

No.10-47/2008-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 12th January, 2009

Sub: Coastal Regulation Zone clearance for proposed waterfront development project at Mundra District Kachchh, Gujarat of M/s Mundra Port and SEZ Limited – Environmental clearance – regarding.

Reference is invited to the letter No.ENV-10-2008-843-P, dated 13.10.2008 from Forest and Environment Department, Government of Gujarat and letters No.MPSEZ/Ping/WDP/EC/MoEF01, dated 29.3.2008, No.MPSEZ/Plng/waterfrontdevelopment/MoEF01, dated 10.4.2008, No.MPSEZL/WFDP/MoEF08, dated 7.11.2008, No.MPSEZL/WFDP/MoEF08, dated 18.11.2008 and No.MPSEZ/PLNG/EC/CRZ/WFDP12, dated 16.12.2008 from M/s Mundra Port and Special Economic Zone Limited and letter No.GPCB/PH/2008-09/Kutch-19/26769, dated 18.11.2008 from Gujarat State Pollution Control Board regarding the subject mentioned above.

2. The project is for developing waterfront development which includes North Port, South Port, West Port and East at Port. Mundra District Kachchh, Gujarat. The North Port, approach channel will be dredged to a uniform depth of -17.5m CD. The proposed expansion of the existing channel affecting mangroves has been dropped. Further, two turning circles of diameter about 550m at 17.5m below CD. Five container berths, Ro-Ro terminal (600m wide), railway line, backup area of 350 ha, back up facilities like rail sidings, rail truck loading facility, open paved areas, associated buildings, utilities, amenities etc. and connectivity to rail and road corridor are proposed. With regard to the East Port channel will be channel dredged to a uniform depth of -17.5m CD. For the project three turning circles of diameter about 800m dredged and maintained at -17.5m below CD, further two container terminals of total cumulative quay length of 2000m, light and heavy engineering berth-2, liquid berth-1, multipurpose berth-2, back up area 640 ha, backup facilities like rail sidings, rail and truck loading facility, open paved areas and associated buildings, utilities, amenities etc., and connectivity to the rail and road corridor are proposed. Two potential sites have been identified for shipyard development (one on eastern end and other on western end of the existing port). Both the shipyards are identical. Major facilities to be developed are, two drydocks with single position intermediate gate, block assembly area at the head of both docks for final blocking of ship sections, commissioning and outfitting quay and associated facilities. The West port shipyard area will be 281 ha and East yard shipyard area will be 320 ha. Total dredging involved for the project is 210MM³. Dredged spoil is suitable for reclamation. Dredging, reclamation and level raising activities will be carried out. Seawater intake channel is planned for Power plants, desalination plant and other industrial requirements. Further, Bocha Island (88ha), East of Bocha Island (155ha), Kotdi Mouth (981ha), Mouth of Baradimata (30ha) have been identified for conservation as a potential mangrove area, which is to be maintained by the Horticulture Department of Mundra Port. The project proponent have already undertaken 1000 ha of mangrove afforestation along the coastal areas of Gujarat and have committed a additional afforestation of 200 ha of mangroves in the coastal areas of Gujarat. Creeks will be kept open to maintain the hydrology of the region.

3. The project was considered in the Expert Committee meeting held on 23rd & 24th April, 2008, 25th & 26th November, 2008 and 19th & 20th December, 2008 and recommended the project. Keeping in view the above facts, the proposal has been examined in the Ministry of Environment & Forests and environmental clearance from Environmental Impact Assessment Notification, 2006 and Coastal Regulation Zone Notification, 1991 is hereby accorded to this project subject to effective implementation of the following conditions:-

(A) Specific Conditions:

- i) No existing mangroves shall be destroyed during construction/operation of the project.
- ii) There shall be no filling up of the creek and reclamation of the creeks.

- iii) The project proponent shall comply with all the Orders/directions of the Hon'ble High Court of Gujarat and Supreme Court in the matter.
- iv) Adequate safety measures for the offshore structure and ship navigation shall be taken in view of the high current in the area.
- v) The shore line changes in the area shall be monitored periodically and the report submitted every 6 months to Regional Office Bhopal.
- vi) The recommendations of the risk assessment shall be implemented. Any change in the design the project shall come before the committee for seeking necessary approval.
- vii) Mangrove plantation of 200 ha to be done in consultations with the GEER/GEC of Forest Department, a detailed plan shall be submitted within six months from the date of receipt of this letter.
- viii) It shall be ensured that during construction and post construction of the proposed jetty the movement fishermen vessels of the local communities are not interfered with.
- ix) Relocation of the fishermen community if any, shall be done strictly in accordance with the norms prescribed by the State Government.
- x) Marine ecology monitoring shall be done regularly during construction of Breakwater and dredging/disposal operation.
- xi) Regular monitoring of air quality shall be done in the settlement areas around the project site and appropriate safeguard measures shall be taken.
- xii) Sewage arising in the port area shall be disposed off after adequate treatment to conform to the standards stipulated by Gujarat State Pollution Control Board and shall be utilized/re-cycled for gardening, plantation and irrigation.
- xiii) Adequate plantation shall be carried out along the roads of the Port premises and a green belt shall be developed.
- xiv) There shall be no withdrawal of ground water in CRZ area for this project.
- xv) Specific arrangements for rain water harvesting shall be made in the project design and the rain water so harvested shall be optimally utilised. Details in this regard shall be furnished to this Ministry's Regional Office at Bhopal within 3 months.
- xvi) Land reclamation shall be carried out only to the extent that it is essential for this project.
- xvii) No product other than those permissible in the Coastal Regulation Zone Notification, 1991 shall be stored in the Coastal Regulation Zone area.

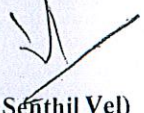
B. General Conditions:

- (i) Construction of the proposed structures, if any in the Coastal Regulation Zone area shall 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. shall 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 Pollution Control Board before commissioning of the project and a copy of each of these shall be sent to this Ministry.
- (v) The sand dunes, corals and mangroves, if any, on the site shall not be disturbed in any way.
- (vi) 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.
- (vii) The funds earmarked for environment protection measures shall be maintained, in a separate account and there shall be no diversion of these funds for any other purpose. A year-wise expenditure on environmental safeguards shall be reported to this Ministry's Regional Office at Bhopal and the State Pollution Control Board.
- (viii) Full support shall 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.
- (ix) In case of deviation or alteration in the project including the implementing agency, a fresh reference shall be made to this Ministry for modification in the clearance conditions or imposition of new ones for ensuring environmental protection.
- (x) 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.
- (xi) 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.
- (xii) The project proponent shall 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.envforin.in>. The advertisement shall be made within 7 days from the date of issue of the clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Bhopal.
- (xiii) The Project proponents shall 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.
- (xiv) 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.

4. 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 shall 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
Director (Environment),
Forests & Environment Department,
Government of Gujarat, Block No.14,
8th Floor, Sachivalaya, Gandhinagar – 382 010.

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. The Chairman, Gujarat State Pollution Control Board, Paryavaran Bhavan, Sector 10-A, Gandhinagar – 382 010, Gujarat.
4. M/s Mundra Port and Special Economic Zone Limited, "Adani House", C-105, Anand Niketan, New Delhi - 110021.
5. DIG (SU), Regional Office Cell, Ministry of Environment & Forests, New Delhi.
6. Guard File.
7. Monitoring Cell.
8. Direct (EI), Ministry of Environment & Forests, New Delhi.


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Dated the 19th January, 2009

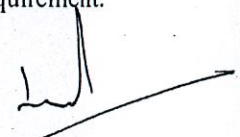
ADDENDUM

Sub: Coastal Regulation Zone clearance for proposed waterfront development project at Mundra District Kachchh, Gujarat of M/s Mundra Port and SEZ Limited – Environmental clearance – regarding.

The Ministry had earlier accorded clearance to the above project vide Ministry's letter of even number dated 12.1.2009 under the provisions of Coastal Regulation Zone Notification, 1991 and Environment Impact Assessment Notification, 2006 for undertaking the above activity. Now, vide letter No.Nil, dated 14.1.2009 from M/s Mundra Port and SEZ Limited, the project proponent have requested for inclusion of the description of South Port and West Port which has not been spell out in the above environmental clearance dated 12.1.2009.

South Port is located to the south of the exiting port. An artificially created basin of approximately 505 ha area, dredged to a uniform depth of -17.5m CD with a turning basin of diameter about 700m dredged and maintained at 17.5m below CD. Two breakwaters, one on the west side and another on east and three container terminals having total length of 2680m approximately, multi purpose terminal having total quay length of 550m, liquid berths, Ro-Ro cum service terminal, port crafts terminal of approximately 350m, two deep water berths of LNG terminal with storage facilities, back up facilities like container yard, rail slidings, rail and truck loading facility, open paved areas and associated buildings, utilities, amenities etc. (approx. 700ha) is proposed. West Port is being design to handle vessel of 275,000 DWT, which requires draft of -23m CD. Six berths with mechanized handling of coal and iron ore, five berths for dry bulk cargo, six berths for liquid cargo, approach channel of 500m width, western breakwater (4.91km), eastern breakwater (4.4km), backup area (920ha) and back-up infrastructure facilities (920ha) is proposed. The project also involves laying of intake and outfall system for the thermal power plant, desalination plant and other treated effluents which is located outside the Coastal Regulation Zone area. Further, a 300 MLD desalination plant is also proposed to meet the water requirement.

All other conditions shall remain unchanged.


(Dr. A. Senthil Vel)
Additional Director

To

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Forests & Environment Department,
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Copy to:

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