

F.No.11-35/2015-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 110003
Dated: 27 June, 2017

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The Director
M/s Coromandel International Limited
Sriharipuram, Malkapuram PO
Visakhapatnam, Andhra Pradesh-530011

Sib: Installation of proposed Sulphuric acid (2x12500 MT) and Phosphoric acid (2x10000 MT) storage tanks along with unloading facilities and pipelines at the existing fertilizer Wharf of Coromandel International Limited, Visakhapatnam (Andhra Pradesh) - CRZ Clearance - reg.

Sr,

This has reference to your proposal No. IA/AP/MIS/32642/2015, dated 07.11.2015 received in this Ministry for CRZ Clearance in accordance with the provisions of the Coastal Regulation Zone (CRZ) Notification, 2011 issued under the Environment (Protection) Act, 1986.

2 The proposal has been considered by the Expert Appraisal Committee (EAC)- Infrastructure Development, Coastal Regulation Zone, Building / Construction and Miscellaneous projects, in its 17th meeting held on 23rd February, 2017. The details of the project, as per the documents submitted by you and as informed during the aforesaid 167th meeting of the EAC are noted as under:

- (i) The proposed facilities will be developed within the existing wharf area (vacant land to the time of 2.84 Ha within the existing facility). No additional land will be acquired for the project.
- (ii) The proposed tank farms and transfer pipelines will fall under CRZ-II and the unloading facilities and associated transfer pipeline falls within the existing jetty (handing type jetty) and unloading facilities falls under CRZ-IV.
- (iii) The proposed Sulphuric acid and Phosphoric acid storage facilities along with unloading pipelines connecting ORI & OR2 and Fertiliser berth at wharf area in the existing pipeline corridor are permitted by the Visakhapatnam Port Trust in the land leased by the industry.
- (iv) The location of the proposed pipelines and storage tanks are at 17°41'48"N and 83°16'14"E and the entire route of the pipeline is falling Visakhapatnam Port area.
- (v) The average elevation of the site 5.18 M (17ft.) above MSL. The area envisaged for setting up the project is 2.4836 Ha.
- (vi) The length of the proposed new pipeline is 525 m long with 400 mm router diameter in the existing 2 m pipeline corridor and will be laid 1 m above the ground supported by strands.
- (vii) The Sulphuric acid tanks are 2 nos. with 22 m diameter and 12 m high with a capacity of 7500 MT each. The Phosphoric acid tanks of 2 nos with 26 m diameter and 12 m high with a capacity of 10,000 MT each are proposed near the berths in port area.
- (viii) The National Institute of Oceanography (NIO), carried out the demarcation of LTL, HTL and CRZ area and classified the same area as CRZ-II.
- (ix) As per the report, the creek width is 270 m and a setback line of 100 m from the HTL is marked as CRZ.
- (x) The route of the pipeline does not cover any ecologically sensitive area such as mangroves, coral reefs or sanctuaries except mud flats. The area is earmarked as liquid pipeline corridor and is well within the Visakhapatnam Port limits.

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- (i) The area is provided with well developed infrastructure facilities such as roads, and conveyance facilities and is a notified port and industrial area as several industrial establishments are located within the vicinity.
- (ii) The Andhra Pradesh Pollution Control Board has issued Consent for Establishment for laying of pipelines for the transportation Sulphuric Acid and Phosphoric Acid from OR1 & OR2 berths and Fertiliser berths to the existing Unit of M/s. Coromandel International Limited (CIL) located in Visakhapatnam Port Trust area at Malkapuram under Water and Air Acts.
- (iii) The cost of the project will be Rs. 27.0 Crores.
- (iv) The Andhra Pradesh Coastal Zone Management Authority (APCZMA) has recommended the project vide their letter No. 3499/ENV/CZMA/2014 dated 5th September, 2014.

3. Based on the information submitted by you as at para no. 2 above and others and information made during the presentation before the EAC, the Ministry of Environment, Forest and Climate Change hereby accords CRZ Clearance to the above project viz '*Installation of proposed Sulphuric acid (2*12500 MT) and Phosphoric acid (2*10000 MT) storage tanks along with unloading facilities and pipelines at the existing fertilizer Wharf of Coromandel International Limited, Visakhapatnam (Andhra Pradesh) by M/s Coromandel International Limited*, under the provisions of the CRZ Notification, 2011 and amendments thereto and circulars issued thereon, and subject to the compliance of the following specific and general conditions as under:

PART A – SPECIFIC CONDITIONS:

I. Construction Phase:

- (i) The project proponent shall ensure that the guidelines for building and construction projects issued vide this Ministry's OM No.19-2/2013-IA.III dated 9th June, 2015, are followed to ensure sustainable environmental management.
- (ii) All conditions/recommendations stipulated by the Andhra Pradesh Coastal Zone Management Authority (APCZMA) shall strictly be complied with.
- (iii) Provisions of Manufacture, Storage and Import of Hazardous Chemical Rules, 1989 shall be strictly implemented and compliance therefore submitted to the regional office of the Ministry and the concerned agency in the State Government.
- (iv) The project proponent shall obtain all necessary clearances/ permission from the concerned authorities as applicable.
- (v) 'Consent to Establish' shall be obtained from State Pollution Control Board under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (vi) The construction in CRZ areas shall strictly in accordance with the provisions of CRZ Notification, 2011 and as amended from time to time.
- (vii) There shall be no dressing or alteration of the sand dunes, natural features including landscape changes for beautification, recreation and other such purpose.
- (viii) All waste (liquid and solid) arising from the proposed development will be disposed off as per the norms prescribed by State Pollution Control Board. There shall not be any disposal of untreated effluent in to the sea/coastal water bodies.
- (ix) No permanent labour camp, machinery and material storage is allowed in CRZ area.

Sand

- (c) The project proponent shall ensure that no untreated wastewater is discharged outside the project premises. It will be ensured that the wastewater generated is treated in STP and is reused for landscaping, flushing and HVAC cooling purposes within the development. The project proponent should also make alternate arrangement for situation arising due to malfunctioning of STP. There shall be regular monitoring of the results of standard parameters of the effluent discharged from STP under intimation to the SPCB.
- (c) There shall no ground water drawal within CRZ without prior approval of the Central Ground Water Authority.
- (vi) Temporary toilets will be provided for all construction labour. Suitable toilet fixtures for water conservation shall be provided. Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
- (vii) The project proponent shall implement all mitigation measures recommended under the Environmental Management Plan for the project.
- (v) Disposal of muck during construction phase should not create any adverse effect on the neighbouring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (v) Soil and ground water samples will be tested to ascertain that there is no threat to ground water quality by leaching of heavy metals and other toxic contaminants.
- (vi) Any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (vii) Ambient noise levels should conform to residential standards both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/ SPCB.

I. Operation Phase

- (i) A 2% of the cost of the project shall be apportioned for environment protection and conservation measures, to be spent by the project proponent towards fulfilling its Corporate Environmental Responsibility (CER) during the currency of the project. Proper record and account of measures taken should be maintained and should also be submitted to the CZMA every six months.
- (i) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance. The record shall be submitted to the Regional Office, of the Ministry along with six monthly monitoring reports.
- (i) The treated wastewater shall be recycled and reused to reduce the demand of fresh water as committed.
- (i) Solid waste management shall be collected, treated disposed in accordance with the Solid Waste Management Rules, 2016.
- (v) Installation of the Sewage Treatment Plant (STP), as may be applicable, should be certified by an independent expert and a report in this regard should be submitted to the Ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100% grey water by

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decentralized treatment should be done. Discharge of unused treated affluent shall conform to the norms and standards of the State Pollution Control Board. Necessary measures should be made to mitigate the odour problem from STP.

- (vi) Diesel power generating sets proposed as source of back-up power for elevators and common area illumination during operation phase should conform to rules made under the Environment (Protection) Act, 1986 for diesel generator sets.
- (vi) Green belt of local species with adequate width and density shall be developed along the periphery of the plot except in areas not possible such as gates.
- (vi) Rain water harvesting system from roof run-off and surface run-off, shall be implemented. Before recharging the surface run off, pre-treatment must be done to remove suspended matter, oil and grease. The borewell for rainwater recharging should be kept at least 5 m above the highest ground water table.
- (ix) Energy conservation measures like installation of CFLs/TFLs for the lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible.

PRT – B: GENERAL CONDITIONS

- (i) A copy of the clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The Clearance letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
 - (ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
4. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.
5. The above stipulations would be enforced among others under the provisions of the 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, the EIA Notification, 2006 and the CRZ Notification, 2011.
6. Officials from the Regional Office of MoEF&CC, Nagpur who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Nagpur.
7. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
8. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

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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.

1. The project proponent should 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 CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board (SPCB) and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement should be made within Seven 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 Nagpur.

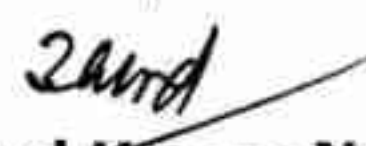
1. This Clearance is subject to final order of the Hon'ble Supreme Court of India in the matter of Ga Foundation Vs Union of India in Writ Petition (Civil) No.460 of 2004 as may be applicable to this project.

1. Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

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

1. The proponent shall upload the status of compliance of the stipulated 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&CC, 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.

1. 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 Office of the Ministry by e-mail.


(Arvind Kumar Nautiyal)
Director

Cpy to:

- The Secretary, Department of Environment Forests, Science and Technology, Government of Andhra Pradesh, Secretariat, Hyderabad - 500 022, Andhra Pradesh.
- The Chairman, Andhra Pradesh Coastal Zone Management Authority, Government of Andhra Pradesh Secretariat, Hyderabad - 500 022, Andhra Pradesh.
- The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032
- The Member Secretary, Andhra Pradesh Pollution Control Board, Paryavarana Bhavan, A-III, Industrial Estate, Sanathnagar, Hyderabad - 500 018

5. The APCCF (C), MoEF&CC Regional Office (SEZ), Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 34
6. Guard File.
7. Monitoring Cell.

Arvind
(Arvind Kumar Nautiyal)
Director