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MEMBER SECRETARY  
SEIAA (GUJARAT)



STATE LEVEL ENVIRONMENT  
IMPACT ASSESSMENT  
AUTHORITY  
GUJARAT

Government of Gujarat

No. SEIAA/GUJ/EC&CRZ/7(e)/729/2020

Date: 19 JUN 2020 By R P A D

Sub: Environment & CRZ Clearance to the proposed project for revival of Mandvi Port at Mandvi, Dist: Kutch by Gujarat Maritime Board (GMB). In Category 7(e) of Schedule annexed with EIA Notification dated 14/09/2006 and CRZ Notification, 2011.

Ref: Your Proposal No. SIA/GJ/MIS/20050/2016.

Dear Sir,

This has reference to your application along with final EIA report dated 01/09/2017 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006 as well as application dated 01/06/2017 for CRZ clearance along with Form-I seeking CRZ clearance submitted to the Forests & Environment Department (F&ED), Gujarat.

The proposal is for Environmental & CRZ Clearance to proposed project for revival of Mandvi Port at Mandvi, Dist: Kutch by Gujarat Maritime Board (GMB). The capacity of cargo handling is 4.38 million MT per annum. The following activities will be carried out in CRZ areas::

- 1) Strengthening of existing wharf (75 meters out of 245 m)
- 2) Development of Marine Police Wharf (40m)
- 3) Dismantling of Groin (1 No)
- 4) Extension of Existing Groin - (extension of 100 meter)
- 5) Maintenance dredging (around 61000 cum  $\pm$  10%) near wharf wall and for inner channel
- 6) Back filling in Existing wharf
- 7) Proper C.C. for Platform
- 8) Paver block pavement within port area and repair work of existing building
- 9) Providing Cast Iron Bollard for tying the vessels
- 10) Providing Rubber tyre fender to mitigate berthing impacts on wharf face.

The project activity is covered in 7(e) and is of 'B' Category. The Public Hearing for the project is exempted as per the amendment in the EIA Notification 2006 dated 01/09/2009.

The SEAC, Gujarat vide their letter dated 27/02/2020 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project. The GCZMA had also vide their letter dated 29/05/2020 had recommended to the SEIAA, Gujarat, to grant the CRZ Clearance for the above-mentioned project. The proposal was considered by SEIAA, Gujarat in its meeting held on 06/06/2020 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental & CRZ Clearance to above project under the provisions of EIA Notification dated 14<sup>th</sup> September, 2006 & CRZ Notification, 2011 subject to the compliance of the following conditions.

**A. CONDITIONS:**

**A. 1 SPECIFIC CONDITION**

1. The GMB shall strictly adhere to the provisions of the CRZ Notification, 2011 issued by the Ministry of Environment, Forests and Climate Change, Government of India. No activity in contradiction to the provisions of the CRZ Notification shall be carried out by GMB, Govt. of Gujarat.  
All necessary permissions from different Government Departments / agencies shall be obtained by the GMB before commencing the activities.  
The GMB shall ensure that construction activities like dredging etc shall be carried out in confined manner to reduce the impact on marine environment.  
The GMB will ensure to provide proper navigation aids to eliminate any collision or grounding of ships, considering the other port related activities in the region.
5. The GMB shall have to maintain an up to date records for generation and disposal of the of the dredged material and

its disposal.

6. Dredging shall be done by appropriate dredger so as to minimize transfer of element between sediments and the water phase.
7. GMB shall monitor the environment parameters i.e. marine water, Ambient Air within the 10km radius of the port once the port starts operating after revival work.
8. No groundwater shall be tapped to meet with the water requirements during the construction and/or operation phases.
9. GMB shall ensure that there shall be no damage to the existing mangrove patches near the site and also ensure the free flow of water to avoid damage to the mangrove (If any).
10. The jetty and the approach would be supported on piles allowing adequate flow of water without significant obstruction.
11. Dredging shall not be undertaken during the fish breeding season and other special weather.
12. Dredging activity shall be completed in the least possible time by reducing over run of duration in order to minimize adverse impacts.
13. The dredging material shall be completely used for reclamation for the proposed project and due care shall be taken to avoid any adverse impact during reclamation.
14. GMB shall ensure that there shall not be any discharge of pollutants in to sea, creek etc, which affects the marine water and marine ecology like discharge from boats, accidental spillage of oils from boats, etc.
15. GMB shall take up greenbelt development activities under guidance of the Forests Department / GEER Foundation. A comprehensive plan for this purpose has to be submitted to the Forests & Environment Department, SEIAA and MoEF&CC.
16. Unit shall comply any Order/Circular/Resolution passed by concern authority w.r.t. order dated 22.11.2017 in the original application No. 424 of 2016 by The National Green Tribunal, Principal Bench, New Delhi.
17. The GMB shall participate financially for any common facility that may be established or any common study that may be carried out for the Gulf of Kutch region for environmental protection and/or management purpose.
18. The GMB shall prepare and furnish the detailed Disaster Management Plan to the concerned offices including the District Authorities and this Department.

#### **A. 2 CONSTRUCTION PHASE:**

19. No construction debris and / or any other type of waste / wastewater shall be disposed of in CRZ areas.
20. Construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages. The debris shall be removed from the construction site immediately after the construction is over.
21. It shall be ensured that there is no adverse impact on the drainage of the area due to the construction activities.
22. Solid waste likely to be generated from construction site and labour camps during construction phase will be collected and disposed off as per the Solid Waste Management Rules – 2016.
23. Vessels operating during construction phase such as dredger shall be equipped with spill response kits.
24. The construction camps shall be kept outside the CRZ areas and the construction labour shall be provided with adequate amenities like drinking water, fuel, sanitation, etc. to ensure that the existing environmental condition is not deteriorated by them.
25. Topsoil excavated during construction activities shall be stored for use in horticultural / landscape development within the project site.
26. Ready Mix Concrete should be used so far as possible. Water demand during construction should be reduced by use of curing agents, plasticizers and other best practices.
27. The Diesel Generator Set, if to be provided during the construction phase shall be of enclosed type and conforming to the EPA Rules for air and noise emission standards.
28. The overall noise level in and around the jetty area shall be kept well within the standards by providing noise control measures including engineering controls on all sources of noise generation. The ambient noise level shall conform to the standards prescribed under The Environment (Protection) Act, 1986 & Rules.
29. Vehicles hired for bringing construction material at site should be in good conditions and conform to applicable air and noise emission standards and should be operated only during non-peak hours.
30. Fly ash should be used as building material in the construction as per provisions of Fly Ash Notification under EPA.
31. Total water consumption shall not exceed 1000 KLD during the construction activities & there shall be no industrial effluent generation during construction phase.

#### **A. 3 OPERATION PHASE:**

##### **A. 3.1 WATER:**

32. Total water requirement for the project shall not exceed 30 KLD (20 KLD for domestic & 10 KLD for Industrial purpose).

33. Fresh water shall be sourced through Mandvi Nagar Palika.
34. Prior permission from the concerned authority shall be obtained for withdrawal of water. No ground water shall be tapped in any case for the project requirements.
35. The water meter shall be installed and records of monthly water consumption shall be maintained regularly.
36. There shall be no industrial effluent generation from cargo handling activity and other ancillary operations.
37. The domestic wastewater generation shall not exceed 10 KL/day and it shall be disposed off through septic tank/soak pit system.

#### **A. 3.2 AIR:**

38. There shall be no use of any fuel for the proposed activities.
39. LDO to the tune of 40 Lit./hr shall be used as a fuel in stand-by D. G. Set (70 KVA) and adequate stack height shall be provided as per the CPCB norms. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution and conforming to the EPA Rules for air and noise emission standards.
40. The fugitive emission in the work area shall be monitored. The emission shall conform to the standards prescribed by the concerned authorities from time to time.

#### **A. 3.3 SOLID / HAZARDOUS WASTE:**

41. GMB, Govt. of Gujarat shall strictly comply with the rules and regulations with regards to handling and disposal of Hazardous waste in accordance with the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016, as may be amended from time to time. Authorization of the GPCB must be obtained for collection / treatment / storage / disposal of hazardous wastes & other wastes.
42. Hazardous wastes shall be dried, packed and stored in separate designated hazardous waste storage facility with pucca bottom and leachate collection facility, before its disposal.
43. Oil spills if any shall be properly collected and disposed or may be given to SPCB authorized oil recyclers as per the prevailing Rules.
44. Necessary arrangements shall be made for safe disposal of municipal solid wastes as per the provisions of the Solid Wastes Management Rules, 2016 as amended from time to time and solid wastes shall not be released in marine water / coastal area in any case.
45. Used oil shall be sold only to the registered recyclers.
46. Any non-hazardous waste shall be disposed off as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016.

#### **A. 3.4 SAFETY:**

47. The approach channel shall be properly demarcated with lighted buoys for safe navigation and adequate traffic control guidelines shall be framed. The fishermen shall be suitably educated and informed about the traffic guidelines.
48. Local Oil Spill Contingency and Disaster Management Plan shall be prepared in consonance with the National Oil Spill and Disaster Contingency Plan.
49. Necessary emergency lighting system along with emergency power back up system shall be provided at the harbour.
50. Personal Protective Equipments (PPEs) shall be provided to workers and its usage shall be ensured and supervised.
51. First Aid Boxes shall be provided in adequate quantity at strategic locations.
52. The project management shall prepare a comprehensive Disaster Management Plan (DMP) for the project as per the guidelines from Directorate of Industrial Safety and Health. Detailed DMP prepared shall be implemented to bring down risk involved / hazards / accidents as low as reasonably practicable.
53. Transportation of materials shall be as per the Motor Vehicle Act & Rules.
54. The project management shall ensure to comply with all the environment protection measures, risk mitigation measures and safeguards mentioned in the Disaster Management Plan (DMP).

#### **A. 3.5 NOISE:**

55. The overall noise level in and around the plant area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act and Rules. Workplace noise levels for workers shall be as per the Factories Act and Rules.

#### **A. 3.6 CLEANER PRODUCTION AND WASTE MINIMISATION:**

56. High pressure hose shall be used for cleaning / washing in order to reduce wastewater generation.



57. Energy efficient machineries, fixtures and equipment will be used during the construction and operation phase as far as possible.
58. Use of energy efficient fixtures, LED bulbs and use of renewable energy sources (wherever feasible).

#### **A. 3.7 GREEN BELT AND OTHER PLANTATION:**

59. Drip irrigation / low-volume, low-angle sprinkler system shall be used for the green belt development within the premises.

#### **B. OTHER CONDITIONS:**

60. All the recommendations, EMP, mitigation measures, environmental protection measures and safeguards proposed in the EIA report of the project prepared by M/s: Indomer Coastal Hydraulics (P) Ltd., Chennai (NABET accredited EIA consultant) and submitted by project proponent vide your letter dated 17/03/2017 and commitments made during presentation before SEAC and proposed in the EIA report shall be strictly adhered to in letter and spirit by GMB, Govt. of Gujarat.
61. A separate budget shall be earmarked for environmental management and socio-economic activities including the greenbelt / mangrove plantation and details thereof shall be furnished to F&ED, SEIAA as well as MoEF, GoI. The details with respect to expenditure from this budget head shall also be furnished along with compliance report.
62. A separate environmental management cell with qualified personnel shall be created for environmental monitoring and management during construction and operational phases of the project.
63. The project shall be implemented in such a manner that there shall be no any hindrance to movement of fishing vessels or fishermen.
64. The Project proponent shall bear the cost of the external agency that may be appointed by SEIAA or Forests & Environment Department [F&ED], Gujarat for supervision / monitoring of proposed activities and the environmental impacts of the proposed activities.
65. The Project proponent shall regularly submit the half-yearly compliance report on the conditions stipulated in hard and soft copies to the regulatory authorities concerned, on 1st June and 1st December of each calendar year.
66. Any other condition that may be stipulated by the SEIAA / F&ED from time to time for environmental protection / management purpose shall have to be complied with by The Project proponent.
67. The project authorities must strictly adhere to the stipulations made by the Gujarat Pollution Control Board (GPCB), State Government and any statutory authority.
68. No further expansion or modifications in the plant likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.
69. The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Transboundary Movement) Rules 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.
70. The company shall undertake socio-economic developmental / community welfare activities as per the CSR Rules 2014.
71. Compliance of MoEFCC's OM dated 01/05/2018 regarding "Corporate Environment Responsibility" (CER). Fund allocation for Corporate Environment Responsibility (CER) shall be made as per MoEFCC's O.M. No. 22-65/2017-IA.III dated 01/05/2018 for various activities therein. The details of fund allocation and activities for CER shall be incorporated in EIA/EMP report.
72. The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.
73. The applicant shall inform the public that the project has been accorded environmental & CRZ clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB. This shall be advertised within seven days from the date of the clearance letter, in at least two local newspapers that are widely circulated in the region, one of which shall be in the Gujarati language and the other in English. A copy each of the same shall be forwarded to the concerned Regional Office of the Ministry.
74. The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose of the environmental protection and management.
75. It shall be mandatory for the project management to submit half-yearly compliance report in respect of the stipulated prior environmental clearance terms and conditions in soft copies to the regulatory authority concerned, on 1st June and 1st December of each calendar year.
76. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
77. The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.
78. The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found

satisfactory.

79. The company in a time bound manner shall implement these conditions. The SEIAA reserves the right to stipulate additional conditions, if the same is found necessary.
80. The project authorities shall inform the GPCB, Regional Office of MoEF and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
81. This environmental clearance is valid for seven years from the date of issue.
82. Any appeal against this environmental 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.
83. Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.

With regards,  
Yours sincerely,

  
(S. M. SAIYAD)  
Member Secretary

**Issued to:**  
Vice Chairman & Chief Executive Officer,  
Gujarat Maritime Board,  
Sagar Bhavan, Sector 10-A, Chh Road,  
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