

**F. No. 11-82/2011-IA III**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(I.A. Division)**

Indira Paryavaran Bhawan  
Aliganj, Jorbagh Road,  
New Delhi -110003

Dated 19<sup>th</sup> December, 2016

To,

**The Chairman**  
**M/s Kandla Port Trust,**  
**Administrative Office Building,**  
**Annex Building, 1<sup>st</sup> Floor, Post Box No. 50,**  
**Gandhidham-370201,**  
**Kutch District,**

**E-mail: [dychariman@kandlaport.gov.in](mailto:dychariman@kandlaport.gov.in); Fax: 02836-236323**

**Subject: Development of 7 Integrated facilities (stage-I) within the existing Kandla Port Trust limit at District Kutch (Gujarat) by M/s Kandla Port Trust –Environmental and CRZ Clearance reg.**

**Ref.: Your online proposal no. IA/GJ/MIS/28772/2011 dated 16<sup>th</sup> May, 2016.**

Sir,

This has reference to your online proposal no. IA/GJ/MIS/28772/2011 dated 16<sup>th</sup> May, 2016 alongwith project documents including Form I, Terms of References, Pre-feasibility Report, EIA/EMP Report, Public Hearing report regarding above mentioned project.

2.0 The Ministry of Environment, Forest and Climate Change has examined the application. It is noted that the proposal is for development of 7 Integrated facilities (stage-I) within the existing Kandla Port Trust limit. Total port handling capacity of the existing port is 131.07 MMTPA. Additional handling capacity of 7 projects is 32.07 MMTPA. Overall capacity after implementing 7 projects will be 163.14 MMTPA. The details of proposed 7 facilities are as given below:

- i. Development of Oil Jetty to Handle Liquid Cargo and Ship Bunkering Terminal at Old Kandla under PP mode ( Jetty : 300 m x 15 m, approach: 450 m x 10 m, Back up area 5.5 ha, capacity 3.39 MMTPA, capital dredging : 1,73,660 m<sup>3</sup>, maintenance dredging : 1,56,294 m<sup>3</sup> Estimated Cost : 276.53 Crore.
- ii. Multipurpose Cargo Terminal at Tekra off Tuna on BOT basis ( T shape Jetty- 600 m x 80 m, capacity 18 MMTPA, back up area: 101 ha, Capital dredging : 1,26,57,175 m<sup>3</sup>, maintenance dredging : 18,98, 576.25 m<sup>3</sup>, estimated cost : 1686.66 Crore.
- iii. Upgradation of Barge handling capacity at Bunder Basin at Kandla ( capacity : 3.33 MMTPA, Back up area: 5 ha, Estimated cost: 109.59 Crore.
- iv. Construction of Rail Over Bridge at NH 8A near Nakti Bridge (Crossing of NH8A) ( Estimated Cost : 32.17 Crore.



- v. Mechanization of Dry cargo handling facility at Kandla Port (Berth 7 & 8) ( capacity 7.35 MMTPA, Estimated cost : 80.61 Crore.
- vi. Strengthening of Oil Jetty 1 (Estimated Cost : 7.5 Crore).
- vii. Modification and Strengthening of Cargo Berths no. 6 at Kandla Port ( Estimated cost : 11.5 Crore).

3.0 It is reported that there is no sensitive location as per wildlife (protection) Act, 1972/ notified eco sensitive area/interstate boundary and international boundary within 10 km distance. There is no forest land involved. Currently KPT has the cargo handling capacity of around 100 MMTPA and KPT has target of augmenting its cargo handling capacity upto 200 MMTPA by 2020. The instant proposal is for the environmental clearance of 7 future projects of Kandla Port Augmenting the cargo handling capacity of the port by 32.07 MMTPA. The additional cargo traffic will be managed through the proposed railway line.

4.0 Total quantity of capital dredging and maintenance dredging will be 1,28,30,835 m<sup>3</sup> and 20,54,870.25 m<sup>3</sup>/ year respectively. As per CWPRS, Pune modelling study, location of site for disposal of dredged material is south of OTB (Latitude 22°50'00" & Longitude 70°07'00").

5.0 Following air pollution control measures will be taken to control fugitive emissions from the projects:

- (i) Dry bulk materials storage and handling facilities will be designed to minimize or control dust emissions.
- (ii) Coal & mineral cargo will be stored in silos.
- (iii) Installation of automatic water sprinklers.
- (iv) Truck carrying cargo should be covered with tarpaulin to avoid fugitive emissions.
- (v) Concrete road should be constructed and maintained.
- (vi) Brooming machine will be provided for dusting of concrete roads.

Fresh water requirement from high service reservoir near Bhachau and Narmada Canal through 18" pipeline of Gujarat Water supply and Sewerage Board will be 19 KLPD. Sewage will be treated in the sewage treatment plant. Oil / grit or oil / water separators will be installed in all runoff collection areas. Ballast water from the ship will be treated in the existing Ballast water treatment system. Municipal solid waste and hazardous waste will be managed as per Solid Waste Management Rules, 2016 and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Project wise details of proposed plantation is as given below:

S. N.	Name of the facility	Land requirement ( ha.)	Proposed plantation (in ha.)
1	Development of Oil Jetty at Old Kandla	5.5	1.82
2	Multipurpose Cargo Terminal at Tekra off Tuna on BOT basis	101	33.33
3	Up-gradation of Barge handling facility at Bunder Basin	5	1.65

6.0 Public consultation/hearing was held on 18<sup>th</sup> December, 2013.



7.0 Gujarat Coastal Zone Management Authority vide letter no. ENV-10-2014-25-E dated 1<sup>st</sup> July, 2015 has recommended the 7 proposed facilities to MoEF&CC under the provisions of the CRZ Notification, 2011. It is reported that as per CRZ map demarcation of HTL, CRZ boundary etc., proposed facility falls in CRZ I (B), CRZ- III and CRZ – IV categories.

8.0 All the projects related to Ports and Harbour i.e.  $\geq 5$  million TPA of cargo handling capacity (excluding fishing harbours) are listed at 7(e) of schedule of EIA Notification, 2006 covered under category 'A' and appraised at central level.

9.0 The proposal was considered by the Expert Appraisal Committee (Infrastructure-2) in its meetings held during 5<sup>th</sup> – 7<sup>th</sup> March, 2012, 28<sup>th</sup> – 29<sup>th</sup> March, 2016, 29<sup>th</sup> June, 2016 and 21<sup>st</sup> -22<sup>nd</sup> September, 2016 respectively. Project Proponent and the EIA Consultant namely M/s Mantec Consultant Pvt. Ltd., have presented EIA / EMP report as per the TOR. EAC has found the EIA / EMP Report and additional information to be adequate and in full consonance with the presented TORs. The Committee recommended the proposal for environmental and CRZ clearance.

10.0 As per the recommendations of EAC, the Ministry of Environment, Forest & Climate Change hereby accords Environmental and CRZ Clearance for the project "development of 7 Integrated facilities (stage-I) within the existing Kandla Port Trust limit, under the provisions of the Environment Impact Assessment Notification, 2006 & Coastal Regulation Zone (CRZ) Notification, 2011 and amendments thereto and circulars issued thereon and subject to the compliance of the following specific conditions, in addition to the general conditions mentioned below:

**A. SPECIFIC CONDITIONS:**

- (i) Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- (ii) The Project proponent shall ensure that there shall be no damage to the existing mangroves patches near site and also ensure the free flow of water to avoid damage to the mangroves.
- (iii) The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
- (iv) Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.
- (v) The foreshore facilities shall be set up in the stable / low or medium eroding site as demarcated in the shoreline change map by NCSCM. Further, NCSCM shall be authorize to monitor the project during construction and operation phases so as to ensure that the foreshore facilities cause minimum or no impact to the geomorphological systems.
- (vi) The PP should take measures to ensure that construction material/debris (mortar, cementing material, etc.) do not fall in the water. Construction material including labour camps should be located at adequate distance from CRZ areas.

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- (vii) Dredged materials should be analyzed for presence of contaminants and also to decide the disposal options. Monitoring of dredging activities should be conducted and the findings should be shared with the Gujarat SPCB and Regional office of the Ministry.
- (viii) PP in consultation with GCZMA should prepare a regional strategic impact assessment report with a special focus on region where the PP started construction without permission. The cost towards this study should be borne by the PP.
- (ix) 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, and the reported cases of disappearance of mangroves near project site. The preservation of entire area to maintain the fragile ecological conditions should be a part of the plan in relation to the creek and mangrove conservation.
- (x) The commitments made during the Public Hearing and recorded in the Minutes shall be complied with letter and spirit. A hard copy of the action taken shall be submitted to the Ministry.
- (xi) All the conditions stipulated in the earlier Clearance including the recommendations of Environment Management Plan, Disaster management Plan shall be strictly complied with.
- (xii) Disposal sites for excavated material should be so designed that the revised land use after dumping and changes in the land use pattern do not interfere with the natural drainage.
- (xiii) PP shall install continuous automatic ambient air quality monitoring system (24x 7) for all relevant parameters at two locations to monitor ambient air quality status of the project area. Data should be transferred online to CPCB and SPCB website.
- (xiv) The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.
- (xv) Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
- (xvi) All the operational areas will be connected with the network of liquid waste collection corridor comprising of storm water, oily waste and sewage collection pipelines.
- (xvii) Automatic /online monitoring system (24 x 7 monitoring devices) for water pollution in respect of flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's website.



- (xviii) Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components as part of the management plan. Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.
- (xix) Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.
- (xx) All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report.
- (xxi) Ships/barges shall not be allowed to release any oily bilge waste or ballast water in the sea. Any effluents from the Jetty which have leachable characteristics shall be segregated and recycled/disposed as per SPCB guidelines.
- (xxii) Location of DG sets and other emission generating equipment shall be decided keeping in view the predominant wind direction so that emissions do not effect nearby residential areas. Installation and operation of DG sets shall comply with the guidelines of CPCB.
- (xxiii) All the mechanized handling systems and other associated equipments such as hoppers, belt conveyors, stacker cum reclaimers shall have integrated dust suppression systems. Dust suppression systems shall be provided at all transfer point.
- (xxiv) No product other than permitted under the CRZ Notification, 2011 shall be stored in the CRZ area.
- (xxv) It shall be ensured by the Project Proponent that the activities does not cause disturbance to the fishing activity, movements of fishing boats and destruction to mangroves during the construction and operation phase.
- (xxvi) As proposed, green belt over an area of 36.8 ha shall be developed with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction, and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- (xxvii) Mangrove plantation in an area of 100 ha. shall be carried out by KPT within 2 years in a time bound manner. Action taken report shall be submitted to the Regional Office of MoEF&CC.
- (xxviii) Municipal solid wastes and hazardous wastes shall be managed as per Municipal Solid Waste Rule, 2016 and Hazardous Waste Management Rule, 2016.
- (xxix) The Project Proponent shall take up and earmark adequate fund for socio-economic development and welfare measures as proposed under the CSR Programme. This shall be taken up on priority.

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- (xxx) The project proponent shall set up separate environmental management cell for effective implementation of the stipulated environmental safeguards under the supervision of a Senior Executive.
- (xxxi) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes.
- (xxxii) The proponent shall abide by all the commitments and recommendations made in the EIA/EMP report so also during their presentation to the EAC.
- (xxxiii) Company shall prepare operating manual in respect of all activities. It shall cover all safety & environment related issues and system. Measures to be taken for protection. One set of environmental manual shall be made available at the project site. Awareness shall be created at each level of the management. All the schedules and results of environmental monitoring shall be available at the project site office.
- (xxxiv) Corporate Social Responsibility:
  - a. The Company shall have a well laid down Environment Policy approved by the Board of Directors.
  - b. The Environment Policy shall prescribe for standard operating process/procedures to bring into focus any infringements/ deviation/violation of the environmental or forest norms/ conditions.
  - c. The hierarchical system or Administrative Order of the company to deal with environmental issues and for ensuring compliance with the environmental clearance conditions shall be furnished.
  - d. To have proper checks and balances, the company shall have a well laid down system of reporting of non-compliances/ violations of environmental norms to the Board of Directors of the company and/or shareholders or stakeholders at large.

**B. GENERAL CONDITIONS:**

- (i) The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board (SPCB), State Government and any other statutory authority.
- (ii) Full support shall be extended to the officers of this Ministry/ Regional Office at Bhopal by the project proponent during inspection of the project for monitoring purposes by furnishing full details and action plan including action taken reports in respect of mitigation measures and other environmental protection activities.
- (iii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Bhopal regarding the implementation of the stipulated conditions.
- (iv) Ministry of Environment, Forest and Climate Change or any other competent authority may stipulate any additional conditions or modify the existing ones, if necessary in the interest of environment and the same shall be complied with.
- (v) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.



- (vi) In the event of a change in project profile or change in the implementation agency, a fresh reference shall be made to the Ministry of Environment, Forest and Climate Change.
- (vii) The project proponents shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.
- (viii) A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/ representation has been made received while processing the proposal..
- (ix) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.

11.0 These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification 1994, including the amendments and rules made thereafter.

12.0 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.

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

14.0 This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Goa Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

15.0 Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.


16.0 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.

17.0 A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, ZillaParisad/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.

18.0 The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall

simultaneously be sent to the Regional Office of MoEFCC, the respective Zonal Office of CPCB and the SPCB.

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

  
19/12/16  
(A N Singh)  
Scientist D

Copy to :-

1. The Principal Secretary, Forests & Environment Department, Government of Gujarat, Sachivalaya, 8<sup>th</sup> Floor, Gandhi Nagar - 382 010, Gujarat.
2. The Additional Principal Chief Conservator of Forests (Western Zone), Ministry of Environment, Forest and Climate Change, Regional Office, E-5, Arera Colony, Link Road -3, Bhopal -462 016, M.P.
3. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi - 110 032.
4. The Chairman, Gujarat Pollution Control Board, Paryavaran Bhawan, Sector 10 A, Gandhi Nagar-382 043, Gujarat.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhavan, Jor bagh Road, New Delhi.
6. Guard File/Monitoring File/Record File.

  
(A N Singh)  
Scientist D