

No.10 3/2005-IA-III
Government of India
Ministry of Environment and Forests.

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

Dated the 11th March, 2005

Sub: Development of Port at Gangavaram near Visakhapatnam by M/s Gangavaram Port Limited - Environmental Clearance –regarding.

Reference is invited to the letter No.6762/SADA/2004, dated 16.12.2004 from Government of Andhra Pradesh, Environment Forests Science and Technology Department regarding the subject mentioned. Further letters from M/s Gangavaram Port Limited received vide letter No.Nil, dated 30.12.2004 have also been considered.

The proposed project involves setting up of deep-water multipurpose port at Gangavaram, Visakhapatnam district suitable for handling different types of cargos. The land requirement for the project is 1800 acres, which is being made available by Government of Andhra Pradesh. The site of the port is located at Latitude 17°37' N and Longitude 83°14' E near Dibbapalem village, Pedaganryada.

The proposal envisages construction of South Break Water of 1.3 km length, North Break Water of 1.1 km length and 4 berths, (1 dry bulk cargo, 1 fertilizer/lime stone, 1 container terminal, and 1 break bulk/multipurpose) and one exclusive berth for the port crafts, besides providing ware housing facilities and transit sheds. The project involves capital dredging of 8 million cubic metres, which will be pumped to the shore for reclamation of back up area. The project is classified as Coastal Regulation Zone-III category and the inter tidal zone falling in between High Tide Line and Low Tide Line is categorized as Coastal Regulation Zone-I(ii). The total cost of the project is Rs.1459 crores.

The Andhra Pradesh Pollution Control Board has accorded NOC for the project vide their letter No.113/PCB/C.Esst/RO-VSP/AEE-N/2002-1225, dated 24.7.2003.

The proposal has been examined and environmental clearance under the provisions of 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) The project proponent shall not undertake any destruction of mangroves during construction and operation of the project.
- (ii) All the conditions stipulated by Andhra Pradesh Pollution Control Board in their consent letter No.113/PCB/C.Esst/RO-VSP/AEE-N/2002-1225, dated 24.7.2003 shall be effectively implemented.

- (iii) Littoral drift management using Rainbow Technique should be adopted for beach nourishment on the northern side of north Break Water to combat coastal erosion problems.
- (iv) Random wave plume test should be conducted to check the stability of Breakwater section and Round Head, before commencement of work.
- (v) A large quantity of stones are proposed to be quarried from Yerada hill. Environment Management and rehabilitation plan of the quarry site should be worked out and implemented.
- (vi) Marine ecology monitoring shall be done regularly during construction of Breakwater and dredging operation.
- (vii) Regular monitoring of air quality shall be done in the settlement areas around the project site and appropriate safeguard measures shall be taken to ensure that the population is not subjected to higher levels of air pollution.
- (viii) Sewage arising in the port area shall be disposed off after adequate treatment to conform to the standards stipulated by APPCB and shall be utilized/re-cycled for gardening, plantation and irrigation.
- (ix) The Relocation of the fishermen community will be done strictly in accordance with the norms prescribed by the State Government. The relocated fishermen community will be provided with all facilities including health care, education, sanitation and livelihood.
- (x) Adequate plantation shall be carried out along the roads of the Port premises and a green belt shall be developed.
- (xi) Project proponent shall regularly update the Disaster Management Plan from time to time.
- (xii) Fire Fighting arrangements are examined to the new proposal.
- (xiii) There shall be no withdrawal of ground water in CRZ area, for this project. The proponent shall 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.
- (xiv) The project shall not be commissioned till the requisite water supply and electricity to the project are provided by the PWD/Electricity Department.
- (xv) 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 Bangalore within 3 months.

- (xvi) The facilities to be constructed in the CRZ area as part of this project should be strictly in conformity with the provisions of the CRZ Notification, 1991 as amended subsequently.
- (xvii) Land reclamation shall be carried out only to the extent that it is essential for this project.
- (xviii) Green buffer zone shall be provided all around the project area in consultation with local forest department and the report submitted to this Ministry's Regional Office at Bangalore.
- (xix) 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 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 Andhra Pradesh 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 Andhra Pradesh 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 Bangalore and the State Pollution Control Board.
- (xi) Full support should be extended to the officers of this Ministry's Regional Office at Bangalore 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.nic.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 Bangalore.
- (xvi) The Project proponents should inform the Regional Office at Bangalore 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.

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 Andhra Pradesh 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.

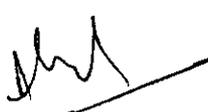

(A. Senthil Vel)
Joint Director

To

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Shri K. Upedndra Rao.
President,
Gangavaram Port Limited.
Plot No.208, Road No.14.
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Andhra Pradesh.

Copy to:

1. Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office (SZ), Kendriya Sadan, 4th Floor, E&F Wings, 17th Main Road, II Block, Koramangala, Bangalore - 560034.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
3. Shri T. Chatterjee, IAS, Principal Secretary to Government, Environment Forests Science and Technology Department, Secretariat, Hyderabad - 500022.
4. DIG (SU), Regional Office Cell, Ministry of Environment & Forests, New Delhi.
5. The Chairman, Andhra Pradesh State Pollution Control Board, Hyderabad.
6. Director EI Division, Ministry of Environment & Forests, New Delhi
7. Guard File.
8. Monitoring Cell.


(A. Senthil Vel)
Joint Director

