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No. 11-55/2007-IA.III
Government of India
Ministry of Environment & Forests

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

Dated: 25th October, 2010

To
✓ **M/s. Jaigad Ports Infrastructure Private Limited,**
Plot No.C-221, MIDC Mirjole,
Ratnagiri - 415 639.

Subject: Environmental Clearance for developing a Cargo Handling Facility at Jaigad, District Ratnagiri, Maharashtra by M/s. Jaigad Ports Infrastructure Pvt. Ltd. - Reg.

This has reference to your application No: nil, dated 16.07.2007 and subsequent letters dated 28.09.2008, 20.06.2009 and 30.03.2010 seeking prior Environmental Clearance for the above project under the EIA Notification - 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification - 2006 on the basis of the mandatory documents enclosed with the application viz., the Questionnaire, EIA, EMP 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 25th - 26th February, 2010.

2. It is interalia, noted that the project involves development of a Cargo Handling Facility at Jaigad, which is one of the 7 identified locations for the development of port facility by State Government of Maharashtra under BOOST Scheme. Jaigad harbour is located in District Ratnagiri at Latitude 17° 17' N and Longitude 73° 14' E along the southern bank of Shastri River. Approximately 110 NM south of Mumbai and 126 NM north of Goa. Generally rugged and steep cliffs of about 20 m are present. Average depths dredged upto 10m in channel. The proposed Location is inside Jaigad creek. The creek basin has adequate water depth available even under lowest tides and has well defined approach channel. Basin has natural depths for a required turning circle for easy and free movement of ships. Existing turning circle of 300 m. dia. planned for handy maximum size vessels for bulk cargo and feeder vessels upto 1000 TEU capacity. Dredging is proposed to achieve draft of 13 m in channel and berth pocket. The total quantity to be dredged is 6.0 million cubic meters. The dredging is proposed to be carried out in phases and the quantity in the initial phase will be 2.5 million cubic meters. It includes dredging for navigational channel, sand bar (700mt X 200mt) and dredging near the berth pockets. The disposal site for disposing dredged material is located to seawards at

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20 meter contour at 73°08" E, 17°17" N. Total cost of the project is Rs.292 crores.

The recommended reclamation in the harbour is upto - 2.0 CD. The material for reclamation shall be from the dredged material and the rest shall be sourced from the approved government areas in the vicinity, if required. There are no mangroves or any vegetation present at the site of reclamation. There will not be any significant changes in the land use pattern because of reclamation and nor will there be any significant impact on water quality during reclamation. During Construction Phase 500 KVA supply is required while Operation phase requires 1500 KVA of supply. Total water requirement will be 50 m³/day. Connection of water supply is from Gram Panchayat / Maharashtra Jeevan Pradhikaran. Sewerage system is connected to the drainage system of the project area.

3. It was informed by the project proponent that the ICMAM report identified Ratnagiri as hot spot, which is 20 km away from the project site. Hydrodynamic studies were also conducted which revealed that the Coastal shoreline is stable in the area and there is no erosion as this is a rocky area, so a Comprehensive Environment Impact Assessment Study based on a minimum of three season data is not required as per Office Memorandum, dated 3rd November, 2009. The High Tide Line demarcation is carried out by NIOT. HTL at the survey site was taken to be at +1.80 m (wrt MSL). CD is equivalent to low tide line is at -1.8 m from MSL. MSL reference was recovered from a permanent Bench mark situated at Jaigad Jetty. High tide line was delineated at level of +1.80 m and low tide line at -1.80 m from MSL. Cadastral map issued by local revenue authorities has been superimposed on the HTL demarcation. The MCZMA has recommended the proposal vide letter No. MCZMA 2008/CR15/TC II, dated 29.12.2008.

4. The project has been appraised by the EAC in its 70th meeting held on 22nd - 23rd October 2008 and suggested additional TOR along with public hearing under Environmental Impact Assessment Notification, 2006. The Public hearing was conducted at Sande Lavgan, District Ratnagiri on 14th July, 2009. Major issues raised in the public hearing were employment, handling of material and flooding.

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 Environmental Clearance for the project. Accordingly, the Ministry hereby accord necessary Environmental Clearance for the above project as per the provisions of EIA Notification - 2006 and its subsequent amendments, subject to strict compliance of the terms and conditions as follows:



6. **Specific Conditions:**

- (i) Shore line changes shall be monitored periodically (every 3 month for a period of 2 years) and a report shall be submitted to the Ministry.
- (ii) The cargo handling facility shall be carried out within the Port area.
- (iii) Necessary funds shall be allocated for the construction / development of facilities like schools, hospitals for physically disabled under Corporate Social Responsibility (CSR).
- (iv) The responses/commitments made during public hearing should be complied with letter and spirit.
- (v) All the recommendation of EMP/DMP shall be strictly complied with.
- (vi) All the conditions stipulated by MCZMA vide letter No. MCZMA 2008/CR15/TC II, dated 29.12.2008 shall be strictly complied with.
- (vii) All the information submitted vide letters dated 28.09.2008, 20.06.2008 and 30.03.2010 and presented during the meetings held on 22nd - 24th August 2007, 22nd - 23rd October, 2008 and 25th - 26th February, 2010 shall be strictly complied with.
- (viii) No construction work other than those permitted in Coastal Regulation Zone Notification, 1991 shall be carried out in Coastal Regulation Zone area.
- (ix) Oil spills if any shall be properly collected and disposed as per the Rules.
- (x) The approach channel shall be properly demarcated with lighted buoys for safe navigation and adequate traffic control guidelines shall be framed.
- (xi) 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.
- (xii) The project proponent shall take up mangrove plantation/green belt in the project area, wherever possible. Adequate budget shall be provided in the Environment Management Plan for such mangrove development.

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- (xiii) The funds earmarked for environment management plan shall be included in the budget and this shall not be diverted for any other purposes. (5)

7. General Conditions:

- (i) Adequate provision for infrastructure facilities including water supply, fuel and sanitation must be ensured for construction workers during the construction phase of the project to avoid any damage to the environment.
- (ii) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (iii) Borrow sites for each quarry sites for road construction material and dump sites must be identified keeping in view the following:
- (a) No excavation or dumping on private property is carried out without written consent of the owner.
- (b) No excavation or dumping shall be allowed on wetlands, forest areas or other ecologically valuable or sensitive locations.
- (c) Excavation work shall be done in close consultation with the Soil Conservation and Watershed Development Agencies working in the area, and
- (d) Construction spoils including bituminous material and other hazardous materials must not be allowed to contaminate water courses and the dump sites for such materials must be secured so that they shall not leach into the ground water.
- (iv) The construction material shall be obtained only from approved quarries. In case new quarries are to be opened, specific approvals from the competent authority shall be obtained in this regard.
- (v) Adequate precautions shall be taken during transportation of the construction material so that it does not affect the environment adversely.
- (vi) 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.
- (vii) Ministry of Environment & Forests 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.

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- (viii) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.
- (ix) 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 and Forests.
- (x) 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.
- (xi) Maharashtra Pollution Control Board shall display a copy of the clearance letter at the Regional Office, District Industries Center and Collector's Office/Tehsildar's office for 30 days.

8. 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.

9. 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.

10. 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 Clearance and copies of clearance letters are available with the Maharashtra State 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.

11. Environmental 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.

12. Any appeal against this Environmental Clearance shall lie with the National Environment Appellate Authority, if preferred, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Act, 1997.

13. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local



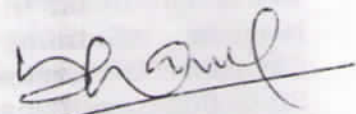
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Body and the Local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

14. 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. The criteria pollutant levels, namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.

15. 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.

16. 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.



(Bharat Bhushan)
Director (IA-III)

25.12.2010

Copy to:

1. The Secretary, Department of Environment, Govt. of Maharashtra, Mantralaya, Mumbai - 400 032.
2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32.
3. The Chairman, Maharashtra Coastal Zone Management Authority, Room No.217 (Annexe), Mantralaya, Mumbai - 400 032.
4. The Chairman, Maharashtra Pollution Control Board, Mumbai.
5. 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.)
6. Guard File.
7. Monitoring Cell.

(Bharat Bhushan)
Director (IA-III)