



जवाहरलाल नेहरु पत्तन प्राधिकरण JAWAHARLAL NEHRU PORT AUTHORITY

ISO 9001 : 2015
ISO 14001 : 2015
ISO 27001 : 2013
ISO 45001 : 2018

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JNPA/PP&D/Vadhvan/MCZMA/2024/ 1385

Date 23/01/2024

Member Secretary,
Maharashtra Coastal Zone Management Authority,
Environment & Climate Change Department,
15th Floor, New Administrative Building,
Mantralay, Mumbai- 400 032.

Subject: Agenda no. 10 - Development of the Greenfield Vadhavan Port for CRZ Clearance -Minutes of the 171st Meeting of Maharashtra Coastal Zone Management Authority held on 15th December, 2023

Sir,

As per the 171st meeting of the Maharashtra Marine Zone Management Authority on December 15, 2023, expert's member's observations reply as follows-

Sr. No	MZMA expert member observations	JNPA's submission
	Dr. Shindikar, Expert Member, MCZMA	
1	Whether the EIA report is carried out is Rapid or comprehensive.	As per the ToR, EIA studies have been conducted and they are conducted in one season. Comprehensive study (in another season) has been conducted. In addition to this marine environmental studies have been conducted through the respective expert agencies of GoI as per the ToR and also Government renowned research organizations Central Water and Power Research Station (CWPRS), Pune, CSIR - National Institute of Oceanography (NIO), Indian Institute of Technology Bombay and Madras, Indian National Centre for Ocean Information Services (INCOIS), ICAR-Central Marine Fisheries Research Institute, Institute of Remote Sensing (IRS), Chennai, India Meteorological Department, Zoological Survey of India (ZSI) and National Centre for Coastal Research (NCCR) & Indian National Centre for Ocean Information Services (INCOIS) have conducted baseline survey at study area and the same is incorporated in the Draft EIA report.
2	Whether the public hearing have been conducted	Yes, MPCB has conducted Public Hearing on 19th January, 2024 at Palghar.

		Public Hearing at Daman was conducted on 21st Dec 2023, MoM submitted to MoEF&CC by Daman Pollution Committee on 10th Jan 2024.
3	Studies of erosion / accretion along the coastline near the project site	Yes study conducted as compliance to ToR for Impact of Breakwaters and Transport Carrier on the Erosion/ Accretion for the Vadhavan Port' by National Centre for Coastal research (NCCR) and Indian National Centre for Ocean Information Services (INCOIS), Ministry of Earth Sciences (September 2023). Copy of the report is already provided to MCZMA and also available in link given below
4	Material proposed to be used for reclamation and source of it	The port is proposed to be developed on reclaimed land in the offshore area. The port limits have been declared by GoI vide Gazette notification on 19 th Feb 2020. The reclamation of land is proposed from sea sand sourced from Daman coast which is at 65 kms Northward of proposed Port. The sources of quarry material required for construction of port infrastructure have been identified from Palghar Taluka.
Dr. Kudale Expert Member MCZMA		
5	Tarapur Atomic Project is close the Vadhavn port site and there is outflow from the said project. EIA studies should include the impact of the project on said Tarapur atomic project and its outflow	Yes, details covered in EIA report. Also CWPRS has conducted studies on Mathematical and Siltation studies to assess the impact of proposed port at Vadhavan on Tarapur Atomic Station. Study related to Probability and Impact of Drilling/Collision Of Ships near Taps Site with reference to the Development of Vadhvan Port on the West Coast of India, 12 Kms North of TAPS, Tarapur was also conducted by SVS Marine Services Pvt. Ltd. Based on various studies and subsequent examination by Department of Atomic Energy, this project received NOC & a copy of the same is enclosed. The copies of reports have already been provided to MCZMA and also available in link given below.
6	There is huge reclamation involved in the project. Impact of the reclamation on the marine life should be reported in the details. Source of material which will be used for reclamation should be reported.	As compliance to ToR, Zoological survey of India has conducted study Biodiversity study for the proposed Burrow pit region in Arabian sea with Reference to development of Vadhavan port, Palghar, Maharashtra and submitted report in October 2023 which is already submitted to MCZMA and also

		<p>available in given below link. No adverse impact is indicated.</p> <p>Further, based on the actual requirement for the construction of Port the requirement of reclamation is about 200 Million cum. Considering the substantial amount of reclamation requirement, it was decided to extract the fill material through marine sand borrow pit as against the earth filling in view of the ecological sensitivity of the region. The marine sand borrow pit was identified in the offshore of the Daman Coast about 50 km from the proposed Vadhavan Port site at a depth varying from 20 m to 25 m.</p> <ul style="list-style-type: none">✓ Marine sand will be dredged using Dredging Equipment and the sand will be transported by sea route and dumped at the reclamation location within protected Bunds.✓ IIT Madras have conducted simulation study to ascertain impact of sediment transport✓ As per the observations of study marine burrow pit location is far away from the coastal region i.e about 50 - 60 kms and associated strong currents, the concentration of the sediment plume gets weakened immediately during the dredging activity. <p>Plume trajectory of the dredged sediment does not move towards the coast, and do not to cause any impact on the shore and the marine environment.</p>
7	How the material will be transported for breakwater construction.	The quarry material required for construction of port infrastructure have been identified from Palghar Taluka. The stone amour block and quarry material required for construction of break water will be transported by barges from loading point to work site as well as through trestle constructed for liquid jetty.

Please note that English and Marathi versions of EIA report and various scientific study reports /documents shared to Director Environment submitted to MCZMA on 16th Dec. 2023 and Secretary Environment GoM on 12th Jan 2024.

The executive summaries in English and Marathi as per the MoEF&CC, public hearing procedure have been kept in the designated locations and also submitted the other technical reports in both languages as a gesture on

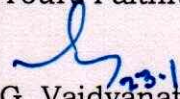
insistence of Hon'ble Chief Minister of Maharashtra meeting dated 5th Dec. 2023 towards obtaining better suggestions from the public.

The following links are given below. English EIA Document Link-
https://drive.google.com/drive/folders/1iUP0ptXduXAmJrOTIE_xSgGCAeTgeg7G?usp=sharing
Marathi EIA Document Link-
https://drive.google.com/drive/folders/11_oOawtlbj7mqNV07-4TOZtPRrwWq6O7?usp=sharing

Hence, this being project of national importance and monitored at the level of PMO office, you are requested to recommend project to MoEF&CC for further approval at the earliest.

This is issued with the approval of the Chairman Incharge.

Yours Faithfully,



Dr. G. Vaidyanathan
Chief General Manager (PP&D)