

No.11-65/2005-IA-III
Government of India
Ministry of Environment and Forests
(IA-III Division)

Paryavaran Bhavan,
C.G.O. Complex, Lodi Road,
New Delhi-110003

Dated the 6th September, 2007

Sub: Environmental clearance for establishing Deep Draught Berth CSS on Jetty, Dedicated Channel & Turning Circle), part of proposed Integrated Steel Plant Expansion Project of Essar Steel Ltd., Hazira, Gujrat by M/s Essar Steel Limited –regarding.

Reference is invited to the letter No.ENV-10-2007-174, dated 17th July, 2007 from Forests and Environment Department, Government of Gujarat and letter No.EstL/ENV/EC/PIII/09-06, dated 8.9.2006, dated 7.12.2006 and dated 14.12.2006, No.EstL/ENV/P3/PS/02-07, dated 12.2.2007 and dated 14.2.2007 from M/s Essar Steel Limited regarding the subject mentioned above. No Objection Certificate from the Gujarat Pollution Control Board has been obtained vide letter dated 30.5.2007 and 22.6.2007. Public hearing for the above project has been conducted on 6.10.2006.

2. The project pertains to establishment of deep draft berth 550 mts jetty dedicated channel and turning circle by M/s Essar Bulk Terminals Limited, Hazira, Gujarat.

The project is located on the Tapi river estuary. The project involves the following:-

- 550 m deep draught berth (DDB)
 - Dimensions – Length 550 m, width 25 m, depth 13 m
 - Channel – Length 6.2 km, width 180,-230 m, depth 8m
 - Turning circle – Diameter 600 m
 - Location – south ward extension of the existing jetty
- Capital dredging – 14.2 Mm³
- Maintenance dredging – 2.8 Mm³
- Reclamation - 35 ha.

3. Further, the shore handling facilities involves two bridges type rail mounted grab loaders, conveying systems, etc. Warehouse of 170 X 22 mts is also proposed. The water requirement for the project is around 120 m³/day. The sewage generated would be treated in the soak pit. The cargo handling facility for the project is estimated to be 22 million tons by 2010, which is mainly composed of iron ore, limestone and coal. No hazardous materials are proposed to be handled. The above project will cater to steel plant expansion project, which is being expanded to 10 million tonnes from the existing 4.5 million tonnes. The low lying area of 35 ha adjacent to the southward extension of the existing jetty would be required to be reclaimed for material handling stockyard and for warehousing purposes etc.

4. The proposal was considered by Expert Appraisal Committee at its meeting held 22.1.2007 - 23.1.2007 and 22.2.2007 - 23.2.2007 and has recommended.

5. Keeping in view the above facts, the proposal has been examined in the Ministry of Environment & Forests and environmental clearance from EIA Notification, 2006 and Coastal

Regulation Zone Notification, 1991 as amended from time to time is hereby accorded to this project subject to effective implementation of the following conditions:-

(A) Specific Conditions:

- (i) All the conditions stipulated by the Environment Department, Government of Gujarat vide their letter No.ENV-10-2007-174, dated 17th July, 2007 should be strictly implemented and a comprehensive compliance letter to be provided to Environment Department, Government of Gujarat and to the Regional Office of this Ministry at Bhopal every quarterly.
- (ii) The project proponent should implement all the measures that have been suggested by them in the clarification letter No.EStL/ENV/P3/PS/02-07, dated 12.2.2007 provided to the Ministry of Environment and Forests.
- (iii) The proposed jetty of 550 mts and 35 ha of the back up area proposed for reclamation will be carried out in accordance with the Coastal Regulation Zone, Notification, 1991.
- (iv) Dumping site approved for Hazira Port at A& C site shall be used for dumping whose coordinates are as follows:-

A. 21° 03' to 21° 05'N&
72°28'to72°30'E
C. 21°03'to 21° 05'N &
72°30'to 72°32'E

- (v) No mangroves should be destroyed during construction and operation of the project.
- (vi) A programme for Mangrove Conservation and Development in the region should be taken by the project proponent through a scientific/public spirited body for evolving sustainable and long term strategies. The detailed action plan alongwith fund allocation should be submitted to this Ministry as well as the Regional Office Bhopal within three months. The implementation of the conservation plan shall be monitored by the Environmental Cell of the company and a periodic report should be submitted to the Ministry's Regional Office at Bhopal.
- (vii) Sewage Treatment Plant should be included in the project and the details provided to the Regional Office of this Ministry within three months from the date of receipt of this letter.
- (viii) The recommendations of the Risk Assessment Report should be incorporated, and report submitted.
- (ix) Location of general cargo berth should be taken into consideration with regard to location of LNG terminal.
- (x) The materials for the filling and pavement construction should be made available from approved quarries.
- (xi) Sufficient fixed and mobile fire fighting system should be provided exclusively for the terminal in consultation with the local statutory bodies and fire fighting authorities.
- (xii) The project proponent should ensure that during construction and operation of the port there will be no impact on the livelihood of the fisherman. The fishermen should be provided free access to carry out the fishing activity.
- (xiii) All necessary precaution while undertaking construction and operation of the port should be taken keeping in view the bathymetric changes caused due to cyclones.

- (xiv) All development in the port should be carried out in accordance with the Coastal Regulation Zone Notification, 1991 and approved Coastal Zone Management Plan of Gujarat.
- (xv) There should be no withdrawal of ground water in CRZ area, for this project. The proponent should ensure that as a result of the proposed constructions, ingress of saline water into ground water does not take place. Piezometers shall be installed for regular monitoring for this purpose at appropriate locations on the project site.
- (xvi) The project should not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/Electricity Department.
- (xvii) Specific arrangements for rain water harvesting should be made in the project design and the rain water so harvested should be optimally utilised. Details in this regard should be furnished to this Ministry's Regional Office at Bhopal within 3 months.
- (xviii) Green buffer zone should be provided all around the project area in consultation with local forest department and the report submitted to this Ministry's Regional Office at Bhopal.
- (xix) No product other than those permissible in the Coastal Regulation Zone Notification, 1991 should be stored in the Coastal Regulation Zone area.

B. General Conditions:

- (i) Construction of the proposed structures should be undertaken meticulously conforming to the existing Central/local rules and regulations including Coastal Regulation Zone Notification 1991 & its amendments. All the construction designs / drawings relating to the proposed construction activities must have approvals of the concerned State Government Departments / Agencies.
- (ii) Adequate provisions for infrastructure facilities such as water supply, fuel, sanitation etc. should be ensured for construction workers during the construction phase of the project so as to avoid felling of trees/mangroves and pollution of water and the surroundings.
- (iii) The project authorities must make necessary arrangements for disposal of solid wastes and for the treatment of effluents by providing a proper wastewater treatment plant outside the CRZ area. The quality of treated effluents, solid wastes and noise level etc. must conform to the standards laid down by the competent authorities including the Central/State Pollution Control Board and the Union Ministry of Environment and Forests under the Environment (Protection) Act, 1986, whichever are more stringent.
- (iv) The proponent shall obtain the requisite consents for discharge of effluents and emissions under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (prevention and Control of Pollution) Act, 1981 from the Gujarat State Pollution Control Board before commissioning of the project and a copy of each of these shall be sent to this Ministry.
- (v) The proponents shall provide for a regular monitoring mechanism so as to ensure that the treated effluents conform to the prescribed standards. The records of analysis reports must be properly maintained and made available for inspection to the concerned State/Central officials during their visits.
- (vi) In order to carry out the environmental monitoring during the operational phase of the project, the project authorities should provide an environmental laboratory well equipped with standard equipment and facilities and qualified manpower to carry out the testing of various environmental parameters.
- (vii) The sand dunes and mangroves, if any, on the site should not be disturbed in any way.

- (viii) A copy of the clearance letter will be marked to the concerned Panchayat/local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.
- (ix) The Gujarat State Pollution Control Board should display a copy of the clearance letter at the Regional Office, District Industries Centre and Collector's Office/Tehsildar's Office for 30 days.
- (x) The funds earmarked for environment protection measures should be maintained, in a separate account and there should be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards should be reported to this Ministry's Regional Office at Bhopal and the State Pollution Control Board.
- (xi) Full support should be extended to the officers of this Ministry's Regional Office at Bhopal and the officers of the Central and State Pollution Control Boards by the project proponents during their inspection for monitoring purposes, by furnishing full details and action plans including the action taken reports in respect of mitigative measures and other environmental protection activities.
- (xii) In case of deviation or alteration in the project including the implementing agency, a fresh reference should be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection.
- (xiii) This Ministry reserve the right to revoke this clearance, if any of the conditions stipulated are not complied with to the satisfaction of this Ministry.
- (xiv) This Ministry or any other competent authority may stipulate any other additional conditions subsequently, if deemed necessary, for environmental protection, which shall be complied with.
- (xv) The project proponent should advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen at Website of the Ministry of Environment & Forests at <http://www.envfor.in>. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Regional Office of this Ministry at Bhopal.
- (xvi) The Project proponents should inform the Regional Office at Bhopal 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.

6. The above mentioned stipulations will be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (protection) Act, 1986, the Hazardous Chemicals (Manufacture, Storage and Import) Rules, 1989, the Coastal Regulation Zone Notification, 1991 and its subsequent amendments and the Public Liability Insurance Act, 1991 and the Rules made thereunder from time to time. The project proponents should also ensure that the proposal complies with the provisions of the approved Coastal Zone Management Plan of Gujarat State and the Supreme Court's order dated 18th April, 1996 in the Writ Petition No.664 of 1993 to the extent the same are applicable to this proposal.



(Dr. A. Senthil Vel)
Additional Director

To

M/s Essar Bulk Terminals Limited,
Essar House, 11, KK Marg,
Mahalaxmi, Mumbai-400034.

Copy to:

1. The Chief Conservator of Forests, Ministry of Environment & Forests, Ministry of Environment & Forests, Regional Office (Western Region), Kendriya Paryavaran Bhavan, Link Road No.3, Ravi Shankar Nagar, Bhopal – 4620 16.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 110032.
3. Shri J. K. Vyas, Director (Environment), Forests & Environment Department, Government of Gujarat, Block No.14, 8th Floor, Sachivalaya, Gandhinagar – 382 010.
4. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhavan, Sector 10-A, Gandhinagar – 382 010, Gujarat.
5. DIG (SU), Regional Office Cell, Ministry of Environment & Forests, New Delhi.
6. Guard File.
7. Monitoring Cell.
8. Director (EI), Ministry of Environment & Forests, New Delhi.



(Dr. A. Senthil Vel)
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