

**F.No.10-28/2005-IA-III**  
**Government of India**  
**Ministry of Environment, Forest and Climate Change**  
**(IA.III Section)**

Indira Paryavaran Bhawan,  
Jor Bagh Road, New Delhi - 3

Date: 9<sup>th</sup> May, 2018

To,

**The General Manager (Projects & Maintenance),**  
Kamarajar Port Ltd,  
Near NCTPS Vallur Port,  
Chennai-600120, Tamil Nadu  
Email: [info@epl.gov.in](mailto:info@epl.gov.in)

**Subject: Modification of existing iron ore terminal on 'as is where is' basis to handle common user coal at Kamarajar port by M/s Kamarajar Port Ltd - Environmental and CRZ Clearance - reg.**

Sir,

This has reference to your online Proposal No. IA/TN/MIS/61697/2015 dated 11<sup>th</sup> January, 2017, submitted to this Ministry for grant of Environmental and CRZ Clearance in term of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 and Coastal Regulation Zone (CRZ) Notification, 2011, under the Environment (Protection), Act, 1986.

2. The proposal for grant of environmental and CRZ clearance to the project 'Modification of existing iron ore terminal on 'as is where is' basis to handle common user coal at Kamarajar port by M/s Kamarajar Port Ltd, was considered by the Expert Appraisal Committee (Infra-2) in its meetings held on 12<sup>th</sup> - 14<sup>th</sup> April, 2017 and 27<sup>th</sup> - 29<sup>th</sup> June, 2017.

3. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above said EAC meeting, are reported to be as under:-

(i) Kamarajar Port (erstwhile Ennore Port) is the 12<sup>th</sup> Major Port and the only Corporate Major port in the country. It is located on the East coast of India in the State of Tamil Nadu

(ii) Development of Ennore Port Project at a cost of Rs.1058.52 Crores was completed and commissioned in June 2001 with two Coal Berths in Phase-I to handle thermal coal for the Thermal Power Stations of Tamil Nadu.

(iii) After the commissioning of Ennore Port, keeping in view the trade demand to handle other cargo items like LPG, POL, Chemicals, Edible Oils, Containers, etc., the Phase II Expansion of Ennore Port was planned. Ministry of Environment and Forests had accorded Environmental Clearance vide letter No.10-28/2005-IA-III dated 19.05.2006 for the following projects including associated capital dredging of 15.5 million cubic meters.

- Marine Liquid Terminal to handle 3 MTPA (BOT basis)
- Coal Terminal to handle 8 MTPA (BOT basis)
- Iron Ore Terminal to handle 12 MTPA (BOT basis)

(iv) Container Terminal to handle 12 MTPA (700 mtr quay length) and subsequently modified to handle 18 MTPA (1000 mtr quay length) vide MoEF&CC letter No.10-28/2005-IA-

III dated 10.09.2007. The Marine Liquid terminal and coal terminal are in operation. The container terminal is yet to commence their operation.

(v) With regard to the Iron Ore Terminal, due to the ban on the Iron ore mining from Bellary-Hospet region, the Iron ore terminal is lying idle without any operation.

(vi) M/s Kamarajar Port Ltd has proposed for modify the already approved Iron Ore terminal of 12 MTPA capacity to handle common user coal. The location of berths, conveyor belt system for the transport of cargo, stack yard, road and rail linkages remain unchanged and the already created facilities will be effectively utilized. No new construction of berths or any major buildings will be carried out. There are no issues of re-settlement / re-habilitation for the proposed project.

(vii) Details of existing facilities as per existing EC obtained and proposed additional facilities are as follows:

S. No.	Existing Facility	Modifications proposed
<b>A.</b>	<b>Civil Structures</b>	
1	Main Berth 347.5m x 30m with Bollard, Fenders, Ladders etc.	No change
2	Approach to Main Berth 120m x 10m	No change
3	RoRo Berth 50m x 15m with Bollard, Fenders, Ladders etc	No change
4	Stockyard – 15Ha	No change
5	Roads about 3.5 kms	No change
6	Tippler House	No change
7	Railway siding about 5.8 kms	No change
8	Buildings	No change
<b>B</b>	<b>Equipment</b>	
	Ship Loader – 5000 TPH rail monted slewing type	Not used. To be replaced with 2 nos 2000 TPH gantry type Ship unloader
	Stacker and Stacker-cum-Reclaimer	Reversing the machines to match the conveyer direction
	Wagon Unloader – 1 No. along with Side Arm Charger	Not used. To be replaced with Wagon Loading System and Truck Loading System
<b>C</b>	<b>Conveyer System</b>	
1	Conveyer BC-7 (~750m)	To be modified to handle coal
2	Conveyer BC-6 (~1100m)	Same as above
3	Conveyer BC-5 (~1100m)	Same as above
4	Conveyer BC-4 (~1700m)	Same as above
5	Conveyer BC-3 (~66m)	Same as above
6	Conveyer BC-2 (~740m)	Same as above
7	Conveyer BC-1 (~60m) Wagon Tippler Conveyer	Not to be used.  The above conveyer including the transfer towers will be modified to facilitate handling of coal. The conveyers are covered with hoods to contain fugitive dust emanation. Transfer towers

		are fully enclosed and provided with Dry Fog Dust Suppression System.
8	-	Conveyer BC-8 (~300m)
9	-	Conveyer BC-9 (~170m)
<b>D</b>	<b>Electrical System</b>	
	Electrical substation for 10.15 MVA at 110Kv	No change
<b>E</b>	<b>Pollution Control Measures</b>	
1	Lined with LDPE sheet	No change
2	Drain along with perimeter about 3 kms	No change
3	Sprinklers around the stockyard	No change
4	Settling Ponds 4500 cubic meter	No change
5	Underground water tank for dust suppression 2 x 180 cum capacity	No change
6	Greenery 15,000 sqm	Total greenery cover for 20,000 sqm
		Wind screen
		Sewage treatment plant of 10 KLD

- (viii) Water requirement: 400-450KLD will be used. Water requirement will from Chennai Metro Outsourced supply.
- (ix) A drainage system will be provided consisting of open drains along the stock piles and the stacker/reclaimer foundations. All the drains will be sent to the setting pond.
- (x) Water used for sprinkling at the stack yard will be reused. Three setting ponds of 1500KL will be used for recycling.
- (xi) There will be only mechanical waste generation from the proposed project. Port has facilitated reception facilities under MARPOL for the disposal of solid waste. Waste generated from the ships are sent to various re-cyclers for further beneficial use.
- (xii) Port has facilitated reception facilities under MARPOL for the disposal of waste/ used oil from the ships through empanelled list of CPCB approved waste oil recyclers.
- (xiii) Cargo handling with dust control measures: Coal is transferred through closed elevated conveyor system from the ship to the stack yard. High efficient water sprinklers will be used for dust suppression in the hopper, belt transfer points, wagon loading system and in the conveyor system. Wind shield at the stock yard will be provided.
- (xiv) **SCZMA Recommendation:** The Tamil Nadu Coastal Zone Management Authority has recommended the project vide letter No.3966/EC.3/2017-1 dated 16.03.2017.
- (xv) **Components in CRZ area:** The proposed conversion of iron ore berth to coal berth falls under CRZ III within LTL and inside the sea front. The proposed facilities fall under the limits of Kamarajar Port. As per CRZ notification 2011, both the proposed facilities are permissible activities under CRZ III.
- (xvi) **Investment/Cost:** The total cost of the project is Rs. 581.68 crores.
- (xvii) **ToR Details:** TOR was granted for the project vide letter F.No.10-28/2005-IA-III(pt) dated 28<sup>th</sup> January, 2016.

- (xviii) **Public Hearing:** Exempted as per Section 7 (ii) of EIA Notification, 2006, as Public hearing was earlier conducted for the existing project and there is no change in the approved capacity of the coal handling terminal i.e. 12 MTPA.
- (xix) **Employment potential:** Construction phase, it will provide job opportunities to about 120 people.
- (xx) **Court cases:** No Case is pending with Hon'ble Supreme Court
- (xxi) **Benefits of the project:**
- The proposed additional coal berths will suffice the increasing demand for coal for thermal power plants.
  - This project will lead to increase in thermal power generation, which will reduce the power dependency ultimately benefit to the nation.
  - The proposed project will generate marginal/indirect employment Opportunities.

4. The proposal was considered by the EAC in its meetings held on 27<sup>th</sup>-29<sup>th</sup> June, 2017. The EAC, after detailed deliberations on the project, has recommended the project for grant of Environmental and CRZ Clearance. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental and CRZ Clearance to the project 'Modification of existing iron ore terminal on 'as is where is' basis to handle common user coal at Kamarajar port by M/s Kamarajar Port Ltd', under the provisions of the EIA Notification, 2006 and CRZ Notification, 2011 and amendments thereto and circulars issued thereon and subject to the compliance of the following specific and general conditions as under:-

**A. SPECIFIC CONDITIONS:**

- (i) Construction activity shall be carried out strictly according to the provisions of CRZ Notification, 2011. No construction work other than those permitted in Coastal Regulation Zone Notification shall be carried out in Coastal Regulation Zone area.
- (ii) All the recommendations and conditions specified by the Tamil Nadu Coastal Zone Management Authority vide letter No.3966/EC.3/2017-1 dated 16.03.2017 shall be complied with.
- (iii) The Project proponent shall ensure that no creeks or rivers are blocked due to any activities at the project site and free flow of water is maintained.
- (iv) Dredging shall not be carried out during the fish breeding season.
- (v) Dredging, etc shall be carried out in the confined manner to reduce the impacts on marine environment.
- (vi) Dredged material shall be disposed safely in the designated areas.
- (vii) Shoreline should not be disturbed due to dumping. Periodical study on shore line changes shall be conducted and mitigation carried out, if necessary. The details shall be submitted along with the six monthly monitoring report.
- (viii) The ground water shall not be tapped within the CRZ areas by the PP to meet with the water requirement in any case.
- (ix) While carrying out dredging, an independent monitoring shall be carried out by Government Agency/Institute to check the impact and necessary measures shall be taken on priority basis if any adverse impact is observed.

- (x) Marine ecology shall be monitored regularly also in terms of sea weeds, sea grasses, mudflats, sand dunes, fisheries, echinoderms, shrimps, turtles, corals, coastal vegetation, mangroves and other marine biodiversity components as part of the management plan. Marine ecology shall be monitored regularly also in terms of all micro, macro and mega floral and faunal components of marine biodiversity.
- (xi) The project proponents would also draw up and implement a management plan for the prevention of fires due to handling of coal.
- (xii) The project proponents would also inventories the floral composition of the biota of marine and intertidal biotopes and draw up a detailed marine bio diversity conservation management plan based on possible impacts. The management plan shall be submitted also to the State Biodiversity Board and implemented to their satisfaction during the project cycle.
- (xiii) Spillage of fuel / engine oil and lubricants from the construction site are a source of organic pollution which impacts marine life, particularly benthos. This shall be prevented by suitable precautions and also by providing necessary mechanisms to trap the spillage.
- (xiv) Necessary arrangements for the treatment of the effluents and solid wastes must be made and it must be ensured that they conform to the standards laid down by the competent authorities including the Central or State Pollution Control Board and under the Environment (Protection) Act, 1986.
- (xv) All the recommendations mentioned in the rapid risk assessment report, disaster management plan and safety guidelines shall be implemented.
- (xvi) Measures should be taken to contain, control and recover the accidental spills of fuel and cargo handle.
- (xvii) Necessary arrangement for general safety and occupational health of people should be done in letter and spirit.
- (xviii) All the mitigation measures submitted in the EIA report shall be prepared in a matrix format and the compliance for each mitigation plan shall be submitted to the RO, MoEF&CC along with half yearly compliance report.

**B. GENERAL CONDITIONS:**

- (i) Appropriate measures must be taken while undertaking digging activities to avoid any likely degradation of water quality.
- (ii) Full support shall be extended to the officers of this Ministry/ Regional Office at Chennai 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.
- (iii) A six-Monthly monitoring report shall need to be submitted by the project proponents to the Regional Office of this Ministry at Chennai regarding the implementation of the stipulated conditions.
- (iv) Ministry of Environment, Forest and Climate Change 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.
- (v) The Ministry reserves the right to revoke this clearance if any of the conditions stipulated are not complied with the satisfaction of the Ministry.

- (vi) 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, Forest and Climate Change.
- (vii) 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.
- (viii) A copy of the clearance letter shall be marked to concerned Panchayat/local NGO, if any, from whom any suggestion/ representation has been made received while processing the proposal.
- (ix) A copy of this 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.

5. 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.

6. 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 and CRZ Clearance and copies of clearance letters are available with the State Pollution Control Board 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 Chennai.

7. This 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.

8. 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.

9. Status of compliance to the various stipulated environmental conditions and environmental safeguards will be uploaded by the project proponent in its website.

10. A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/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.

11. The proponent shall upload the status of compliance of the stipulated Clearance 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.

12. The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB.

13. The environmental statement for each financial year ending 31<sup>st</sup> 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 Clearance conditions and shall also be sent to the respective Regional Office of MoEF&CC by e-mail.

14. The above 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.

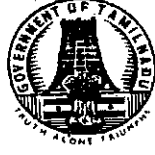
  
(Kushal Vashist)  
Director

**Copy to:**

1. The Secretary, Department of Environment, Government of Tamil Nadu, Chennai
2. The Chairman, CPCB, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32.
3. The Additional Principal Chief Conservator of Forests, Ministry of Environment, Forest and Climate Change, Regional Office (SEZ), 1<sup>st</sup> and 2<sup>nd</sup> Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 34
4. The Chairman, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032, Tamil Nadu
5. Guard File.
6. Monitoring Cell, MoEF&CC.
7. MoEF&CC Website

  
(Kushal Vashist)  
Director

**By Speed Post**



**Environment & Forests (EC-3)  
Department,  
Secretariat, Chennai – 600 009**

**Letter No. 3966/EC.3/2017-1, Dated 16.03.2017**

From  
Thiru MD. Nasimuddin. I.A.S.,  
Principal Secretary to Government

To  
The Chairman  
National Coastal Zone Management Authority  
Government of India  
Ministry of Environment, Forests and Climate Change,  
Agni wing, 5<sup>th</sup> floor, Indira Paryavaran Bhavan  
Jor Bagh Road, Aliganj  
New Delhi – 110 003 (w.e)

Sir,

Sub: Coastal Regulation Zone - Ennore Port – Request for consideration of proposed modification of existing Iron Ore terminal to handle coal – Clearance under Coastal Regulation Zone Notification 2011 duly incorporating the modification – recommended - Regarding.

Ref: From the Member Secretary, Tamil Nadu State Coastal Zone Management Authority/ Director of Environment letter No. P1/1565/2015 dated 08.03.2017.

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I am to enclose a copy of proposal received from the Member Secretary, Tamil Nadu State Coastal Zone Management Authority / Director of Environment together with the enclosures and to State that the Member Secretary, Tamil Nadu State Coastal Zone Management Authority/ Director of Environment has sent the proposal of the Kamarajar Port Limited, Chennai, who has requested to modify the existing Clearance to the effect to permit Kamarajar Port to handle common user coal instead of Iron Ore at the Iron Ore Terminal of 12 MTPA capacity and he has furnished the following details in this regard:-

(i) The Ministry of Environment, Forests and Climate Change, Government of India, has issued Clearance vide Ir. No. 10-28/2005-IA-III dated 19.05.2006, for the following activities associated with the capital dredging of 15.50 million cubic meters, proposed by Kamarajar Port Limited, Chennai, based on the recommendation of the



Tamil Nadu State Coastal Zone Management Authority in the 35<sup>th</sup> meeting held on 26.10.2005 subject to several conditions:-

- (i) an iron-ore berth to handle 12 million metric tons annually (MTPA)
- (ii) a coal berth to handle 8 MTPA
- (iii) a container terminal to handle 3 MTPA and (which was subsequently modified to handle 18 MTPA vide Ir. No. 10-28/2005-IA-III dated 10.09.2007 of Ministry of Environment, Forests and Climate Change)
- (iv) a marine liquid terminal to handle about 3 MTPA of liquid cargo comprising of LPG, POL products and chemicals such as Benzene, Styrene and LAB etc.

(1) The Kamarajar Port Limited, Chennai has requested to modify the existing Clearance to the effect to permit Kamarajar Port to handle common user coal instead of Iron Ore at the Iron Ore Terminal of 12 MTPA capacity.

2) In this connection, the Member Secretary, Tamil Nadu State Coastal Zone Management Authority/ Director of Environment has informed that the Ministry of Environment, Forests and Climate Change, Government of India (MoEF&CC, GoI) vide para "B.GENERAL CONDITIONS: (xiv) of letter No. 10-28/2005-IA-III dated 19<sup>th</sup> May 2006, indicated that a fresh reference should be made to Ministry of Environment, Forests & Climate Change, Government of India, for modification in the clearance conditions or imposition of new ones for ensuring environmental protection. Also, in the ToR F. No. 10-28/2005-IA-III (pt.) dated 28<sup>th</sup> January 2016, the Ministry of Environment, Forests & Climate Change, Government of India have requested the recommendation of the Tamil Nadu State Coastal Zone Management Authority (TNSCZMA) on the proposal.

3) In this regard, it is submitted that the subject was placed before the 93<sup>rd</sup> meeting of the Tamil Nadu State Coastal Zone Management Authority held on 27.02.2017 and the Authority resolved to recommend to modify the existing Clearance to the effect to permit Kamarajar Port to handle common user coal instead of Iron Ore at the Iron Ore Terminal of 12 MTPA capacity, to the Ministry of Environment Forests and Climate Change, Government of India, subject to the following specific conditions:-

- a) The Port should explore the possibility of setting up of a desalination plant and to avoid rely upon the Chennai Metro Water Supply and Sewerage Board.
- b) No drawl of ground water in CRZ areas.
- c) The changes in the stacking system shall be made based on the realistic assessment.
- d) Sufficient allocation should be made under CSR activities, for the Environmental related activities such as Eco-restoration of wetlands, increasing tree cover, conservation of eco-system for marine plants and animals which are under threat of degradation and destruction.
- e) Marine Environment assessment should be done through a reputed agency and the report should be shared with the Department of Environment.

4) The Member Secretary, Tamil Nadu State Coastal Zone Management Authority/ Director of Environment has sent a copy of the proposal along with the reports, HTL map and minutes of the 93<sup>rd</sup> meeting of Tamil Nadu State Coastal Zone Management Authority held on 27.02.2017 and also requested that the proposal to handle common user coal instead of Iron Ore at the Iron Ore Terminal of 12 MTPA capacity proposed by Kamarajar Port Limited may be recommended to the Ministry of Environment Forests and Climate Change, Government of India for Clearance under Coastal Regulation Zone Notification 2011.

5) In line with the recommendations of the Tamil Nadu State Coastal Zone Management Authority, this Government recommend the proposal of Member Secretary, Tamil Nadu State Coastal Zone Management Authority for Clearance under Coastal Regulation Zone Notification 2011 to modify the existing Clearance to the effect to permit Kamarajar Port to handle common user coal instead of Iron Ore at the Iron Ore Terminal of 12 MTPA capacity, subject to the following specific conditions:

- a) The Port should explore the possibility of setting up of a desalination plant and to avoid rely upon the Chennai Metro Water Supply and Sewerage Board.
- b) No drawl of ground water in Coastal Regulation Zone areas.
- c) The changes in the stacking system shall be made based on the realistic assessment.
- d) Sufficient allocation should be made under CSR activities, for the Environmental related activities such as Eco-restoration of wetlands, increasing tree cover, conservation of eco-system for marine plants and animals which are under threat of degradation and destruction.
- e) Marine Environment assessment should be done through a reputed agency and the report should be shared with the Department of Environment.

Yours faithfully,

*H. J. Subramanian*  
16/3/17

for Principal Secretary to Government

Copy to:

The Member Secretary, Tamil Nadu State Coastal Zone Management Authority/ Director of Environment, Chennai-15.

M/s. Kamarajar Port Ltd.,

4<sup>th</sup> Floor, Super Speciality Diabetic Centre,

(erstwhile DLB Building),

Rajaji Salai, Chennai – 600 001

(with the request to furnish 20 copies of the proposals to Ministry of Environment and Forests, Government of India)

SF/SC