL*	BDL*	BDL*	BDL*
22-05-2015	89.5	44.6	11.6	39.4	25.6	BDL*	0.6	50.1	BDL*	BDL*	BDL*	BDL*
28-05-2015	90.5	48.4	19.4	32.4	30.6	BDL*	0.7	48.9	BDL*	BDL*	BDL*	BDL*
29-05-2015	87.2	39.5	10.5	41.5	18.4	BDL*	0.7	22.0	BDL*	BDL*	BDL*	BDL*
04-06-2015	96.5	54.7	23.4	38.6	29.6	0.5	0.9	65.6	BDL*	BDL*	BDL*	BDL*
05-06-2015	86.2	45.5	16.5	41.5	26.6	BDL*	0.9	54.5	BDL*	BDL*	BDL*	BDL*
11-06-2015	78.6	40.5	26.4	33.5	23.7	BDL*	0.7	32.6	BDL*	BDL*	BDL*	BDL*
12-06-2015	65.6	43.8	18.2	30.2	25.3	BDL*	0.5	26.5	BDL*	BDL*	BDL*	BDL*
18-06-2015	86.5	52.4	24.5	34.2	27.6	BDL*	0.8	46.5	BDL*	BDL*	BDL*	BDL*
19-06-2015	74.6	36.3	15.5	31.4	29.2	BDL*	0.7	72.5	BDL*	BDL*	BDL*	BDL*
25-06-2015	56.4	23.4	10.6	25.4	24.4	BDL*	0.4	22.4	BDL*	BDL*	BDL*	BDL*
26-06-2015	95.6	53.4	20.6	35.6	26.2	0.6	0.8	62.5	BDL*	BDL*	BDL*	BDL*
02-07-2015	92.4	52.6	21.6	33.8	18.6	BDL*	0.9	59.1	BDL*	BDL*	BDL*	BDL*
03-07-2015	78.4	35.5	19.4	30.1	20.6	BDL*	0.9	42.4	BDL*	BDL*	BDL*	BDL*
09-07-2015	61.4	37.6	16.5	27.2	28.5	BDL*	0.5	23.6	BDL*	BDL*	BDL*	BDL*
10-07-2015	84.5	31.3	23.3	29.5	22.7	BDL*	0.8	49.7	BDL*	BDL*	BDL*	BDL*
16-07-2015	90.4	53.2	15.5	37.5	29.5	BDL*	0.9	45.4	BDL*	BDL*	BDL*	BDL*
17-07-2015	82.6	36.7	18.7	31.9	25.4	BDL*	0.8	57.6	BDL*	BDL*	BDL*	BDL*
23-07-2015	56.2	22.1	12.4	22.7	24.5	BDL*	0.4	19.7	BDL*	BDL*	BDL*	BDL*
24-07-2015	70.6	28.8	9.4	28.2	26.4	BDL*	0.7	65.3	BDL*	BDL*	BDL*	BDL*
29-07-2015	65.2	33.8	12.3	26.5	21.5	BDL*	1.0	35.3	BDL*	BDL*	BDL*	BDL*
30-07-2015	74.3	45.1	10.5	34.9	23.6	BDL*	0.9	40.4	BDL*	BDL*	BDL*	BDL*
06-08-2015	87.6	40.5	20.7	38.5	21.4	BDL*	0.8	46.6	BDL*	BDL*	BDL*	BDL*
07-08-2015	63.5	27.6	18.7	31.5	27.5	BDL*	0.5	20.6	BDL*	BDL*	BDL*	BDL*
13-08-2015	94.5	56.4	16.5	40.4	26.5	BDL*	0.9	41.6	BDL*	BDL*	BDL*	BDL*
14-08-2015	75.1	32.6	10.4	30.4	28.4	BDL*	0.7	58.4	BDL*	BDL*	BDL*	BDL*
20-08-2015	92.5	52.4	24.6	36.5	19.7	BDL*	0.9	38.4	BDL*	BDL*	BDL*	BDL*
21-08-2015	81.8	44.7	21.2	32.5	23.6	BDL*	0.9	31.6	BDL*	BDL*	BDL*	BDL*
27-08-2015	70.6	38.4	13.6	28.4	29.5	BDL*	1.1	35.6	BDL*	BDL*	BDL*	BDL*
28-08-2015	59.2	28.4	13.6	25.5	20.4	BDL*	0.4	17.5	BDL*	BDL*	BDL*	BDL*
03-09-2015	83.0	36.3	18.7	27.5	28.2	BDL*	0.7	68.5	BDL*	BDL*	BDL*	BDL*
04-09-2015	90.5	48.4	21.7	33.4	25.5	BDL*	0.8	44.5	BDL*	BDL*	BDL*	BDL*
10-09-2015	86.5	42.2	12.7	36.8	30.6	BDL*	0.7	36.5	BDL*	BDL*	BDL*	BDL*
11-09-2015	94.2	50.5	19.6	39.4	22.3	BDL*	0.9	51.6	BDL*	BDL*	BDL*	BDL*
17-09-2015	81.5	38.6	25.5	28.2	27.6	BDL*	0.3	19.7	BDL*	BDL*	BDL*	BDL*
18-09-2015	68.4	27.6	11.5	23.6	24.2	BDL*	0.3	21.5	BDL*	BDL*	BDL*	BDL*
24-09-2015	85.5	37.6	16.4	38.4	29.5	BDL*	0.6	35.6	BDL*	BDL*	BDL*	BDL*
25-09-2015	70.6	30.1	23.6	29.6	26.5	BDL*	0.7	48.5	BDL*	BDL*	BDL*	BDL*

*Below Detection Limit

Date of Sampling	Location-2 : Near STP											
	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³	NH ₃ µg/m ³	O ₃ µg/m ³	CO µg/m ³	C ₆ H ₆ µg/m ³	BaP ng/m ³	Pb µg/m ³	As ng/m ³	Ni ng/m ³
02-04-2015	88.5	46.5	19.68	41.46	23.48	BDL*	0.3	49.33	BDL*	BDL*	BDL*	BDL*
03-04-2015	71.1	40.7	12.73	39.52	26.43	BDL*	0.4	52.13	BDL*	BDL*	BDL*	BDL*
09-04-2015	62.4	35.3	15.65	26.3	18.31	BDL*	0.5	38.47	BDL*	BDL*	BDL*	BDL*
10-04-2015	54.2	29.9	24.59	35.39	28.54	BDL*	0.6	44.37	BDL*	BDL*	BDL*	BDL*
16-04-2015	78.5	41.1	21.35	37.44	24.37	BDL*	0.2	56.47	BDL*	BDL*	BDL*	BDL*
17-04-2015	81.5	54.4	18.71	28.31	27.56	BDL*	0.3	36.61	BDL*	BDL*	BDL*	BDL*
23-04-2015	76.4	33.2	23.45	38.44	29.61	BDL*	0.4	48.4	BDL*	BDL*	BDL*	BDL*
24-04-2015	89.5	44.9	10.44	40.23	19.15	BDL*	0.5	39.71	BDL*	BDL*	BDL*	BDL*
29-04-2015	72.8	29.1	16.41	35.54	30.4	BDL*	0.6	25.75	BDL*	BDL*	BDL*	BDL*
30-04-2015	84.6	32.4	14.12	36.45	28.3	BDL*	0.2	30.41	BDL*	BDL*	BDL*	BDL*
08-05-2015	94.5	39.5	26.7	34.62	30.44	BDL*	0.8	47.47	BDL*	BDL*	BDL*	BDL*
09-05-2015	83.7	49.4	22.68	40.65	25.64	BDL*	0.3	60.81	BDL*	BDL*	BDL*	BDL*
14-05-2015	93.5	40.7	10.9	42.83	29.38	BDL*	0.7	43.13	BDL*	BDL*	BDL*	BDL*
15-05-2015	77.5	50.7	17.61	37.29	26.28	10.3	0.8	27.3	BDL*	0.6	BDL*	BDL*
21-05-2015	86.5	42.8	21.05	44.63	24.75	BDL*	0.3	53.37	BDL*	BDL*	BDL*	BDL*
22-05-2015	74.5	32.4	14.98	35.29	20.34	BDL*	0.6	31.65	BDL*	BDL*	BDL*	BDL*
28-05-2015	96.5	54.4	23.45	28.52	19.66	BDL*	0.6	41.27	BDL*	BDL*	BDL*	BDL*
29-05-2015	78.5	35.7	18.41	30.18	28.23	BDL*	0.5	39.71	BDL*	BDL*	BDL*	BDL*
04-06-2015	85.4	48.4	28.6	44.55	27.36	BDL*	0.8	37.5	BDL*	BDL*	BDL*	BDL*
05-06-2015	90.6	51.3	18.45	37.48	30.33	BDL*	0.6	42.6	BDL*	BDL*	BDL*	BDL*
11-06-2015	83.6	46.3	21.26	30.55	28.23	BDL*	0.8	38.2	BDL*	BDL*	BDL*	BDL*
12-06-2015	75.6	49.6	15.72	26.68	29.01	BDL*	0.3	31.4	BDL*	BDL*	BDL*	BDL*
18-06-2015	81.5	44.2	27.71	32.6	25.79	BDL*	0.7	60.5	BDL*	BDL*	BDL*	BDL*
19-06-2015	91.5	56.3	19.64	36.54	23.52	BDL*	0.6	56.4	BDL*	BDL*	BDL*	BDL*
25-06-2015	62.4	28.4	16.52	22.39	26.6	BDL*	0.5	27.5	BDL*	BDL*	BDL*	BDL*
26-06-2015	77.8	33.4	23.48	29.58	24.59	BDL*	0.6	76.4	BDL*	BDL*	BDL*	BDL*
02-07-2015	81.3	48.4	25.43	40.77	21.36	BDL*	0.8	34.44	BDL*	BDL*	BDL*	BDL*
03-07-2015	72.4	43.8	27.51	28.83	25.2	BDL*	0.8	52.35	BDL*	BDL*	BDL*	BDL*
09-07-2015	69.6	32.5	13.55	24.81	19.65	BDL*	0.3	29.47	BDL*	BDL*	BDL*	BDL*
10-07-2015	78.7	29.2	18.59	27.91	28.31	BDL*	0.9	35.08	BDL*	BDL*	BDL*	BDL*
16-07-2015	83.4	47.1	16.47	34.23	27.29	BDL*	0.7	39.55	BDL*	BDL*	BDL*	BDL*
17-07-2015	89.1	50.5	21.32	26.76	29.55	BDL*	0.7	68.64	BDL*	BDL*	BDL*	BDL*
23-07-2015	67.0	25.5	20.3	20.44	26.41	BDL*	0.5	26.35	BDL*	BDL*	BDL*	BDL*
24-07-2015	84.2	34.6	15.7	33.4	24.79	BDL*	0.6	50.67	BDL*	BDL*	BDL*	BDL*
29-07-2015	61.3	29.2	20.61	30.25	23.58	BDL*	0.8	27.69	BDL*	BDL*	BDL*	BDL*
30-07-2015	82.6	52.6	13.46	42.27	20.45	BDL*	0.7	25.64	BDL*	BDL*	BDL*	BDL*
06-08-2015	94.0	52.6	23.44	29.02	30.45	BDL*	0.7	58.7	BDL*	BDL*	BDL*	BDL*
07-08-2015	72.5	34.6	14.51	27.15	20.92	BDL*	0.3	25.88	BDL*	BDL*	BDL*	BDL*
13-08-2015	84.5	42.6	18.64	37.47	29.38	BDL*	0.7	33.45	BDL*	BDL*	BDL*	BDL*
14-08-2015	91.4	50.5	17.55	34.51	21.48	BDL*	0.6	42.29	BDL*	BDL*	BDL*	BDL*
20-08-2015	86.5	48.4	27.42	44.55	22.53	BDL*	0.9	54.6	BDL*	BDL*	BDL*	BDL*
21-08-2015	77.9	40.5	30.35	38.47	26.53	BDL*	0.7	48.6	BDL*	BDL*	BDL*	BDL*
27-08-2015	65.4	29.2	21.3	32.14	24.34	BDL*	0.9	26.51	BDL*	BDL*	BDL*	BDL*
28-08-2015	82.6	35.9	22.45	22.62	28.59	BDL*	0.5	21.46	BDL*	BDL*	BDL*	BDL*
03-09-2015	96.5	49.6	16.69	31.48	25.61	BDL*	0.4	47.44	BDL*	BDL*	BDL*	BDL*
04-09-2015	82.4	38.4	23.52	42.54	28.58	BDL*	0.6	62.63	BDL*	BDL*	BDL*	BDL*
10-09-2015	70.1	26.7	18.72	32.56	24.48	BDL*	0.6	30.39	BDL*	BDL*	BDL*	BDL*
11-09-2015	86.7	46.3	21.36	35.52	29.19	BDL*	0.7	67.59	BDL*	BDL*	BDL*	BDL*
17-09-2015	72.5	35.5	20.46	24.76	26.43	BDL*	0.3	23.25	BDL*	BDL*	BDL*	BDL*
18-09-2015	62.5	25.5	14.33	20.6	22.44	BDL*	0.2	29.76	BDL*	BDL*	BDL*	BDL*
24-09-2015	79.5	30.5	19.38	29.39	23.69	BDL*	0.4	55.5	BDL*	BDL*	BDL*	BDL*
25-09-2015	84.5	40.5	26.53	34.42	21.56	BDL*	0.5	37.52	BDL*	BDL*	BDL*	BDL*

*Below Detection Limit



Date of Sampling	Location - 3 : Central Water Pump House											
	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NOx µg/m ³	NH ₃ µg/m ³	O ₃ µg/m ³	CO µg/m ³	C ₆ H ₆ µg/m ³	BaP ng/m ³	Pb µg/m ³	As ng/m ³	Ni ng/m ³
02-04-2015	63.4	27.6	10.43	26.73	23.52	BDL*	0.1	22.42	BDL*	BDL*	BDL*	BDL*
03-04-2015	51.4	23.2	18.68	18.56	20.51	BDL*	0.3	44.83	BDL*	BDL*	BDL*	BDL*
09-04-2015	72.8	40.2	21.35	33.39	28.5	BDL*	0.5	30.71	BDL*	BDL*	BDL*	BDL*
10-04-2015	68.5	36.6	11.38	22.65	19.45	BDL*	0.3	26.71	BDL*	BDL*	BDL*	BDL*
16-04-2015	54.5	32.0	9.42	34.17	21.47	BDL*	0.2	34.7	BDL*	BDL*	BDL*	BDL*
17-04-2015	70.2	32.5	13.36	20.55	24.62	BDL*	0.4	14.43	BDL*	BDL*	BDL*	BDL*
23-04-2015	69.5	24.5	15.74	36.72	25.63	BDL*	0.5	28.86	BDL*	BDL*	BDL*	BDL*
24-04-2015	77.4	36.7	19.43	32.63	27.55	BDL*	0.4	31.63	BDL*	BDL*	BDL*	BDL*
29-04-2015	58.6	24.6	8.61	21.48	22.79	BDL*	0.3	47.59	BDL*	BDL*	BDL*	BDL*
30-04-2015	74.5	39.3	5.99	19.61	26.76	BDL*	0.4	18.73	BDL*	BDL*	BDL*	BDL*
08-05-2015	71.5	44.9	12.3	24.69	24.1	BDL*	0.4	28.56	BDL*	BDL*	BDL*	BDL*
09-05-2015	56.8	23.6	10.2	37.44	22.71	BDL*	0.3	36.85	BDL*	BDL*	BDL*	BDL*
14-05-2015	78.6	39.3	21.17	34.48	20.53	BDL*	0.5	35	BDL*	BDL*	BDL*	BDL*
15-05-2015	61.9	25.7	9.47	23.53	23.6	BDL*	0.3	50.36	BDL*	BDL*	BDL*	BDL*
21-05-2015	73.5	32.4	11.48	28.4	26	BDL*	0.2	24.26	BDL*	BDL*	BDL*	BDL*
22-05-2015	66.5	38.5	6.27	20.65	28.72	BDL*	0.5	19.96	BDL*	BDL*	BDL*	BDL*
28-05-2015	55.5	29.4	16.36	36.79	21.47	BDL*	0.5	33.78	BDL*	BDL*	BDL*	BDL*
29-05-2015	82.5	46.3	14.44	22.49	26.49	BDL*	0.3	15.35	BDL*	BDL*	BDL*	BDL*
04-06-2015	65.4	32.3	20.4	31.5	23.4	BDL*	0.4	33.4	BDL*	BDL*	BDL*	BDL*
05-06-2015	78.5	42.4	12.58	30.38	20.35	BDL*	0.6	29.4	BDL*	BDL*	BDL*	BDL*
11-06-2015	71.5	35.3	14.28	28.19	25.33	BDL*	0.4	26.4	BDL*	BDL*	BDL*	BDL*
12-06-2015	60.2	30.7	10.33	23.44	19.12	BDL*	0.2	21.5	BDL*	BDL*	BDL*	BDL*
18-06-2015	68.4	38.3	13.56	29.23	26.64	BDL*	0.5	40.6	BDL*	BDL*	BDL*	BDL*
19-06-2015	56.5	26.6	17.49	26.35	28.24	BDL*	0.4	28.4	BDL*	BDL*	BDL*	BDL*
25-06-2015	42.5	16.4	8.48	19.22	18.55	BDL*	0.2	18.4	BDL*	BDL*	BDL*	BDL*
26-06-2015	52.7	29.6	15.65	32.22	22.29	BDL*	0.6	24.3	BDL*	BDL*	BDL*	BDL*
02-07-2015	60.1	35.3	17.68	28.94	25.42	BDL*	0.4	29.3	BDL*	BDL*	BDL*	BDL*
03-07-2015	66.5	32.7	13.42	25.25	28.64	BDL*	0.5	33.53	BDL*	BDL*	BDL*	BDL*
09-07-2015	55.3	21.2	8.46	20.96	22.54	BDL*	0.2	19.5	BDL*	BDL*	BDL*	BDL*
10-07-2015	62.8	25.6	12.55	24.82	23.71	BDL*	0.4	24.21	BDL*	BDL*	BDL*	BDL*
16-07-2015	72.1	40.5	11.34	27.11	17.57	BDL*	0.6	27.3	BDL*	BDL*	BDL*	BDL*
17-07-2015	68.9	25.7	14.63	29.05	26.47	BDL*	0.6	21.8	BDL*	BDL*	BDL*	BDL*
23-07-2015	49.4	19.0	16.31	16.52	21.56	BDL*	0.2	16.51	BDL*	BDL*	BDL*	BDL*
24-07-2015	52.5	22.1	7.62	23.74	27.39	BDL*	0.5	25.19	BDL*	BDL*	BDL*	BDL*
29-07-2015	53.4	26.6	16.35	19.37	20.63	BDL*	0.7	22.97	BDL*	BDL*	BDL*	BDL*
30-07-2015	48.3	36.7	18.55	26.87	18.59	BDL*	0.5	18.26	BDL*	BDL*	BDL*	BDL*
06-08-2015	72.4	37.1	15.33	32.71	28.88	BDL*	0.5	28.49	BDL*	BDL*	BDL*	BDL*
07-08-2015	56.3	25.2	9.66	22.68	23.59	BDL*	0.2	16.9	BDL*	BDL*	BDL*	BDL*
13-08-2015	75.0	42.4	12.43	30.42	19.58	BDL*	0.5	26.29	BDL*	BDL*	BDL*	BDL*
14-08-2015	55.1	23.4	8.32	25.73	25.51	BDL*	0.3	20.66	BDL*	BDL*	BDL*	BDL*
20-08-2015	61.3	32.8	18.35	31.62	27.84	BDL*	0.3	25.36	BDL*	BDL*	BDL*	BDL*
21-08-2015	70.5	26.6	14.43	28.56	17.62	BDL*	0.5	35.37	BDL*	BDL*	BDL*	BDL*
27-08-2015	54.5	23.4	19.5	20.6	20.61	BDL*	0.6	21.29	BDL*	BDL*	BDL*	BDL*
28-08-2015	70.5	29.6	17.32	18.53	22.42	BDL*	0.2	14.09	BDL*	BDL*	BDL*	BDL*
03-09-2015	58.7	27.5	9.59	22.61	22.22	BDL*	0.2	20.61	BDL*	BDL*	BDL*	BDL*
04-09-2015	64.8	30.5	16.78	29.5	26.73	BDL*	0.3	38.44	BDL*	BDL*	BDL*	BDL*
10-09-2015	76.5	36.7	8.81	27.43	23.32	BDL*	0.4	25.53	BDL*	BDL*	BDL*	BDL*
11-09-2015	68.5	29.4	17.61	30.42	25.31	BDL*	0.4	34.44	BDL*	BDL*	BDL*	BDL*
17-09-2015	60.5	23.4	15.42	20.55	18.52	BDL*	0.1	16.61	BDL*	BDL*	BDL*	BDL*
18-09-2015	56.5	19.6	7.44	18.48	20.54	BDL*	0.1	18.76	BDL*	BDL*	BDL*	BDL*
24-09-2015	62.7	25.6	13.38	28.47	27.72	BDL*	0.3	42.44	BDL*	BDL*	BDL*	BDL*
25-09-2015	77.5	34.0	10.35	23.42	24.5	BDL*	0.3	29.52	BDL*	BDL*	BDL*	BDL*

*Below detection limit

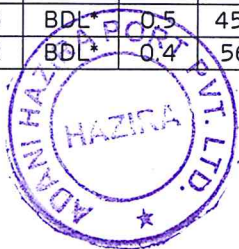


Date of Sampling	Location - 4 : Container Terminal											
	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³	NH ₃ µg/m ³	O ₃ µg/m ³	CO µg/m ³	C ₆ H ₆ µg/m ³	BaP ng/m ³	Pb µg/m ³	As ng/m ³	Ni ng/m ³
02-04-2015	50.5	22.7	6.61	19.53	18.59	BDL*	0.2	34.26	BDL*	BDL*	BDL*	BDL*
03-04-2015	65.6	29.9	10.36	32.73	24.43	BDL*	0.3	16.39	BDL*	BDL*	BDL*	BDL*
09-04-2015	47.2	20.6	12.45	23.45	20.72	BDL*	0.2	22.64	BDL*	BDL*	BDL*	BDL*
10-04-2015	82.7	43.7	19.24	38.28	17.69	BDL*	0.2	38.73	BDL*	BDL*	BDL*	BDL*
16-04-2015	60.1	26.5	7.48	29.56	27.32	BDL*	0.1	42.3	BDL*	BDL*	BDL*	BDL*
17-04-2015	52.5	29.0	15.32	31.6	22.7	BDL*	0.4	18.47	BDL*	BDL*	BDL*	BDL*
23-04-2015	61.5	27.8	9.56	24.47	28.75	BDL*	0.3	36.35	BDL*	BDL*	BDL*	BDL*
24-04-2015	58.1	24.4	16.67	21.57	25.31	BDL*	0.3	12.51	BDL*	BDL*	BDL*	BDL*
29-04-2015	68.6	42.8	18.3	33.48	19.37	BDL*	0.4	20.56	BDL*	BDL*	BDL*	BDL*
30-04-2015	56.6	25.6	12.8	26.16	23.34	BDL*	0.4	21.75	BDL*	BDL*	BDL*	BDL*
08-05-2015	58.6	28.1	20.96	41.84	18.31	BDL*	0.2	42.3	BDL*	BDL*	BDL*	BDL*
09-05-2015	65.3	32.5	8.37	26.53	20.08	BDL*	0.2	46.77	BDL*	BDL*	BDL*	BDL*
14-05-2015	70.5	26.5	5.44	23.17	24.59	BDL*	0.4	13.7	BDL*	BDL*	BDL*	BDL*
15-05-2015	52.6	23.9	12.78	35.2	21.54	BDL*	0.5	22.05	BDL*	BDL*	BDL*	BDL*
21-05-2015	68.5	29.4	7.45	21.2	19.22	BDL*	0.3	37.54	BDL*	BDL*	BDL*	BDL*
22-05-2015	54.5	22.7	9.56	30.37	23.21	BDL*	0.2	17.88	BDL*	BDL*	BDL*	BDL*
28-05-2015	64.2	35.9	13.4	25.47	25.12	BDL*	0.2	24.13	BDL*	BDL*	BDL*	BDL*
29-05-2015	56.5	25.6	16.98	34.63	22.78	BDL*	0.2	20.26	BDL*	BDL*	BDL*	BDL*
04-06-2015	58.5	29.4	15.53	28.35	21.37	BDL*	0.5	29.6	BDL*	BDL*	BDL*	BDL*
05-06-2015	72.6	39.7	14.04	33.44	24.4	BDL*	0.3	25.6	BDL*	BDL*	BDL*	BDL*
11-06-2015	66.4	32.8	9.64	23.63	19.32	BDL*	0.3	22.6	BDL*	BDL*	BDL*	BDL*
12-06-2015	55.5	24.4	7.52	20.28	22.51	BDL*	0.3	17.8	BDL*	BDL*	BDL*	BDL*
18-06-2015	62.6	28.6	8.46	26.42	18.44	BDL*	0.4	32.8	BDL*	BDL*	BDL*	BDL*
19-06-2015	65.5	31.5	10.5	24.37	25.65	BDL*	0.2	20.6	BDL*	BDL*	BDL*	BDL*
25-06-2015	48.5	20.7	5.41	16.4	20.46	BDL*	0.1	12.6	BDL*	BDL*	BDL*	BDL*
26-06-2015	60.3	37.4	12.35	25.28	27.28	BDL*	0.2	24.7	BDL*	BDL*	BDL*	BDL*
02-07-2015	52.4	29.0	13.59	25.03	28.3	BDL*	0.6	24.78	BDL*	BDL*	BDL*	BDL*
03-07-2015	61.3	23.2	7.5	22.66	26.81	BDL*	0.4	28.89	BDL*	BDL*	BDL*	BDL*
09-07-2015	50.3	26.5	6.68	17.3	25.34	BDL*	0.3	16.03	BDL*	BDL*	BDL*	BDL*
10-07-2015	70.1	31.1	8.32	20.51	19.53	BDL*	0.3	18.47	BDL*	BDL*	BDL*	BDL*
16-07-2015	64.3	34.0	12.67	18.37	24.18	BDL*	0.3	23.31	BDL*	BDL*	BDL*	BDL*
17-07-2015	55.2	21.4	10.39	23.6	22.38	BDL*	0.2	17.69	BDL*	BDL*	BDL*	BDL*
23-07-2015	42.8	16.0	11.49	15.17	17.51	BDL*	0.1	11.47	BDL*	BDL*	BDL*	BDL*
24-07-2015	59.3	25.6	5.44	21.08	20.62	BDL*	0.2	19.6	BDL*	BDL*	BDL*	BDL*
29-07-2015	48.6	28.6	11.34	16.34	18.28	BDL*	0.4	15.76	BDL*	BDL*	BDL*	BDL*
30-07-2015	65.4	27.7	7.54	24.89	16.55	BDL*	0.3	13.7	BDL*	BDL*	BDL*	BDL*
06-08-2015	65.5	33.6	18.57	24.48	24.38	BDL*	0.2	16.42	BDL*	BDL*	BDL*	BDL*
07-08-2015	50.5	22.8	7.39	19.25	17.48	BDL*	0.3	11.46	BDL*	BDL*	BDL*	BDL*
13-08-2015	67.6	36.5	13.62	26.53	23.41	BDL*	0.3	19.52	BDL*	BDL*	BDL*	BDL*
14-08-2015	60.5	28.6	6.59	22.76	21.67	BDL*	0.2	16.11	BDL*	BDL*	BDL*	BDL*
20-08-2015	55.1	21.4	14.74	27.83	19.6	BDL*	0.5	20.45	BDL*	BDL*	BDL*	BDL*
21-08-2015	63.3	30.2	8.65	25.14	28.73	BDL*	0.4	23.54	BDL*	BDL*	BDL*	BDL*
27-08-2015	61.5	27.4	11.43	17.42	26.28	BDL*	0.4	17.66	BDL*	BDL*	BDL*	BDL*
28-08-2015	66.5	32.3	12.63	15.54	18.54	BDL*	0.1	10.53	BDL*	BDL*	BDL*	BDL*
03-09-2015	78.4	31.5	7.35	18.63	19.58	BDL*	0.2	18.57	BDL*	BDL*	BDL*	BDL*
04-09-2015	56.8	27.4	13.66	25.45	22.78	BDL*	0.4	28.61	BDL*	BDL*	BDL*	BDL*
10-09-2015	63.4	30.7	10.46	23.57	17.6	BDL*	0.2	20.7	BDL*	BDL*	BDL*	BDL*
11-09-2015	70.5	38.2	14.34	19.65	27.28	BDL*	0.3	19.48	BDL*	BDL*	BDL*	BDL*
17-09-2015	68.6	26.5	11.35	17.11	20.31	BDL*	0.2	11.57	BDL*	BDL*	BDL*	BDL*
18-09-2015	50.5	15.5	5.61	15.5	18.15	BDL*	0.2	13.7	BDL*	BDL*	BDL*	BDL*
24-09-2015	72.4	34.6	8.67	22.49	25.77	BDL*	0.3	27.39	BDL*	BDL*	BDL*	BDL*
25-09-2015	65.5	28.6	12.72	26.47	23.55	BDL*	0.2	21.61	BDL*	BDL*	BDL*	BDL*

*Below Detection Limit

Date of Sampling	Location-5 : Hazira Village											
	PM ₁₀ µg/m ³	PM _{2.5} µg/m ³	SO ₂ µg/m ³	NO _x µg/m ³	NH ₃ µg/m ³	O ₃ µg/m ³	CO µg/m ³	C ₆ H ₆ µg/m ³	BaP ng/m ³	Pb µg/m ³	As ng/m ³	Ni ng/m ³
02-04-2015	95.5	53.2	23.29	37.38	20.63	BDL*	0.4	54.46	BDL*	BDL*	BDL*	BDL*
03-04-2015	56.5	37.7	15.69	26.45	29.58	BDL*	0.5	36.91	BDL*	BDL*	BDL*	BDL*
09-04-2015	86.5	45.6	25.41	36.61	22.86	BDL*	0.6	26.62	BDL*	BDL*	BDL*	BDL*
10-04-2015	60.5	28.5	17.37	42.56	25.48	BDL*	0.4	51.43	BDL*	BDL*	BDL*	BDL*
16-04-2015	83.9	49.4	12.57	30.25	18.68	BDL*	0.5	46.59	BDL*	BDL*	BDL*	BDL*
17-04-2015	91.5	42.7	26.57	34.98	29.52	BDL*	0.5	28.74	BDL*	BDL*	BDL*	BDL*
23-04-2015	82.6	34.3	18.32	45.55	26.64	BDL*	0.4	34.49	BDL*	BDL*	BDL*	BDL*
24-04-2015	70.6	21.4	22.64	28.64	21.51	BDL*	0.3	21.48	BDL*	BDL*	BDL*	BDL*
29-04-2015	88.6	55.3	13.09	38.65	28.7	BDL*	0.5	38.42	BDL*	BDL*	BDL*	BDL*
30-04-2015	94.2	46.5	20.61	32.55	19.66	BDL*	0.3	42.36	BDL*	BDL*	BDL*	BDL*
08-05-2015	65.4	41.5	18.2	44.32	26.72	BDL*	0.5	56.27	BDL*	BDL*	BDL*	BDL*
09-05-2015	90.6	50.2	13.47	32.57	29.55	10.2	0.6	49.01	BDL*	0.6	BDL*	BDL*
14-05-2015	87.5	44.4	23.71	35.41	25.68	BDL*	0.4	23.3	BDL*	BDL*	BDL*	BDL*
15-05-2015	82.6	54.4	14.62	40.58	20.44	10.9	0.6	39.94	BDL*	0.6	BDL*	BDL*
21-05-2015	92.6	48.6	24.49	39.52	28.33	BDL*	0.5	57.79	BDL*	BDL*	BDL*	BDL*
22-05-2015	80.6	40.2	21.59	41.57	22.37	BDL*	0.4	45.38	BDL*	BDL*	BDL*	BDL*
28-05-2015	76.5	43.5	28.56	37.58	24.44	BDL*	0.7	29.04	BDL*	BDL*	BDL*	BDL*
29-05-2015	94.6	52.8	25.38	28.55	30.65	BDL*	0.6	30.25	BDL*	BDL*	BDL*	BDL*
04-06-2015	92.6	56.4	25.49	40.53	25.63	BDL*	0.8	72.6	BDL*	0.5	BDL*	BDL*
05-06-2015	95.5	53.4	21.45	35.42	28.4	BDL*	0.8	66.5	BDL*	BDL*	BDL*	BDL*
11-06-2015	89.6	49.6	23.24	38.68	30.43	BDL*	0.6	44.5	BDL*	BDL*	BDL*	BDL*
12-06-2015	70.6	44.4	13.33	28.56	24.2	BDL*	0.4	38.4	BDL*	BDL*	BDL*	BDL*
18-06-2015	94.5	41.0	20.39	39.57	21.63	BDL*	0.6	56.8	BDL*	BDL*	BDL*	BDL*
19-06-2015	79.5	38.5	22.61	33.6	26.33	BDL*	0.4	65.5	BDL*	BDL*	BDL*	BDL*
25-06-2015	68.7	31.6	12.71	29.45	22.58	BDL*	0.4	32.4	BDL*	BDL*	BDL*	BDL*
26-06-2015	84.3	50.0	26.67	37.38	29.42	BDL*	0.8	70.6	BDL*	0.5	BDL*	BDL*
02-07-2015	95.7	57.7	22.38	36.47	22.5	BDL*	0.9	65.95	BDL*	BDL*	BDL*	BDL*
03-07-2015	81.4	47.9	24.31	34.64	18.71	BDL*	0.6	51.6	BDL*	BDL*	BDL*	BDL*
09-07-2015	74.4	40.2	12.38	31.45	27.58	BDL*	0.4	35.65	BDL*	BDL*	BDL*	BDL*
10-07-2015	96.5	48.3	21.33	35.99	29.9	BDL*	0.6	41.04	BDL*	BDL*	BDL*	BDL*
16-07-2015	84.2	52.6	19.33	30.55	21.46	BDL*	0.8	56.86	BDL*	BDL*	BDL*	BDL*
17-07-2015	93.4	42.3	25.6	32.59	24.67	BDL*	0.8	62.72	BDL*	BDL*	BDL*	BDL*
23-07-2015	62.4	25.6	23.47	25.71	23.55	BDL*	0.3	29.76	BDL*	BDL*	BDL*	BDL*
24-07-2015	71.6	38.5	11.31	29.3	28.56	BDL*	0.4	58.19	BDL*	BDL*	BDL*	BDL*
29-07-2015	70.0	35.5	17.51	34.52	26.5	BDL*	0.7	42.66	BDL*	BDL*	BDL*	BDL*
30-07-2015	85.3	41.5	16.31	31.63	25.63	BDL*	0.5	36.59	BDL*	BDL*	BDL*	BDL*
06-08-2015	95.7	48.7	27.44	35.75	26.63	BDL*	0.7	50.54	BDL*	BDL*	BDL*	BDL*
07-08-2015	78.6	35.5	13.42	37.49	29.57	BDL*	0.4	30.26	BDL*	BDL*	BDL*	BDL*
13-08-2015	86.2	46.6	20.69	33.26	27.62	BDL*	0.8	47.42	BDL*	BDL*	BDL*	BDL*
14-08-2015	80.6	40.6	12.37	39.46	30.94	BDL*	0.4	52.42	BDL*	BDL*	BDL*	BDL*
20-08-2015	96.1	56.4	24.33	41.51	24.32	BDL*	0.8	46.49	BDL*	BDL*	BDL*	BDL*
21-08-2015	85.0	47.4	26.55	36.7	19.74	BDL*	0.6	39.31	BDL*	BDL*	BDL*	BDL*
27-08-2015	76.5	31.2	18.52	38.42	28.45	BDL*	0.8	48.36	BDL*	BDL*	BDL*	BDL*
28-08-2015	90.6	45.7	25.6	28.56	25.37	BDL*	0.3	26.83	BDL*	BDL*	BDL*	BDL*
03-09-2015	89.5	40.6	11.33	34.58	29.31	BDL*	0.2	60.69	BDL*	BDL*	BDL*	BDL*
04-09-2015	95.5	53.4	18.51	37.53	30.43	BDL*	0.9	52.72	BDL*	BDL*	BDL*	BDL*
10-09-2015	82.5	47.4	16.64	29.7	27.82	BDL*	0.5	64.37	BDL*	BDL*	BDL*	BDL*
11-09-2015	78.6	42.3	25.51	42.56	20.69	BDL*	0.6	58.55	BDL*	BDL*	BDL*	BDL*
17-09-2015	86.6	45.7	23.41	33.6	23.74	BDL*	0.4	30.65	BDL*	BDL*	BDL*	BDL*
18-09-2015	74.5	32.5	9.61	26.66	25.23	BDL*	0.2	36.17	BDL*	BDL*	BDL*	BDL*
24-09-2015	93.6	50.4	21.63	32.26	26.83	BDL*	0.5	45.67	BDL*	BDL*	BDL*	BDL*
25-09-2015	88.6	46.6	19.61	38.67	28.82	BDL*	0.4	56.4	BDL*	BDL*	BDL*	BDL*

*Below Detection Limit



PART - A2: DG SETS STACK EMISSION MONITORING RESULTS:

S. No.	Sampling Location	April'2015					August'2015				
		Particulate Matter	Sulphur Dioxide as SO ₂	Oxides of Nitrogen as NO _x	Carbon Monoxide (CO)	Non Methyl Hydro Carbon (NMHC)	Particulate Matter	Sulfur Dioxide as SO ₂	Oxides of Nitrogen as NO _x	Carbon Monoxide (CO)	Non Methyl Hydro Carbon (NMHC)
1	DG Set Toyo Denki -1	46.49	7.47	34.51	5.73	BDL*	36.84	4.53	32.76	6.48	BDL*
2	DG Set Toyo Denki -2	38.60	5.57	28.54	4.58	BDL*	28.68	3.83	32.54	7.36	BDL*
3	DG Set Toyo Denki -3	26.50	3.71	32.22	6.87	BDL*	32.42	6.55	36.47	5.00	BDL*

PART - B: SEA WATER QUALITY ANALYSIS REPORT:**Location No.- 1: CB-2 End Towards Land Side (South Side from Sea Basin)**

S. No.	Test Parameters	Unit	Apr-15		May-15		Jun-15		Jul-15		Aug-15		Sep-15	
			SW	BW	SW	BW	SW	BW	SW	BW	SW	BW	SW	BW
1	pH	--	8.06	8.15	8.12	8.28	8.2	8.32	7.9	7.94	7.90	7.97	7.96	7.89
2	Temperature	°C	30	31	30	31	30	31	20	30	29	30	29	30
3	Total Suspended Solids	mg/L	240	290	370	460	310	370	210	290	200	280	320	360
4	DO (at 27 °C)	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
5	Dissolved Oxygen	mg/L	5.1	4.5	6.2	5.4	5.6	4.8	5.4	4.4	5.8	4.8	5.6	4.6
6	Salinity	ppt	35.6	36.1	33.25	34.1	34.92	35.1	35.28	36.08	34.58	35.21	35.06	35.94
7	Oil & Grease	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
8	Nitrate as NO ₃	mg/L	0.05	0.064	0.036	0.042	0.044	0.053	0.052	0.066	0.046	0.061	0.029	0.047
9	Nitrite as NO ₂	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
10	Ammonical Nitrogen as NH ₃	mg/L	1.8	4.2	1.4	3.18	1.6	3.5	1.8	3.9	1.61	3.97	1.36	2.88
11	Phosphates as PO ₄	mg/L	3.8	4.1	3.28	3.74	3.54	3.97	2.92	3.1	2.34	3.06	2.02	3.65
12	Total Nitrogen	mg/L	1.85	4.264	1.43	3.78	1.67	3.61	1.9	4.02	1.656	4.03	1.39	2.92
13	Petroleum	µg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*

4

20.1	Total Bacterial Count	CFU/ml	1620	1750	1227	1581	2400	1750	1725	1320	2200	1680	1480	1150
20.2	Total Coliform	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.3	E. coli	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.4	Enterococcus species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.7	Vibrio species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent

BW: Bottom Water

SW: Surface Water

BDL*: Below Detection Limit

Location No.- 2: MPB-1 End Towards Channel (West Side from Sea Basin)

S. No.	Test Parameters	Unit	Apr-15		May-15		Jun-15		Jul-15		Aug-15		Sep-15	
			SW	BW	SW	BW	SW	BW	SW	BW	SW	BW	SW	BW
1	pH	--	8.12	8.21	8.05	8.33	8.19	8.38	8.28	8.42	7.96	7.94	8.02	8.13
2	Temperature	°C	31	31	30	30	31	31	30	30	29	30	28	29
3	Total Suspended Solids	mg/L	260	340	220	300	240	320	318	380	270	350	226	318
4	BOD (3 Days @ 27 °C)	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
5	Dissolved Oxygen	mg/L	5.6	4.6	5.8	4.8	5.4	4	5.8	4.6	5.4	4.2	5.8	4.6
6	Salinity	ppt	35.2	36.2	34.6	35.4	34.96	35.88	33.94	34.56	32.8	33.76	34.82	35.38
7	Oil & Grease	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
8	Nitrate as NO ₃	mg/L	0.06	0.082	0.04	0.06	0.084	0.098	0.034	0.054	0.05	0.074	0.044	0.059
9	Nitrite as NO ₂	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
10	Ammonical Nitrogen as NH ₃	mg/L	2.4	4.7	3.2	5.6	2.8	5.4	3.2	5.8	3.8	5.2	2.6	3.4
11	Phosphates as PO ₄	mg/L	3.2	4.6	2.6	3.4	2.5	4	2	3.6	2.4	3.6	2.2	3.4
12	Total Nitrogen	mg/L	2.46	4.78	3.24	3.46	2.9	5.31	3.23	5.85	3.42	5.26	2.64	3.46
13	Petroleum Hydrocarbon	µg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
14	Total Dissolved Solids	mg/L	42710	43240	42920	43870	43010	43560	41750	42010	39790	40820	44306	45006
15	COD	mg/L	30	32	26	28	22	24	22	26	24	28	28	24

16	Oxidisable Particular Organic Carbon	%	0.9	0.4	1	0.5	0.7	0.4	0.9	0.6	0.7	0.5	0.8	0.6
A Flora and Fauna														
17	Primary Productivity	mgC/L/day	2.28	1.44	2.92	1.35	2.7	1.35	2.25	0.9	1.68	0.338	1.463	0.113
B Phytoplankton														
18.1	Chlorophyll	mg/m ³	3.84	2.13	2.05	1.94	2.51	1.38	2.136	0.214	1.73	0.267	1.97	0.294
18.2	Phaeophytin	mg/m ³	BDL*	0.331	0.44	0.648	0.069	0.191	0.443	2.366	0.302	1.19	0.174	1.65
18.3	Cell Count	Unit x 10 ³ /L	306	198	284	158	330	126	286	98	238	71	221	76
18.4	Name of Group Number and name of group species of each group	--	Diatom Coccolodiscus sp. Biddulphia sp. Cymbella sp. Melosira sp. Rhizosolenia sp. Desmids Cosmarium sp. Closterium sp.	Diatom Biddulphia sp. Nitzschia sp. Pleurosigma sp. Cyanophyceae Anabaena sp. Green algae Chlorella sp.	Diatom Coccolodiscus sp. Biddulphia sp. Asterionemma sp. Synedra sp. Rhizosolenia sp. Desmids Cosmarium sp.	Diatom Nitzschia sp. Pleurosigma sp. Coccolodiscus sp. Synedra sp. Green algae Volvox sp. Oedogonium sp.	Bacillariophyceae Cymbella sp. Asterionemma sp. Navicula sp. Synedra sp. Rhizosolenia sp. Desmids Green Algae Chlorella sp.	Bacillariophyceae Nitzschia sp. Pleurosigma sp. Coccolodiscus sp. Synedra sp. Green algae Volvox sp. Oedogonium sp.	Bacillariophyceae Nitzschia sp. Pleurosigma sp. Coccolodiscus sp. Synedra sp. Green algae Volvox sp. Oedogonium sp.	Bacillariophyceae Navicula sp. Gyrosigma sp. Cymbella sp. Cyanophyceae Spirulina sp. Nostoc sp.	Bacillariophyceae Nitzschia sp. Pinnularia sp. Cymbella sp. Navicula sp. Gomphonema sp. Rhizosolenia sp. Thalassionema sp. Green Algae Hydrodictyon sp. Pandorina sp. Chlorella sp. Cyanophyceae Oscillatoria sp.	Bacillariophyceae Navicula sp. Nitzschia sp. Thalassionema sp. Pinnularia sp. Green Algae Scenedesmus sp. Pandorina sp. Pediastrum sp.	Bacillariophyceae Nitzschia sp. Synedra sp. Coccolodiscus sp. Thalassionema sp. Pinnularia sp. Gyrosigma sp. Gomphonema sp. Green Algae Volvox sp. Chlorella sp. Cyanophyceae Spirulina sp. Lyngbya sp.	Bacillariophyceae Nitzschia sp. Cyclotella sp. Pinnularia sp. Fragilaria sp. Green Algae Volvox sp. Cyanophyceae Oscillatoria sp. Nostoc sp.
C Zooplanktons														
19.1	Abundance (Population)	No./m ²	590	380	390	160	250	100	350	200	225	75	275	100
19.2	Name of Group Number & name of group species of each group	--	Copepods Crustaceans Echinoderms Bivalves Ostracods Ctenophores	Polychaetes Daphnia Cyaops Bivalves	Copepods Crustaceans Bivalves Ostracods	Polychaetes Daphnia Bivalves Echinoderms	Copepods Krill Polychaetes Nematodes	Ctenophores Snails Bivalves Cyclops	Copepods Decapods Cyclops Ostracods Gastropods	Molluscs Foraminiferans Bivalves	Copepods Decapods Krill Ostracods Crustaceans	Copepods Fish egg Ostracods Polychaete worms	Copepods Decapods Mysids Daphnia Chaetognathes	Nematodes Isopods Polychaete worms
19.3	Total Biomass	ml/100 m ³	38	19	59	32	73	31	87	19	71	9	91	18
D Microbiological Parameters														
20.1	Total Bacterial Count	CFU/ml	1240	1010	1227	1581	2380	1620	1840	1210	1850	1460	1680	1370
20.2	Total Coliform	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.3	E. coli	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.4	Enterococcus species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent

20.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.7	Vibrio species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent

BDL*: Below Detection Limit
SW: Surface Water
BW: Bottom Water
Location No.- 3: CB-1 End Towards Channel

S. No.	Test Parameters	Unit	Apr-15		May-15		Jun-15		Jul-15		Aug-15		Sep-15	
			SW	BW	SW	BW	SW	BW	SW	BW	SW	BW	SW	BW
1	pH	--	8.05	8.15	8.22	8.36	8.1	8.22	7.86	8.06	7.89	7.95	7.91	7.9
2	Temperature	°C	29	31	30	31	29	30	28	29	29	30	29	30
3	Total Suspended Solids	mg/L	310	360	330	680	350	710	260	620	380	750	360	736
4	BOD (3 Days @ 27 °C)	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
5	Dissolved Oxygen	mg/L	5.3	4.9	5.2	4.8	5.6	4.6	5.2	4.6	5.8	4.7	5.4	4.8
6	Salinity	ppt	35.4	36.5	34.9	35.7	35.15	36.13	34.9	35.2	33.92	35.1	32.66	33.85
7	Oil & Grease	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
8	Nitrate as NO ₃	mg/L	0.092	0.104	0.088	0.098	0.079	0.101	0.046	0.082	0.072	0.096	0.074	0.088
9	Nitrite as NO ₂	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
10	Ammonical Nitrogen as NH ₃	mg/L	2.1	2.6	2	2.4	2.1	2.2	1.78	2.06	2.02	2.32	2.35	2.82
11	Phosphates as PO ₄	mg/L	2.8	4.4	3.2	4.9	3	4.2	2.6	3.8	2.8	2	3	2.2
12	Total Nitrogen	mg/L	3.2	3.8	2.29	2.5	2.09	2.41	1.92	2.22	2.1	2.5	2.42	2.29
13	Petroleum Hydrocarbon	µg/L	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
14	Total Dissolved Solids	mg/L	42870	43910	41690	42580	42280	44750	43100	45010	41880	43340	39615	41040
15	COD	mg/L	28	24	26	20	24	18	26	20	24	18	19	14
16	Oxidisable Particular Organic Carbon	%	0.84	0.52	0.94	0.63	0.7	0.48	0.9	0.7	0.82	0.64	0.64	0.42
A Flora and Fauna														
17	Primary Productivity	mgC / L / day	2.62	2.02	2.25	1.57	1.575	0.225	1.575	0.675	1.35	0.45	1.238	0.338

B Phytoplankton														
18.1	Chlorophyll	mg/m ³	3.65	2.21	2.85	1.65	1.762	0.107	1.148	0.401	1.65	0.187	1.89	0.214
18.2	Phaeophytin	mg/m ³	BDL*	0.176	BDL*	0.792	0.817	2.472	1.431	2.179	0.401	1.83	0.123	1.805
18.3	Cell Count	Unit x 10 ³ /L	326	210	268	173	234	85	220	74	202	61	235	81
18.4	Name of Group Number and name of group species of each group	--	Diatom Thalassiosira sp. Pleurosigma sp. Navicula sp. Fragillaria sp. Cyanophyceae Oscillatoria sp. Green algae Ankistrodesmus	Diatom Thalassiosira sp. Pleurosigma sp. Navicula sp. Synedra sp. Cyanophyceae Oscillatoria sp. --	Diatom Coscirodiscus sp. Synedra sp. Navicula sp. Cyanophyceae Oscillatoria sp. Green algae Ankistrodesmus Pandorinek sp.	Diatom Thalassiosira sp. Pleurosigma sp. Navicula sp. Synedra sp. Cyanophyceae Microcystis sp. Nostoc sp.	Bacillariophyceae Fragillaria sp. Skeletonema sp. Pinnularia sp. Rhizosolenia sp. Cyanophyceae Microcystis sp. Oscillatoria sp. Nostoc sp.	Bacillariophyceae Biddulphia sp. Gyrosigma sp. Synedra sp. Nitzschia sp. Disimids Cosmarium sp.	Bacillariophyceae Nitzschia sp. Pinnularia sp. Rhizosolenia sp. Spirulina sp. Oscillatoria sp. Green Algae Ankistrodesmus Chlorella sp.	Bacillariophyceae Fragillaria sp. Pleurosigma sp. Nitzschia sp. Cyanophyceae Microcystis sp. Anabaena sp. Pandorina sp. Chlorella sp. --	Bacillariophyceae Nitzschia sp. Navicula sp. Pinnularia sp. Coscinodiscus sp. Rhizosolenia sp. Thalassionema sp. Fragillaria sp. Green Algae Chlorella sp. Pandorina sp. Pediastrum sp.	Bacillariophyceae Fragillaria sp. Navicula sp. Nitzschia sp. Biddulphia sp. Asterionella sp. Cyanophyceae Oscillatoria sp. -- -- --	Bacillariophyceae Cocconeis sp. Fragillaria sp. Pinnularia sp. Nitzschia sp. Skeletonema sp. Asterionella sp. Green Algae Chlorella sp. Volvox sp. Pandorina sp. Cyanophyceae Oscillatoria sp. Spirulina sp.	Bacillariophyceae Biddulphia sp. Pinnularia sp. Rhizosolenia sp. Synedra sp. Cyanophyceae Oscillatoria sp. Desmids Cosmarium sp. Closterium sp. --
C Zooplanktons														
19.1	Abundance (Population)	No./m ²	490	330	260	170	300	150	300	100	183	67	300	150
19.2	Name of Group Number & name of group species of each group	--	Crustaceans Gastropods Ostracods Bivalves	Polychaetes Crustaceans --	Crustaceans Gastropods Bivalves	Bivalves Crustaceans Snails	Nematodes Polychaete worms Gastropods	Daphnia Krill Nematodes	Copepods Polychaetes Ostracods Ctenophores	Molluscs Bivalves Polychaete Worms --	Copepods Decapods Nematodes Gastropods	Gastropods Ostracods Polychaete Worms --	Copepods Decapods Gastropods Krill Crustaceans Cyclops	Gastropods Copepods Decapods -- -- --
19.3	Total Biomass	ml/100 m ³	34	19	43	28	59	18	78	21	51	4	76	11
D Microbiological Parameters														
20.1	Total Bacteria Count	CFU/ml	2220	1718	2331	1613	2250	1540	1680	1260	1940	1420	1730	1460
20.2	Total Bacteria Count	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.3	E.coli	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.4	Enterococcus species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.5	Salmonella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.6	Shigella species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent
20.7	Vibrio species	/ml	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent	Absent

BDL*: Below Detection Limit

SW: Surface Water

BW: Bottom Water

PART - C: SEDIMENT QUALITY ANALYSIS RESULTS:-

S. No.	Parameters	Unit	Apr-15			May-15			Jun-15			Jul-15			Aug-15			Sep-15		
			CB-2 End Towards Land Side	MPB-1 End Towards Channel	CB-1 End Towards Channel	CB-2 End Towards Land Side	MPB-1 End Towards Channel	CB-1 End Towards Channel	CB-2 End Towards Land Side	MPB-1 End Towards Channel	CB-1 End Towards Channel	CB-2 End Towards Land Side	MPB-1 End Towards Channel	CB-1 End Towards Channel	CB-2 End Towards Land Side	MPB-1 End Towards Channel	CB-1 End Towards Channel	CB-2 End Towards Land Side	MPB-1 End Towards Channel	CB-1 End Towards Channel
1	Organic Matter	%	0.72	0.84	0.86	0.64	0.68	0.83	0.58	0.74	0.88	0.48	0.54	0.72	0.6	0.88	0.8	0.56	0.66	0.65
2	Phosphorus as P	mg/kg	180	192	198	210	204	212	240	216	256	190	280	218	220	242	202	202	210	224
3	Texture	--	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt
4	Petroleum Hydrocarbon	mg/kg	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
5	Heavy Metals																			
5.1	Aluminum as Al	%	5.5	5.7	5.8	5.2	5.5	5.4	5.8	5.9	6.2	5.2	6	5.6	5.4	5.8	5.2	5.6	5.6	5
5.2	Chromium as Cr+3	mg/kg	124	132	142	110	128	116	90	110	158	110	90	184	130	96	174	116	92	128
5.3	Manganese as Mn	mg/kg	840	710	684	790	702	670	680	588	490	520	490	370	560	510	326	710	630	348
5.4	Iron as Fe	%	2.92	2.98	2.94	3	3.1	3.12	1.98	2.05	4.16	2.54	3.1	3.22	2.6	2.84	2.98	2.22	2.64	3.41
5.5	Nickel as Ni	mg/kg	62	68	66	74	84	88	82	58	58	66	78	64	78	62	70	67	70	74
5.6	Copper as Cu	mg/kg	38	46	52	46	48	56	58	54	66	74	48	52	64	50	58	41	56	60
5.7	Zinc as Zn	mg/kg	156	152	162	172	183	194	160	146	150	210	160	186	180	174	166	176	164	171
5.8	Lead as Pb	mg/kg	1.8	1.92	1.88	1.74	1.84	1.58	1.66	1.7	1.64	1.08	1.16	1.24	1.26	1.28	1.31	1.11	1.34	1.43
5.9	Mercury as Hg	mg/kg	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*
6	Benthic Organisms																			
6.1	Macro Benthos (No and name of groups present)		Polychaete worms	Polychaete worms	Crabs	Polychaete worms	Polychaete worms	Crabs	Polychaete worms	Polychaete worms	Crabs	Polychaete worms	Amphipods	Crabs	Polychaete worms	Polychaete worms	Polychaete worms	Polychaete worms	Polychaete worms	Echinoderms
	No. and name of species of each group present)	--	Crustaceans	Crustaceans	Polychaete worms	Crabs	Crustaceans	Polychaete worms	Crustaceans	Crustaceans	Polychaete worms	Crabs	Crabs	Echinoderms	Echinoderms	Isopods	Isopods	Isopods	Isopods	Decapods

Micro Benthos (No. and name of groups present; No and name of species of each group present)		Nematodes Copepods	Nematode s Polychaet e worms	Nematode s Crabs	Nematodes Foraminifer ans	Nematodes Gastrotrick s	Nematodes Ostracods	Hydrozoa Ostracods Ciliates	Nematode s Hydrozoa Foraminife rans	Bryozoans Ciliates Nematodes	Foraminifera ns Hydrozoans Copepods	Nematodes Hydrozoa Copepods	Bryozoans Ostracods	--	Foraminifer ans	Copepods Hydrozoa Ostracods	Foraminifera ns Nematodes Gastropods	Foraminifer ans Nematodes		
6.2	--																			
6.3	Population	No./m ²	384	566	503	432	528	480	440	481	411	308	342	377	288	314	252	385	433	337

BDL*: Below Detection Limit

PART – D1: GROUND WATER QUALITY ANALYSIS RESULTS:

Location: Near Port Gate No.: 2 (Open Well Near Village - Hazira)

S. No.	Test Parameters	Unit	Apr-15	May-15	Jun-15	Jul-15	Sep-15
1	Colour	Hazen	2	2	1	2	2
2	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Taste	--	Agreeable	Agreeable	Agreeable	Agreeable	Not Agreeable
4	Turbidity	NTU	0.84	1.27	0.88	0.92	0.47
5	pH Value	--	7.58	7.28	7.71	7.72	8.09
6	Total Hardness as CaCO ₃	mg/L	228	434	134	344	212
7	Iron as Fe	mg/L	0.032	BDL*	BDL*	0.012	0.014
8	Chloride as Cl	mg/L	85.97	69.97	29.99	69.97	55.98
9	Residual Free Chlorine	mg/L	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
10	Fluoride as F	mg/L	0.84	0.39	0.28	0.66	0.42
11	Total Dissolved Solids	mg/L	658	634	220	626	412
12	Calcium as Ca	mg/L	60.8	104	32.8	83.2	44
13	Magnesium as Mg	mg/L	18.24	41.28	12.48	32.64	40.32
14	Copper as Cu	mg/L	BDL*	0.062	0.055	BDL*	BDL*
15	Manganese as Mn	mg/L	BDL*	0.3	0.33	BDL*	BDL*

16	Sulphate as SO ₄	mg/L	31.98	20.4	16.2	28.12	19.46
17	Nitrate Nitrogen as NO ₃	mg/L	0.948	BDL*	BDL*	0.82	0.72
18	Phenolic compounds as C ₆ H ₅ OH	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*
19	Mercury as Hg	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*
20	Cadmium as Cd	mg/L	BDL*	0.01	BDL*	BDL*	BDL*
21	Selenium as Se	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*
22	Arsenic as As	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*
23	Cyanide as CN	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*
24	Lead as Pb	mg/L	BDL*	0.1	0.09	BDL*	BDL*
25	Zinc as Zn	mg/L	0.024	0.049	0.032	0.016	0.028
26	Anionic Detergents as MBAS	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*
27	Chromium as Cr ⁺⁶	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*
28	Mineral Oil	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*
29	Alkalinity	mg/L	193	480	508	180	220
30	Aluminium as Al	mg/L	BDL*	BDL*	BDL*	BDL*	BDL*
31	Boron as B	mg/L	0.14	0.012	0.005	0.1	BDL*

BDL*: Below Detection Limit

PART - D2: SURFACE WATER QUALITY ANALYSIS RESULTS:

S. No.	Test Parameters	Unit	Village - Mora (Pond Water)				
			Apr-15	May-15	Jun-15	Jul-15	Sep-15
1	Odour	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
2	Colour	Hazen	3	3	2	2	2
3	Taste	--	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	pH Value	--	7.71	7.92	7.85	7.62	9.2
5	Turbidity	NTU	0.59	0.82	1.12	0.78	0.98
6	Total Dissolved Solids	mg/L	658	702	403	524	360
7	Total Hardness as CaCO ₃	mg/L	286	306	156	182	68
8	Chloride as Cl	mg/L	62.48	64.64	111	55.66	93.97
9	Fluoride as F	mg/L	0.8	0.7	0.5	0.6	0.5

10	Iron as Fe	mg/L	0.129	0.142	0.13	0.94	0.87
11	Coliform	/100 ml	Present	Present	Present	Present	Present
12	E-Coli	/100 ml	Present	Present	Present	Present	Present

PART - E1: AMBIENT NOISE LEVEL MONITORING RESULTS [In dB (A) Leq.]:

S. No.	Location	April'2015		May'2015		June'2015		July'2015		August'2015		September'2015	
		Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
1.	Near Port Gate No.: 2	67.5	64.4	63.8	57.9	61.5	57.2	67.8	61.3	65.5	60.7	60.7	54.3
2.	Container Terminal	62.9	56.0	61.4	58.2	61.6	60.7	67.3	65.0	65.4	64.9	61.5	60.7
3.	Near STP	64.3	60.2	61.8	54.8	63.0	58.2	66.7	59.8	65.5	60.1	67.3	65.4
4.	Hazira Village	62.1	54.7	67.4	57.0	52.0	42.7	57.3	45.9	54.9	44.8	70.7	63.3
5.	Central Water Pump House	64.6	57.5	64.4	64.4	66.3	59.5	69.5	61.2	67.1	61.1	70.2	62.5

Note: 1. Day Time shall mean from 06:00 AM to 10:00 PM.

2. Night Time shall mean from 10:00 PM to 06:00 AM.

PART - E2: DG SETS NOISE LEVEL MONITORING RESULTS [In dB (A) Leq.]:

S. No.	Sampling Location	April'2015		August'2015	
		At 1 M from the Enclosure (S)	At 1 M from the Enclosure (N)	At 1 M from the Enclosure (S)	At 1 M from the Enclosure (N)
1	DG Set Toyo Denki - 1	72.6	67.4	71.5	68.6
2	DG Set Toyo Denki - 2	71.8	68.2	70.5	69.9
3	DG Set Toyo Denki - 3	73.4	69.9	72.3	69.2

PART- F: SOIL TESTING RESULT:-

S. NO.	PARAMETERS	UNIT	NEAR PORT GATE NO.: 2		NEAR LIQUID TERMINAL	
			Sampling Date: 10/04/2015		Sampling Date: 29/04/2015	
1.	Type	--	Brown		Brown	
2.	Gravel	%	0.6		0.8	
3.	Coarse Sand	%	0.4		0.4	
4.	Medium Sand	%	9.6		10.2	
5.	Fine Sand	%	3.2		2.8	
6.	Total Sand	%	13.2		13.4	
7.	Silt & Clay	%	86.8		86.6	
8.	pH (1:5)	--	8.25		8.65	
9.	Electricity Conductivity	µmho/cm	650		720	
10.	Alkali Matter	mg/kg	840		710	
11.	Cation Exchange Capacity	meq/100 gm	8.10		8.4	
12.	Sodium Absorption Ratio	--	12.40		12.6	
13.	Organic Matter	mg/kg	0.21		0.18	
14.	Available Nitrogen	mg/kg	75.40		65.40	
15.	Available Potassium	mg/kg	28.90		30	
16.	Available Phosphorus	mg/kg	56		52	
17.	Available Sodium	mg/kg	310		340	
18.	Permeability	%	0.5		0.6	