



F. No. J-11011/199/2020-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan
Vayu Wing, 3rd Floor,
Jor Bagh Road, Aliganj,
New Delhi – 110003

Dated: 1st September, 2023

To,

M/s Meenakshi Udyog (India) Pvt. Ltd.
Kapakkal Village Road -Via Ullivernapalli Hosur,
Thally Road, Krishnagiri District, Kalugonda palli, Tamil Nadu- 635110
Email: meenakshiudyog18@gmail.com

Project: Proposed expansion of existing steel rolling mill [existing - 30000 Tons Per Annum (TPA) MS Billets and 60000 Tons Per Annum TMT rods] to 1,91,000 TPA of MS Billets and 1, 80,000 TPA of TMT rods by M/s Meenakshi Udyog (India) Pvt. Ltd., located at Kalugondapalli Village, Denkanikottai taluk, Krishnagiri district of Tamil Nadu– Corrigendum in Environmental Clearance– regarding.

Sir,

This refers to your proposal no. IA/TN/IND/302758/2023 received through PARIVESH Portal along with Form 10 and sought for Corrigendum in Environmental Clearance accorded by the Ministry vide No. IA-J-11011/199/2020-IA-II-(IND-I), dated 19.07.2023.

2. The proposals were considered in the 41st meeting of the EAC for Industry-I sector held on 2nd & 4th & 8th August, 2023. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

Details submitted by the project proponent

3. The PP has requested modifications in the 33rd meeting of the EAC for Industry-I sector held on 30th May, 2023 and the EC dated 19.07.2023 granted to M/s Meenakshi Udyog (India) Pvt. Ltd. It was also mentioned by Project Proponent that all desired modifications were part of their EIA/EMP report.

4. The instant proposal is for seeking Corrigendum in Environmental Clearance as detailed below.

MoM ref point no.	Details given in MoM of 33 rd EAC Meeting dated 30 th May, 2023 (Agenda No. 33.1)	Corrections suggested	Remarks/ Justification
Page No. 9 Para 33.1.8 (In the table)	The unit configuration and capacity either to 1,91,000 TPA of MS Billets or 1,80,000 TPA of TMT rods	The unit configuration and capacity 1,91,000 TPA of MS Billets and 1,80,000 TPA of TMT rods	The EAC noted that this is Typo error and recommended for the correction in the minutes.
Page No. 9	1. The instant proposal is for	1. The instant proposal is for	The EAC noted

Para 33.1.20 (1)	expansion of existing steel rolling mill [existing - 30000 Tons Per Annum (TPA) MS Billets and 60000 Tons Per Annum TMT rods] either to 1,91,000 TPA of MS Billets or 1, 80,000 TPA of TMT rods.	expansion of existing steel rolling mill [existing - 30000 Tons Per Annum (TPA) MS Billets and 60000 Tons Per Annum TMT rods] to 1,91,000 TPA of MS Billets and 1, 80,000 TPA of TMT rods.	that this is Typo error and recommended for the correction in the minutes
Page No. 9 Para 33.1.20 (2)	2. The proposed cement grinding unit is a category B project and appraised as Category A at Central level project due to Interstate Boundary falling within 5 km radial distance from the proposed project site.	2. The proposed expansion of existing steel rolling mill is a category B project and appraised as Category A at Central level project due to Interstate Boundary falling within 5 km radial distance from the proposed project site.	The EAC noted that this is Typo error and recommended for the correction in the minutes

5. There is no change in configuration & capacity of units in granted EC.

Deliberations by the Committee

6. The Committee noted the following:

i). It was informed to the Committee members that PP has requested modifications in the 33rd meeting of the EAC for Industry-I sector held on 30th May, 2023 and the EC dated 19.07.2023 granted to M/s Meenakshi Udyog (India) Pvt. Ltd. pertaining to proposal agenda no. 33.1 as referred above. It was also mentioned by Project Proponent/ consultant that all desired modifications were part of their EIA/EMP report.

ii). The EAC deliberated and noted that the request of the PP may be accepted and recommended for the incorporation of the above-mentioned corrections/modifications in the minutes of the meeting. Accordingly, aforementioned para 33.1.8 (Table column), 33.1.20 (1) and 33.1.20 (2) stands modified in the minutes of 33th EAC (Industry-1) meeting as detailed in table above. According Corrigendum to the EC dated 19.07.2023 granted to M/s Meenakshi Udyog (India) Pvt. Ltd., may be issued after approval of Competent Authority as these are typographical error and needs factual corrections.

7. As per the recommendation the Unit configuration and capacity table in page 4 of EC dated 19.07.2023 is corrected as below.

Sl. No.	Plant Equipment/ Facility	Existing facilities as per CTE dated 27.03.2006		Proposed Units		Final (Existing + Proposed)	
		Configuration	Capacity	Configuration	Capacity	Configuration	Capacity
1	Induction furnace	2 nos. of 7 TPH 1 no. of 10 TPH	1 x 7 TPH 1 x 10 TPH	1 no. of 10 TPH 2 nos. of 12 TPH	1 x 10 TPH 2 x 12 TPH	1 no. of 10 TPH 2 nos. of 12 TPH	1 x 10 TPH 2 x 12 TPH
2.	Continuous casting	2 strands	2 strands	-	-	2 strands	2 strands

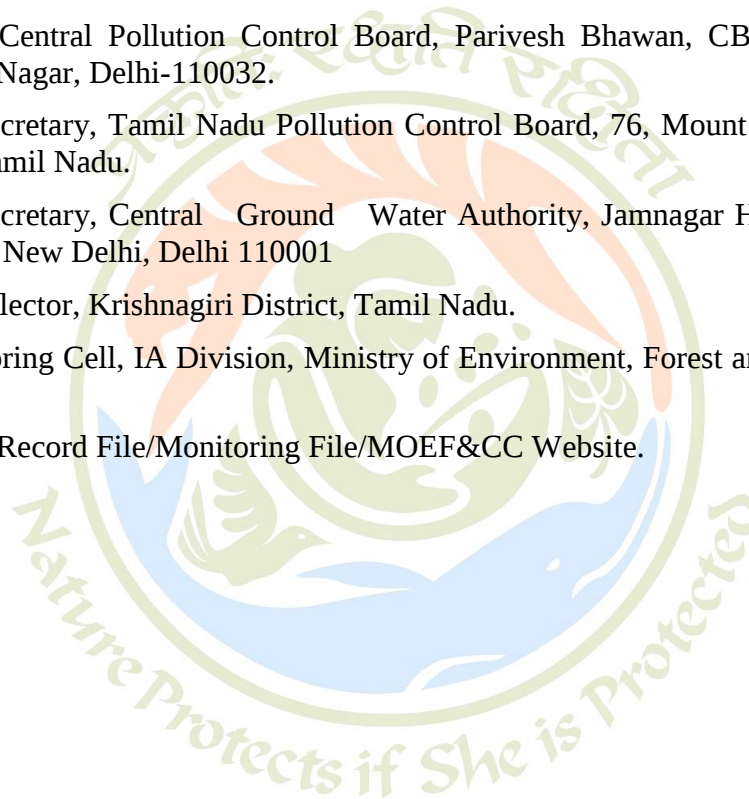
Sl. No.	Plant Equip ment/ Facility	Existing facilities as per CTE dated 27.03.2006		Proposed Units		Final (Existing + Proposed)	
		Configuration	Capacity	Configuration	Capacity	Configuration	Capacity
	machine						
3.	RHF & Scrubber	1	18 T	Nil	Nil	1	18 T
4.	Air Cooled Water tower	1	-	1	-	1	-
5.	MS Billets	1	30000 TPA	1,91,000 TPA of MS Billets and 1,80,000 TPA of TMT rods		1,91,000 TPA of MS Billets and 1,80,000 TPA of TMT rods	
6.	TMT Rods	1	60000 TPA				
7.	Plate type heat exchanger	1	-	-	-	1	-
8.	Fume Extraction system	1	-	-	-	1	-
9.	Cooling tower	1	-	-	-	1	-

8. The EAC deliberation part of page 4 of EC dated 19.07.2023 is corrected as below.
- The instant proposal is for expansion of existing steel rolling mill [existing - 30000 Tons Per Annum (TPA) MS Billets and 60000 Tons Per Annum TMT rods] to 1,91,000 TPA of MS Billets and 1, 80,000 TPA of TMT rods.
 - The proposed expansion of existing steel rolling mill is a category B project and appraised as Category A at Central level project due to Interstate Boundary falling within 5 km radial distance from the proposed project site.
9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Corrigendum in Environmental Clearance dated 19th July, 2023** for instant proposal of **M/s Meenakshi Udyog (India) Pvt. Ltd.** under the provisions of EIA Notification, 2006.
10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.
11. 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 the Environment (Protection) Act, 1986.
12. This issues with approval of the competent authority.

(Dr. R. B. Lal)
Scientist 'F'/ Director

Copy to: -

1. Principal Secretary to Government, Department of Environment, Climate Change and Forests, Government of Tamil Nadu.
2. Additional Chief Secretary to Government, Department of Environment, Climate Change and Forests, Government of Tamil Nadu.
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. Principal Chief Conservator of Forests (Head of Department), Panagal Maaligai, 1, Jeenai Road, Saidapet, Chennai 600 015.
5. Regional Officer, 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.
6. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
7. Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai-600 032, Tamil Nadu.
8. Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
9. District Collector, Krishnagiri District, Tamil Nadu.
10. The Monitoring Cell, IA Division, Ministry of Environment, Forest and Climate Change, New Delhi.
11. Guard File/Record File/Monitoring File/MOEF&CC Website.



(Dr. R. B. Lal)
Scientist 'F'/ Director
Tel: 011-20819346
Email-rb.lal@nic.in



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

To,

The Director

MEENAKSHI UDYOG (INDIA)PVT LTD

Kapakkal Village Road -Via Ullivernapalli Hosur ,Thally Road,Krishnagiri
District,GeneralManager,Krishnagiri,Tamil Nadu-635110

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/IND1/411355/2022 dated 19 May 2023. The particulars of the environmental
clearance granted to the project are as below.

1. EC Identification No.	EC23A008TN162913
2. File No.	IA-J-11011/199/2020-IA-II(IND-I)
3. Project Type	Expansion
4. Category	A
5. Project/Activity including Schedule No.	3(a) Metallurgical industries (ferrous & non ferrous)
6. Name of Project	Meenakshi Udyog (India) Pvt Ltd - Proposed expansion of existing steel rolling mill
7. Name of Company/Organization	MEENAKSHI UDYOG (INDIA)PVT LTD
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: 19/07/2023

(e-signed)
Dr. R B Lal
Scientist F
IA - (Industrial Projects - 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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F. No. IA-J-11011/199/2020-IA-II (IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division – Industry I sector)

Indira Paryavaran Bhawan
Vayu Wing, 3rd Floor,
Jor Bagh Road, Aliganj,
New Delhi – 110003

Dated: 19th July, 2023

To,

M/s Meenakshi Udyog (India) Pvt. Ltd
Kapakkal Village Road -Via Ullivernapalli Hosur,
Thally Road, Krishnagiri District,
Kalugonda palli Tamil Nadu- 635110
Email: meenakshiudyog18@gmail.com

Project: Proposed expansion of existing steel rolling mill by M/s Meenakshi Udyog (India) Pvt. Ltd., located at Kalugondapalli Village, Denkanikottai taluk, Krishnagiri district of Tamil Nadu – Grant of Environmental Clearance regarding.

Sir,

This refers to your proposal no. IA/TN/IND1/411355/2022 Dated 19.05.2023 along with copy of EIA report and Forms (Part A, B and C) and certified compliance report seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. . Further, PP has submitted the information on Portal on **21.06.2023**.

2. The proposed project activity is listed at S. No. 3(a) Metallurgical industries (ferrous & non-ferrous) under Category “B” of the schedule of the EIA Notification, 2006 and attracts general condition due to Interstate Boundary falling within 5 km radial distance from the proposed project site and therefore being appraised at Central Level.

3. The instant Proposal was considered in the 33rd EAC Meeting held on 30th May 2023 wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>

4. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are as under: -

S. No.	Particulars	Details submitted by PP
a.	Terms of Reference for undertaking EIA study	22.10.2020
b.	Period of baseline data collection	December 2020 to February 2021
c.	Date of Public Consultation	11.08.2022
d.	Action plan to address the PH issues	An amount of Rs. 45 Lakhs have been earmarked to address the issues raised during public hearing. Detail of activities proposed



S. No.	Particulars	Details submitted by PP		
		attached as Annexure 1.		
e.	Location of the project	Kalugondapalli Village, Denkanikottai taluk, Krishnagiri district of Tamil Nadu		
f.	Latitude and Longitude of the project site	Pt	Latitude	Longitude
		1	12°38'53.21"N	77°45'8.19"E
		2	12°38'51.81"N	77°45'10.32"E
		3	12°38'49.55"N	77°45'16.80"E
		4	12°38'48.84"N	77°45'17.07"E
		5	12°38'45.66"N	77°45'16.64"E
		6	12°38'45.74"N	77°45'9.85"E
		7	12°38'47.85"N	77°45'6.15"E
g.	Total land	4.89 ha of MUIPL		
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	The entire land is already under the possession of the proponents		
i.	Existence of habitation & involvement of R&R, if any	No R&R involved. Nearest Habitation – Malugundapalli- 1.19 km, WNW		
j.	Elevation of the project site	950 - 956 M above mean sea level		
k.	Involvement of Forest land if any.	No Forest Land is involved.		
l.	Water body exists within the project site as well as study area	Waterbody	Distance	Direction
		Uliveeranahally Kere	0.84 km	NW
		Mathukur Kere	1.31 km	S
		Kabanka Pond	1.33 km	S
		Bynahanakalli Kere	2.11 km	SSW
		Vasa Kere	2.81km	E
		Nagandahally Lake	3.56 km	NE
		Nagandahally Lake	3.58 km	NE
		Kempatti Lake	4.85 km	NW
		Muthagatti Lake	6.67 km	NNW
		Dodda Ubbanuar Lake	9.10 km	WSW
		Kothagondapalli Lake	9.31 km	NNW
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	NIL within 10 km radius from project site		
n.	Project cost	Existing capital cost of project was 14.5 Crores. The capital cost of the proposed project is Rs 25 Crores		
o.	EMP cost	The capital cost for environmental protection measures is proposed as Rs 1 Crores. The annual recurring cost towards the		



S. No.	Particulars	Details submitted by PP
		environmental protection measures is proposed as Rs 0.2 Crores
p.	Employment opportunity	The employment generation from the proposed project / expansion is 125
q.	Water and Power requirement	The water requirement for the proposed project is estimated as 125 m ³ /day. The power requirement for the proposed project is estimated as 12.95 MW.

Unit configuration and capacity:

Sl. No.	Plant Equipment/ Facility	Existing facilities as per CTE dated 27.03.2006		Proposed Units		Final (Existing + Proposed)	
		Configuration	Capacity	Configuration	Capacity	Configuration	Capacity
1	Induction furnace	2 nos. of 7 TPH 1 no. of 10 TPH	1 x 7 TPH 1 x 10 TPH	1 no. of 10 TPH 2 nos. of 12 TPH	1 x 10 TPH 2 x 12 TPH	1 no. of 10 TPH 2 nos. of 12 TPH	1 x 10 TPH 2 x 12 TPH
2.	Continuous casting machine	2 strands	2 strands	-	-	2 strands	2 strands
3.	RHF & Scrubber	1	18 T	Nil	Nil	1	18 T
4.	Air Cooled Water tower	1	-	1	-	1	-
5.	MS Billets	1	30000 TPA	either to 1,91,000 TPA of MS Billets or 1,80,000 TPA of TMT rods		either to 1,91,000 TPA of MS Billets or 1,80,000 TPA of TMT rods	
6.	TMT Rods	1	60000 TPA				
7.	Plate type heat exchanger	1	-	-	-	1	-
8.	Fume Extraction system	1	-	-	-	1	-
9.	Cooling tower	1	-	-	-	1	-

6. The EAC, in its meeting held during 30th May, 2023, inter-alia, deliberated the following:

- i. The instant proposal is for expansion of existing steel rolling mill [existing - 30000 Tons Per Annum (TPA) MS Billets and 60000 Tons Per Annum TMT rods] either to 1,91,000 TPA of MS Billets or 1, 80,000 TPA of TMT rods.
- ii. The proposed cement grinding unit is a category B project and appraised as Category A at Central level project due to Interstate Boundary falling within 5 km radial distance from the proposed project site.
- iii. The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
- iv. The EAC noted that the Project Proponent has given an undertaking that the data and



information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

- v. The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
- vi. The existing project had obtained Consent to Establish from TNPCB vide Consent order No.166600 dated 27.03.2006 under Air act & Consent order No. 20567 dated 27.03.2006 under Water act for production of 30,000 TPA of MS billets & TMT rods of 60,000 TPA. Latest Consent to Operate for the existing unit was accorded by Tamil Nadu State Pollution Control Board vide PROCEEDINGS NO.F.0715HSR/OL/DEE/TNPCB/HSR/A/2022 dated 13.04.2022. The validity of CTO is up to 31.03.2024.
- vii. The EAC deliberated on the certified compliance report of earlier CTO and its action plan and found it satisfactory.
- viii. The total project area is 4.89 ha which is under the possession of the project proponent.
- ix. The nearest habitation is Malugundapalli at a distance of 1.19 km in WNW direction of the project site. The EAC is of the opinion that PP shall strictly implement the environmental safeguard measures proposed to minimise the impact on the habitation of the locals.
- x. Uliveeranahally Kere is at a distance of 0.84 km in NW of the project site. Also, there are other water bodies such as Lakes, ponds and are within the study area of 10 km of the project site. The EAC is of the opinion that water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be implemented.
- xi. Existing Water requirement is 20 m³/day which is obtained from Panchayat. The water requirement for the proposed project is estimated as 125 m³/day, out of which 25 m³/day of fresh water requirement will be obtained from the Panchayat and the remaining requirement of 100 m³/day will be met from the recycling.
- xii. The Committee has found that the baseline data and incremental GLC due to the proposed project and found it satisfactory.
- xiii. The PP has submitted that existing green belt has been developed in 1 ha area which is about 20% of the total project area of 4.87 ha with total sapling of 570 Trees. Proposed greenbelt will be developed in 1.65 ha which is about 33% of the total project area. Total no. of 4100 saplings will be planted and nurtured in 1.65 hectares in a year. The EAC deliberated on the revised greenbelt action plan along with the budget earmarked and is of the opinion that as committed, the greenbelt shall be completed in the coming monsoons of 2023.
- xiv. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.
- xv. The Committee also deliberated on the public hearing issues along with revised action plan submitted by the proponent to address the issues raised during the public hearing and found it satisfactory.
- xvi. The EAC also deliberated on the submitted written representation of project proponent and found it satisfactory.



- xvii. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.
- xviii. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.
- xix. EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.
7. The EAC (Industry-1 Sector), in its 33rd meeting held on May 30, 2023, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general conditions as detailed in the point below.
8. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environment Clearance for instant proposal of M/s Meenakshi Udyog (India) Pvt. Ltd.** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions:
- A. Specific Condition:**
- The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
 - The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
 - The nearest habitation is Malugundapalli at a distance of 1.19 km in WNW direction of the project site. Project Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. PP needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include this location in its environmental monitoring programme.
 - Uliveeranahally Kere is at a distance of 0.84 km in NW of the project site. Also, there are other water bodies such as lakes, ponds and are within the study area of 10 km of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage



and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

- v. The water requirement of 125 m³/day shall be obtained from Panchayat (Fresh water – 25 m³/day) and the remaining from the recycling (100 m³/day) after obtaining necessary permission from the Competent Authority, afresh. The existing approval is 9 years old. No ground water extraction is permitted.
- vi. Three tier Green Belt shall be developed in at least 33% of the project area in a time period of 1 year with native species all along the periphery of the project site of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall also develop greenbelt in the form of shelter belt comprising of total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards Malugundapalli Villages. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
- vii. All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 45 Lakhs shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
- viii. The PP shall improve the housekeeping at the project site and implement the activities such as dust control mechanism, vacuum cleaning facilities, adequate internal drainage to avoid water logging, internal road maintenance with paved/concrete, waste yard upkeep, and adequate lighting etc. The PP shall conduct regular internal audit on these aspect for better housekeeping in the Unit. The implementation Report needs to be submitted to the IRO, MoEF&CC.
- ix. The PP shall adopt undertake village adoption programme, prepare and implement the action plan to develop them into model villages.

B. General Conditions

I. Statutory compliance:

- i. The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
- ii. This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

II. Air quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 02 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and



CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

- ii. The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM₁₀ and PM_{2.5} in reference to PM emission, and SO₂ and NO_x in reference to SO₂ and NO_x emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
- iii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- iv. Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring of emissions.
- v. 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 stack emission and fugitive emission standards.
- vi. The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
- vii. Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
- viii. Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
- ix. The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
- x. Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
- xi. Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
- xii. Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
- xiii. The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
- xiv. Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
- xv. Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
- xvi. The particulate matter emissions from the process stacks shall be less than 30 mg/Nm³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
- xvii. Following additional arrangements to control fugitive dust shall be provided:



- a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas.
 - b. Proper covered vehicle shall be used while transport of materials.
 - c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.
- xviii. Online stack monitoring system for IF and RHF shall be installed and monitoring report shall be submitted to the concerned Regional Office of the MoEF&CC along with the six monthly compliance report.
- xix. Low NO_x Burners will be installed at Reheating Furnace for control of Gaseous emissions generated while using PNG.

III. Water quality monitoring and preservation

- i. The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- ii. The project proponent shall monitor regularly 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.
- iii. Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
- iv. Water meters shall be provided at the inlet to all unit processes in the plants.
- v. The project proponent shall make efforts to minimise water consumption in the plant complex by segregation of used water, practicing cascade use and by recycling treated water.
- vi. The proposed project shall be designed as "Zero Liquid Discharge" Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
- vii. All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off material and shall be implemented as per the action plan submitted in EIA/EMP report.
- viii. Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

IV. Noise monitoring and prevention

- i. Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
- ii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.



V. Energy Conservation measures

- i. Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
- ii. Provide LED lights in their offices and residential areas.
- iii. The project proponent shall provide waste heat recovery system (pre-heating of combustion air) at the flue gases of reheating furnaces.
- iv. Practice hot charging of slabs and billets/blooms as far as possible.
- v. Ensure installation of regenerative type burners on all reheating furnaces.

VI. Waste management

- i. Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
- ii. Kitchen waste shall be composted or converted to biogas for further use.
- iii. 100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
- iv. The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at <https://cpcb.nic.in/technical-guidelines-3/>. All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
- v. A proper action plan must be implemented to dispose of the electronic waste generated in the industry.
- vi. Solid waste utilization
 - a. PP shall install a slag crusher to convert steel slag into aggregate for use in construction industry, fine sand for use as flux in steel plant, sand in brick making and as lime in cement making.
 - b. PP shall recycle/reuse solid waste generated in the plant as far as possible.
 - c. Used refractories shall be recycled as far as possible.

VII. Green Belt

- i. The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
- ii. Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.



- iii. Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

VIII. Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
- iii. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP. Safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- iv. Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

IX. Environment Management

- i. The project proponent shall comply with the provisions contained in this Ministry's OM vide F. No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
- ii. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- iii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iv. Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

X. Miscellaneous

- i. The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
- ii. The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
- iii. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.



- iv. The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the company.
- v. Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
- vi. The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
- vii. The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
- viii. The project proponent 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, commencing the land development work and start of production operation by the project.
- ix. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- x. The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
- xi. The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
- xii. 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).
- xiii. The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.

9. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

10. 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 the Environment (Protection) Act, 1986.

11. Any appeal against this environmental 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.



12. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

13. This issues with approval of the competent authority.



(Dr. R.B. Lal)
Scientist 'F'/ Director
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Encl. as above at Annexure –I

Copy to: -

1. Principal Secretary to Government, Department of Environment, Climate Change and Forests, Government of Tamil Nadu.
2. Additional Chief Secretary to Government, Department of Environment, Climate Change and Forests, Government of Tamil Nadu.
3. The Director General of Forest, Ministry of Environment, Forest and Climate Change, New Delhi.
4. Principal Chief Conservator of Forests (Head of Department), Panagal Maaligai, 1, Jeenis Road, Saidapet, Chennai 600 015.
5. Regional Officer, 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.
6. Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
7. Member Secretary, Tamil Nadu Pollution Control Board, 76, Mount Salai, Guindy, Chennai- 600 032, Tamil Nadu.
8. Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi, Delhi 110001
9. District Collector, Krishnagiri District, Tamil Nadu.
10. The Monitoring Cell, IA Division, Ministry of Environment, Forest and Climate Change, New Delhi.
11. Guard File/Record File/Monitoring File/MOEF&CC Website.

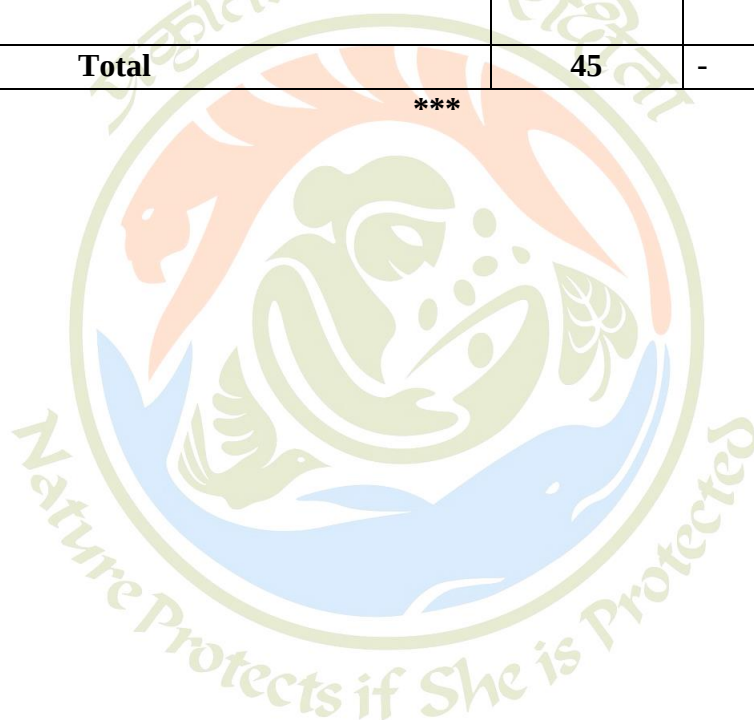


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Table: Action plan as per MoEF&CC O.M. dated 30/09/2020

SL. No.	Description	Capital Cost (Rs. In Lakhs)	Timeline
1.	Lay a road network to Ulliveerannapally to Kappakal Road	18	Within 8 months from EC
2.	Providing drinking water facility by installing RO System & Toilet facilities in nearby schools and villages	15	Within 8 months from EC
3.	Contributing to Rain water harvesting & plantation programmes in the nearby villages	6	Within 8 months from EC
4.	Vocational Skill Development Programme (for different target groups such as Women, Youth etc.)	6	Within 8 months from EC
Total		45	-



Signature Not Verified

Digitally signed by Dr. R B Lal
Scientist F

Date: 7/19/2023 5:14:39 PM