

To

The Director (S),
Ministry of Environment & Forests,
E-5, Kendriya Paryavaran Bhawan,
Arera Colony, Link Road No. - 3,
Bhopal - 462 016.
E-mail: rowz.bpl-mef@nic.in

Sub. : Half yearly Compliance report for Environment and CRZ Clearance for the "Multi Product SEZ, Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited"

Ref. : Environment and CRZ clearance granted to M/s Adani Ports and SEZ Limited vide letter dated 15th July, 2014 bearing MoEF letter No. 10-138/2008-IA.III.

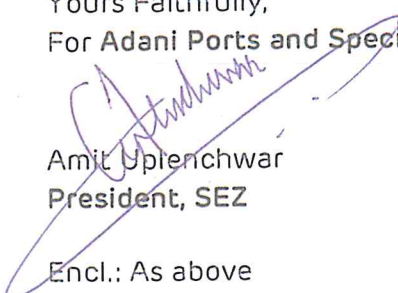
Dear Sir,

Please refer to the above cited reference for the said subject matter. In connection to the same, it is to state that copy of the compliance report for the Environmental / CRZ Clearance for the period of October'15 to March'16 is enclosed here for your records. The stated information is also provided in form of a CD (soft copy).

Thanking you,

Yours Faithfully,

For Adani Ports and Special Economic Zone Limited


Amit Upenchwar
President, SEZ


Encl.: As above

Copy to:

1. The Director (IA Division), Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003
2. Zonal Officer, Regional Office, CPCB - Western Region, Parivesh Bhawan, Opp. VMC Ward Office No. 10, Subhanpura, Vadodara - 390 023
3. Principal Secretary, Forests & Environment Department, Block - 14, 8th floor, Sachivalaya, Gandhi Nagar - 382 010
4. Member Secretary, GPCB - Head Office, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar - 382 010
5. Regional Officer, Regional Office, GPCB - Katira Complex-1, Mangalam Char Rasta, Sanskar Nagar, Bhuj (Kutch) - 370 001

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कार्यालय / OFFICE
परिवेश एवं वन मंत्रालय (केन्द्रीय)
Ministry of Environment & Forests (C)
क्षेत्रीय कार्यालय (पश्चिम क्षेत्र)
Regional Office (Western Region)
वाडोदरा (गुजरात) - 390 023



Environmental Clearance
Compliance Report

of

Multi Product SEZ,
Mundra, Dist. Kutch, Gujarat

of

Adani Ports and SEZ Limited

for

Period:

October-2015 to March-2016

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

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**Copy of Environmental / CRZ
Clearance**

F. No. 10-138/2008-IA.III
Government of India
Ministry of Environment & Forests

**Paryavaran Bhawan,
CGO Complex, Lodhi Road,
New Delhi - 110 003.**

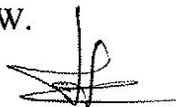
Dated: July 15, 2014

To
M/s Adani Port and SEZ Ltd
Adani House, Near Mithakhali Six Roads,
Navarangpura, Ahmedabad,
Gujarat- 380 009.

Subject: EC for proposed Multi- Product SEZ and CRZ clearance for Desalination, sea water intake, outfall facility and pipeline, at Mundra by M/s Adani Port and SEZ Ltd. – Reg.

This has reference to letter No. ENV-10-2010-1601-E dated 27.03.2012 of the Director (Environment) & Additional Secretary, Govt. of Gujarat and your subsequent letters dated 10.05.2012, 14.05.2012, 26.05.2012 and 29.04.2013 seeking prior Environmental and CRZ Clearance for the above project under the EIA Notification, 2006 and Coastal Regulation Zone Notification, 2011. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 and the Coastal Regulation Zone Notification, 2011 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, EIA, EMP, recommendations of the State Coastal Zone Management Authority and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee constituted by the competent authority in its meetings held on 16th -17th April, 2012, 4th -5th June, 2012 and 9th -10th July, 2012.

2. It is, interalia, noted that the project involves development of multi product SEZ on a plot area of 18,000 ha. of which 6641.2784 ha. is presently notified under Special Economic Zone (SEZ). As per the proponent, the Multi product SEZ at Mundra comprising of various processing zones, non-processing zones, warehousing zones, Road Network (trunk as well as internal), Bridges or culverts over natural drains, Rail Network, IT-Telecommunication network, Electrical Network, Water supply, conservation & drainage Network, Effluent collection network, Desalination Plant with proposed intake & outfall locations, Common Effluent Treatment Plants & Sewage Treatment Plants, Natural Gas line network, Social Infrastructure, Existing Airstrip, Municipal Solid Waste Disposal site, utilities & supporting infrastructure etc. For the first phase of development total water requirement will be 150 MLD. Power requirement will be approx. 360 MW. Desalination plant of 150 MLD output capacity is proposed. 11 MLD water will be sourced through Narmada water pipeline. Two CETP each of capacity 50 MLD and 17 MLD as well as STP of 62 MLD is proposed. This will require 375 MLD of seawater intake and 241 MLD of treated waste water outfall into the sea. For final phase of development total water requirement will be 450 MLD and power requirement will be approx. 1000 MW.



3. A suitable seawater intake point has been identified on the eastern end of the approved East Port Basin at Latitude 22°48'30.76"N; Longitude 69°46'34.06"E where a depth of 6 m below CD would be available after the port development. As per modelling study the combined discharge of 241MLD which includes 16MLD from CETP and 225 MLD from desalination plant as RO reject is expected having 57.57ppt of salinity, 14.41 mg / l of BOD and 94.39 mg/l of COD. After careful consideration of many aspects a suitable outfall location is identified on the west of the Eastern basin at Latitude 22°46'44.04"N; Longitude 69°45'5.51"E taking advantage of the expected 7.5m below CD basin depth. The outfall pipe line length is approximately 5.7 km and diffuser designed to attain a minimum dilution of 40-50 times.
4. The Centre for Earth Science Studies demarcated HTL, LTL and CRZ area. As per the CESS report and GCZMA, out of 6641.2784 ha of SEZ area, 1473.39 ha area falls within CRZ area. No SEZ industrial activity is proposed in the CRZ area. Only the Desalination plant pipeline for intake and outfall is proposed in CRZ areas. The Gujarat SCZMA in their 14th meeting held on 27-02-2012 considered the proposal of intake, outfall facilities, Desalination plant and laying pipeline and recommended the same vide their letter no.ENV-10-2010-1601-E dated 27th March 2012. Gujarat Pollution Control Board has granted Consent to Establishment of Marine outfall (NOC) vide letter dated 10.11.2011. The length of the intake will be approximately 5 Kms. As the sea water intake demand is 15000m³/h, drawal by pipe system is suitable by incorporating a wet well structure at the location. The intake point proposed is within the proposed East Port basin with a depth of 6 m below CD. The projected quantity of water can be transported through a single pipe of 1.3 m dia with a flow velocity of 3 m/ s or with a 1.6 m pipe with flow velocity of 2m/s.
5. The Expert Appraisal Committee, after due consideration of the relevant documents submitted by the project proponent and additional clarifications furnished in response to its observations, have recommended for the grant of Environment and CRZ Clearance for the SEZ in an area of 8481.2784 ha. However, SEZ for 1840 ha has been approved in principle by Ministry of Commerce and Industries.
6. Hon'ble High Court of Gujarat in WP No. 21 of 2013 vide order dated 13.01.2014 has directed that the Ministry to take a decision of its own so far as the issue of grant of environmental clearance is concerned considering the position prevailing as on date and also the aspects which have been highlighted by us in this judgment, within a period of thirty days from the date of this judgment without fail. Further, vide order dated 27.01.2014 Hon'ble Supreme Court in SLP No. 1526 of 2014 which was filed against the Order of High Court by the Respondent-1 has passed order that in case, the MOEF is unable to complete the process within the time stipulated by the High Court, it will be open for them to approach this Court for extension of time. Accordingly, Ministry has filed a petition before the Hon'ble Supreme Court seeking extension of two months time.
7. It is noted from the Judgement dated 13.01.2014 of Hon'ble High Court of Gujarat in PIL 21 of 2013 the Hon'ble Court has construed the grant of lease to units prior to



obtaining EC by M/s APSEZL as violation of EIA, Notification, 2006. Therefore, according to the OM's dated 12.12.2012 and 27.06.2013, PP was addressed for Board Resolution and the State Government was addressed to take credible action against the PP for the violation. Direction under Section 5 of E(P)Act, 1986 was also issued to APSEZ not to take up and allow any further construction activity within SEZ till the grant of clearance.

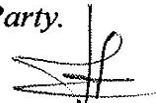
8. Further, Hon'ble Supreme Court video order dated 02.05.2014 in SLP 1526 of 2013 had ordered for stay of Ministry's letter dated 3.04.2014 addressed to Government of Gujarat to initiate legal action for the violation, also directed that the Ministry to complete the process of EC within eight weeks.

9. M/s APSEZ Ltd. has stated that the Board resolved that since the matter is sub-judice before the Hon'ble Supreme Court of India, will fully abide by the outcome of the decision of the Hon'ble Supreme Court.

10. In view of the above and to comply with the orders of Hon'ble Courts, Ministry hereby accords necessary Environment Clearance for proposed Multi- Product SEZ in an area of 6641.2784 ha and CRZ clearance for desalination, seawater intake, outfall facility and pipeline for as per the provisions of Environmental Impact Assessment Notification – 2006 and its subsequent amendments and Coastal Regulation Zone Notification, 2011, subject to strict compliance of the terms and conditions as follows:

11. PART A - SPECIFIC CONDITIONS

- (i) *PP shall abide by the final order/decision of Hon'ble Supreme Court in SLP (Civil) no. 1526/2014 and connected matters.*
- (ii) *Properly conserve the creeks, river and the mangroves area in the area.*
- (iii) *Ensure that mouths of all the creeks are kept open to ensure flushing of the creeks.*
- (iv) *Bring the creeks to the condition as was seen in the satellite map of 2005 which will be a "reference" satellite map and a copy of which shall be sent to you separately.*
- (v) *Submit once in a year latest satellite map which can be compared with the reference satellite map of 2005 to ensure that no modification in the creeks, rivers, mangroves and mouth of creeks have taken place.*
- (vi) *Any direction issued by the MoEF with respect to the report submitted by Ms Sunita Narain Committee shall be complied with by the Proponent as applicable.*
- (vii) *At its cost get Inspection study done once in a year by the organizations like NEERI or any organization approved by this Ministry to - (i) ensure compliance of all the EC conditions (ii) development of SEZ meeting of the environment norms, and (iii) advise any mid-term correction that can be introduced depending on the recommendation of the independent Third Party.*



- (viii) "Consent for Establishment" for the SEZ shall be obtained from Gujarat Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.
- (ix) PP shall get detailed bathymetry done for all the creeks and rivers within Port and SEZ areas along with mapping of co-ordinates, running length, HTL, CRZ boundary, mangrove areas including buffer zone through NCSCM / NIOT. PP shall also get prepared a detailed action plan for conservation and protection of creeks/ mangrove area etc through NCSCM / NIOT and submit the same to GCZMA for their examination and recommendation. GCZMA will submit its recommendations to MoEF for approval.
- (x) PP shall demarcate the CRZ area on land with GPS coordinates in consultation with GCZMA/ the agency which has done the HTL/LTL demarcation for the area. There shall be no allotment of plot/s in CRZ area to industries. No industrial activity within CRZ area except the port and harbor & the foreshore facilities shall be allowed as committed
- (xi) Till the approval of action plan for conservation and protection of creeks/ mangrove area, the CRZ area within SEZ shall be demarcated as "No Development Zone". PP shall not allow/ undertake any development in CRZ area of SEZ.
- (xii) The implementation of action plan approved by the MoEF shall be monitored by the NCSCM/ NIOT. Compliance with action plan shall be submitted to GCZMA and to MoEF, RO. at Bhopal along with six monthly monitoring report.
- (xiii) PP shall earmark separate budget for the implementation of the above action plan. The details of the expenditure shall be submitted to GCZMA and to MoEF, RO. at Bhopal along with six monthly monitoring report.
- (xiv) All the industry in SEZ shall be connected through impervious drainage lines to the STP/ CETP for the discharge of their sewage or industrial effluent. There shall not be any discharge to creeks / rivers. PP shall be accountable for implementing this condition and necessary clause shall be incorporated in the MoU while allotting the plot to the individual industries
- (xv) PP shall not carry out any river course modification.
- (xvi) The individual industrial units shall obtain prior EC under EIA Notification, 2006 as applicable.
- (xvii) Proponent shall identify 200 ha of land for mangrove plantation as per the condition laid by SEAC.
- (xviii) 50 meter buffer from the existing mangrove area should be provided for any developmental activity,



- (xix) *Proponent shall develop the green belt with 3 layers of canopy all along the periphery.*
- (xx) *All the recommendation of the EMP shall be complied with in letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF along with half yearly compliance report to MoEF-RO.*
- (xxi) *There shall be no disturbance to the sand dunes. The pipelines shall be laid using advanced method viz. Horizontal Directional Drilling (HDD) so as to avoid disturbance to the sand dunes/ creeks/ mangroves.*


PART – B. GENERAL CONDITIONS

Construction Phase.

- (i) *Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.*
- (ii) *A First Aid Room will be provided in the project both during construction and operation of the project.*
- (iii) *All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.*
- (iv) *Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed, taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.*
- (v) *Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.*
- (vi) *Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.*
- (vii) *Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Gujarat Pollution Control Board.*
- (viii) *The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.*



- (ix) *The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.*
- (x) *Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.*
- (xi) *Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/GPCB.*
- (xii) *Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within 100 Kms of Thermal Power Stations).*
- (xiii) *Ready mixed concrete must be used in building construction.*
- (xiv) *Storm water control and its re-use should be regulated as per CGWB and BIS standards for various applications.*
- (xv) *Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other referred best practices.*
- (xvi) *Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.*
- (xvii) *Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.*
- (xviii) *Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.*
- (xix) *Use of glass may be reduced by upto 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.*
- (xx) *Roof should meet prescriptive requirements as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirements.*
- (xxi) *Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all airconditioned spaces while it is aspirational for non-airconditioned spaces by use of appropriate thermal insulation material to fulfil these requirement.*



- (xxii) *The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightning etc.*
- (xxiii) *Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.*
- (xxiv) *Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining environmental clearance.*


Operation Phase

- (i) *The PP while issuing the allotment letter to individual member units shall specifically mention the allowable maximum quantity of water usage and effluent generated by each member unit.*
- (ii) *The PP shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest improvements.*
- (iii) *Treated affluent emanating from STP shall be recycled/reused to the maximum extent possible. Treatment of 100% grey water by decentralised treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.*
- (iv) *The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry / inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.*
- (v) *Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operational phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel should be used. The location of the DG sets may be decided in consultation with the Gujarat Pollution Control Board.*
- (vi) *Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.*
- (vii) *Green belt of adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.*



- (viii) *Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.*
- (ix) *Rain water harvesting for roof run- off and surface run- off, as plan submitted should be implemented.*
- (x) *The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.*
- (xi) *Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.*
- (xii) *A Report on the energy conservation measures conforming to energy conservation norms finalised by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & D Factors etc and submitted to the Ministry along with six monthly monitoring report.*
- (xiii) *Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be an integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/ rules of the regulatory authority to avoid mercury contamination. Solar panels may be used to the extent possible.*
- (xiv) *Adequate measures should be taken to prevent odour problems from solid waste processing plant and STP.*
- (xv) *The buildings should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.*
- (xvi) *The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.*
- (xvii) *Adequate drinking water facility be provided.*
- (xviii) *Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.*
- (xix) *Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for portion of the apartments should be provided.*
- (xx) *Ozone depleting substance (Regulation & Control) Rules should be followed while designing the air conditioning system of the project.*

12. Officials from the Regional Office of MOEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the



documents submitted to MoEF should be forwarded to the CCF, Regional office of MOEF, Bhopal

13. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.

14. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

15. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.

16. 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, 2006.

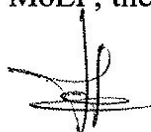
17. The project proponent should advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Clearance and copies of clearance letters are available with the Gujarat Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at <http://www.envfor.nic.in>. The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.

18. 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.

19. "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".

20. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

21. 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.



22. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

23. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.


(Lalit Kapur)
Director (IA-III)

Copy to:

1. The Principal Secretary, Forest and Environment Department, Block no. 14/ 8 floor Sachivalaya, Gandhinagar – 382 010 Gujarat.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 110 032.
3. The Member Secretary, Gujarat Coastal Zone Management Authority & Director,(Environment) Forests & Environment Department, Block No. 14, 8th Floor, Sachivalaya, GandhiNagar-382.
4. The Chief Conservator of Forests, Ministry of Environment and Forests, Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No. 3, Ravishankar Nagar, Bhopal – 462016 (M.P.)
5. The Member Secretary, Gujarat State Pollution Control Board, Paryavaran Bhawan , Sector 10-A, Gandhi Nagar 382043, Gujarat
6. Director (EI), Ministry of Environment and Forests.
7. Guard File.
8. Monitoring File.


(Lalit Kapur)
Director (IA-III)

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Compliance Report of Environmental / CRZ Clearance

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

M/s. APSEZL has been granted Environmental / CRZ clearance vide letter no. 10-138/2008-IA.III, dated 15th July, 2014 for development of "Multi Product SEZ, Desalination, Sea Water Intake, Outfall Facility and Pipeline".

Activities / Facilities approved are as below:

Facilities / Components Approved	Capacity	Status as on 31.03.2016
Desalination Plant	150 MLD	Construction has not been started.
Sea water Intake & Outfall Facility	375 MLD: Intake 241 MLD: Outfall	Construction has not been started.
Common Effluent Treatment Plant	17 MLD	MPSEZ Utilities Pvt. Ltd. (MUPL) has been granted environmental clearance for CETP having 17.0 MLD capacity. Out of which at present one module of CETP having 2.5 MLD capacity has been constructed and is in operation.
	50 MLD	Construction has not been started.
Social Infrastructure Projects	--	Adani Mundra SEZ Infrastructure Pvt. Ltd. (AMSIPL) has been granted environmental clearance for township and area development project within 255 Ha. area.
Sewage Treatment Plant	62 MLD	Construction has not been started.
Airstrip	--	Airstrip has been developed within SEZ area after obtaining requisite permissions.
Municipal Solid Waste Site	--	Construction has not been started. Only boundary wall and leveling of area carried out.
Free Trade & Ware House Zone (FTWZ)	--	Construction work is under progress.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

List of Industrial Units within SEZ area

Sr. No.	Name of Unit	Nature of Business	Status
1	SKAPS INDUSTRIES	Textile	Operation
2	TERRAM EOSYNTHETICS	Textile	Operation
3	AHLSTROM	Textile	Operation
4	ASHAPURA GARMENTS	Textile	Operation
5	THERMAX	Textile	Operation
6	OWS	Ware House	Operation
7	DORF KETAL	Chemical	Operation
8	OCCL	Chemical	Operation
9	AADI OIL	Oil	Operation
10	GARG TUBES LLP	Steel	Under construction
11	EMPEZAR LOGISTICS	Ware House	Operation
12	SEABIRD CFS	CFS	Operation
13	HONEYCOMB CFS	CFS	Operation
14	ALL CARGO CFS	CFS	Operation
15	MUNDHRA CFS	CFS	Operation
16	SAURASHTRA CFS	CFS	Operation
17	FORBES CFS	CFS	Operation
18	TRANSWORLD CFS	CFS	Operation
19	MICT CFS	CFS	Operation
20	MSTPL (Mundra Solar Technopark Pvt. Ltd.)	Electronics Manufacturing Cluster	Under construction

Note:

Environmental / CRZ clearance has been granted for additional facilities like Processing Zones, Non-processing Zones, Warehousing Zones, Road Network (Trunk as well as Internal), Bridges or Culverts over natural drain, Rail Network, IT-Telecommunication Network, Electric Network, Water Supply, Conservation & Drainage Network, Effluent Collection Network and Utilities & Supporting Infrastructure within SEZ area.

Boundary wall is constructed along the project periphery. In some of areas level raising of SEZ area, wherever required is also under progress.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
Part – A: Specific Conditions		
i.	PP shall abide by the final order/decision of Hon'ble Supreme Court in SLP (Civil) no. 1526/2014 and connected matters.	Point noted and will be complied.
ii.	Properly conserve the creeks, river and the mangroves area in the area.	Complied. At locations where the road/rail passes through creeks/river, we have constructed bridges/culverts to allow free flow of water. Photograph of the same are annexed as Annexure -1 .
iii.	Ensure that mouths of all the creeks are kept open to ensure flushing of the creeks.	All the creek mouths present in our area are open having no obstruction that allow flushing of sea water in to the creeks.
iv.	Bring the creeks to the condition as was seen in the satellite map of 2005 which will be a "reference" satellite map and a copy of which shall be sent to you separately.	Based on the final direction issued by MoEF&CC vide their letter dated 18 th Sept.2015, APSEZL has submitted a letter vide our letter dated 23.05.16.
v.	Submit once in a year latest satellite map which can be compared with the reference satellite map of 2005 to ensure that no modifications in the creeks, rivers, mangroves and mouth of creeks have taken place.	As per the directions of MoEF&CC these conditions stands null & void. Copy of the directions letter is attached as Annexure -2 . Copy of our letter submitted to MoEF&CC is attached as Annexure -3 .
vi.	Any direction issued by the MoEF with respect to the report submitted by Ms Sunita Narain Committee shall be complied with by the Proponent as applicable.	MoEF&CC has issued an order vide letter dated 18.09.2015 (Copy attached as Annexure -2) with respect to the report submitted by Ms. Sunita Narain committee. A point wise compliance of the MoEF&CC order is enclosed as Annexure- 4 .

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
vii.	At its cost get Inspection study done once in a year by the organizations like NEERI or any organization approved by this Ministry to - (i) ensure compliance of all the EC conditions (ii) development of SEZ meeting of the environment norms, and (iii) advise any mid-term correction that can be introduced depending on the recommendation of the independent Third Party.	Complied. APSEZ has engaged NEERI. Compliance report of the period from April'15 to Sept'15 was submitted to senior official of NEERI. Based on the site visit as well as the said compliance report NEERI has given their feedback. Copy of the same is annexure as Annexure -5 .
viii.	"Consent for Establishment" for the SEZ shall be obtained from Gujarat Pollution Control Board under Air and Water Act and a copy shall be submitted to the Ministry before start of any construction work at the site.	Complied. Consent to Establish have been obtained from Gujarat Pollution Control Board vide letter no. GPCB/CCA-KUTCH-1044/ GPCB ID 31463/109800 dated 16.04,2012, which is valid up to 16.02.2017. Copy attached as Annexure-6 .
ix.	PP shall get detailed bathymetry done for all the creeks and rivers within Port and SEZ areas along with mapping of co-ordinates, running length, HTL, CRZ boundary, mangrove area including buffer zone through NCSCM/NIOT. PP shall also get prepared a detailed action plan for conservation and protection of creeks/mangrove area etc through NCSCM/NIOT and submit the same to GCZMA for their examination and recommendation. GCZMA will submit its recommendations to MoEF for approval.	APSEZL approached NCSCM to carry out the said study. Sr. Scientist have done site visit and based on the same they have submitted their proposal. Said proposal was discussed with GCZMA in their 28 th committee meeting on 22 nd April'2016. NCSCM will now initiate the study as per the scope defined in the proposal.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
x.	PP shall demarcate the CRZ area on land with GPS coordinates in consultation with GCZMA/ the agency which has done the HTL/LTL demarcation for the area. There shall be no allotment of plot/s in CRZ area to industries. No industrial activity within CRZ area except the port and harbor & the foreshore facilities shall be allowed as committed.	Demarcation of CRZ area on land with GPS co-ordinates will be done and the same will be authorized by authorized agency. Noted and complied with.
xi.	Till the approval of action plan for conservation and protection of creeks/mangrove area, the CRZ area within SEZ shall be demarcated as "No Development Zone". PP shall not allow/undertake any development in CRZ area of SEZ.	Point noted and will be complied.
xii.	The implementation of action plan approved by the MoEF shall be monitored by the NCSCM/NIOT. Compliance with action plan shall be submitted to GCZMA and to MoEF, RO at Bhopal along with six monthly monitoring report.	Point noted & will be complied.
xiii.	PP shall earmark separate budget for the implementation of the above action plan. The details of the expenditure shall be submitted to GCZMA and to MoEF, RO at Bhopal along with six monthly monitoring report.	Approx. Cost of the proposal submitted by NCSCM is Rs. 3.15 Cr. The said amount is allocated separately in the budget. Cost estimation will be done for the recommendation of the study carried out by NCSCM and separate budget for the same will also be kept.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
xiv.	All the industry in SEZ shall be connected through impervious drainage lines to the STP/CETP for the discharge of their sewage or industrial effluent. There shall not be any discharge to creeks / rivers. PP shall be accountable for implementing this condition and necessary clause shall be incorporated in the MoU while allotting the plot to the individual industries.	Point noted and will be complied. For existing units same practice is being followed. As per agreement all the industries have to discharge their wastewater to CETP. There shall not be any discharge in to creeks / rivers.
xv.	PP shall not carry out any river course modification.	Noted and complied with.
xvi.	The individual industrial units shall obtain prior EC under EIA Notification, 2006 as applicable.	Noted and same is being followed on case to case basis as applicable.
xvii.	Proponent shall identify 200 ha of land for mangrove plantation as per the condition laid by SEAC.	100 Ha. mangrove plantation is being carried out by SAVE at Tala Tadav village of Khambhat Taluka of Anand district. 100 Ha. mangrove plantation is being carried out by GEC at Vadagam village of Khambhat Taluka of Anand district. Both activities are expected to be completed by next plantation season.
xviii.	50 meter buffer from the existing mangrove area should be provided for any developmental activity.	Point noted and will be complied.
xix.	Proponent shall develop the green belt with 3 layers of canopy all along the periphery.	Development of greenbelt at various locations within the SEZ is an ongoing activity. Green belt of 3 layer canopy will be developed as part of the development of SEZ.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
xx.	All the recommendation of the EMP shall be complied with in letter and spirit. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to MoEF along with half yearly compliance report to MoEF-RO.	Compliance report of environmental management plan and mitigation measures proposed during meeting with expert appraisal committee is attached as Annexure - 7.
xxi.	There shall be no disturbance to the sand dunes. The pipelines shall be laid using advanced method viz. Horizontal Directional Drilling (HDD) so as to avoid disturbance to the sand dunes/creeks/ mangroves.	There is no sand dune in the SEZ area. Point noted and feasibility will be studied as and when required.

Part – B: General Conditions

	Construction Phase	
i.	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	All necessary infrastructure and facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. will be provided during construction phase. Details submitted to the Ministry of Environment, Forests & Climate Change along with half yearly compliance dated 24.11.2015.
ii.	A first aid room will be provided in the project both during construction and operation of the project.	APSEZL has already available Occupational Health Center & First Aid facility, which will be utilized during entire construction as well as operation phase. Whereas in case of emergency situation requiring treatment at hospital facility, same will be provided at Adani Hospital located with SEZ area.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
iii.	All the topsoil excavated during construction phase should be stored for use in horticulture/landscape development within the project site.	Point noted and will be used (if any) for the horticulture/landscape development within the project site.
iv.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed, taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	Sewage generated at different location is properly collected and sent for treatment in respective treatment plants.
v.	Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.	Complied. Environment Monitoring is being carried out on regular basis in Port & SEZ area through NABL and MoEF accredited agency. Ground water quality monitoring report for the period from October'15 to March'16 is attached as Annexure – 8 .
vi.	Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water.	Construction spoils including bituminous material is being stored in identified temporary storage area outside CRZ area and is being utilized for filling / level raising purpose. Hazardous material is being stored and is being disposed as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules.
vii.	Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Gujarat Pollution Control Board.	Hazardous material is being stored and is being disposed as per Hazardous and Other Wastes (Management and Transboundary Movement) Rules..

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
viii.	The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.	Point noted and being complied. DG sets are used as power back up source only in case of power failure.
ix.	The diesel required for operating DG sets shall be stored in underground tanks if required; clearance from Chief Controller of Explosives shall be taken.	Diesel is stored in the underground tank located in existing port area and approval of the same from Chief Controller of Explosives is obtained.
x.	Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.	Point Noted and will be complied. Vehicles having a valid PUC only will be used during entire construction phase.
xi.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/GPCB.	Complied. Environment Monitoring is being carried out on regular basis in Port & SEZ area through NABL and MoEF accredited agency. Monitoring report for the period from October'15 to March'16 is attached as Annexure - 8 . Measures for mitigating air and noise pollution mentioned in EMP will be implemented.
xii.	Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September, 1999 and amended as on 27 th August, 2003. (The above condition is applicable only if the project site is located within 100 Kms of Thermal Power Stations).	Part of fly ash generated from Adani Power Limited, Mundra is being utilized by Adani Group to manufacture paver blocks and the same is used in back up area, footpath, colonies area, parking area, approach road etc.
xiii.	Ready mixed concrete must be used in building construction.	Being complied with.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
xiv.	Storm water control and its re-use should be regulated as per CGWB and BIS standards for various applications.	Point noted.
xv.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other referred best practices.	Point noted and will be complied.
xvi.	Permission to draw ground water shall be obtained from the competent Authority prior to construction/operation of the project.	Source of Water: Narmada water through GWIL and desalination plant of APSEZ. No ground water will be used.
xvii.	Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.	Point noted and will be complied.
xviii.	Fixtures for shower, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.	Point noted and will be complied.
xix.	Use of glass may be reduced by up to 40% to reduce the electricity consumption and load on air-conditioning. If necessary, use high quality double glass with special reflective coating in windows.	During construction of building, APSEZL will incorporate the same to reduce the electricity consumption and load on air-conditioning as per feasible conditions.
xx.	Roof should meet prescriptive requirements as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirements.	During construction of building, APSEZL will incorporate the same as per feasibility.
xxi.	Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfil these requirement.	During construction of building, APSEZL will incorporate the same as per feasible conditions.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

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Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
xxii.	The approval of the competent authority shall be obtained for structural safety of the buildings due to earthquake, adequacy of firefighting equipments, etc. as per National Building Code including protection measures from lightning etc.	Point noted and will be complied.
xxiii.	Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Point noted and being complied.
xxiv.	Under the provisions of Environment (Protection) Act 1986, legal action shall be initiated against the project proponent if it is found that construction of the project has been started without obtaining environmental clearance.	Point noted.
Operation Phase		
i.	The PP while issuing the allotment letter to individual member units shall specifically mention the allowable maximum quantity of water usage and effluent generated by each member unit.	Point noted and being complied.
ii.	The PP shall establish an environmental monitoring cell with all the potential polluting units as members to review the environmental monitoring data and suggest improvements.	APSEZL has a well structured Environment Management Cell, staffed with qualified manpower for reviewing the environmental monitoring data and suggest improvements.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
iii.	Treated effluent emanating from STP shall be recycled / reused to the maximum extent possible. Treatment of 100% grey water by decentralized treatment should be done. Discharge of unused treated effluent shall conform to the norms and standards of the Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.	Sewage generated from industrial industry is treated by individual industry itself. A common effluent treatment plant of 2.5 MLD capacity is already constructed in SEZ area (having an independent environmental clearance) and which takes care of effluent generated from member units. The treated effluent from CETP confirms to the GPCB norms. Treated water is used for gardening / horticulture purpose within CETP and SEZ premises.
iv.	The solid waste generated should be properly collected and segregated. Wet garbage should be composted and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.	Point noted and will be complied.
v.	Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operational phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Low sulphur diesel should be used. The location of the DG sets may be decided in consultation with the Gujarat Pollution Control Board.	Point noted and being complied. DG sets are used as power back up source only in case of power failure & DG sets are conforming to the Environment Protection Act 1986.
vi.	Noise should be controlled to ensure that it does not exceed the prescribed standards. During night time the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.	Noise Monitoring is being carried out on regular basis in Port & SEZ area through NABL and MoEF accredited agency. Monitoring report for the period from October'15 to March'16 is attached as Annexure – 8.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
vii.	Green belt of adequate width and density preferably with local species along the periphery of the plot shall be raised so as to provide protection against particulates and noise.	Development of greenbelt at various locations within the SEZ is an ongoing activity. Green belt of 3 layer canopy will be developed as part of the development of SEZ.
viii.	Weep holes in the compound walls shall be provided to ensure natural drainage of rain water in the catchment area during the monsoon period.	Boundary walls are constructed in such a way by keeping opening for define river path to facilitate free flow of water and it is ensured that water is not stagnant at any given point during rainy season.
ix.	Rain water harvesting for roof run-off and surface run-off, as plan submitted should be implemented.	Operational units will be encouraged for rainwater harvesting within their premises. However, for social infrastructure project at Mundra (having separate environmental clearance), rainwater harvesting study is in progress.
x.	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	Regular ground water monitoring is being done. Monitoring report for the period from October'15 to March'16 is attached as Annexure – 8.
xi.	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.	The entry and exit gates of SEZ and port are provided with ample parking area near the gate. The entry / exit complex is fully equipped with traffic control equipments and round the clock security.
xii.	A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & D Factors etc and submitted to the Ministry along with six monthly monitoring report.	Point noted and will be complied.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

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Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
xiii.	Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be an integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Solar panels may be used to the extent possible.	Point noted and being complied. CFL / LED lighting are being used at various common areas of SEZ. Used CFL are collected and sent for recycling through authorized e-waste collection agency. APZEZL is exploring possibility for installation of solar panel.
xiv.	Adequate measures should be taken to prevent odour problems from solid waste processing plant and STP.	Point noted and being complied. All organic waste is converted to compost for utilization by Horticulture dept. Other solid waste is being segregated and sent for recycling. These measures ensure that odor problem is not created in the surrounding area.
xv.	The buildings should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.	Complied.
xvi.	The environmental safeguards contained in the EIA Report should be implemented in letter and spirit.	Compliance report of environmental management plan and mitigation measures proposed during meeting with expert appraisal committee is attached as Annexure - 7.
xvii.	Adequate drinking water facility be provided.	Point noted and being complied.
xviii.	Incremental pollution loads on the ambient air quality, noise and water quality should be periodically monitored after commissioning of the project.	Complied. Environment Monitoring is being carried out on regular basis in Port & SEZ area through NABL and MoEF accredited agency. Monitoring report for the period from October'15 to March'16 is attached as Annexure - 8.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
xix.	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. A hybrid system or fully solar system for portion of the apartments should be provided.	Application of solar energy system will be planned at appropriate stage.
xx.	Ozone depleting substance (Regulation & Control) Rules should be followed while designing the air conditioning system of the project.	Point noted and will be complied.
12	Officials from the Regional Office of MOEF, Bhopal who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF should be forwarded to the CCF, Regional Office of MOEF, Bhopal.	Full support is extended to officers of regulatory authorities. Last compliance report for the period of April'15 to Sep'15 was submitted to all concern authorities vide our letter dated 24.11.2015. Copy of the same is also available on our web site.
13	In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.	Point noted.
14	The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provision of the Environmental (Protection) Act, 1986, to ensure effective implementation of the safeguard measures in a time bound and satisfactory manner.	Point noted.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
15	All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponent from the respective competent authorities.	Point noted.
16	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, 2006.	Point noted.
17	The project proponent should 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 Clearance and copies of clearance letters are available with the Gujarat Pollution Control Board and may also be seen on the website of the Ministry of Environment and Forests at http://www.envfor.nic.in . The advertisement should be made within 10 days from the date of receipt of the Clearance letter and a copy of the same should be forwarded to the Regional office of this Ministry at Bhopal.	APSEZL has advertised Environmental / CRZ Clearance in two local newspapers in due time and copy of the same was submitted vide letter dated 13.08.2014 to Ministry of Environment, Forests & Climate Change, Bhopal.
18	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.	Point noted.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
19	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.	Point noted.
20	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parishad/ Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.	Complied. Details submitted to the Ministry of Environment, Forests & Climate Change along with half yearly compliance dated 04.12.2014. Clearance letter is also put on the website of the Adani group.
21	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.	Last compliance report for the period of April'15 to Sep'15 was submitted to all concern authorities vide our letter dated 24.11.2015. Copy of the same is also available on our web site.
22	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.	Last compliance report for the period of April'15 to Sep'15 was submitted to all concern authorities vide our letter dated 24.11.2015. Copy of the same is also available on our web site.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Half yearly Compliance report of Environment Clearance for the project "Multi Product SEZ" and CRZ Clearance for the project "Desalination, Sea Water Intake, Outfall Facility and Pipeline at Mundra, Dist. Kachchh, Gujarat of M/s. Adani Ports and SEZ Limited" vide MoEF letter No. 10-138/2008-IA.III dated 15th July, 2014

Sr. No.	Specific Conditions	Compliance Status as on 31-03-2016
23	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 prescribed under the Environmental (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.	All requisite compliances will be submitted to the respective authorities on time.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

ANNEXURE A

Compliance Report of CRZ

Recommendation

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Note:

GCZMA has recommended the CRZ proposal for Sea Water Intake, Outfall system and Pipeline. Construction with respect to Desalination Plant, sea water intake and outfall system has not been started yet. Existing units having requisite environmental permissions for discharging their wastewater if any to the common effluent treatment plant having capacity of 2.5 MLD of MPSEZ Utilities Pvt. Ltd. Treated water is being utilized within the premises of CETP for the gardening / horticulture activities. As soon as the need for discharging the effluent / reject form the desalination plant into sea will arise, constriction work for the intake and outfall will be started.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Compliance Status of CRZ Recommendation given by GCZMA for the Project "Desalination, Sea Water Intake, Outfall Facility and Pipeline" issued vide Letter No. ENV-10-2010-1601-E dated 27th March 2012

Sr. No.	Specific Conditions	Compliance Status as on 30-09-2015
Specific Conditions		
1	The provisions of the CRZ Notification of 2011 shall be strictly adhered to by M/s MPSEZ.	Complied. All activities are in line with the EC notification 2006 and CRZ Notification 2011 and their subsequent amendments.
2	The treated effluent meeting with the Gujarat Pollution Control Board (GPCB) norms at the point recommended by NIO shall only be discharged through the said pipeline.	Complied. Currently in SEZ area, 2.5 MLD CETP is in operation and treated water of the same is being used for the gardening / horticulture within the CETP premises.
3	The MPSEZ shall have to ensure that there should not be any mangrove destruction for the proposed project. Also existing mangroves shall have to be protected.	APSEZL has already committed to protect the 1254 ha. area in and around mundra area as mangrove conservation area. Monitoring with respect to protection and conservation of the said area is carried out by GUIDE, Bhuj.
4	The MPSEZ shall have to provide continues monitoring system for effluent quality specifically in respect of Salinity and Temperature since these two are vital parameters looking to the nature of effluent.	Point noted and will be complied.
5	All the recommendations and suggestions given by the NIO in its marine environment impact assessment reports shall be implemented strictly by M/s MPSEZ.	Point noted and will be complied.
6	The effluent not meeting with the GPCB norms shall not be discharged and shall be stored in the guard ponds and recycled back into the Effluent Treatment Plant for further treatment to achieve the GPCB norms. The MPSEZ shall install necessary facilities for this purpose and strictly ensure the compliance with the GPCB norms, round the clock.	Being Complied. Effluent treated in CETP meets with GPCB norms and it is used for gardening / horticulture purpose within SEZ premises.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Compliance Status of CRZ Recommendation given by GCZMA for the Project "Desalination, Sea Water Intake, Outfall Facility and Pipeline" issued vide Letter No. ENV-10-2010-1601-E dated 27th March 2012

Sr. No.	Specific Conditions	Compliance Status as on 30-09-2015
7	Comprehensive Environment Impact Assessment Report shall be submitted to this department and recommendations / suggestions given in it shall be implemented.	Cumulative impact assessment report of Mundra region including SEZ area as well as other industry in the surrounding is being prepared. After completion of study the report will be submitted to concern authority. Recommendations/suggestions given in the report will be implemented.
8	The construction debris and sewage generated during the construction phase shall not be discharged into the creek, sea and estuary or into the CRZ area. The debris shall be removed from the construction site immediately after the construction is over and shall be disposed of as per the guidance of the GPCB.	Point noted and will be complied.
9	The construction camps shall be located outside the CRZ area and the construction labours shall be provided with the necessary amenities, including sanitation, water supply and fuel and it shall be ensured that the environmental conditions are not deteriorated by the construction labours.	All necessary infrastructure and facilities like fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. will be provided during construction phase.
10	The ground water shall not be tapped to meet with the water requirements during construction or operation phase in any case.	Complied. Source of Water: Narmada water through GWIL and Desalination Plant.
11	A disaster management plan to meet with any eventualities that may arise during construction and/or operation phase shall be prepared and implemented.	Point noted and will be complied.
12	The pipeline shall be monitored regularly by the company and it shall be ensured that there is no leak form the pipeline. In case of any eventualities, the company shall immediately stop disposal through the said channel and take the corrective measures in consultation with the GPCB and District Collector.	Point noted and will be complied.

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Compliance Status of CRZ Recommendation given by GCZMA for the Project "Desalination, Sea Water Intake, Outfall Facility and Pipeline" issued vide Letter No. ENV-10-2010-1601-E dated 27th March 2012

Sr. No.	Specific Conditions	Compliance Status as on 30-09-2015
13	Necessary permission from different departments / agencies under different laws / acts shall be obtained before commencing the construction / pipeline laying activities.	Point noted and will be complied.
14	A separate environment cell with equipped personnel shall be created to implement the environment management plan and separate budget shall be provided for this purpose.	APSEZL has a well structured Environment Management Cell, staffed with qualified manpower for implementation of the Environment Management Plan. Allocation of separate budget will also be done.
15	The cost of the external agency that may be appointed by the department for supervision / monitoring of the project activities during construction / operational phases shall be borne by M/s MPSEZ.	Point noted and will be complied.
16	Massive greenbelt development program including the mangrove plantation in 200 ha shall be carried out in consultation with the Gujarat Ecology Commission / Forest Department by M/s MPSEZ or the MPSEZ shall develop or participate in the Bio-Shielding projects to be taken up by the Department through MS university.	<p>100 Ha. mangrove plantation is being carried out by SAVE at Tala Tadav village of Khambhat Taluka of Anand district.</p> <p>100 Ha. mangrove plantation is being carried out by GEC at Vadagam village of Khambhat Taluka of Anand district.</p> <p>Both activities are expected to be completed by next plantation season.</p> <p>APSEZL has developed its own "Dept. of Horticulture" and is taking better measures/steps to improving environment. So, far APSEZL have developed total 341.45 ha area as green belt with plantation of 613334 of tree & palm saplings in APSEZ premises and further green belt area will be developed as per development plan of SEZ.</p>

	Adani Ports and Special Economic Zone Limited, Mundra.	From : October,15 To : March,16
Status of the conditions stipulated in Environment and CRZ Clearance		

Compliance Status of CRZ Recommendation given by GCZMA for the Project "Desalination, Sea Water Intake, Outfall Facility and Pipeline" issued vide Letter No. ENV-10-2010-1601-E dated 27th March 2012		
Sr. No.	Specific Conditions	Compliance Status as on 30-09-2015
17	A large scale socio-economic upliftment program in consultation with the District Collector / DDO shall be carried out. A separate budget shall be provided for this purpose and details be furnished to this Department from time to time.	APSEZL is carrying out various CSR activities through Adani Foundation. Details of CSR activities carried out by Adani Foundation for Mundra and surrounding area is attached as Annexure – 9.
18	Environmental Audit report shall be submitted every year. The report shall also cover the change in the coastal and marine environment enroute the proposed pipeline and around disposal point due to commissioning of the proposed activities.	Point noted & will be complied.
19	A six monthly progress reports regarding the compliance of the conditions shall be submitted to this department.	Point noted and will be complied.
20	Any additional condition that may be imposed by this department / MoEF, GOI from time to time shall have to be complied with by M/s MPSEZ.	Point noted and will be complied.

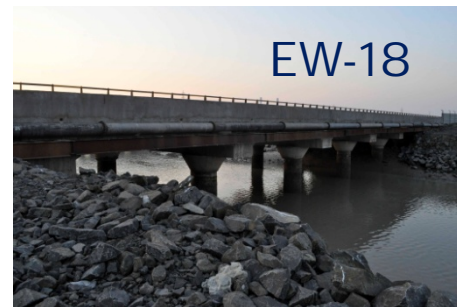
Annexure – 1

Culverts & Bridge

APSEZL has so far constructed 19 culverts having total length of approx. 1100 m and total cost of Rs. 20 Crores.



Culverts & Bridge





Three RCC Bridges have been constructed over Kotdi creek with total length of 230 m and cost of Rs. 10 Crores.



Kotdi
Creek



Outfall of
APSEZL

Outfall of APSEZL and free flowing Kotdi Creek

Annexure – 2

F. No. 10-47/2008-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA - III Division)

To

Dated: 18th September, 2015

M/s Adani Port and SEZ Ltd
Adani House, Near Mithakhali Six Roads,
Navarangpura, Ahmedabad,
Gujarat- 380 009.

ORDER

Subject: Order on the Show Cause Notices dated 15.12.2010 and 30.09.2013 issued for alleged violations --Reg.

Reference: (i) Show Cause Notice dated 15.12.2010 issued to M/s Adani Port and SEZ Limited (Formerly Mundra Port and SEZ Limited); and

(ii) Show Cause Notice dated 30.09.2013 issued to M/s Adani Port and SEZ Limited and Gujarat Maritime Board

Whereas, Ministry had granted Environment and CRZ clearance on 12.01.2009 to M/s Adani Port and SEZ Limited (Formerly Mundra Port and SEZ Limited) for the development of Port facilities at Mundra, District Kutch, Gujarat.

2. Whereas, on representation from Shri Bharat Patel, General Secretary, Machchhi Mar Adhikar Sangarsh Sangathan, Ministry conducted a site inspection on 06-07th December, 2010. The Site inspection revealed certain violations related to construction of airport, township, and hospital and destruction of mangroves. On 15.12.2010, a Show Cause Notice was issued to the project authorities followed by a direction on 23rd February, 2011 to project authorities not to undertake any reclamation activity and not to initiate any new construction work in the CRZ area.

3. Whereas, Kheti Vikas Sewa Trust filed PIL No. 12 of 2011 in the High Court of Gujarat alleging violation of Environment / CRZ Clearance by M/s Adani Port and SEZ Limited. Hon'ble High Court passed an order directing inquiry into the alleged destruction of mangroves by project authorities and imposed stay on development works. The inquiry was conducted by a Committee comprising Member Secretary, Gujarat Coastal Zone Management Authority (GCZMA) and PCCF, Gujarat. Based on the report of the Committee, the Hon'ble High Court passed an interim order according to which project authority was permitted to carry out development activities in certain portions of the project areas. The areas in which work could be carried out and the prohibited areas had been marked on a map, mentioned in the Hon'ble High Court order.

4. Whereas, in the affidavit filed by the Ministry in the Hon'ble High Court of Gujarat, it was submitted that 'the issues related to destruction of mangroves, shore-line changes due to

reclamation, seismic/tsunami events, socio-economic implications etc. need to be examined by a multi-disciplinary committee of experts /relevant institutions.'

5. Whereas, complaints from Kheti Vikas Sewa Trust had also been received directly in the Ministry regarding impact on environment by the project activities of M/s Adani Port and SEZ Ltd.

6. Whereas, in view of the seriousness of the issues involved in the matter, Ministry constituted a five member Committee to make a site visit, to conduct an inspection and submit the report to MoEF.

7. Whereas, the Committee submitted its report on 18.04.2013 with various recommendations.

8. Whereas, M/s Adani Port and SEZ Ltd. had submitted its response / action plan on the recommendations of the report.

9. Whereas, Ministry after detailed examination of the recommendations made by the committee, response submitted by M/s Adani Port and SEZ Ltd., and has accepted the recommendations of the Committee.

10. Accordingly, the Ministry had issued Show Cause Notice with the following direction on 30.09.2013 under Section 5 of the Environment (Protection) Act, 1986:

- (i) North Port area and Bochha Island should be declared as conservation zone and that the area should be protected. All the creeks, water bodies and reclaimed land should be restored and brought back to pre- 2005 status within six months.
- (ii) Submit details of the airstrip/ aerodrome including the location with coordinates, facilities, dimensions etc. along with the details of clearances obtained.
- (iii) Ensure that all the projects constructed within the SEZ should possess EC under EIA Notification, 2006 as applicable. The details shall be submitted.
- (iv) Prepare a specific action plan to protect the livelihood of fishermen whose marine ecology, and catch and access to the sea have been seriously affected by the violations committed by the Project Proponent within six months with a specific plan for fishermen, their access and protection of their livelihood. The plan should include a clear schedule of implementation and monitoring. Further, APSEZ Ltd shall provide necessary support for the development of exclusive fishing harbour as Badreshwar.
- (v) Carry out Cumulative Impact Assessment studies under the supervision of the State Government for the projects already granted so that future developments can be assessed for clearance based on cumulative impacts. Shall submit proposed ToRs for the approval of MoEF through State Environment Department.
- (vi) Shall consider the voluntary return of Gauchar or village common land and also invest in improving productivity of this land with villagers.
- (vii) APSEZ Ltd shall submit Disaster Management Plan of the different projects to the State Government so as to enable the State Government to put in place a District Disaster Management Plan to ensure human safety in and around the project area.
- (viii) As a deterrent for non-compliance and violations, APSEZ Ltd shall set up an Environment Restoration fund- distinct and separate from CSR activities under Company Law- amounting to Rs. 200 crores or 1% of project cost, whichever is

higher, to be used for remediation of environmental damage in Mundra. The Fund will be operated under the Chairmanship of Secretary E&F, and will include following activities as enumerated by the Committee.

- (a) Protection of marine ecology;
- (b) Protection and conservation of mangroves, including development of new mangrove conservation areas;
- (c) Restoration and conservation of creeks;
- (d) Independent studies and monitoring of the entire project areas, including cumulative impacts and public data disclosure systems.
- (e) Social infrastructure and livelihood support for fishers community, including development of access of fishers from their temporary settlements to villages".

11. Whereas, it was also decided to keep the clearance granted to North Port in abeyance pending decision on the Show Cause Notice and further directed to maintain status quo ante for any constructions/development in the North Port site.

12. Whereas, Gujarat Maritime Board (GMB) was found to be in legal possession of some of the land in the project area of M/s APSEZ Ltd and as well as having operation in the area surrounding to that of M/s APSEZ Ltd, the of GMB was also issued Show Cause Notice on 30.09.2013.

13. Whereas, the comments and responses from Gujarat Maritime Board and GCZMA were also received on the relevant issues including upon the responses and action plan submitted by M/s APSEZ Ltd.

14. **Analysis of the responses of Project Proponent on the issues raised in SCN dated 30.09.2013:**

Issue (i): North Port area and Bochha Island should be declared as conservation zone and the area should be protected. All the creeks, water bodies and reclaimed land in these areas should be restored and brought back to pre- 2005 status within six months.

Response of APSEZL, Project Proponent(PP)

APSEZL has informed that North Port area is not in their possession. APSEZL has committed to conserve 88 ha of mangrove area of Bocha Island as per the EIA studies carried out by NIO in terms of EC dated 12/19.1.2009 for Waterfront Development Project.

Response of GMB with respect to Show Cause Notice issued to them on 30.09.2013:

Bocha Island, Bocha creek and surrounding creek-lets are extensively used by Fishermen which necessitate maintenance dredging from time to time. It would be unwise to do restoration for those stray mangroves which did not exist prior to 1980 since fish production in this area has increased. However, for restoration of the same stray mangroves, it is advisable to carry out Environmental Impact Assessment Studies through a nationally reputed institute and under their guidance, restoration activities can be carried out as the area falls in CRZ.

Total area of 1114 acres of land acquired for port development, consists of (a) Bocha Island admeasuring 718 acres and (b) the adjoining land admeasuring 396 acres under reference. Out of 718 acres of area, around 211 acres (88 Ha) of area is mangrove conservation area for Adani Ports and SEZ Ltd. GMB has proposed that the remaining area of approximately 500 acres for mangrove afforestation be declared as conservation area and suggested that existing 396 acres of

land may be utilized for permissible activities for port after securing fresh Environment and CRZ clearance.

Analysis

GMB has not committed on restoration of creeks and asked the Ministry to commence a scientific study. Request of GMB to utilize 396 acres is not accepted since it may add load / impact on the Bocha Island.

In order to maintain the existing creeks systems and mangroves, a comprehensive and integrated conservation plan including detailed bathymetry study and protection of creeks/ mangrove area including buffer zone, mapping of co-ordinates, running length, HTL, CRZ boundary should be put in place. The plan should take note of all the conditions of approvals granted to all the project proponents in this area e.g. the reported case of disappearance of mangroves near Navinal creek. The preservation of entire area to maintain the fragile ecological condition should be a part of the plan in relation to the creeks, mangrove conservation and conservation of Bocha Island upto Baradimata and others. Bocha Island, ecologically sensitive geomorphological features and areas in the island and creeks around the Island should be declared as conservation zone.

NCSCM should prepare the plan in consultation with NIOT, PP and GCZMA. The plan should be financed by the PP. The implementation should be carried out by GCZMA. The monitoring of the implementation should be carried by NCSCM

Issue (ii): Details of the airstrip/ aerodrome including the location with coordinates, facilities, dimensions etc. along with the details of clearances obtained

Response of PP

PP submitted details on the airstrip/aerodrome including the location with coordinates, facilities, dimensions etc. along with the details of clearances obtained.

Analysis

This relates to the SEZ project and hence was dealt separately.

Issue (iii): Ensure that all the projects constructed within the SEZ should possess EC under EIA Notification, 2006 as applicable. The details shall be submitted.

Response of PP

PP has submitted the details of projects and the documents in support of requirement of approvals including EC, wherever necessary.

Analysis

The issue of clearance to SEZ along with connected court matters were dealt separately.

Issue (iv) Prepare a specific action plan to protect the livelihood of fishermen whose marine ecology, and catch and access to the sea have been seriously affected by the violations committed by the Project Proponent within six months with a specific plan for fishermen, their access and protection of their livelihood. The plan should include a clear schedule of implementation and monitoring. Further, APSEZ Ltd shall provide necessary support for the development of exclusive fishing harbour as Badreshwar.



Response of PP

APSEZ has informed that it never restricted or created any hindrance to any authorized fishermen for approaching the sea for their fishing related activities and has provided specific approach corridors for fishermen movement through their area. Additionally, PP has been working with all the fishermen groups in Mundra for providing them livelihood support for their socio-economic upliftment, healthcare, education and infrastructure facilities

Analysis

PP has not submitted specific action plan as sought. PP has submitted only the details of the approach corridors developed for fishermen along with the year of construction and cost. PP has stated that they are working with all fishermen groups in Mundra for providing them livelihood support for their Socio- economic upliftment. PP should submit specific action plan to protect the livelihood of fishermen along with budget.

Issue (v) Shall consider the voluntary return of Gauchar or village common land and also invest in improving productivity of this land with villagers.

Response of PP

After discussion with local people of Zarpara village, APSEZ has voluntarily given back approx. 400 acres of land to Zarpara village for gauchar purpose, in spite of the fact that the Hon'ble Supreme Court of India has dismissed the appeal of villagers challenging the allotment of Gauchar land. APSEZ will always eager to help them in the best possible manner. APSEZ will consider the suggestion and do the needful.

Analysis

Since PP agreed to the recommendation, time limit may be specified to comply.

Issue (vi) APSEZ Ltd shall submit Disaster Management Plan of the different projects to the State Government so as to enable the State Government to put in place a District Disaster Management Plan to ensure human safety in and around the project area.

Response of PP

APSEZ has already prepared Disaster Management Plan which has been already submitted to State Disaster Management Authority.

Analysis: None

Issue(vii) As a deterrent for non-compliance and violations, APSEZ Ltd shall set up an Environment Restoration fund- distinct and separate from CSR activities under Company Law- amounting to Rs. 200 crores or 1% of project cost, whichever is higher, to be used for remediation of environmental damage in Mundra

Response of PP

There is no non-compliance or violation of the terms of the environmental clearance dated 12/19.1.2009. Therefore, PP has requested that the Ministry should reconsider the setup of environmental restoration fund for an amount of Rs.200 crores which has been subjectively arrived at. PP has spent substantial amount in various activities for socio environment development.

PP requested for substantial reduction in the amount of development fund keeping in mind their CSR contributions as well as the challenge faced by the infrastructure sector in the current

economic scenario. PP is open to suggestions of any concrete projects and proposals which may meet the objects and purpose of environment and well-being of people at large.

Analysis

The Multi-disciplinary Committee apart from violation on North Port area, has pointed out degradation in the mangrove conservation area near the lighthouse at the South port.

Further, the High Court of Gujarat in PIL 12 of 2011, based on the site visit report by a Committee, imposed stay on carrying construction in certain area near south port. The case is pending.

In view of the above, it can be concluded that the response of the PP that 'there is no non-compliance or violation of the terms of EC' is incorrect. The violations of specific condition of all the ECs and CRZ clearance, should be proceeded with the provision of EP Act, 1986 independently.

The existing legal provisions under the Environment (Protection) Act, 1986 do not provide for any authority to impose ERF by the Government.

Analysis of the issue raised in SCN dated 15.12.2010: Location of Samundra / Sterling with respect to CRZ based on the earlier observation by MoEF site visit.

Analysis

The GCZMA was asked for reassessment of the matter relating to location of Samundra township/sterling hospital with respect to CRZ boundary.

According to report of GCZMA dated 13.2.2014, a Committee was constituted consisting GCZMA, Director, BISAG, Gandhinagar, Officer from Space Application Centre, ISRO, Ahmedabad, District Inspector of Land Record, Collector, Kutch, Town Planning Officer, Kutch, to review and make reassessment of the matter relating to Samudra Township/ Sterling hospital. The Committee made site visits, collected coordinates, prepared map in 1: 2000 scale and overlapped on CRZ map prepared by CESS by DILR. The report of the committee was discussed in the Gujarat CZMA meeting which decided to forward it to MoEF.

It is noted that the township and Hospital were located beyond CRZ boundary.

Analysis of other recommendations of the Committee:

(i) Carry out Cumulative Impact Assessment studies under the supervision of the State Government for the projects already granted so that future developments can be assessed for clearance based on cumulative impacts. Shall submit proposed ToRs for the approval of MoEF through State Environment Department.

It was recommended that the State Government shall guide and supervise the Cumulative Impact Assessment studies to be undertaken by the APSEZL for the project already granted so that future developments can be assessed for clearance based on cumulative impacts.

According to the Director, Environment, GOG, the Committee constituted to finalize the action plan and modalities of the Environmental Restoration Fund including GMB will supervise the Cumulative Impact Assessment studies. Draft TORs would be asked from APSEZL to examine and finalised the same after including suggestions of the Committee.




(ii) There is a need to create a monitoring system to ensure that corrective action suggested by this report is taken within a time-bound manner

It was recommended to set up a joint monitoring committee of GCZMA, GPCB and RO Bhopal to carry out monitoring of development / compliance of the conditions and directions for two years. GCZMA replied vide letter dated 24.12.2013 that it was decided to constitute the committee as suggested.

15. In having taken note of the entire facts of the case as elaborated above, the following directions are issued:

- i. *The proposal of extension of the validity of Environmental clearance granted to the North Port vide letter dated 12.1.2009 will be considered separately at a later stage.*
- ii. *Bocha Island, ecologically sensitive geomorphological features and areas in the Island and creeks around the Island will be declared as conservation zone and action plan for its conservation must be prepared. M/s APSEZ should provide necessary financial assistance for this purpose.*
- iii. *The violations of specific condition of all the ECs and CRZ clearances, if any, will be examined and proceeded with the provision of EP Act, 1986 independently.*
- iv. *A comprehensive and integrated conservation plan including detailed bathymetry study and protection of creeks/ mangrove area including buffer zone, mapping of co-ordinates, running length, HTL, CRZ boundary will be put in place. The plan will take note of all the conditions of approvals granted to all the project proponents in this area e.g. the reported case of disappearance of mangroves near Navinal creek. The preservation of entire area to maintain the fragile ecological condition will be a part of the plan in relation to the creeks, mangrove conservation and conservation of Bocha Island up to Baradimata and others.*
- v. *NCSCM will prepare the plan in consultation with NIOT, PP and GCZMA. In recognition of the fact that the existing legal provisions under the E(P) Act 1986 do not provide for any authority to impose ERF by the Government, the plan will be financed by the PP. The implementation will be carried out by GCZMA. The monitoring of the implementation will be carried by NCSCM.*
- vi. *There will be no development in the area restricted by the High Court of Gujarat. APSEZ shall abide by the outcome of the PIL 12 of 2011 and other relevant cases.*
- vii. *APSEZ will submit specific action plan to protect the livelihood of fishermen along with budget.*
- viii. *APSEZ will voluntarily return the grazing land, if any, in their possession.*
- ix. *A regional strategic impact assessment report with a special focus on Mundra region will also be prepared. The cost towards these studies will also be borne by the PP.*
- x. *In the subject matter of thermal power plant, the proposed regional strategic impact assessment analysis will take in to account salinity aspect along with its potential environmental impact to suggest future corrective actions as well as the guiding tool on extension and addition of the capacities.*

16. The show -cause notices to the APSEZL are disposed of.


(Bishwanath Sinha)
Joint Secretary

Copy to

1. The Principal Secretary, Forests and Environment Department, Government of Gujarat, Sachivalaya, Gandhinagar- 382010, Gujarat
2. The Chairman, Gujarat Coastal Zone Management Authority & Principal Secretary, Forests and Environment Department, Government of Gujarat, Sachivalaya, Gandhinagar- 382010, Gujarat
3. Gujarat Maritime Board, GMB Head Quarters, Sector 10-A, Gandhinagar - 382 010, Gujarat

Annexure – 3

23rd May 2016

The Joint Secretary – IA.III
Ministry of Environment, Forests and Climate Change,
Government of India,
Indira Paryavaran Bhawan,
Jor Bagh Road,
New Delhi – 110 003.

सी. आर. अनुभाग द्वारा प्राप्त किया
Received by CRZ Section
पर्यावरण, वन, जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forests & Climate Change
भारत सरकार / Govt. of India
इन्दिरा पर्यावरण भवन / Indira Paryavaran Bhawan
जोरबाग रोड, जलीमज / Jorbagh Road, Aligarh
नई दिल्ली / New Delhi-110003

① X 25/5/16

Subject: Condition (iv), (v) and (vi) under specific condition imposed as part of the Environmental / CRZ clearance for the Multi Product SEZ and desalination project at Mundra

Reference: EC & CRZ clearance dated 15.7.2014 to Multi-Product SEZ at Mundra

Dear Sir,

We refer to the specific condition nos. (iv), (v) and (vi) in the EC & CRZ clearance dated 15.7.2014 granted to Multi-Product SEZ at Mundra (copy attached as **Annexure - 1**) and would like to submit as under.

The Ministry appointed a committee headed by Ms. Sunita Narain for inspection of M/s. Adani Ports and SEZ Ltd, Mundra. The committee submitted its report and the Ministry issued a show cause notice dated 30.9.2013 (copy attached as **Annexure - 2**).

In the said show cause notice dated 30.9.2013, it was stated that "*North Port area and Bocha Island should be declared as conservation zone and the area should be protected. All the creeks, water bodies and reclaimed land in these areas should be restored and brought back to pre- 2005 status within six months*".

While the said show cause notice dated 30.9.2013 was pending for adjudication, the EC & CRZ clearance dated 15.7.2014 was granted to Multi-Product SEZ at Mundra, inter alia, on the following specific conditions, amongst others.

"(iv) Bring the creeks to the condition as was seen in the satellite map of 2005 which will be a "reference" satellite map and a copy of which shall be sent to you separately.

(v) Submit once in a year latest satellite map which can be compared with the reference satellite map of 2005 to ensure that no modification in the creeks, rivers, mangroves and mouth of creeks has taken place.

(vi) Any direction issued by the MoEF with respect to the report submitted by Ms. Sunita Narain Committee shall be complied with by the Proponent as applicable."



As is evident, the aforesaid conditions were imposed in the said EC & CRZ clearance dated 15.7.2014 because of the pendency of the same issue for consideration with the Ministry at the relevant time. Subsequently, the Ministry adjudicated the show cause notice and passed final order dated 18.9.2015 (copy attached as **Annexure - 3**) whereby it issued certain directions and disposed of the said show cause notice dated 30.9.2013.

In respect to the issue of restoring all the creeks, water bodies and reclaimed land in these areas and bringing back it to pre-2005 status within six months, the Ministry has passed the following directions in its order dated 18.9.2015.

iv. A comprehensive and integrated conservation plan including detailed bathymetry study and protection of creeks/mangrove area including buffer zone, mapping of co-ordinates, running length, HTL, CRZ boundary should be put in place...

v. NCSCM will prepare the plan in consultation with NIOT, PP and GCZMA. In recognition of the fact that the existing legal provisions under the E(P) Act 1986 do not provide for any authority to impose ERF by the Government, the plan should be financed by PP. The implementation should be carried out by GCZMA. The monitoring of the implementation should be carried by NCSCM.

The Ministry has now adjudicated the issue of restoring all the creeks, water bodies and reclaimed land in these areas and bringing back it to pre-2005 status in terms of its final order dated 18.9.2015 as above and thus, any conditions in respect of bringing the creeks and water bodies area at Mundra back to pre-2005 condition, including that in the EC & CRZ clearance dated 15.7.2014, should be consistent with the final order dated 18.9.2015 of the Ministry in this regard.

In view of the above and also the condition no (vi) of the EC & CRZ clearance dated 15.7.2014, we humbly state and submit that the special condition nos. (iv) and (v) of the EC & CRZ clearance dated 15.7.2014 granted to Multi-Product SEZ at Mundra have become redundant and are not required to be complied with.

Kindly acknowledge receipt of this letter.

Thanking you.

Shalin Shah
Head, Environment

Annexure – 4

Compliance Report of MoEF & CC Order dated 18.09.2015

Sr. No.	Condition	Compliance Status
i	The proposal of extension of the validity of environmental clearance granted to the North Port vide letter dated 12.01.2009 will be considered separately at later stage.	Point Noted
ii	Bocha island, ecologically sensitive geomorphological features and areas in the island and creeks around the island will be declared as conservation zone action plan for its conservation must be prepared. M/s. APSEZ should provide necessary financial assistance for this purpose.	APSEZL approached NCSCM to carry out the said study. Sr. Scientist have done site visit and based on the same they have submitted their proposal. Said proposal was discussed with GCZMA in their 28 th committee meeting on 22 nd April'2016. NCSCM will now initiate the study as per the scope defined in the proposal.
iii	The violations of specific condition of all the ECs and CRZ clearances, if any, will be examined and proceeded with the provisions of EP Act, 1986 independently.	Point noted
iv	A comprehensive and integrated study and protection of creeks/ mangrove area including buffer zone, mapping of co-ordinates, running length, HTL, CRZ boundary, will be put in place. The plan will take note of all the conditions of approvals granted to all the project proponents in this area e.g. the reported case of disappearance of mangroves near navinal creek. The preservation of entire area to maintain the fragile ecological condition will be a part of the plan in relation to the creeks, mangrove conservation and conservation of bocha island up to baradimata and others.	APSEZL approached NCSCM to carry out the said study. Sr. Scientist have done site visit and based on the same they have submitted their proposal. Said proposal was discussed with GCZMA in their 28 th committee meeting on 22 nd April'2016. NCSCM will now initiate the study as per the scope defined in the proposal.
v	NCSCM will prepare the plan in consultation with NIOT, PP and GCZMA. In recognition of the fact that the existing legal provisions under the E(P) Act 1986 and do not provide for any authority to impose ERF by the government, the plan will monitoring of the implementation will be carried by NCSCM.	
vi	There will be no development in the area restricted by the High court of Gujarat. APSEZ shall abide by the outcome of the PIL 12 of	Subject PIL has been disposed off by Hon'ble High Court and therefore no impact.

Sr. No.	Condition	Compliance Status
	2011 and other relevant cases.	
vii	APSEZ will submit specific action plan to protect the live hood of fisher man along with budget.	APSEZ has submitted a specific action plan to protect livelihood of fisher man with a budget allocation of INR 13.5 Cr. vide letter dated 12.04.2016. Copy of the same is annexed as Annexure - 4(A) .
viii	APSEZ will voluntarily return the grazing land, if any, in their possession.	Point noted
ix	A regional strategic impact assessment report with a special focus on Mundra region will also be prepared. The cost towards these studies will also be borne by PP.	<p>Based on the terms of reference approved by GCZMA and submitted to MoEF&CC, work to carry out cumulative impact assessment study of Mundra region including SEZ area as well as other industries in the surroundings is awarded to NABET accredited consultant.</p> <p>Project cost is approx. INR 1.3 Cr to be spent over the period of one year. Necessary studies have already commenced from March, 2016. Baseline monitoring is conducted for the period Mar – May 2016. Secondary data collection is in progress. Study is expected to be completed by December 2016.</p> <p>After completion of study the report will be submitted to concern authority. Suggestions /recommendations given in the report will be implemented.</p>
x	In the subject matter of thermal power plant, the proposed regional strategic impact assessment analysis will take in to account salinity aspect along with its potential environmental impact to suggest future corrective actions as well as the guiding tool on extension and additional of the capacities.	Point noted and will be covered under the CIA study proposed at point no. ix above.

Annexure – 4A



सी. आर. अनुभाग द्वारा जारी किया
Issued by CR Section
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forests & Climate Change
भारत सरकार / Govt. of India
इन्दिरा पर्यावरण भवन / Indira Paryavarana Bhavan
जोर्बाग रोड, अलीगंज / Jorbagh Road, Aliganj
नई दिल्ली / New Delhi-110003

12.04.2016

To,
Director (IA-III)
Ministry of Environment, Forests & Climate Change, Govt. of India
Indira Paryavarana Bhavan,
Jorbagh
New Delhi – 110 003

Subject: Compliance of direction no. vii (specific action plan for livelihood of fishermen)

Reference: (1) Our submission to MoEF&CC vide letter dated 10.01.2014
(2) MoEF&CC letter no. F. No. 10-47/2008-IA-III, dated 18.09.2015

Dear Sir,

Details with respect to livelihood of fishermen were submitted to MoEF&CC vide above mentioned reference 1. However as per the direction no. vii, of the order dated 18.09.2015 (reference 2), a specific action plan to protect the livelihood of fishermen is prepared and attached here as **Annexure – 1** along with budget allocated for the next five years is also attached as **Annexure – 2**.

We therefore kindly request you to consider our submission as compliance against the direction no. vii of the above mentioned order.

Thanking you,
Yours faithfully,

Shalin Shah
Head – Environment

Annexure – 5



Dr. N.S. Raman
Deputy Director & Head
Environmental Audit Cell

राष्ट्रीय
पर्यावरण
अभियांत्रिकी
अनुसंधान
संस्थान
नेहरू मार्ग
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भारत

National
Environmental
Engineering
Research
Institute
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Nagpur 440 020
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Ph. : (0712) 2249885
(0712) 2249886 ext. 247
Fax : (0712) 2249900
email : ns_raman @neeri.res.in



Date: 28.02.2016

To,
Head – Environment,
M/s. Adani Ports and Special Economic Zone Limited,
Adani House, Nr. Mithakhali Six Road,
Navarangpura,
Ahmedabad – 380009.

Sub: Status of SEZ Environment Clearance compliances

Ref:

1. SEZ Environment Clearance bearing MoEF letter No. 10-138/2008-IA.III, dated 15th July, 2014 (Specific condition No. vii)
2. SO No. 5700146877, dated 20.03.2015

With reference to above stated subject and references, work has been awarded to us for inspection studies though environment clearance compliance audit for at Multi Product SEZ of M/s. Adani Ports & SEZ Limited, Mundra with reference to EC Condition No. vii (*At its cost get Inspection study done once in a year by the organizations like NEERI or any organization approved by this Ministry to - (i) ensure compliance of all the EC conditions (ii) development of SEZ meeting of the environment norms, and (iii) advise any mid-term correction that can be introduced depending on the recommendation of the independent Third Party*).

In context of this condition our technical team has done site visit of SEZ during the period of October-2015 to March-2016 and concluded that all the conditions stipulated in environment clearance has been complied and there is no violation of any condition. The compliance report for the period April – September, 2015 was reviewed by us and found adequate. It was further assessed from the monitoring reports submitted to us as part of the compliance report that all the environmental norms meet the applicable standards. The existing practices shall be continued in future as well to ensure meeting with the applicable norms.

Regards,

Yours faithfully,

(Dr. N.S. Raman)

Annexure – 6



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector 10-A, Gandhinagar 382010

Phone : (079) 23226295

Fax : (079) 23232156

website : www.gpcb.gov.in

BY R.P.A.D.

"Consent to Establishment" (NOC)

CTE - 46449

NO: GPCB/CCA-KUTCH-1044/ GPCB ID 31463/ 109800

DATE:- 16-04-2012

To,

M/S MUNDRA SEZ LIMITED

ADANI HOUSE, MITHAKALI CIRCLE,

NAVARANGPURA,

DIST: AHAMEDABAD – 380 009

SUB: **Consent to Establishment (NOC)** under Section 25 of Water Act 1974 and Section 21 of Air Act 1981.

REF: Your CTE Application Inward ID No. 55079 dated 12/03/2012

Sir,

Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986 and without reducing your responsibilities under the said Acts in any way, this is to inform you that this Board grants **Consent to Establish (NOC)** for **DEVELOPMENT OF MULTI PRODUCT SEZ FOR 8481.27 HECTORS AREA OF SEZ (1ST PHASE)** at MUNDRA, DIST: KUTCH

1. The validity period of the order shall be up to 16-02-2017.

SUBJECT TO THE FOLLOWING SPECIFIC CONDITIONS:

1. You shall have to comply with all the conditions as prescribed in your Environment Clearance and CRZ Clearance when it is granted to you.
2. You shall have to lay treated water disposal pipeline up to the point suggested by National Institute of Oceanography (NIO) and treated effluent meeting with the norms prescribed by Gujarat Pollution Control Board at the point recommended by NIO shall only be discharged.
3. The applicant shall have sea water intake with following coordinates
220 48' 30.76" N 690 46' 34.06" E
4. Effluent not meeting with the GPCB norms shall not be discharged and shall be stored in the guard pond and recycled back into Effluent Treatment Plant for further treatment to achieve GPCB norms.
5. All the condition mentioned in the CRZ Clearance Recommendation of Department of Forest and Environment, Government of Gujarat vide letter number ENV-10-2010-1601-E dated 27-03-2012 shall have to be complied with.
6. Unit shall have to provide continues monitoring system for effluent quality specifically with respect to salinity and temperature.

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ISO - 9001 - 2008 & ISO - 14001 - 2004 Certified Organisation

7. The quantity of sea water intake shall not exceed **375.00 MLD**
8. No ground water shall be used for the project coming under Dark zone without permission of competent authority.

2. CONDITIONS UNDER WATER ACT 1974:

- 2.1 The quantity of the industrial effluent from the desalination operation shall not exceed **225.00 MLD.**
- 2.2 The quantity of the treated effluent from the CETP after utilizing for plantation and gardening which is to be discharged into sea water outfall shall not exceed **16.00 MLD.**
- 2.3 The quantity of the domestic waste water (Sewage) shall not exceed **62 KL/Day and shall be utilized for plantation and gardening only after giving adequate treatment in Sewage Treatment Plant.**

2.4 TRADE EFFLUENT

- 2.4.1 You shall have to provide adequate effluent treatment for in order to achieve the quality of the treated effluent as per GPCB norms mentioned in column No – 2 of the below table for discharging into sea water outfall.

Column No. 1	Column No. 2
PARAMETERS	PERMISSIBLE LIMIT FOR DISCHARGE INTO SEA
pH	5.5 to 9.00
Temperature	45 °C at the discharge point
Colour (pt.co.scale units)	Remove as far as possible
Suspended Solids	100 mg / l
Oil & Grease	20 mg / l
Phenolic Compound	05 mg / l
Amonical Nitrogen	50 mg / l
BOD (3 Days at 27° C)	100 mg / l
COD	250 mg / l
Sulphides	05 mg / l
Total Chromium	02 mg / l
Hexavalent Chromium	01 mg / l
Copper	03 mg / l
Lead	01 mg / l
Mercury	0.01 mg / l
Nickel	05 mg / l
Zinc	15 mg / l
Cadmium	02 mg / l

All efforts shall be made to remove colour & unpleasant odour as far as practicable.



GUJARAT POLLUTION CONTROL BOARD

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2.5 The effluent from the outlet of desalination plant (225.00 MLD) and outlet of CETP (16.00 MLD) shall be discharged to deep sea through outfall system through a treated waste water disposal pipeline up to a point suggested by NIO.

2.6 The applicant shall extend their disposal point into the deep sea to a location through closed pipeline with the longitude and latitude as finalized by NIO with following coordinates

220 46' 44.04" N

690 45' 5.51" E

2.7 The CETP shall have and use only one outlet for the discharge of its effluent and no effluent shall be discharged without requisite treatment and without meeting with the GPCB norms prescribed in above table in column no. 2.

2.8 The outlet shall be kept near the front gate/entrance of the CETP.

2.9 The applicant shall install pH sensor based solenoid valve with alarm device at the inlet of Equalization Tanks. Emergency Tank shall be provided at the CETP for diverting effluent not meeting with the CETP inlet norms, in case of unforeseen circumstances.

2.10 The applicant shall also install pH sensor with alarm device at final out let to ensure that effluent being discharge is always neutral.

2.11 The applicant shall adopt best available technology for treatment of effluent.

2.12 The applicant shall carry out periodical maintenance of the distribution network for utilization of treated effluent on land for Gardening/ plantation purpose.

2.13 You shall submit potential hydraulic load of member units at every month.

2.14 You shall maintain the data for reuse of treated effluent within plant premises.

2.15 The unit shall provide metering facility at the inlet and outlet of CETP as well as RO plants and maintain the record as per Water Cess Rules-1977.

3. CONDITIONS UNDER AIR ACT 1981:

3.1 There shall be no use of fuel in manufacturing activity and other ancillary operations.

3.2 There shall be no flue gas emission from the manufacturing activity and other ancillary operations.

3.3 There shall be no process gas emission from the manufacturing activities and other ancillary operations.

3.4 The concentration of the following parameters in the ambient air within the premises of the industry shall not exceed the limits specified hereunder as per national Ambient Air Quality Emission Standards issued by Ministry of Environment and Forest dated 16th November-2009.

Sr. No.	Pollutant	Time Weighted Average	Concentration in Ambient air in µg/M ³
1.	Sulphur Dioxide (SO ₂)	Annual 24 Hours	50 80
2.	Nitrogen Dioxide (NO ₂)	Annual 24 Hours	40 80
3.	Particulate Matter (Size less than 10 µm) OR PM ₁₀	Annual 24 Hours	60 100
4.	Particulate Matter (Size less than 2.5 µm) OR PM _{2.5}	Annual 24 Hours	40 60

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- 3.5 The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75dB(a) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6a.m. and 10 p.m. and nighttime is reckoned between 10 p.m. and 6 a.m.

5. CONDITIONS UNDER HAZARDOUS WASTE:

- 5.1 The applicant shall provide temporary storage facilities and maintain the record for each type of Hazardous Waste as per Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 as amended from time to time.
- 5.2 The applicant shall obtain membership of common TSDF site for disposal of Hazardous Waste as categorized in Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 as amended thereof.

6. GENERAL CONDITION:

- 6.1 Unit shall develop green belt within premises as per the CPCB guidelines. However, if the adequate land is not available within premises, the unit shall tie up with local agencies like gram panchayat, school, social forestry office etc. for the plantation at suitable open land in nearby locality and submit an action plan of plantation for next three years to GPCB.
- 6.2 Adequate plantation shall be carried out all along the periphery of the industrial premises in such a way that the density of plantation is at least 1000 trees per acre of land and a green belt of 10 meters width is developed.
- 6.3 The applicant shall have to submit the returns in prescribed form regarding water consumption and shall have to make payment of water cess to the Board under the Water Cess Act- 1977.
- 6.4 In case of change of ownership/management the name and address of the new owners/partners/directors/proprietor should immediately be intimated to the Board.
- 6.5 **The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gaseous emission or sewage waste from the proposed industrial plant. The applicant is required to make applications to this Board for this purpose in the prescribed forms under the provisions of the Water Act-1974, the Air Act-1981 and the Environment (Protection) Act-1986.**
- 6.6 The applicant also comply with the General conditions as per Annexure - 1 attached herewith (No.1 to 38) (whichever applicable).
- 6.7 The overall noise level in and around the plant area shall be kept well within the standards by providing noise control measures including engineering control like acoustic insulation hoods, silencers, enclosures etc on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under the Environment (Protection) Act, 1986 & Rules.
- 6.8 Applicant is required to comply with the manufacturing, Storage and Import of Hazardous Chemicals Rules-1989 framed under the Environment (Protection) Act-1986.
- 6.9 If it is established by any competent authority that the damage is caused due to their industrial activities to any person or his property .in that case they are obliged to pay the compensation as determined by the competent authority.



GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN

Sector 10-A, Gandhinagar 382010

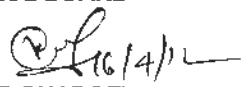
Phone : (079) 23226295

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website : www.gpcb.gov.in

- 6.10 Applicant shall have to comply with all the guidelines/Directive issued/ being issued by MoEF/CPCB/DoEF from time to time.
- 6.11 Applicant shall not use/withdraw ground water either during construction and /or operation phase.
- 6.12 Environmental cell shall be setup and shall be responsible for the total Environmental management.
- 6.13 Monitoring in respect to Air, Water, Noise level shall be carried out and results shall be submitted to this Board on quarterly basis.

For and on behalf of
GUJARAT POLLUTION CONTROL BOARD


(V.R.GHADGE)

SENIOR ENVIRONMENTAL ENGINEER

Clean Gujarat Green Gujarat

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Annexure – 7

Compliance Report of EMP & Mitigation Measures

Sr. No.	Condition	Compliance Status
1	Proper maintenance of vehicles & machineries. Preference for PUC certified vehicles only.	Being complied. Vehicles having a valid PUC only will be used during entire construction phase.
2	Trucks should be covered during transportation.	Point noted and being complied.
3	Vermicomposting of biodegradable and kitchen waste.	Kitchen waste from port is being converted to compost. Same practice will be adopted for the food waste generated from SEZ operations.
4	Applicable Regulatory Compliances.	Being complied regularly.
5	Follow Operational Protocols and Safety procedures.	Being complied regularly.
6	Periodic Monitoring.	Complied.
7	Noise levels during piling, transportation and erection of structures etc. should be kept at minimum.	Environment Monitoring is being carried out on regular basis in Port & SEZ area through NABL and MoEF accredited agency. Monitoring report for the period from October'15 to March'16 is attached as Annexure – 8.
8	Location is free from existence of reefs, mangrove or any such ecologically sensitive species so conventional method for laying seawater intake and effluent release can be adopted.	--
9	Work should be executed as per timeframe to avoid congestion of machineries and equipments.	Point noted.
10	Noise levels during piling, transportation and erection of structures etc. should be kept at minimum.	Complied. Environment Monitoring is being carried out on regular basis in Port & SEZ area through NABL and MoEF accredited agency. Monitoring report for the period from October'15 to March'16 is attached as Annexure – 8.

Sr. No.	Condition	Compliance Status
11	Maintain cleanliness to avoid spillage and maintain good sanitation facilities.	Point noted and complied.
12	Effluent release should be as per GPCB/CPCB norms.	The treated water from CETP confirms to the GPCB norms and the same is used for gardening / horticulture purpose within SEZ premises.
13	Locations should be adequately identified with marker buoys.	Point noted and will be complied.

Annexure – 8

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

RESULT OF AMBIENT AIR QUALITY MONITORING

Location & Parameter	Unit	Oct- 15	Nov-15	Dec-15	Jan-16	Feb-16	March-16	Test Method
T1 TERMINAL								
Respirable Particulate Matter (PM ₁₀)	µg/m ³	79.74	81.90	85.41	82.31	82.20	77.24	IS:5182(P23):Gravimetric CPCB - Method (Vol.I,May-2011)
Particulate Matter (PM _{2.5})	µg/m ³	37.95	39.14	44.81	39.56	45.35	41.75	Gravimetric- CPCB - Method (Vol.I,May-2011)
Sulphur Dioxide as SO ₂	µg/m ³	12.52	12.77	16.60	13.20	15.45	14.79	IS:5182(PII):Improved West and Gaeke
Oxides of Nitrogen as NO ₂	µg/m ³	28.26	30.53	30.84	31.95	26.75	31.08	IS:5182(PVI): Jacob & Hochheiser modified (NaOH-NaAsO ₂) Method
Carbon Monoxide as CO	mg/m ³	0.46	0.39	0.51	0.50	0.55	0.67	NDIR Digital Gas Analyzer
Hydrocarbon as CH ₄	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	SOP: HC: GC/GCMS/Gas analyzer
Benzene as C ₆ H ₆	µg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	IS 5182 (Part XI):2006/CPCB Method
NEAR FIRE STATION								
Respirable Particulate Matter (PM ₁₀)	µg/m ³	83.33	83.42	81.68	83.31	78.73	71.31	IS:5182(P23):Gravimetric CPCB - Method (Vol.I,May-2011)
Particulate Matter (PM _{2.5})	µg/m ³	41.91	40.77	42.02	40.98	39.57	34.11	Gravimetric- CPCB - Method (Vol.I,May-2011)
Sulphur Dioxide as SO ₂	µg/m ³	14.53	15.57	16.53	16.89	19.25	15.46	IS:5182(PII):Improved West and Gaeke
Oxides of Nitrogen as NO ₂	µg/m ³	30.95	33.18	31.73	33.57	29.11	31.84	IS:5182(PVI): Jacob & Hochheiser modified (NaOH-NaAsO ₂) Method
Carbon Monoxide as CO	mg/m ³	0.34	0.27	0.28	0.38	0.41	0.51	NDIR Digital Gas Analyzer
Hydrocarbon as CH ₄	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	SOP: HC: GC/GCMS/Gas analyzer
Benzene as C ₆ H ₆	µg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	2.32	IS 5182 (Part XI):2006/CPCB Method
PUB /ADANI HOUSE								
Respirable Particulate Matter (PM ₁₀)	µg/m ³	71.81	72.95	80.57	67.28	70.98	68.38	IS:5182(P23):Gravimetric CPCB - Method (Vol.I,May-2011)
Particulate Matter (PM _{2.5})	µg/m ³	34.12	37.13	41.44	31.52	33.93	34.21	Gravimetric- CPCB - Method (Vol.I,May-2011)
Sulphur Dioxide as SO ₂	µg/m ³	12.78	12.82	12.02	12.12	12.59	12.35	IS:5182(PII):Improved West and Gaeke
Oxides of Nitrogen as NO ₂	µg/m ³	29.02	31.31	23.12	30.17	27.18	30.31	IS:5182(PVI): Jacob & Hochheiser modified (NaOH-NaAsO ₂) Method
Carbon Monoxide as CO	mg/m ³	0.35	0.39	0.41	0.64	0.60	0.77	NDIR Digital Gas Analyzer
Hydrocarbon as CH ₄	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	SOP: HC: GC/GCMS/Gas analyzer
Benzene as C ₆ H ₆	µg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	IS 5182 (Part XI):2006/CPCB Method



H. T. Shah
Lab Manager




Dr. Arun Bajpai
Lab Manager (Q)

RESULT OF AMBIENT AIR QUALITY MONITORING

Location & Parameter	Unit	Oct- 15	Nov-15	Dec-15	Jan-16	Feb-16	March-16	Test Method
AIR STRIP								
Respirable Particulate Matter (PM ₁₀)	µg/m ³	67.92	77.19	75.31	67.92	72.08	72.15	IS:5182(P23):Gravimetric CPCB - Method (Vol.I,May-2011)
Particulate Matter (PM _{2.5})	µg/m ³	34.52	36.13	34.53	34.52	34.94	34.57	Gravimetric- CPCB - Method (Vol.I,May-2011)
Sulphur Dioxide as SO ₂	µg/m ³	13.65	12.67	13.92	13.65	14.15	10.57	IS:5182(PII):Improved West and Gaeke
Oxides of Nitrogen as NO ₂	µg/m ³	29.43	22.45	27.20	29.43	31.75	24.49	IS:5182(PVI): Jacob & Hochheiser modified (NaOH-NaAsO ₂) Method
Carbon Monoxide as CO	mg/m ³	0.36	0.21	0.29	0.36	0.31	0.34	NDIR Digital Gas Analyzer
Hydrocarbon as CH ₄	mg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	SOP: HC: GC/GCMS/Gas analyzer
Benzene as C ₆ H ₆	µg/m ³	BDL*	BDL*	BDL*	BDL*	BDL*	BDL*	IS 5182 (Part XI):2006/CPCB Method
NEAR SHANTIVAN COLONY'S STP								
Respirable Particulate Matter (PM ₁₀)	µg/m ³	66.57	68.29	68.41	75.72	71.88	72.86	IS:5182(P23):Gravimetric CPCB - Method (Vol.I,May-2011)
Particulate Matter (PM _{2.5})	µg/m ³	34.04	31.99	32.98	36.20	34.10	35.07	Gravimetric- CPCB - Method (Vol.I,May-2011)
Sulphur Dioxide as SO ₂	µg/m ³	13.80	13.15	15.02	13.53	14.93	15.46	IS:5182(PII):Improved West and Gaeke
Oxides of Nitrogen as NO ₂	µg/m ³	26.47	28.38	31.06	29.78	31.00	28.93	IS:5182(PVI): Jacob & Hochheiser modified (NaOH-NaAsO ₂) Method

Note: Monthly average is calculated from result of 24 hourly & twice in a week monitoring.



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RESULTS OF AMBIENT AIR QUALITY MONITORING

Location & Parameter	Unit	Oct 2015	Nov 2015	Dec 2015	Jan 2016	Feb 2016	March 2016	Test Method
Samudra Township -STP								
Respirable Particulate Matter(PM ₁₀)	µg/m ³	71.34	76.60	69.72	63.69	67.99	72.00	IS:5182(P23):Gravimetric CPCB - Method (Vol.I,May-2011)
Particulate Matter (PM _{2.5})	µg/m ³	35.08	37.65	36.26	32.58	33.94	33.28	Gravimetric- CPCB - Method (Vol.I,May-2011)
Sulphur Dioxide as SO ₂	µg/m ³	14.08	12.65	12.94	15.00	17.69	14.60	IS:5182(PII):Improved West and Gaeke
Oxides of Nitrogen as NO ₂	µg/m ³	29.91	27.31	28.63	28.13	30.47	26.83	IS:5182(PVI): Jacob & Hochheiser modified (NaOH-NaAsO ₂) Method
Samudra Township – Customer Care								
Respirable Particulate Matter(PM ₁₀)	µg/m ³	72.25	74.44	72.65	71.51	70.29	71.71	IS:5182(P23):Gravimetric CPCB - Method (Vol.I,May-2011)
Particulate Matter (PM _{2.5})	µg/m ³	33.30	32.99	32.75	36.06	34.76	35.25	Gravimetric- CPCB - Method (Vol.I,May-2011)
Sulphur Dioxide as SO ₂	µg/m ³	12.15	12.24	12.55	14.01	14.14	12.67	IS:5182(PII):Improved West and Gaeke
Oxides of Nitrogen as NO ₂	µg/m ³	28.43	26.01	30.51	32.21	29.73	27.76	IS:5182(PVI): Jacob & Hochheiser modified (NaOH-NaAsO ₂) Method

Note: Monthly average is calculated based on 24 hourly & twice a week monitoring results.



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RESULT NOISE LEVEL MONITORING

RESULT OF NOISE LEVEL MONITORING [DAY TIME]

Noise in dB (A) Leq - Average								Limits in dB(A) Leq
Sr. No.	Location Name	October 2015	November 2015	December 2015	January 2016	February 2016	March 2016	
1	Samundra Township STP	55.4	52.9	65.0	53.5	53.1	53.3	75 dB (A) Leq
2	Samundra Township Customer Care	61.7	49.1	62.3	50.8	53.2	54.0	

RESULT OF NOISE LEVEL MONITORING [NIGHT TIME]

Noise in dB (A) Leq - Average								Limits in dB(A) Leq
Sr. No.	Location Name	October 2015	November 2015	December 2015	January 2016	February 2016	March 2016	
1	Samundra Township STP	47.9	45.2	48.1	49.3	50.3	51.5	70dB (A) Leq
2	Samundra Township Customer Care	56.9	46.4	51.0	49.2	50.4	51.2	



H. T. Shah
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Dr. Arun Bajpai
Lab Manager (Q)

RESULTS OF NOISE LEVEL MONITORING

RESULTS OF NOISE LEVEL MONITORING [DAY TIME]

Noise level in dB (A) Leq - Average								Limits in dB (A) Leq
Sr. No.	Location Name	Oct- 15	Nov-15	Dec-15	Jan-16	Feb-16	March-16	
1	T1 Terminal	55.4	67.6	67.3	67.5	65.6	64.6	75 dB (A) Leq
2	Near Fire Station	63.9	59.3	69.1	61.9	61.2	66.8	
3	PUB/Adani House	63.7	61.0	65.9	62.1	62.7	64.9	
4	Airstrip	54.5	49.6	61.5	46.4	46.3	44.4	
5	Near Shantivan STP	60.4	62.5	62.4	59.6	59.4	63.5	

RESULTS OF NOISE LEVEL MONITORING [NIGHT TIME]

Noise level in dB (A) Leq - Average								Limits in dB (A) Leq
Sr. No.	Location Name	Oct- 15	Nov-15	Dec-15	Jan-16	Feb-16	March-16	
1	T1 Terminal	51.7	61.1	56.1	62.5	60.7	62.2	70 dB (A) Leq
2	Near Fire Station	59.1	57.7	56.3	57.7	55.6	64.7	
3	PUB/Adani House	59.0	55.3	54.5	53.8	54.2	58.8	
4	Airstrip	51.4	44.3	48.1	45.4	45.7	37.0	
5	Near Shantivan STP	58.2	59.0	55.3	53.9	54.8	55.9	



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Results of Bore Hole Water

SR. NO.	TEST PARAMETERS	Unit	TEST METHOD	OPP. DRUB RAILWAY STATION					
				16/10/2015	16/11/2015	15/12/2015	16/01/2016	16/02/2016	17/03/2016
	Sampling Time			11:40	2:45	2:45	12:15	10:55	3:55
	Tide details	Time/Low Tide level		L-09:29 & 1.54 meter	L-10:34 & 1.63 meter	L-10:21 & 1.44 meter	H-06:00 & 5.8 meter	L-07:50 & 1.29 meter	L-15:19 & 1.62 meter
		Time/High Tide level		H-15:15 & 5.44 meter	H-16:17 & 5.20 meter	H-16:06 & 5.25 meter	H-18:42 & 5.1 meter	H-13:44 & 5.97 meter	H-22:03 & 5.26 meter
1	Temperature	oC	IS3025(P9)84Re.02	29	29	29	30	29	30
2	pH	--	IS3025(P11)83Re.02	7.78	7.48	7.41	7.77	7.47	7.88
3	Total Dissolved Solids	mg/L	IS3025(P16)84Re.02	16416	19551	30700	25462	67515	28600
4	Salinity	ppt	APHA 2520B	14.98	18.78	24.83	22.21	55.51	25.46
5	Chloride as Cl	mg/L	IS3025(P32)88Re.99	8297	10396	13745	12296	30740	14095
6	Depth of Water from Ground Level	meter	--	2.98	2.04	2.5	1.8	2.07	2.6



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Results of Bore Hole Water

SR. NO.	TEST PARAMETERS	Unit	TEST METHOD	SEZ MAIN GATE NEAR FLYOVER BRIDGE					
				16/10/2015	16/11/2015	15/12/2015	16/01/2016	16/02/2016	17/03/2016
	Sampling Time			12:00	3:15	11:30	12:45	11:30	4:05
	Tide details	Time/Low Tide level		L-09:29 & 1.54 meter	L-10:34 & 1.63 meter	L-10:21 & 1.44 meter	H-06:00 & 5.8 meter	L-07:50 & 1.29 meter	L-15:19 & 1.62 meter
		Time/High Tide level		H-15:15 & 5.44 meter	H-16:17 & 5.20 meter	H-16:06 & 5.25 meter	H-18:42 & 5.1 meter	H-13:44 & 5.97 meter	H-22:03 & 5.26 meter
1	Temperature	oC	IS3025(P9)84Re.02	29	29	28	29	29	29
2	pH	--	IS3025(P11)83Re.02	6.86	7.2	7.53	8.02	7.46	7.67
3	Total Dissolved Solids	mg/L	IS3025(P16)84Re.02	42625	36660	35705	60637	69720	61000
4	Salinity	ppt	APHA 2520B	43.52	44.92	51.1	59.15	55.06	50.2
5	Chloride as Cl	mg/L	IS3025(P32)88Re.99	24092	24867	28291	32739	30490	27791
6	Depth of Water from Ground Level	meter	--	1.98	2.15	1.93	1.92	2.28	3.15



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Results of Bore Hole Water

SR. NO.	TEST PARAMETERS	Unit	TEST METHOD	NEAR PUB BUILDING					
				16/10/2015	16/11/2015	15/12/2015	16/01/2016	16/02/2016	17/03/2016
	Sampling Time			12:15	3:00	12:05	11:45	10:45	3:35
	Tide details	Time/Low Tide level		L-09:29 & 1.54 meter	L-10:34 & 1.63 meter	L-10:21 & 1.44 meter	H-06:00 & 5.8 meter	L-07:50 & 1.29 meter	L-15:19 & 1.62 meter
		Time/High Tide level		H-15:15 & 5.44 meter	H-16:17 & 5.20 meter	H-16:06 & 5.25 meter	H-18:42 & 5.1 meter	H-13:44 & 5.97 meter	H-22:03 & 5.26 meter
1	Temperature	oC	IS3025(P9)84Re.02	30	28	29	30	30	30
2	pH	--	IS3025(P11)83Re.02	7.57	8.03	7.96	8.1	7.92	8.54
3	Total Dissolved Solids	mg/L	IS3025(P16)84Re.02	5198	5358	3780	5880	3045	6400
4	Salinity	ppt	APHA 2520B	4.22	4.24	4.4	4.87	2.07	4.96
5	Chloride as Cl	mg/L	IS3025(P32)88Re.99	2339	2349	2439	2699	1149	2749
6	Depth of Water from Ground Level	meter	--	2.23	1.9	2.3	2.1	1.92	2.7



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Annexure – 9



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- [Sustainable Livelihood Development](#)
- [Agriculture Initiatives](#)
- [Education](#)
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2

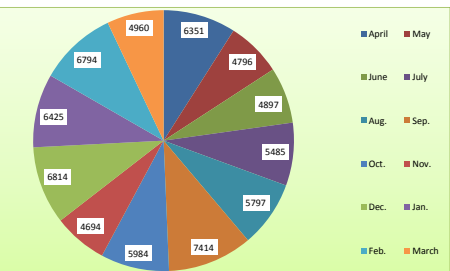
Adani Foundation has pioneered several innovations under its Health Programme in Mundra, Kutch. These innovations comprise of new methodologies to address the different aspects of health needs among the most marginalized communities, especially Malnourished Children, Women and Senior Citizens.

Committed to "Health for All" the Foundation runs Mobile Health Care Units, Rural Clinics, Special Innovative Projects i.e. Health Card to Senior Citizens, Fighting to Malnourishment in Mundra and Dialysis Project and Variety of Health Related Camps.



Community Health

MHCU Month wise Data- 2015/16		
1	Oct.	5984
2	Nov.	4694
3	Dec.	6814
4	Jan.	6425
5	Feb.	6794
6	March	4960
Total		35671



Mobile Dispensaries & Rural Clinics

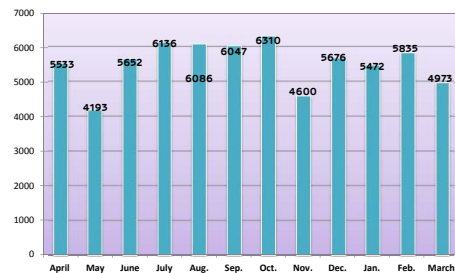
The population of Mundra block is spread over various villages. Due to inadequate transportation facilities, the villagers have to face many hardships even for reaching to the doctor in case of common diseases.

The medical expenses and zero earning per day add surplus to their hardships. To help them in the above mentioned health related problems, the service of mobile medical van has been started by the Adani Foundation in Mundra block. In big villages, rural dispensaries have been started considering their population and area. The Adani Foundation runs two

mobile health care units. Main objective of Mobile Van is to reduce travel time, hardships and expenses. Two mobile health care units cover 34 villages and 05 fishermen settlements. Around 113 types of general and life saving medicines are available in these units. It has turned out to be a boon for women and children as the service is availed at their door-step.

4

Village wise OPD Data-2015/16		
1	Tunda wandh	3571
2	Siracha	6207
3	Navinal	5181
4	Luni	12667
5	Vadala	5736
6	Bhadreshwar	5706
7	Nana kapaya	7728
8	Tunda	3114
9	Tuna anjar	3899
10	Vandi	4730
11	Rampar	4132
12	Tragadi Bandar	3842
Total		66513



The Adani Foundation operates Rural Dispensaries in 08 villages of Mundra block, 03 villages of Anjar block and 01 village of Mandvi block. At these dispensaries, health services are provided free of charge for two hours daily by a doctor and a volunteer.



5



Health Cards to Senior Citizens

The major junctures of human life are - childhood, adulthood and old age. The first phase is well looked after by the parents and second phase is of self-reliant but the last phase is a dependent one. The needs of old people are less looked after. When people become old, they start living a life of aloneness and solitude. Therefore, the Adani Foundation has started the Adani Health Programme for the aged to look after their health. To address the health care issues related to ageing, AF launched a 3 year long pilot project - 'Adani Vadi Swasthya Yojna' on 20th

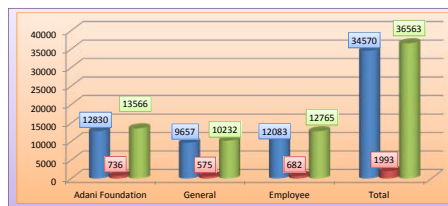
February 2011 at Mundra and further extended the same for the next three years i.e. up to 2017. Under this programme, the individuals aged 60 years and above are benefitted. Health Cards are issued to them with the purpose of providing adequate and timely treatment. The families consisting of aged ones with a yearly income of Rs. 2 lacs or more get a Blue Card. The Blue Card holders can avail diagnosis facility and treatment at a subsidized rate in the Adani hospitals, Mundra. The families with a yearly income of less than Rs. 2 lacs are issued a Green Card. Green Card holder aged people get treatment for illness in Adani hospitals, Mundra with an aid up to the limit of Rs. 50,000/- within a period of 3 years.



During the year 2015-16, total 12866 transactions were done by 7487 card holders of 66 villages of Mundra Taluka. They received cash less medical services under this project. In Green Card category, 6665 aged people got treated for various illness & diseases at Adani hospitals, Mundra with an aid up to a limit of Rs. 50,000/- within the period of 3 years. The 822 Blue Card Holders can avail diagnosis facility and treatment at a subsidized rate in the Adani hospitals, Mundra.

6

Details of Transaction		
1	Oct.	933
2	Nov.	558
3	Dec.	583
4	Jan.	615
5	Feb.	640
6	March	644
Total		6446



Support to Reduce Malnourishment in Mundra

A child's entire life is determined in large measures by the food given to him/her during his/her first five years because childhood is the period of rapid growth and development. Nutrition is one of the most influencing factors in this period. Malnutrition substantially raises the risk of infant and child deaths, and



increases the vulnerability to a variety of diseases in later life. The intervention by the Adani Foundation Mundra was initiated when it was realized that combatting malnutrition is one of the Millennium Development Goals (MDG).

The objective of this Project is to improve the nutritional status of children in the block and give health & nutrition education to the community, especially to the mothers, to reduce the mortality rate among children below 5 years because of malnutrition and improve the physical & mental health of this age group.



7

Implementation Strategy

The Project mainly focused on improving nutritional status of all the malnourished children of aged 6 months to 5 years of age. All the severely malnourished children as per ICDS data were screened by the Pediatrician of Adani hospital and underwent lab tests like hemoglobin examination, blood grouping, urine/stool test for detecting the presence of any other existing disease.

All the screened children were then provided supplementary nutrition in presence of the respective Anganwadi workers up to their proper recovery.

The supplementary nutrition was also given in the form of nutritious "Dry fruit Laddu". De-worming & IFA tablet and vitamin A were also given in the form of syrup.

Thereafter in the case of the child, suffering from a disease and some medical complications, is admitted and given medical treatment at Adani hospital.

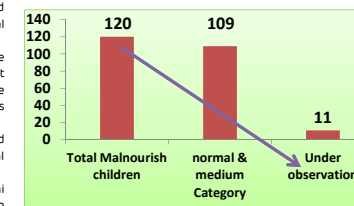
Regular and periodic follow up and medical examinations were carried out which included Lab tests and weight measurement along with general health check up by the Pediatrician and the children were treated accordingly if required. Some serious cases are referred to a pre-defined Hospital at Ahmedabad.

Venue for the medical camp was Adani Hospital Mundra and travelling expenses were reimbursed to reach Adani Hospital along with breakfast and lunch.

Adani Foundation Health Team in coordination with Adani Hospital played the pivotal role in the effective implementation and organization of Medical Camp at Adani Hospital.

Role and Responsibility of Adani Foundation

- Health Checkup camp
- Awareness activity
- Home visit
- Health related equipment provided
- Financial support provide for better treatment
- Doctor services provided (Pediatric, Gynec, Dietitian)
- AF provides Nutritional Food Support



8

Outcome of the Project

Adani foundation works with the objective that every child improves their health status and lives with a good health. We follow all processes regularly every month, it resulted that 109 children health was improved till November 2015 among 120 children under severe malnourished category. Adani Foundation is supporting remaining 11 Children with regular monthly health check up at Adani hospital and has been providing free treatment. Due to this initiative of AF, remaining 4 children out of 11 will come in normal category by the March 2016, remaining 7 children have the health problem since childhood (By birth) and there are least possibilities of improvement (i.e. Birth problem, Mental illness, Physically problem, Hereditary etc.) but still AF has been providing treatment for improvement.

Malnourish Child Health Camp		
Sr. No.	Month	Total Patient
1	Oct-15	7
2	Nov-15	8
3	Dec-15	9
4	Jan-16	7
5	Feb-16	11
6	Mar-16	6
Total		48



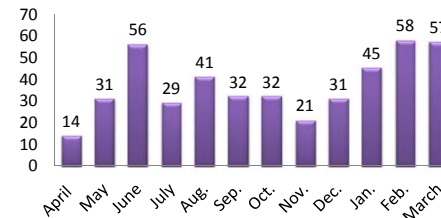
Conclusion

The vision behind the project was:

- To identify malnourished children (0-6 years), to improve their nutritional status
- To identify and treat their medical ailments.
- To provide health education and counsel the parents regarding importance of nutrition
- To increase the awareness in general population towards nutrition.

Adani Foundation has successfully achieved the goal to convert 109 children into normal category out of 120 remaining children in the year 2014-15. To make these achievements sustainable, the parents of targeted children have been convinced that they would now continuously keep watch over the nutritional status of their children to prevent any future complications.

9



Medical Supports	
1 Oct.	32
2 Nov.	21
3 Dec.	31
4 Jan.	45
5 Feb.	58
6 March	57
Total	244

Support for Medical Aid to Deprived

The scope of the organization extended up to providing best health care facilities to the needy, poor, challenged and not so well-to-do families for the treatment of illness and diseases. It is not always possible to predict the medical expenses. Moreover, those who are economically not so sound, become indebted for lifetime in case of certain illnesses. Therefore, Adani Foundation provides primary health care and financial assistance for ailments such as kidney related problems, paralysis, cancerous and tumor surgeries, neurological and heart problems, blood pressure, diabetes etc. In current month we organized two medical examination camps in which Medical Support was given to 244 People from Mundra, Bhadreswar, Zarpada, Shekhadia Nana Mota Kapaya, Bhujpur, Vadala, Wandi and other villages under our work area.



10

Camp-Year 2015-16			
Sr.no	Date	Festival Location	Total Patinets
1	15-Apr	Ganesh Mandir Mela	140
2	15-Apr	Samuh Sadi Mundra	319
3	15-May	Luni Samuha sadi	165
4	15-Jun	Ganesh Mandir Lokanpan	45
5	August-15	Sukhpar-Mundra	125
6	August-15	Bhadreswar Fishemen Camp	86
7	15-Nov	Luni Uras	52
8	15-Nov	Vishnu Maha yagya- Dharbhudi	1467
9	15-Dec	Shah Bukhari Uras-Mundra	234
10	16-Mar	Juna Bandar Camp	65
Total			2698



Health Camps

Various health camps are organized at regular intervals to meet the specific requirements of the community. Screening camps are organized regularly as per the route map planned in coordination with Adani Hospitals. During the year 2015-16, 10 speciality camps were organized and 2698 Patients were benefitted.



Urinary stone – Dialysis Treatment

Drinking water of Mundra contains high Fluoride (amount of salt). Hence, the proportion of patients with urinary stone and kidney failure is more. A project for patients who need dialysis is thus initiated so that the poor patients can receive the treatment at subsidized rates in the nearby, well-equipped hospitals. The main objective of providing dialysis treatment is to help the extremely needy patients to live a healthy life. Total 11 Patients were being supported for regular dialysis (twice in a week) during this year.

11



CALMED PROJECT- Collaborative Actions in Lowering Maternity Encounters Death

Adani Foundation has been looking after the health requirements of Mundra block for a long time. It has got a rich experience to address the preventive and curative health measures at Mundra belt. Therefore it

was assessed by the Adani Foundation team that the most burning problem of this region is to cure Maternal Health, therefore, The demand was raised from the AF staff to improve the maternal health. Looking at the strengths of AF the following role has been identified. The prime objective is to reduce maternal and new born mortality through a collaborative cascade of training, briefings, publicity and monitoring. An effective programme to reduce maternal mortality (MDG 5A) requires collective efforts by

Government, Professionals and Communities to deal with medical and administrative issues in a top down and bottoms up approach as both the approaches are important and complementing to one another. Activities proposed for this project are Selection of CHC/PHC, Training of trainers, AF involvement in Target Areas, Identification of Needs in Target Areas, Implementation-mechanism, Publicity, and Communication-A Preparing Training Materials in MCH- Funding - Reporting: The project consultant of this project will submit monthly planning to AF. Capacity building inputs are given to the AF staff so that they can help in maternal and child health situations and reduce the maternal death. Implementation Strategy of the project: Master trainers i.e. Doctors from Adani Foundation, Adani Hospitals Mundra and Gujarat Adani Institute of Medical Sciences will be identified. Co - trainers would also be selected. The Master trainers will further percolate the knowledge and skill to ANM/ ASHA for the next 3 years. Total 35 women were benefitted in the previous year.

12

Gujarat Adani Institute of Medical Sciences

Gujarat Adani Institute of Medical Science is the first Medical College of Kutch region. It started in partnership with Adani Group and Government of Gujarat in the year 2009. This college was affiliated by the Medical Council of India in the year 2014 for the MBBS with 150 seats per year. Gujarat Adani Institute of Medical Science is affiliated with the first digital university "Krantiguru Shyamji Krishna Verma Kutch University". In GAIMS, currently 750 students are studying. The GAIMS Medical College is situated in heart of Bhuj city on a large plot of 27 acres.

A teaching hospital (G K General Hospital) with 700 beds is established with GAIMS in which patients of Kutch are getting subsidized medical facilities. The Hostel facility is also available for the students in the campus only. The accommodation facility is given to the staff of GAIMS.



1

Mpw's Village Meeting			
Sr. No	Month	C.M. Meeting	MPW Meeting
1	October	43	178
2	November	26	134
3	December	29	142
4	January	24	129
5	February	38	127
6	March	13	96
Total		173	806

Death Body Van Data		
Sr. No	Month	No. of Death Body
1	October	45
2	November	64
3	December	64
4	January	56
5	February	73
6	March	72
Total		394

- Adani Foundation Team has initiated coordination with GKGH hospital since last year and established a reception area for the smooth patient coordination and preparation for the social networking programme.
- Adani Foundation organized General Health Camps and Speciality Camps in various interior villages of Kutch in coordination with GKGH which created magical impact and benefitted 3335 patients. Adani Foundation Bhuj Health team has also organized more than ten awareness camps and village level meetings at 293 villages of Kutch regarding services of GKGH.
- Dead body medical van – Dignity to death is one of the noble initiatives taken up by the Adani Foundation. If any death occurs in GKGH, dead bodies are shifted to the native village of the concerned in the Kutch District free of cost. Total 394 dead bodies privileged till now to different locations in Kutch.



1

Children : future of nation!



MHCU is really blessings for us !

Patient Tabassum baby was reported with the complaint of severe itching, scaling and bleeding from skin. Her parents approached our mobile dispensary and she has been treated successfully with utter care and proper treatment by our dedicated doctors and now she has overcome from the disease.



A two year old girl – Sherbanu could not stand independently. She was underweight, very weak and malnourished. During the survey of malnourished children by the health team of Adani Foundation, we found that in spite of very good financial condition, Sherbanu was severely malnourished child. Her father, Kadar Bhai is associated with animal husbandry business and earns handsome. Ruksana banu – her mother did not want girl child therefore she did not even give her lactation. She did not take care of her and has been working in the cattle shed. Sherbanu did not get any food which is necessary for her growth. Adani Foundation team with ICDS visited frequently and took the small, helpless and malnourished daughter in medical camp and gave her proper treatment. She was given vitamin injections and medicines along with nutritious food. Gradually, her health shown improvement and within 8 months she came out of the category of malnourished children. Her grand mother is happy with her growth and promised us to take care of her and committed to take our involvement as when required.



1

"Adani ji Bhalai Maniyu Elto Occho Aay!"

Firoza is a seven years old little angel living at Luni Bandar. Her father Ramzan bhai is taking care of his family of seven members. He is fisherman that's why his income is irregular and depends on season. Firoza had the complain of frequent nose bleeding. Ramzan bhai told this health problem to the Adani Foundation team members. Unfortunately, Firoza was diagnosed with blood cancer after series of reports at Adani Hospital. Firoza's parents were in deep grief but the AF team members supported them and gave courage to face the situation with a commitment of financial support for the complete treatment. After taking proper treatment at Adani Hospital, Firoza is now completely alright. Our eyes fill with tears when we see her dancing and playing at Bandars. Her father says with great gratitude, "Adaniji bhalai maniyu elto occho aay".



"Adani foundation aje ghadpan ni lakadi bani ne ubhu rahyu"

Mariyam banu is a widow living alone at old station road at Bhuj. She has two sons, but they both live separately from her. One day a misfortune took place and during her routine work she slipped and her leg got fractured. Her neighbours took her to the G. K. General Hospital. Immediately a decision for the surgery was taken and successful operation was done by the team of expert doctors. She was hospitalized next for 30 days but none of her son came and asked about her well being and health. When Kishor – Adani foundation team member went and asked her with sympathy she started crying hard and expressed her emotion by saying "Mara saga dikrao kyarey mari puchha karva nathi aavya pan foundation aje maro dikro banine puchhe chhe k BAA, TAMANE KEM CHHE?".



1



"Women Health Awareness Seminar"

We organised a seminar on "Woman Health Awareness and World Population Day" in collaboration with ICDS and Taluka Health Office. We tried to create awareness regarding women health and importance of population control through this programme. More than 350 women participated and facilitated.

"Blood donation camp"

On the birthday of our Chairman Shri Gautam bhai Adani a remarkable blood donation drive was conducted. People actively participated and total 1388 units blood were collected from the Mundra.



1

Empowering lives and broadening their scope for economic opportunities, Adani Foundation's initiatives introduced under 'Sustainable Livelihood Development Program', have been founded on community based approaches.

Under this programme, we associated ourself with Fisherman community, Farmers and Women groups.

Adani Ports and SEZ Limited started its business in 1996. When APSEZ started port operations, fishing community was found deprived and in a perpetual state of poverty. They were living a scattered life. Unavailability of roads, pure drinking water and unhygienic living conditions had made their lives tragic and miserable. We thought we could not achieve our goal of development unless and until we support them to uplift the living standard of the people of this community. After inception of CSR arm of the Adani Group - Adani Foundation in 1996, a strategy based on priorities and continuous and comprehensive socio-economic development and reforms for the fishing community was planned.

With the Foremost objective to improve living standards of Fisher-folk, Adani Foundation protracted support in Education, Health, Sustainable Livelihood and Rural Infrastructure Development Sectors.



SUSTAINABLE LIVELIHOOD DEVELOPMENT PROGRAM

2

Education

Education is one of the most important stepping stones to bring about a unified development in any community. The Adani Foundation, through its rigorous surveys and assessments, could understand that it was education which should be taken up to bring about a real change in the status of the fisher folk communities. Following are some of the major education initiatives taken up by the foundation:



Balvadi		
Sr.	Village & Bandar	Children
1	Juna bandar	47
2	Luni	32
3	Zapara-Chhacha	32
4	Bavadi bandar	33
Total		144

Vidya Deep Yojana

A great amount of efforts were put in developing school preparedness programmes by empowering 'Balwadis' at Fisher folk settlements. Under the Machhimar Vidya Deep Yojana, Adani Foundation constructed four Balwadis for kids between the age group of 2.5 years to 5 years at different settlements. The programme is inclusive of nutritious food, awareness on health, hygiene, cleanliness, discipline, regularity and development of basic age appropriate concepts.

1

Vidya Sahay Yojana – Scholarship Support

The chief objective behind all the facilities provided to the fisher-folk is to promote education.

- Educational tours are organized for children.
- Special attention was given to girl child education.

We facilitate transport provision to students from standard 6th to 8th studying in nearby villages. Bicycles are distributed for students who have got enrolled for higher education.

Scholarships are given to the students of ITI, Diploma Engineering or Degree Engineering Students.

280 male fishermen and 58 female were inspired by the exposure visits to Adani Ports SEZ, Adani Power Ltd. and Adani Wilmar Ltd. (Edible oil refinery).



2



Machhimar Arogya Yojana

A healthy person can work well and earn for his family. Hence it is necessary to provide medical facilities to cure and prevent them and to provide them the treatment of diseases prevailing among the people specially women; children and elderly person, especially due the lack of balanced nutritious diet.

Mobile Health Care Unit - the mobile dispensaries have been run by the Adani Foundation since 2009. The mobile dispensary is available not only in the Vasahats/Settlements but also near the coast where the fishermen, can avail the facilities as and when needed. Total average 7474 fishermen were benefited by Mobile Dispensary every year.



1. Apart from this, a number of subsidiary initiatives such as health awareness camps, medical check-ups, etc. are conducted by the Adani Foundation at frequent intervals, to provide the fisher folk community with the much needed and required information and assistance.

2. Medical Financial Support - Adani Foundation has extended financial assistance to more than 413 financially challenged patients from the Fisher Folk Community in case of medical urgency during this year.



3. Health Card for Senior Citizen Project - This is one of the major and prominent and the most innovative project of the Adani Foundation. Under this scheme Health Cards were given to the to Senior Poverty Stricken Citizens to provide them financial support to combat with their health related needs. The project for the senior citizens is popularly known as Vadil Swasthya Yojana and till date 280 senior citizens from fisher folk community are enrolled in the scheme. They are getting cash less medical services upto Rs. 50,000 for three years. Besides this, follow up with the card holders is a regular activity. It has been observed that card holders treat the card as an important document. Most of them keep these cards in their wallets with other important documents and cards.

2



Machhimar Kaushalya Vardhan Yojana

Apart from providing formal education, special programmes were conducted to enhance youth employability. Based on the need of assessment, a number of trades were introduced by the Adani Skill Development Centre in Mundra, where the fisher folk youth could join and get vocational training for a number of technical and non-technical skills. Adani Foundation spent Rs. 32.60 Lacs till date for the same, including construction of training center at Vasahat. The uniqueness of the vocational trainings was that they included practical sessions and simulation activities.

Sr. No.	Course Name	No of Students
1	IT - Basic Computer	39
2	Tally ERP9	8
3	Checker	4
4	Checker Cum RTG Crane Operator	9
Total		60



Machhimar Shudhh Jal Yojana

This scheme of providing potable water has helped in reducing the drudgery of women and contributed largely towards general wellbeing. Water tank platforms have been constructed and tanks have been set up in order to provide clean potable drinking water to the community. Daily 85000 Litres of water is supplied at different settlements.

Potable Water			
Sr.	Vasahat	Total liters/ day	Total HH
1	Juna Bandar	23000	141
2	Luni Bandar	15000	110
3	Zarpura*	5000	30
4	Bavadi Bandar	12000	88
5	Veera Bandar	10000	66
6	Ghavarvaro Bandar	5000	40
7	Kutdi Bandar	15000	121
Total		85,000	596



2

Machhimar Awas Yojana

Fishermen stay at vasahat/settlement at sea shore in gunny bag shanties in hot sun, wild winds and harsh winters. Participatory and consultative process with residents helped in choosing a special design of foldable housing. At Bandar, a project titled 'Home Sweet Home' made it possible to provide appropriate shelters for the fishermen who reside near the coastline throughout the year except the rainy season. Shelters, equipped with basic facilities such as toilet and pure drinking water, have been constructed for staying during season of fishing and to provide a healthy and hygienic residence. Total 140 shelters have already been handed over to fishermen families at Juna Bandar and 110 shelters are being made at Luni Bandar with the facility of electricity as an added advantage.



Machhimar Sadhan Sahay Yojana

Fishing material was also provided by the Adani Foundation at Mundra as per the requests of Pagadiya fishermen. Fishing nets, ropes, buoys, ice boxes, crates, weighing scales, anchors, solar lights etc. were also provided according to their needs.

Sr	Village / Bandar	Year 2015-16
1	Shekhadia	6
2	Bavdi Bandar, Bhadreswar, Radh Bandar, Sanghad	43
3	Wandi	3
4	Kutadi	18
5	Tragadi	5
Total		75

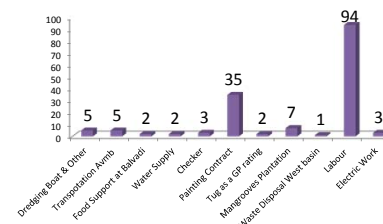
Toilet Block		
Sr.	Village & Bandar	Qty
2	Luni	38
4	Navinal	30
Total		68

Sughad Yojana

Toilets for men and women are constructed at all three Vasahats. Infrastructure was accompanied with continuous awareness campaign on hygiene, sanitation and use of toilets in particular.



2



Machhimar Ajivika Uparjan Yojana

During the non-fishing months, the fishermen under unusual circumstances are required to be benefitted with some alternate economic activity to help them to sustain economically. Under such cases due to the paucity of their available funds and resources, it became extremely difficult for the majority of them to survive. Looking at the miseries of the fishing folk the Foundation introduced 'Mangrove Plantation' in the area as a means of alternate income generating activity for the fisher folk community during the non-fishing months. Both men and women from the communities received trainings on Cheriya Plantation, moss cleaning etc. required for Mangrove Plantation. The program again was developed holistically, where focus was not only given on income generation but this initiative was seen as an important means to ensure environment sustainability. From July 2015 to Dec 2015, 3861 man-days employment was provided by the Adani Foundation. In addition to the given employment, more than 25000 man-days employment has been provided till date. We have supported 42 Pagadiya Fishermen as painting labourers & 7020 man-days employment was provided to them.



2



Bandar Svachhata Yojana

A cleanliness drive was initiated by the Adani Foundation recently at Juna Bandar, Mundra, a port town in Kutch region of Gujarat. Juna Bandar is a temporary habitat of fisher folk community, where the families of fishermen live for around 8 months a year. Having a clean and hygienic living environment is the utmost important requirement for the health and profession of the fishing folk. To provide them with both - health and profession is quite challenging. The cleanliness drive envisaged by the Adani Foundation was quite comprehensive, including all aspects pertaining to clean and hygienic living. Several activities were carried out during the day that marked the uniqueness of this drive. The main essence of this drive was to promote clean and hygienic behavioral practices. This Drive will not be limited for one day, it will continue for a long time to develop habit.



The International Coastal Clean-up Day

The International Coastal Clean-up is one of the largest volunteer efforts in the world dedicated to the health of our oceans. Every year, 20th September is dedicated to this noble cause of cleaning our beaches / shorelines impounded with lots of waste material which is considered non-biodegradable in nature and considered hazardous to the ocean health. Indian Coast Guard had been associated with this international event in India and has been organizing clean-up drive for our beaches once in a year to represent its concern for the overall ocean health and generating awareness among public. Coast Guard Authority being in Mundra would be organizing a clean-up operation in coordination with Adani Foundation. Adani Foundation gives momentum to "Swachhh Bharat" movement at Juna Bandar, Mundra with Fisher folk community.



Fisherman Cricket league

Every year Seven days cricket tournament 'Adani Premiere League' has been organized for fishermen community to promote healthy sports and build up good relations with youth. More than 16 Teams of Fishermen are participating mainly from villages like Zarpara, Navinal, Shekhadia, Luni and Bhadreswar & Vandi (Tuna). Winners are awarded with a Trophy and Prize and all other participants are also awarded with consolation prizes.



Fisherman Cycle Marathon

With the foremost objective to improve living standards among fisher folk, Adani Foundation protracted support in Education, Health, Sustainable Livelihood and Rural Infrastructure Development Sectors, Adani Foundation organized Cycle Marathon for Fisherman. The main objective of event is to bridge the Gap between Fisherman Community and Adani group. It is to generate Trust among Fishermen about the welfare activities of Adani Foundation to support and uplift the Fishermen community. This year, we invited Mr. R. K. Singh (Indian Coast Guard) and Mr. K. B. Zala (P.S.I.-Marin Police) as our guests to create awareness among the Fishermen for Safety and Security of our nation. They also motivated the Participants and further congratulated the Winners who Secured First 3 Positions respectively. On this occasion Mr. Mukesh Saxena (Head, Adani Foundation) conveyed his regards to all fishermen and thanked them for their active support and participation in the activity conducted by the Adani foundation.

Pandhe Lodhiyo jo Medavo

With the objective to generate social awareness and social mobilization among Pagadiya fisherman community, to spread the message of importance of Education, to spread the message of importance of health and hygiene and to generate awareness of alternate livelihood training, skill development for youth and enhance their economic wellbeing, different schemes of Adani Foundation for each core area are being shared by team members.



"Balvadi at Bandar : Singing Sea Birds"

The Girl named Amina is 3 years old. She lives at Zarpara Bandar with her Family. She was living in unhygienic and unhealthy condition. Due to this condition she used to fall sick frequently. After joining Balvadi, she learned the importance of hygiene and started to remain clean. By nutritious food given in Adani Balvadi, she could keep herself healthy. Moreover, she learned to speak English Alphabets and now she sings poems and songs with full enthusiasm.

Her parents expressed their gratitude to foundation in the words "Adani e Amari dikri ni jindagi sudhari didhi".

"Halo Sapana na Vavetar Kariye!!!"

Adani Foundation believes that, "The children of today will shape the future of tomorrow" and "We should always give a chance and support to educate girl child".

One Girl Nazma Manjaliya residing in village Luni was very eager to study. She got very good result in high school but due to financially weak condition she could not go for higher studies. After that, her family member stopped her for further studies. AF Team Member convinced her father to allow her to study and informed him regarding scholarship scheme. Her Father was impressed by this scheme and he permitted Nazma to study. Today she is studying in college and simultaneously working in our Balvadi as a teacher. Thus, by this scheme this passionate girl can find pathways for bright future.

Nazma and her parents say, "Adani Foundation has brightened up her future."



Together we can and we will make a difference !

With support from the Adani Foundation the fisher folk got the painting work inside as well as outside the Adani Port and turned their off-season non-productive days into productive days. With the time their debts have decreased and hence quality of life has improved.

During informal meetings with the community leaders, the foundation team thought that these people could be given painting work inside the port. There is a contractor named Talab bhai who is also a fisherman. Talab bhai hired local fishermen cum labourers. The Foundation Team decided to discuss with the community give them the contract. Thus a fisherman became a contractor and generated income for himself and his community. He has purchased his own tempo to transfer labourers from one place to another. This is really an achievement for the Adani Foundation creating alternate livelihood opportunity.



Adani Foundation puts efforts in Mundra block for consistent betterment in livelihood sector. The organization has carried out remarkable activities in the agricultural and animal husbandry sectors.

Drive for Technology to use in agriculture

- We have initiated Programme for Awareness of Farmers in collaboration with KVK. The outreach is approximate 30 farmers of 5 villages
- The purpose of this project is to initiate village wise integrated agricultural & allied development for sustaining agriculture and socio economic situation of farming community of Mundra block.

Agriculture Programme		
Sr.no	Village Name	Member
1	Zarapara	21
2	Zarapara	15
3	Siracha-	12
4	Navinal	10
Total		58



Agriculture & Animal Husbandry

Food for cattle

The organization provides fodder during the time of scarcity and the last 3 months of summer every year. During this period, fodder is regularly sent to every village with the help of the local people. This has given stability to the families who earn their livelihood through animal husbandry.

In order to meet the demand of fodder, the Adani Foundation purchases it from the regional farmers. This gives them fair rates in return. This year we have given 74,356 mann fodder worth Rs. 127.00 Lacs approximately.



Tree plantation programme

A Tree Plantation programme was run in Tunda, Baroi, Mundra and Pragapar. Total 2600 Trees of Gulmohar, Neem, Pipal, Ashoka and other Flower plants were planted at various locations like temples, Anganwadi, Schools, Crematorium. These are the places where these newly planted trees can easily be taken care by students, teachers and other villagers.

3

Beti Vadhavo Abhiyan



Beti Vadhavo programme was organized in 24 Villages in the presence of Village Sarpanch and other leaders. We explained people about the various topics i.e. importance of girl child, Sex Ratio, Gender Equality and laws regarding Child abortion. This initiative was well accepted by community and we have observed a visible change in their mindset. We have facilitated 260 daughters with Kit (Small Bed sheet, Mosquito net, Soap and Cream with nutritious food for mother)



The objective of this Project

- Encouraging corporate leadership capacity with the quality to ascertain gender equality
- Encouraging adequate respect and support for human rights and non-discrimination and in consequence treating men and women equally at workplaces
- Making sure that all men and women workers are provided with equal facilities in terms of their overall welfare and safety at workplaces
- Encouraging women to develop entrepreneurial skills, which in turn, would make them self-dependent
- Advocating the promotion of gender equality within a community

Women's Empowerment Programme			
Sr. no	Village Name	Group Name	Presents Member
1	Kandagara	Jay Mekaran Saheli group	20
2	Siracha-1	Vandan Saheli SHG	11
3	Siracha-2	Shree matiya dev Saheli group	10
4	Sekhadiya	Jay Sonal Saheli Group	13
5	Baroi	Adhar Saheli group	18
6	Navinal	Vishavas Saheli Group	20
7	Sadau	Akta Saheli Group	15
Total			107

3

Women Empowerment Projects

- In Kutch, the situation of women is miserable. Women are totally dependent on male members of family for their needs. Consumption of liquor is one of the main culprits in Kutch. Due to this evil prevalent among men many women are suffering.
- Considering this situation, We have started our training programme with two major women's group of Villages near Adani Power and Adani Ports. Both the groups of women (60 women in total) successfully completed their training for preparing washing powder, phenyl, liquid for cleaning utensils and hand wash etc.



- We have selected 6 women groups having 10 members each, as per their ability for different work i.e. accounting, banking, leadership, marketing, administration etc.
- As a further step to bring sustainability, we thought to start a shop "Saheli Mahila Gruh Udyog" at Shantivan Colony after discussion with the Administrative Department of Ports and Power regarding the supply of the material, rate etc.
- Our pilot project is preparing Washing Powder and Phenyl. We are planning to start Home Made Products after discussion with HOD and Random groups of ladies in colonies and villages.

3

Implementation Strategy

We have received a proposal from VRTI for Women Empowerment Projects. They are linked with more than 5000 women groups of Mandvi, Mundra, Naliya and Rapar. As per discussion they will work on Self Help groups in three phases in three years.

- First Phase : Planning, Skill Development, understanding Finance Management, Women Empowerment, Capacity Building which includes formation of strong base and groups, connection with targeted women and train them so that they can start their own Gruh Udyog. Skill Raising Training will be regarding handicrafts, food items and other house hold items.

- Second Phase: Implementation provision of rotating fund, setting up of business and continuous guidance and capacity building, solving teething trouble in startup business, providing training for branding and marketing.
- Third Phase: Monitoring, Fund Guidance and Management of Fund Rotation.



Coordination with Government for Widow and Senior Citizen Scheme

- We are playing the role of facilitator in case of tie up with Government Scheme for Widows, Senior Citizens and Handicapped people.
- The identity cards are issued to two persons for the handicapped in coordination with Bhuj Samaj Suraksha Khata for regular visit and follow up.
- Last year, 47 widows and 38 Senior citizens and 121 handicapped - total 206 members got benefitted from the approval of pension certificate. The financial benefit of the senior citizen yojana is Rs. 400 per month and the widow scheme is of Rs. 900 per month.

30

ધુપરજી બનીને સદાસી ફાઉન્ડેશન મારા જીવન માં સુવાસ સાચી !

કેમ છો ? મજામાં ! હું ગુલાબચંબ , કાંડાગરા ગામનો વતની , મારી જાંબો એ કાવજની તારીએ કુલ ૬૦૦ દિવાળી સોં જોઈ સુકી છે. કાંડાગરા ગામના સીમાડે આવેલા ઘેઘુર વડ ની છાયામાં મારી ચાની કેનીન છે. છેલ્લા ઘણા વર્ષો થી વેઠેલો આવી અને મારા કામે લાગી જાઉં છું .

સાચી પાતળી આવક માં ગુજરાન ચાલે જાય છે. ઇશ્વરે કદાચ મને પોતાની વધુ નજીક રાખવા ધાર્યો હતો એટલે હું દિવ્યાંગ છું. હું મારા માટે સ્વયં જાજી વાપરતો નથી. પંડુતાના કારણે મારાં જીવન ખુબ જ મોડા થયા અને કઠુણતા કહો તો બાળકો થવા માં પણ વિઠળ થયો . સંતાન માં સારું મારે ૧૧ વર્ષ નો પુત્ર અને ૮ વર્ષ ની દિકરી છે. મારી ઉંમર ઘણી મોટી છે અને મારા બાળકો બાના છે અટલે મારે આ ઉંમરે પણ કમાવવું પડે છે. કાવજી દોડ વર્ષ પહેલાં હું સ્ટાપર લાકડી ના ટેકે ચાલતો અને ઘણી વાર તો ચાલતા ચાલતા પડી જતો હતો . વળી કચારકે કોઈ બેલા આદમી નો સ્કારો લઈ મુશકેલી વેડી ને ઘરે થી નીકળી મારી ચાની કેનીન સુધી જતો.

અને એક દિવસ સુગંધિની સાથે મારા જીવન માં પણ સુર્ય ઉગ્યો. સદાસી ફાઉન્ડેશનના ના કાર્યકર કર્ણભાઈ સા પીવા સોજા અને ખરા બપોરે ઓગડે બેસી વાતે વળગ્યા . મારી જાપડીતી જાણ્યા પછી તેઓ એ સરકાર ની દિવ્યાંગ યોજના વિષે જણાવ્યું અને મદદ કરવા વચન આપ્યું. પણ કહે છે ને "કુદરતે રૂઠે ત્યારે કાંઈ ન છુટે" સરકાર શ્રી ના નિયમ મુજબ ૫૦ વર્ષ ની આયુ બાદ ટ્રાંસીકલ આપવામાં આવતી નથી. સદાસી ફાઉન્ડેશન દ્વારા એક સુખ દિવસે મને ત્રણપેડા વાળી સાયકલ આપવામાં આવી. ત્રણપેડા વાળી સાયકલે મારા જીવનનો સંઘર્ષ ઘણો જ ઠગવો કરી નાખ્યો. સારું કોઈનો પણ આધાર રાખ્યા વગર દુધ ખરીદી ને સવાર નાં વહેલા હું મારી કેનીન ચાલુ કરી દઉં છું.

સરે ! જરૂર મારી વિતક અહીં જ પુરી નથી થતી. સદાસી ફાઉન્ડેશન ના કાર્યકર કર્ણભાઈ એ જણાવ્યું કે ૬૦ વર્ષ મોટી ઉંમર ના અને જેના બાળકો ૨૧ વર્ષ થી નાના ઠોચ એવા વડીલો માટે નિરાધાર વૃદ્ધ પેન્શન યોજના નુ લાભ તમને મળી શકે અને આ યોજના નુ અમારા પતિ -પત્નિ નુ ભરી અને પાંસ કરવી પણ આપવા . સારું દર મહિને સરકાર દ્વારા અમને ૮૦૦ રૂપિયા પેન્શન મળી રહ્યું છે.

ધુપરજી ની જેમ સદાસી ફાઉન્ડેશને પોતાના કાર્યો દ્વારા મારા જીવન માં મહેક ફેલાવી છે તે માટે આભાર નાં શબ્દો સોછા પડશે પણ હું આભારી વરર આપીશ કે આવા સકાર્ય કરવા માટે સદાસી ફાઉન્ડેશન ને ઇશ્વર જોમ, જુસ્સો અને વિશ્વાસ અર્પણ કરે.



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Education Initiative of Adani Foundation signed an MoU with Maa Foundation, Vapi and adopted four major projects from them. The list of the projects upto October 2014-15 was:

Under M-KEN project, the Adani Foundation worked in 27 schools in the year of 2015-16. During this year, the project received massive support from students, teachers and villagers. After the end of one year, students who were weak in reading and writing, started reading and writing. Meetings with Parents were arranged at specific intervals, because of which the ratio of students remaining absent went down. Role model activity helped to raise their moral values. Thus, during the year, 27 schools completed the project successfully and we got good results at the end of year.

The M-KEN Project has benefitted 7582 students in 27 Government Schools through its various activities throughout the year.



Education

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Disha Project :

Disha as the name suggests is showing directions. With the help of psychometric test, Project Disha helps students to identify their inner strength, ability, skills and areas of their interest. Along with the career talk, it also suggests the suitable career for each one of the students. It also provides valuable information about different career options available under different streams of education and future opportunity available after pursuing the course.

The Disha Project has benefitted 2797 students in 21 Government schools through its various activities throughout the year

Science & Maths on Wheel

Science and Mathematics are complementary to each other. They seem tough but become easy with right approach and logical thinking. Learning of Mathematics and science can be a lot of fun if related to day - today activities. Science and Mathematics can be popularized among children through fun filled activities.

To fulfill the vision, Adani Foundation-Education initiative adopted a project called "Science on Wheels and Maths Fair" from "Maa" Foundation and got implemented in the month of November, previous year. The objective of this project is to take Science and Maths in a fun and friendly manner to the primary schools. The van filled with science models goes to the primary school and stays there for a day.

This Project has benefitted 2524 students in 35 Government schools through its various activities throughout the year.

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Parvarish Project

Parvarish Project equips students with essential soft and social skills required to succeed in the workplace and for cultivating interpersonal skills. It also provides them with good human qualities required to live a happy life.

This five day long residential camp's objective is to develop the personality of the students so that when they go in the outer world they can face the competition and sustain themselves.

This Project has benefitted 300 students in 16 Government schools through its various activities throughout the year.



Other Activities

Projects with MAA Foundation were implemented upto October 2015. After completion of these projects it was necessary to remain in touch with schools through various activities.

We organized various competitions and sessions of Mind Power.



3

Other activities organized throughout the year

No	School Name	Village	Activity- Competition	Participants
1	KGBV	Desalpar	Essay, Elocution, Drawing	80
2	Kumar Shala	Zarpapa	Essay	78
3	Kumar Shala	Mota Kapaya	Drawing	67
4	Anand Wadi	Desalpar	Essay	57
5	Darbari	Bhujpur	Essay	63
6	Vagher Vas	Bhadreshwar	Essay, Handwriting	72
7	Bavadi Bandar	Bhadreshwar	Handwriting	22
8	Juna Bandar	Old Port	Handwriting	84
9	Govt School	Navinal	Essay	63
10	High school (4)	Desalpar, Gundala, Bhujpur	Goal setting and Min power workshop	270



Project UDAAN for Kutchh

Mundra has created a position for itself by creating capacities in Port Handling, Edible Oil Refining and Power Generation. With a vision to familiarize, educate and inspire the future generation to become successful business leader, engineers, managers and other professionals, the Adani Foundation organizes Education Exposure visits to Mundra for High schools and educational institutes in Ahmedabad and Kutch Districts. From this year, we have started charging nominal fees to make the project sustainable. Details of visits made by various institutes of Kutch is listed below along with the revenue generated.



3

Details of visitor institute under UDAAN Project			
Sr. No	School Name & Address	Visitors	fees
1	GMDC College Nakhtrana	107	16050
2	Veerayatan Institute, Haripar -Mandavi	215	32250
3	Industrial Training Institute, Anjar	150	free
4	Industrial Traning Institute, Bhuj	380	free
5	Industrial Traning Institute, Mandvi	210	free
6	Industrial Traning Institute, Gadhidham	364	free
7	T.D Valanin Girls High School, Nakhtrana	589	44175
8	M.A Jadeja High School, Manjal- Nakhtrana	57	4275
9	Jakhho Govt. High School - Abdasa	49	free
10	P.B.K Vidhalay, Kotda - Nakhtrana	307	23025
11	K. S. Patel High School, Ravapar - Nakhtrana	156	13875
12	Sant Khetabapa High School, Vithon	160	12000
13	Devisar Govt. High School, Nakhtrana	47	Free
14	G.M.D.C. College, Nakhtrana	56	8400
15	K.V. Govt. High School, Nakhtrana	629	Free
16	Desalapr Govt. High School, Nakhtrana	44	free
17	Naredi Govt. High School - Abdasa	54	free
18	T.D. Valanin Girls High School, Nakhtrana	161	12075
19	Government School, Mathal	41	Free
20	Industrial Traning Institute, Mundra	250	free
21	Industrial Traning Institute, Nakhtrana	101	free
22	Government Engineering college Bhuj	160	free
23	Government Polytechnic college Bhuj	106	free
24	Dhanvantry College Surat	48	7200
25	S.R. Patel Engineering college Uja	54	8100
26	Government School Dumara	53	free
	Total	4548	166125



3



In the Year 2015-16, Adani Vidya Mandir became a school having classes from 1st to 9th with total strength of 379 students. Right now 111 students are coming from Fisher folk communities.

Additional Coaching for new enrolled students was structured upto 17th May, 2015. Main objective is to make the new students cope up with new syllabus. Remedial Teaching has been started for Mathematics and Science subject. In addition to quality education, we focus on overall health, co-curricular activities and sports related events.

The Annual Day Celebration was held on March 5, 2016. Shri Ramesh bhai Sanghavi was the special guest for the occasion. It was witnessed by around 750 parents, village leaders and teachers of other government schools.



Adani Vidya Mandir, a unique Gujarati medium school was started in June 2012 at Bhadreshwar village of Mundra Taluka. The objective behind setting up this school is to provide free education to children of fishermen and economically challenged families. The foundation provides nutritious food to the pupils including breakfast, lunch and snacks every day. Special care is taken to provide high quality education and overall development of children. The children are groomed to go back to their families and communities and be the agents to change.

**Adani Vidya Mandir,
Bhadreshwar**

Building a strong community relationship is the key to progress of Adani Foundation. The programs such as Education, Health and Sustainable livelihood development play a very important role in building this strong relationship with the community. These three programs are incomplete without the inclusion of the Rural Infrastructure Development program.

It is important to build new structures. It is equally important to maintain these with ease and regularity. Adani Foundation has designed, planned and built a strong infrastructure for the betterment of education, community health, agriculture and living standards, all initiatives were fulfilled according to the official requests and demands of people of the community and the Gram Panchayat.

Under this core area, the Projects undertaken including construction of various infrastructures in villages as per requirements.



RURAL INFRASTRUCTURE DEVELOPMENT



Water Conservation

Projects: Being situated in the coastal region, Kutch District has issues of safe drinking water. In Kutch, there is scarcity of potable water. Moreover, the water contains high level of TDS. High TDS is the root cause of bone and kidney diseases. In almost all villages of Mundra Taluka, people use ground water for drinking purpose. To deal with this situation, Adani foundation has initiated to construct check dams and pond deepening works.

This year Adani foundation carried out pond deepening in Kandagra village and constructed earthen bund construction across the river at Tunda Wandh village.

Drinking Water Related

Projects: Potable drinking water is basic requirement of any village. For better health and hygiene of village drinking water should be clean and pure. So, this project will create positive and

effective social impact. Adani Foundation has installed RO Plant at primary school at Tunda Wandh. It has also constructed an overhead water tank at Modhava village.

4

Education Related Projects: Education is the most powerful weapon which you can use to change the world." To improve the quality of education and to improve school environment, the Adani Foundation supports for infrastructure development on request basis. Adani Foundation carries out the construction of assembly hall, classrooms, computer labs, space for midday meal, playground, school walls, washrooms etc. as per the needs and preferences of the school. It is aimed at providing facilities in education sector to the present generation.



We have constructed Community Hall and four classrooms at Adani DAV public school, Nana Kapaya. We have constructed toilets and security cabin at Adani Vidya Mandir at Bhadreswar.



Health Related Projects: The proposed work was related to our major core area – health. Adani Foundation has constructed medical center at Tragadi, and individual toilets at Dhrub, Luni Badar and Navinal village.



4



Adani Foundation has also constructed platforms for drinking water, solar light, space for drying fish, etc. The construction of temporary residence of fishermen in order to provide them healthy lifestyle is being looked under the Fisherman Housing Programme by the Adani Foundation. In 2015-16, Adani Foundation constructed 1600 Ntr approach road for Pagadiya fisherman of Shekhadia. Sand filling was done at Old Bandar and Luni Bandar. We have constructed a Training Center at Luni bandar itself for various training programmes.



Fisherman Related Projects: The primary objective of Adani Foundation is the development of the marginalized section of the region. The welfare of the Fisher Folk Community is of prime importance. In order to raise the standard of living of the fisherman community, Adani Foundation is active in providing good roads to reach ports and other remote corners of the Dist.. Kutch

Other Projects: Some Projects we took up to fulfill the demands of communities. We have completed Atithi Bhavan construction at Tunda Wandh, Sai Suthar Samajwadi at Mundra, Construction of Madresa room at Luni etc.



4

Affordable Housing competition

In August 2014, We have organized Model Making Competition among students of technical branch of Kutch District. The three Winners of the Competition constructed replica of their model at Nana Kapaya, Baroi and Gundala Village, which will be used as medical centre at Gundala and Nana Kapaya and as a residence for the poorest of poor at Baroi Village.

"We are glad to share that the students have learnt the practical, economical and soft approach of civil engineering. This learning would play crucial role in building their knowledge and confidence as a professional. Use of local resources is the need of the hour; we must realize the importance of our future generation and give them immense support to grow."



4

Adani Skill Development Centre (ASDC) is playing a pivotal role in implementing sustainable development in the state.

Several miscellaneous industries exist in Kutch district. Adani Skill Development Centre has started a centre in Mundra block so that the needs of these industries are fulfilled, the local youth is enrolled in various training / skill courses and the distance between the both is minimized.

The objective of this center is to impart different kinds of training to the students of 10th, 12th, college or ITI from surrounding areas. Thus, various employment-oriented trainings are organized to optimize the skills, art and knowledge through proper guidance and direction.

Due to social and cultural traditions, various training programmes are organized at school or village level for youth and women so that they can gain the benefits in the future as well.

Adani Skill Development Centre provides opportunities to the young people to become self-reliant, responsible and active citizens.



Adani Skill Development Centre

ASDC is proud that along with generating employment, it has also been a source of inspiration for entrepreneurship.

Vision:

To systematize the skill development efforts in the Nation and create an environment where youth and women not only get some vocational training but also gets some gainful employment, entrepreneurship and self-respect.

Objective:

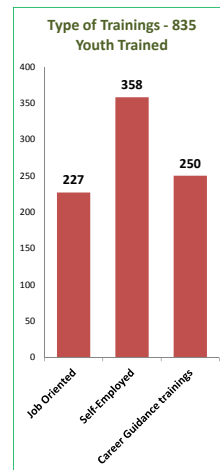
- Bridge the wide gap in demand & supply of human power.
- Awareness regarding availability, needs and vision for career development and education.
- Facilitation, spreading awareness, creating new opportunity to upgrade skills through organizing various skill trainings in the region.
- To improve overall status of rural Youth and women in the society by enhancing confidence and entrepreneurship in them.

- Encouraging youth for participatory approach in social and economic activity and helping them to keep away from addictions, to become self-dependent, and empower them to live a dignified life.
- To build a feeling of harmony in the society by creating a rapport of goodwill, mutual trust and respect.

Skill development trainings administered by ASDC

Each training module of ASDC is well-designed to make the learning more effective. Hands on experiment is the key factor to enhance learning in all the courses offered by ASDC.

All the trainings are offered at either ASDC centre, Port, Power plant, or at specific villages depending on the need of the module and the students. Certificate for each course is given by ASDC or by partner institute.



4

IT- Basic Computer

Word, Excel, Power Point, Internet, Web Browser detail

Tally ERP 9

Basic Accounts, Voucher Entry, Ledgers, Group Creation, VAT, TDS, Service tax, Excise etc. is taught for 60 days to benefit students of class XII and above having commerce background.

Spoken English

Grammar, Tenses, Vowels, Articles, Prepositions, Phonetics, Tenses, Communication Skills etc. are offered especially for students and working people. The duration for this course is of 60 days.

Auto mobile Assistance

The training given here is regarding Units and Dimensions, Measuring & Marketing (Preparation of jobs for welding, Dismantling and assembly of components), Inspection, Preventive etc. and repair of bearing, gearbox, couplings, and TPM, Condition Monitoring, Kaizen.

O&M of Coal Handling System at Ports

This module includes Induction at Port + First Aid + Safety training, GSU (Grab Ship unloaded) Crane Theory training, GSU Crane Simulator training, Commercial Documentation O & M of coal handling Activities, Stacker Reclaimer Theory training, Silo Theory Training, Conveyor Theory Training, On Job Training conveyor.

Checker cum RTG Crane Operator

In this programme students get training regarding Safe Operating Practices, RTG Controls and Functions, Pre-Operational and Operational Checks, Driving, Hoisting and Lowering Loads, Operations - Transferring Loads for three months.



Mechanical & Electrical work of Container Terminal

This programme includes training of Crane Operation & maintenance for two months and the minimum qualification for this is ITI Fitter & Electrical.

• **Stitching & Bagging Machine Operator**

The training includes teaching of stitching and bagging operation in FCC 7 plant. It is for 1 Month and the min. qualification required is 10 Pass.

• **Checker**

Students get basic induction on Safety, Fire, First Aid, Security, CT, Export Import Procedures, Identification of containers, Container construction, Hazardous classification & Symbols, Role of yard checker, Role of deck checker, Role of Wharf checker, Bay Plan, Awareness of RDT, Custom Seal.

• **Vocational training for 9th and 10th std students**

1. Basics of Agriculture and Animal Husbandry, 2. Workshop and Engineering, 3. Energy and Environment, 4. Food Processing, Personal Health and Hygiene.

• **Light Motor Vehicle**
• **Mobile Repairing**



• **LED Bulb Assembly**

• **Courses for Females**
Beauty Parlour, Tailoring, Mud work, Thread work, Glass Painting, Fabric work each Basic Embroidery work etc.



"Project Swaadheen"-

We gave this name as it proves to be helping the students to become "swa-adheen" - self motivated. Total 65 students from 9th & 10th Std. participated in this training.

This unique project was implemented in collaboration with an organization Lend - a - Hand India and Zarpara School. We provided vocational training and career guidance to young boys and girls from urban and rural communities in pre-identified trades as a part of secondary school curriculum.

This year we initiated this project at Zarpara High School and trained the students in various skills related to Electricity, Engineering, Agriculture and Animal Husbandry, home and health etc. Students gained a lot of practical knowledge, guidance of right vocation for them, self-dependence and confidence.

4

Training for MIS

A Training Programme was conducted by the Head Office for All Coordinators and Project Officer for MIS Application. Adani foundation has planned to start AF Online Application for reporting, monitoring & evaluation. Training for the same was organized from 8th June to 11th June 2015 at AMDC in coordination with Cyber Swift. The training was organized by Mr. Sanjiv Ranjan.

Adani foundation CSR Conclave 2016

"Adani foundation CSR Conclave 2016" was held on 8th and 9th January 2016 at AMDC, Ahmedabad.

The Conclave gave further momentum to our works by consolidating newer and passionate ideas which are more dynamic impactful, replicable and at the same time sustainable.



5

Adani Foundation, CSR Budget - Mundra				
Budget Utilization 2015-16 (Oct.15 to Mar.16)				
Sr. No.	Program	Expenditure	Expenditure	Total
		Apr.15 to Sept.15	Oct.15 to Mar.16	2015-16
A.	Admin Expense	52.49	94.21	146.7
B.	Education			
(i)	Education Initiative	37.96	18.97	56.93
(ii)	Adani Vidya Mandir-Bhadreshwar	44.56	75.2	119.76
(iii)	Shanti Vihar	147.89	180.18	328.07
	Sub Total	230.41	274.35	504.76
C.	Community Health	161.27	134.06	295.33
D.	Fisher Folk, SLD & Agriculture	98.04	87.23	185.27
E.	Rural Infrastructure Development	75.25	205.13	280.38
	Other Expenditure	88.9	0	88.9
BUDGET 2015-16: GRAND TOTAL		706.36	794.98	1501.34

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adani™

