



Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

To,

The General Manager (Marine Services)
KAMARAJAR PORT LIMITED
Near NCTPS
Vallur Post
Chennai - 600 120,17, Jawahar Building,
Rajaji Salai,
Chennai 600001, Tiruvallur, Tamil Nadu-600120

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the Ministry vide proposal number IA/TN/INFRA1/414037/2023 dated 11 Jan 2023. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--|--|
| 1. EC Identification No. | EC23A033TN152070 |
| 2. File No. | 10-28/2005-IA.III |
| 3. Project Type | Expansion |
| 4. Category | A |
| 5. Project/Activity including Schedule No. | 7(e) Ports, Harbours |
| 6. Name of Project | Capacity Optimisation of Operational Ennore Coal Terminal Private Limited (ECTPL) at Kamarajar Port, Chennai |
| 7. Name of Company/Organization | KAMARAJAR PORT LIMITED |
| 8. Location of Project | Tamil Nadu |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 17/07/2023

(e-signed)
Amardeep Raju
Scientist E
IA - (INFRA-1 sector)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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2. The above mentioned proposal was earlier considered in 321st meeting during 28th February - 1st March, 2023. The project proponent made presentation through video conferencing and provided the following information before the Committee:-

- i. Initially the M/s Ennore Port Limited obtained the EC vide letter no.10-28/2005-IA.III dated 19th May, 2006 by the Ministry for Expansion Proposals-development of Terminals for marine liquids, coal, Iron and containers in second phase and associated capital dredging at Ennore Port. Subsequently, Ennore Port obtained modification in EC by the Ministry vide letter dated 10th September, 2007, thereafter, PP obtained the Environmental and CRZ clearance vide letter no 11-21/2009-IA.II dated 23rd July, 2009 for the construction of general Cargo berth at Ennore Port Cargo Terminal project, Ennore, Ponneri Taluk, District Tiruvallur, Taminadu, in the name of M/s Ennore Port Terminal. Thereafter the name of the Ennore port has changed from M/s Ennore port limited to M/s Kamarajar Port limited, after change of the name PP has submitted that the Kamarajar Port ltd (formerly known as Ennore Port ltd.) and obtained environmental and CRZ clearance for expansion and modernization of existing handling of Multicargo container terminal at Kamarajar Port, Tamil Nadu by M/s Kamarajar Port Limited (Formerly known as Ennore Port Ltd) subsequently obtained Environmental and CRZ clearance for construction of (CB3 and CB4) at Kamarajar Port, Tamilnadu vide letter dated 12th March, 2015. Subsequently M/s Kamarajar Port Ltd obtained the EC vide letter no F.No.11-51/2012-IA-II dated 30th October, 2018 for development of the facilities envisaged in the Port Master Plan (Phase III) by M/s kamarajar Port Limited.
- ii. PP also submitted the EIA/EMP Report for Environmental and CRZ Clearance for Proposed Capacity Optimization of the Operational ECTPL Terminal at Kamarajar Port, Ennore, Chennai, Tamil Nadu. Further, PP obtained the CRZ recommendations from the TNCZMA for Capacity Optimization of the Operational ECTPL vide letter dated 01.12.2022. PP also submitted the certified EC compliance report vide letter no. EP/12.1/518/TN/552 dated 27.05.2022.
- iii. Now PP has requested for grant of Environmental and CRZ clearance under Clause 7 (ii) of the EIA Notification 2006 regarding change in the cargo mix with proposed capacity enhancement from 8 MTPA to 9.6 MTPA of the operational Coal berth at Kamarajar Port, Chennai, Tamil Nadu. The details are as following:

S.no	As per the EC dated 19 th may, 2006	Requested for expansion under 7(ii) of the EIA notification, 2006.
1	An Iron Ore berth to handle 12 Million Metric Tonnes Annually (MTPA)	No change
2	The Coal berth to handle 8 MTPA	from 8 MTPA to 9.6 MTPA
3	The container terminal to handle 3 MTPA	No change
4	Marine liquid terminal to handle about 3MTPA of liquid cargo, comprising of LPG, POL products and chemicals such as benzene, syrene and Linear Alkyl Benzene) (LAB), etc.	No change

3. Based on the deliberations in its 321st meeting during 28th February-1st March, 2023 and information provided by the proponent in support of the project, the EAC recommended the proposal for grant of EC&CRZ clearance under clause 7(ii) of EIA Notification, 2006. As per the recommendation of the EAC, the Ministry, Forest and Climate change hereby accords Environment and CRZ Clearance under clause 7 (ii) of EIA Notification, 2006, for proposed capacity enhancement from 8 MTPA to 9.6 MTPA of the operational Coal berth at Kamarajar Port, Chennai, Tamil Nadu with the additional specific conditions in addition to the general conditions mentioned in the existing EC's:

- i. The EMP prepared for the capacity enhancement shall be implemented and a compliance report shall be submitted to the IRO of the Ministry.
- ii. Storage of the Coal shall be under covered shed accommodated with a Stacker reclaimed inside provided with DFS (Atomized Automatic Sprinkling System) including peripheral drainage system, internal roads, fire fighting system etc.
- iii. All conditions mentioned in the EC 10-28/2005-IA.III dated 19th May, 2006 and its amendments vide letter dated 10th September, 2007, 23rd July, 2009, 12th March, 2015 and 30th October, 2018 shall remain same.
- iv. The project proponents will not make any changes in the project nature, structure or configuration and limit themselves to activities for which the Environmental clearance has been given earlier and the activities completed within the validity period of earlier EC dated 19th May, 2006, 10th September, 2007 and 23rd July, 2009. In case, there is a change in the scope of the project, fresh Environmental Clearance shall be obtained as per the provisions laid down in the EIA notification, 2006 as amended time to time

4. This issues with the approval of the Competent Authority.



(Amardeep Raju)
Scientist 'E'

Copy to:

- 1). The Secretary, Department of Environment, Government of Tamil Nadu, Chennai.
- 2). The Secretary, Department of Forests, Government of Tamil Nadu, Chennai
- 3). The Deputy Director General of Forests (C) Ministry of Environment, Forest and Climate Change Integrated Regional Office, Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai – 34
- 4). The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi – 32.
- 5). The Chairman, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai- 600 032, Tamil Nadu.
- 6). Guard File.
- 7). MoEF Website.



(Amardeep Raju)
Signature Not Verified

Digitally signed by Amardeep Raju
Scientist E
Date: 7/17/2023 12:58:53 PM



सत्यमेव जयते

File No.: 10-28/2005-IA.III
Government of India
Ministry of Environment, Forest
and Climate Change
IA Division



Dated 14/11/2023



To,

General Manager Marine Services
KAMARAJAR PORT LIMITED
Port Office: Near NCTPS Vallur Post Chennai - 600 120 Registered Office: 4th Floor Super Speciality Diabetic Centre (Erstwhile DLB Building) Near Clive Battery Bus Stop Rajaji Salai Chennai - 600 001, Chennai, THIRUVALLUR, TAMIL NADU, Near NCTPS, 600120
gm-ms@epl.gov.in

Subject: Amendment in Environmental Clearance (EC) dated 14/08/2023 granted to the project under the provision of the EIA Notification 2006 and as amended thereof-regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/TN/INFRA1/439694/2023 dated 14/08/2023 for grant of an amendment in prior Environmental Clearance (EC) to the project under the provision of the EIA Notification 2006-and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A3501TN5558788A
(ii) File No.	10-28/2005-IA.III
(iii) Clearance Type	Amendment in EC
(iv) Category	A
(v) Schedule No./ Project Activity	7(e) Ports, harbors, breakwaters, dredging
(vi) Sector	INFRA-1
(vii) Name of Project	Capacity Optimisation of Operational Ennore Coal Terminal Private Limited (ECTPL) at Kamarajar Port, Chennai
(viii) Location of Project (District, State)	THIRUVALLUR, TAMIL NADU
(ix) Issuing Authority	MoEF&CC
(x) EC Date	14/11/2023
(xi) Applicability of General Conditions	NO
(xiii) Status of implementation of the project	

1. The above mentioned proposal was considered by the Expert Appraisal Committee (EAC) for Infrastructure, CRZ and other miscellaneous projects in its 337th meeting on 06th September, 2023, in the Ministry of Environment, Forest and Climate Change, New Delhi.

1. Initially M/s Ennore Port Limited obtained the EC vide letter no.10-28/2005-IA.III dated 19th May, 2006 by the Ministry for Expansion Proposals-development of Terminals for marine liquids, coal, Iron and containers in second phase and associated capital dredging at Ennore Port. Subsequently, Ennore Port obtained modification in EC by the Ministry vide letter dated 10th September, 2007, thereafter, PP obtained the Environmental and CRZ clearance vide letter no 11-21/2009-IA.II dated 23rd July, 2009 for the construction of general Cargo berth at Ennore Port Cargo Terminal project, Ennore, Ponneri Taluk, District Tiruvallur, Taminadu, in the name of M/s Ennore Port Terminal. Thereafter the name of the Ennore port has changed from M/s Ennore port limited to M/s Kamarajar Port limited, after change of the name PP has submitted that the Kamarajar Port ltd (formerly known as Ennore Port ltd.) and obtained environmental and CRZ clearance for expansion and modernization of existing handling of Multicargo container terminal at Kamarajar Port, Tamil Nadu by M/s Kamarajar Port Limited (Formerly known as Ennore Port Ltd) subsequently obtained Environmental and CRZ clearance for construction of (CB3 and CB4) at Kamarajar Port, Tamilnadu vide letter dated 1st March, 2015. Subsequently M/s Kamarajar Port Ltd obtained the EC vide letter no F.No.11-51/2012-IA-II dated 30th October, 2018 for development of the facilities envisaged in the Port Master Plan (Phase III) by M/s kamarajar Port Limited.

1. Further, the Kamarajar Port limited has applied in the Ministry for capacity optimisation of the ECTPL from present 8 MTPA to 9.6 MTPA, the proposal was considered by the Expert Appraisal Committee (EAC) in its 321st meeting during 28th February-1st March, 2023. The MoEF&CC granted Environment and CRZ Clearance under clause 7 (ii) of EIA Notification, 2006 vide letter no. 10-28/2005-IA.III dated 17/07/2023.

1. The proposed project falls under 7(e), Category-A, Ports & harbours as per EIA notification 2006.Environmental & CRZ Clearance.

1. The PP vide on-line application dated 14th August, 2023 has requested for the following amendment in the Environment and CRZ Clearance vide letter no. 10-28/2005-IA.III dated 17/07/2023. Table-1

Table-1

Ref. No.	Approved Environment and CRZ Clearance vide letter no. 10-28/2005-IA.III dated 17/07/2023.	Request for amendment
Specific Condition. II	Storage of the Coal shall be under covered shed accommodated with a Stacker reclaimed inside provided with DFS (Atomized Automatic Sprinkling System) including peripheral drainage system, internal roads, fire fighting system etc.	Storage of the Coal shall be accommodated with a Stacker reclaimed inside provided with DFS (Atomized Automatic Sprinkling System) including peripheral drainage system, internal roads, fire fighting system etc.

1. Reason: Terminal is well equipped with highly mechanised material handling systems, and the environmental management plan and mitigation measures are suitably implemented to abate the fugitive emissions. Terminal mostly handles imported coal from Indonesia, Africa and Australia which are generally having high moisture content, often exceeding 20%, which results in lesser fugitive emission. Out of the 1.6 MTPA proposed capacity enhancement, about

1.2 MTPA is imported Coking Coal which has negligible fugitive emission compared to Thermal Coal. Fugitive emission model study have been conducted and indicates insignificant rise in pollution load for the proposed capacity enhancement. The span of the shed will be = 125m, Length of Shed = 1800m and Area = 125 mx 1800 m = 2,25,000 m². The cost will be around INR Rs.500 crores. Erection of the Covered Shed is a cost intensive proposition and will render the project Unviable. The terminal already having the Stackers & Reclaimer, Sprinkling and Reclaimer, Sprinkling system, drainage system and internal roads and Fire-fighting System.

1. The PP vide letter dated 06.09.2023 submitted following undertaking:

1. The vegetation cover will be augmented with suitable species as per expert advice tree of adequate height will be planted in 3 layers to control the fugitive dust.
2. The existing wind shields will be increased in height adequately to arrest of fugitive dust outside the premises due to wind.
3. The existing water sprinkling system will be augmented to improve their efficiency.
4. A study will be conducted to ascertain the adequacy of the drainage system, catch pits and setting ponds and necessary augmentation as per the recommendations of the study report will be carried out.
5. In line with the above additional mitigation measures in the EMP cost is increased to 480 lakhs from Rs 205 lakhs committed earlier.

1. Based on the deliberations in the meeting and information provided by the proponent in support of the project, the EAC recommended for amendment in Environmental and CRZ Clearance during its 337th meeting on 06th September, 2023. As per the recommendation of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Amendment in Environmental and CRZ Clearance issued by the Ministry in favor of M/s Kamarajar Port Limited, vide F. no. 10-28/2005-IA.III dated 17/07/2023 w.r.t. Specific condition no.II. as following: Table-2

Table-2

Ref. No.	Approved Environment and CRZ Clearance vide letter no. 10-28/2005-IA.III dated 17/07/2023.	Amendment granted in EC and CRZ dated 17/07/2023.
Specific Condition. II	Storage of the Coal shall be under covered shed accommodated with a Stacker reclaimed inside provided with DFS (Atomized Automatic Sprinkling System) including peripheral drainage system, internal roads, fire fighting system etc.	Storage of the Coal shall be accommodated with a Stacker reclaimed inside provided with DFS (Atomized Automatic Sprinkling System) including peripheral drainage system, internal roads, fire fighting system etc.

Copy To

1. The Secretary, Department of Environment, Government of Tamil Nadu, No.1, Jeenis Road, Panagal Building, Ground Floor, Saidapet, Chennai-600 015.
2. The Secretary, Department of Forests, Government of Tamil Nadu, Forest Headquarters Building, Near kannikapuram checkpoint, Guindy-velacherry main road, Guindy, Chennai 600 032.
3. The Deputy Director General of Forests (C) Ministry of Environment, Forest and Climate Change Integrated Regional Office, Ist and IInd Floor, Handloom Export Promotion Council, 34, Cathedral Garden Road, Nungambakkam, Chennai

4. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum Office Complex, East Arjun Nagar, Delhi – 32.
5. The Chairman, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai- 600 032, Tamil Nadu.
6. Guard File.
7. PARIVESH Web portal.

Annexure 1

Specific EC Conditions for (Ports, Harbors, Breakwaters, Dredging)

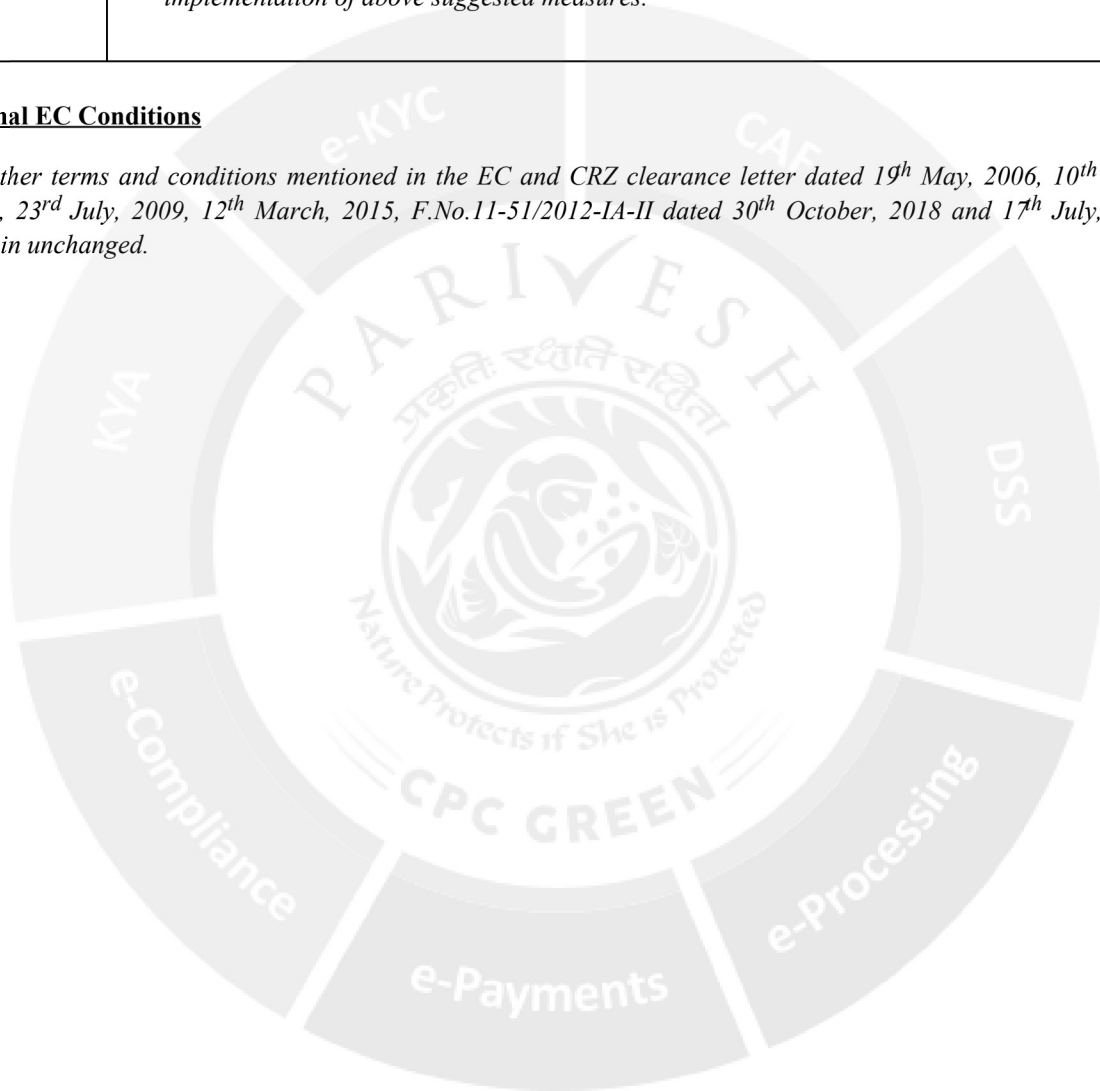
1. Specific Conditions

S. No	EC Conditions
1.1	<ol style="list-style-type: none"> 1. Storage of the Coal shall be accommodated with a Stacker reclaimed inside provided with DFS (Atomized Automatic Sprinkling System) including peripheral drainage system, internal roads, fire fighting system etc. 2. A buffer zone of 25m (green belt) on around the boundary of coal stack yard shall be developed for protection of the air pollution. 3. The project proponent shall install system carryout to Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the port area at least at four locations (one within and three outside the port area at an angle of 120°each), covering upwind and downwind directions. 4. Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed fugitive emission standards. 5. The project proponent shall submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality /fugitive emissions to Regional Office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-monthly monitoring report. 6. Provide additional wind shields around the raw material stock piles and the existing wind shields will be increased in height adequately to arrest of fugitive dust outside the premises due to wind around the stack piles. 7. The project proponent shall regularly monitor ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories. 8. Garland drains and collection pits of adequate capacity shall be provided for each stock pile to arrest the runoff in the event of heavy rains and to check the water pollution due to surface run off. 9. Effective safeguard measures, such as regular water sprinkling shall be carried out in critical areas prone to air pollution and having high level of particulate matter such as around loading and unloading point and all transfer points. Extensive water sprinkling shall be carried out on haul roads. It should be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.

S. No	EC Conditions
	<p>10. Coal handling area shall be provided with the adequate number of high efficiency dust extraction system. Loading and unloading areas including all the transfer points should also have efficient dust control arrangements. These should be properly maintained and operated.</p> <p>11. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).</p> <p>12. Due to the additional mitigation measures, the EMP cost is increased to 480 lakhs from Rs 205 lakhs as committed earlier. Committee has noted the same and asked pp to ensure timebound implementation of above suggested measures.</p>

Additional EC Conditions

1. All other terms and conditions mentioned in the EC and CRZ clearance letter dated 19th May, 2006, 10th September, 2007, 23rd July, 2009, 12th March, 2015, F.No.11-51/2012-IA-II dated 30th October, 2018 and 17th July, 2023 shall remain unchanged.



Signature Not Verified

Digitally Signed by : Dr Amardeep Raju
Member Secretary, MoEFCC (EC)

Date: 14/11/2023