



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Gujarat)

To,

The Chief Engineer
DEENDAYAL PORT TRUST
A.O.Building ,Annex, P.O.Box No. 50 , Gandhidham- Kutch -370201

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/GJ/NCP/66680/2021 dated 14 May 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|---|
| 1. EC Identification No. | EC23B033GJ179470 |
| 2. File No. | SIA/GJ/90705/2022 |
| 3. Project Type | New |
| 4. Category | B1 |
| 5. Project/Activity including Schedule No. | 7(e) Ports, Harbours |
| 6. Name of Project | Setting up of RoRo/RoPax Facility at, Muldwarka Port, Gujarat |
| 7. Name of Company/Organization | DEENDAYAL PORT TRUST |
| 8. Location of Project | Gujarat |
| 9. TOR Date | 17 Nov 2021 |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 30/12/2023

(e-signed)
Asav P. Gadhvi
Member Secretary
SEIAA - (Gujarat)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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No. SEIAA/GUJ/EC&CRZ/7(e)/
1710 /2023

Date: 30 DEC 2023 By: R P A D
Time Limit

Sub: Environment & CRZ Clearance for the development of Setting up of RoRo/RoPax Facility at, Muldwarka Port, Gujarat at Survey No. 74/3 for Onshore area -6 Ha, Muldwarka, Kodinar, Gir Somnath. In Category 7(e) of Schedule annexed with EIA Notification dated 14/09/2006 and CRZ Notification, 2011.

Ref: Your Proposal No. SIA/GJ/NCP/66680/2021.

Dear Sir,

This has reference to your application along with final EIA report dated 04/05/2022 submitted to SEIAA, seeking Environmental Clearance under Environment Impact Assessment Notification, 2006 as well as application for CRZ clearance along with Form-I dated 06/06/2022 seeking CRZ clearance submitted to the Gujarat Coastal Zone Management Authority (Forests & Environment Department -F&ED), Gujarat.

The proposal is for Environmental & CRZ Clearance for **Setting up of RoRo/RoPax Facility at, Muldwarka Port, Gujarat at Survey No. 74/3 for Onshore area -6 Ha, Muldwarka, Kodinar, Gir Somnath** facility for berthing of vessel capacity of 2,000 DWT to 10,000 DWT . As the cargo handling capacity/port / harbour capacity of the Jetty is < 5 million TPA, the project falls in B category of the project / activity no. 7(e) in the schedule of the EIA Notification, 2006.

The project activity is covered in 7(e) and is of 'B' Category. Public consultation is not applicable as per the paragraph 7(i) III (i) (b) of the Environment Impact Assessment Notification-2006.

The SEAC, Gujarat vide their letter dated 24/11/2023 had recommended to the SEIAA, Gujarat, to grant the Environment Clearance for the above-mentioned project based on its meeting held on 18/08/2023. The Forest and Environment Department had also vide their letter dated 26/10/2023 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 15/12/2023 at Gandhinagar. After careful consideration, the SEIAA hereby accords Environmental & CRZ Clearance provisionally for six month duration to above project under the provisions of EIA Notification dated 14th September, 2006 & CRZ Notification, 2011 subject to the compliance in stipulated time period of the following conditions

A. CONDITIONS :

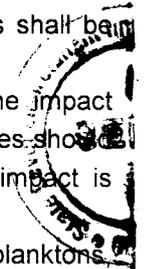
A. 1 SPECIFIC CONDITION :

1. PP shall submit approved Revised wildlife / lion conservation plan from competent authority within six Month time period & submit copy to this office.
2. PP shall strictly adhere to all conditions of CRZ Clearance issued by GCZMA vide order no. ENV-T-2022-63-T dated 20.05.2023.
3. Construction debris generated during the construction phase shall not be disposed into creek, sea, estuary or into the CRZ areas, in any case. Construction debris shall be disposed as per provisions of construction and demolition waste management rules 2016 etc.
4. PP shall not carry out any parking activities including construction in CRZ IA area as per provisions of CRZ Notification 2011
5. PP shall carry out gardening area of 33 % in premises.
6. PP shall submit shoreline management plan.
7. PP shall provide STP of 22 KLD capacity in premises & treated domestic wastewater will be used for gardening & green belt development in premises.
8. PP shall dispose off dredge material quantity (300,000 m3) as identified by Department of ocean engineering in IIT, Madras.
9. PP shall provide budget allocation of Rs. 1crore for conservation activities to conserve for schedule- I



species.

10. **Proponent shall submit the certificate of no fatality in sea turtle area and also approval of Forest department on turtle conservation plan.**
11. **PP shall obtain permission from forest department on revised conservation plan of 30.6.2023**
12. Authorized end-users shall have permissions from the concerned authorities under the rule-9 of the Hazardous and other wastes (Management and transboundary movement) Rules 2016.
13. Stream Segregation during drilling and testing activities should be adopted to separate oil and water
14. The Environmental and CRZ Clearance to the project is primarily under provisions of EIA Notification, 2006 and CRZ Notification, 2011. It does not tantamount to approvals/consent/permissions etc required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes as applicable to the project.
15. The project proponent shall abide by all the commitments and recommendations made in the Form-II, EIA and EMP report and also that have been made during their presentation to EAC.
16. Construction activity shall be carried out strictly according to the provisions of the CRZ Notification, 2011. No construction works other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area. Proponent shall obtain the CRZ Clearance for their project.
17. 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. Creek water monitoring program shall be implemented during the construction phase.
18. Dredging shall not be carried out during the fish breeding season. Dredging, etc. shall be carried out in confined manner to reduce the impacts on marine environment. As committed, Silt curtains shall be used to minimize spreading of silt plume during dredging operation. Turbidity should be monitored during the dredging using online monitoring system. No removal of silt curtain unless baseline values are achieved.
19. Maintenance dredging provided, the dredged material shall be disposed within port limits.
20. Wherever possible, dredged material shall be used for bank nourishment. With the enhanced quantities, the impact of dumping on the estuarine environment should be monitored and necessary measures shall be taken on priority basis if any adverse impact is observed.
21. An independent monitoring be carried out by any Government Agency/Institute to evaluate the impact during dredging. Impact of dredged material on estuarine environment along with shore line changes should be monitored by the PP and necessary mitigation measures be taken in case any adverse impact is observed. The details shall be submitted along with the six-monthly monitoring report.
22. Marine ecological monitoring and its mitigation measures for protection of phytoplankton, zooplankton, macrobenthos, estuaries, sea-grass, algae, sea weeds, Crustaceans, Fishes, coral reefs and mangroves etc. as given in the EIA-EMP Report shall be complied with in letter and spirit.
23. Domestic wastewater generated shall be sent to Septic Tanks equipped with Soak Pits. Wastewater generated from terminal buildings shall be treated and used for green cover development only.
24. Mangroves conservation and management plan to be prepared in consultation with State Forest department and approved plan shall be implemented.
25. A continuous monitoring programme covering all the seasons on various aspects of the estuarine, coastal and marine environs including intertidal and sub-tidal marine flora and fauna with focus on sea turtles, corals and sea grass (if any) need to be undertaken by reputed universities available in the State or by entrusting to the National Institutes/renowned Universities/accredited Consultant with rich experiences in marine science aspects. The monitoring should cover various physico-chemical parameters along with PHC coupled with biological indices such as microbes, plankton, benthos and fishes on a periodic basis during construction and operation phase of the project. Any deviations in the parameters shall be given adequate care with suitable measures to conserve the marine environment and its resources. Adequate funds be allocated for the same.
26. Continuous online monitoring of air and water covering the total area shall be carried out and the compliance report of the same shall be submitted along with the 6 monthly compliance reports.
27. The actions shall be in accordance with proposed landscape planning concepts to minimize major landscape changes. The change in land use pattern shall be limited to the proposed port limits and be carried out in such a way as to ensure proper drainage by providing surface drainage systems including storm water network.



28. All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan along with half yearly compliance report.

B. STANDARD CONDITIONS:

B. 1 AIR QUALITY MONITORING AND PRESERVATION:

29. The project proponent shall install system to carryout Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the project area at least at four locations (one within and three outside the plant area at an angle of 120°each), covering upwind and downwind directions.
30. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed emission standards.
31. Shrouding shall be carried out in the work site enclosing the dock/proposed facility area. This will act as dust curtain as well achieving zero dust discharge from the site. These curtain or shroud will be immensely effective in restricting disturbance from wind in affecting the dry dock operations, preventing waste dispersion, improving working conditions through provision of shade for the workers.
32. Dust collectors shall be deployed in all areas where blasting (surface cleaning) and painting operations are to be carried out, supplemented by stacks for effective dispersion.
33. The Vessels shall comply the emission norms prescribed from time to time.
34. Diesel power generating sets proposed as source of backup power 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. Use of low sulphur diesel. The location of the DG sets may be decided with in consultation with State Pollution Control Board.
35. A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

3.2 WATER QUALITY MONITORING AND PRESERVATION:

36. 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.
37. Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality. Silt curtains shall be used to contain the spreading of suspended sediment during dredging within the dredging area.
38. No ships docking at the proposed project site will discharge its on-board waste water untreated in to the estuary/ channel. All such wastewater load will be diverted to the proposed Effluent Treatment Plant of the project site.
39. Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle if any.
40. The project proponents will draw up and implement a plan for the management of temperature differences between intake waters and discharge waters.
41. Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.
42. Total fresh water use shall not exceed the proposed requirement as provided in the project details. Prior permission from competent authority shall be obtained for use of fresh water.
43. Sewage Treatment Plant shall be provided to treat the wastewater generated from the project. Treated water shall be reused for horticulture, flushing, backwash, HVAC purposes and dust suppression.
44. A certificate from the competent authority for discharging treated effluent/ untreated effluents into the Public sewer/ disposal/drainage systems along with the final disposal point should be obtained.

45. No diversion of the natural course of the river shall be made without prior permission from the Ministry of Water resources.
46. All the erosion control measures shall be taken at water front facilities. Earth protection work shall be carried out to avoid erosion of soil from the shoreline/boundary line from the land area into the marine water body.

B.3 NOISE MONITORING AND PREVENTION:

47. Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted as a part of six-monthly compliance report.
48. Noise from vehicles, power machinery and equipment on-site should not exceed the prescribed limit. Equipment should be regularly serviced. Attention should also be given to muffler maintenance and enclosure of noisy equipments.
49. Acoustic enclosures for DG sets, noise barriers for ground-run bays, ear plugs for operating personnel shall be implemented as mitigation measures for noise impact due to ground sources.
50. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

B.4 ENERGY CONSERVATION MEASURES:

51. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
52. Provide LED lights in their offices and residential areas.

B.5 WASTE MANAGEMENT:

53. Dredged material shall be disposed safely in the designated areas. Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring reports.
54. 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.
55. The solid wastes shall be managed and disposed as per the norms of the Solid Waste Management Rules, 2016.
56. Any wastes from construction and demolition activities related thereto shall be managed so as to strictly conform to the Construction and Demolition Waste Management Rules, 2016.
57. A certificate from the competent authority handling municipal solid wastes should be obtained, indicating the existing civic capacities of handling and their adequacy to cater to the M.S.W. generated from project.
58. 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.
59. Oil spill contingency plan shall be prepared and part of DMP to tackle emergencies. The equipment and recovery of oil from a spill would be assessed. Guidelines given in MARPOL and Shipping Acts for oil spill management would be followed. Mechanism for integration of terminals oil contingency plan with the overall area contingency plan under the co-ordination of Coast should be covered.

B.6 GREEN BELT:

60. Green belt shall be developed in area as provided in project details with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.
61. Top soil shall be separately stored and used in the development of green belt.

B.7 MARINE ECOLOGY:

62. Dredging shall not be carried out during the fish breeding and spawning seasons.
63. Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.
64. The dredging schedule shall be so planned that the turbidity developed is dispersed soon enough to prevent any stress on the fish population.
65. While carrying out dredging, an independent monitoring shall be carried out through a Government Agency/Institute to assess the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.
66. A detailed marine biodiversity management plan shall be prepared through the NIO or any other institute of repute on marine, brackish water and fresh water ecology and biodiversity and submitted to and implemented to the satisfaction of the State Biodiversity Board and the CRZ authority. The report shall be

based on a study of the impact of the project activities on the intertidal biotopes, corals and coral communities, molluscs, sea grasses, sea weeds, sub-tidal habitats, fishes, other marine and aquatic micro, macro and mega flora and fauna including benthos, plankton, turtles, birds etc. as also the productivity. The data collection and impact assessment shall be as per standards survey methods and include underwater photography.

67. 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 including all micro, macro and mega floral and faunal components of marine biodiversity.
68. The project proponent shall ensure that water traffic does not impact the aquatic wildlife sanctuaries that fall along the stretch of the river.

B.8 HUMAN/WORKERS HEALTH ISSUES:

69. The work space shall be maintained as per international standards for occupational health and safety with provision of fresh air respirators, blowers, and fans to prevent any accumulation and inhalation of undesirable levels of pollutants including VOCs.
70. Workers shall be strictly enforced to wear personal protective equipments like dust mask, ear muffs or ear plugs, whenever and wherever necessary/ required. Special visco-elastic gloves will be used by labour exposed to hazards from vibration.
71. In case of repair of any old vessels, excessive care shall be taken while handling Asbestos & Freon gas. Besides, fully enclosed covering should be provided for the temporary storage of asbestos materials at site before disposal to CTSDF.
72. Safety training shall be given to all workers specific to their work area and every worker and employee will be engaged in fire hazard awareness training and mock drills which will be conducted regularly. All standard safety and occupational hazard measures shall be implemented and monitored by the concerned officials to prevent the occurrence of untoward incidents/ accidents.
Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
73. 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.
75. Occupational health surveillance of the workers shall be done on a regular basis.

B.9 OTHER CONDITIONS:

76. The project proponent shall prepare a Site-Specific Conservation Plan & Wildlife Management Plan and approved by the Chief Wildlife Warden. The recommendations of the approved Site-Specific Conservation Plan / Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report (incase of the presence of schedule-I species in the study area).
77. The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water / from the competent authority concerned in case of drawl of surface water required for the project.
78. All excavation related dewatering shall be as duly authorized by the CGWA. A NOC from the CGWA shall be obtained for all dewatering and ground water abstraction
79. A certificate of adequacy of available power from the agency supplying power to the project along with the load allowed for the project should be obtained.
80. All other statutory clearances such as the approvals for storage of diesel / fuel from Chief Controller of Explosives, Fire Department, Coast Guard, Civil Aviation Department shall be obtained, as applicable by project proponents from the respective competent authorities.
81. The company shall have a well laid down environmental policy duly approved by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest /wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake

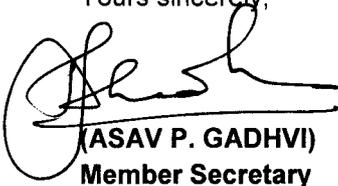


- holders. The copy of the board resolution in this regard shall be submitted as a part of six-monthly report.
82. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly report to the head of the organization.
83. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
84. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

C. COMPLIANCE OF ENVIRONMENT CLEARANCE /REPORTING/ ADMINISTRATION / APPEAL:

85. Project proponent shall inform to all the concerned authorities including Municipal Corporation and District Collector and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the Environment Clearance order accorded.
86. Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.
87. Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.
88. The Nodal Department or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.
89. In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the Environment Clearance accorded.
90. Any person including the project proponent affected by this Environment Clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of Environment Clearance as prescribe under section 16 of National Green Tribunal Act 2010.
91. All complaints and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj@gmail.com& (b) seacgujarat@gmail.com

With regards,
Yours sincerely,


(ASAV P. GADHVI)
Member Secretary



Issued to:
Suresh Patil
Chief Engineer
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Gandhidham,kutch,Gujarat-370201