



सत्यमेव जयते

File No: IA-J-11011/215/2013-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date **02/07/2024**



To,

M/s MY HOME INDUSTRIES PRIVATE LIMITED
9th Floor, Block-3, My Home Hub, Madhapur, Huderabad, RANGA REDDY, TELANGANA, 500081
Email: bsuresh@myhomeindustries.in

Subject: **Expansion of cement plant with Clinker production from 3.5 MTPA to 7.0 MTPA & Cement production from 3.9 MTPA to 6.4 MTPA (OPC/PPC/PSC/CC) by enhancement of capacity of in Unit-IV (Under Implementation) Clinker production from 1.75 to 3.5 MTPA & Cement production capacity from 1.75 to 2.5 MTPA by M/s My Home Industries Private Limited, located at Mellacheruvu Village & Mandal, Suryapet District, Telangana –Grant of Environmental Clearance under the provisions EIA Notification, 2006 -regarding.**

Sir/Madam,

This refers to your proposal no **IA/TG/IND1/455170/2023** dated **27.12.2023** along with copy of EIA report, Forms (Part A, B and C) seeking Environment Clearance (EC) under the provisions of the EIA Notification, 2006 for the project mentioned above. Further, the PP has uploaded the information on portal on 07.02.2024.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A1101TG5129080N
(ii) File No.	IA-J-11011/215/2013-IA-II(IND-I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(b) Cement plants
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Expansion of cement plant of My Home Industries Private Limited – Clinker production from 3.5 MTPA to 7.0 MTPA & Cement production from 3.9 MTPA to 6.4 MTPA (OPC/PPC/PSC/CC) by enhancement of capacity of in Unit-IV (Under Implementation) Clinker production from 1.75 to 3.5 MTPA & Cement production capacity from 1.75 to 2.5 MTPA

(viii) Name of Company/Organization	MY HOME INDUSTRIES PRIVATE LIMITED
(ix) Location of Project (District, State)	SURYAPET, TELANGANA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. As per the provisions of the Environment Impact Assessment (EIA) Notification, 2006, the above-mentioned project/activity is covered schedule S. No. 3(b) Cement Plants under Category "A" of the schedule of the EIA Notification, 2006 and being appraised at Central Level.

4. The proposal is considered in the 52nd meeting of the EAC for Industry-I sector held during 23rd -25th January, 2024, wherein the Committee, after detailed deliberations, recommended the proposal. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.

5. 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 given at **Annexure 1**, Unit configuration and capacity are given at **Annexure II**.

6. The EAC, in its meeting held during 23rd to 25th January, 2024, inter-alia, deliberated the following:

i. The instant proposal is for expansion of cement plant with Clinker production from 3.5 MTPA to 7.0 MTPA & Cement production from 3.9 MTPA to 6.4 MTPA (OPC/PPC/PSC/CC) by enhancement of capacity of Unit-IV (Under Implementation) Clinker production from 1.75 to 3.5 MTPA & Cement production capacity from 1.75 to 2.5 MTPA.

ii. My Home Industries Private Limited (MHIPL) is operating Integrated cement plant with three production lines i.e., Unit- I, Unit – II, and Unit – III from 1996 with Clinker production capacity of 3.50 MTPA and Cement of 3.90 MTPA. The existing project has been accorded environmental clearance from MoEFCC during 1996, 2001, 2006, 2008, 2014, 2015, 2018 and the latest Environmental Clearance vide J11011/215/2013-IA II (I) dated 21.01.2020. Consent to operate (CTO) from SPCB from time to time for existing operating cement plant vide order No. 210822979374 dated 30.07.2021 and Valid up to 30.06.2026. MHIPL has also obtained Environmental Clearance from MoEFCC for setting up of new Unit – IV with clinker capacity- 1.75 MTPA & Cement -1.75 MTPA, proposed within existing cement plant premises vide EC F. No. J11011/215/2013-IA II (I) 14.09.2015 which is valid for 10 years i.e., upto 14.09.2025 as per MoEFCC notification S.O. 1807 (E) dt. 12.04.2022. Construction activity for Unit – IV for existing sanctioned capacity has been initiated. CTE obtained for Unit-IV & 14 MW WHRPP vide Order dated 30.05.2019 & 18.01.2022 valid upto 29.05.2024.

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 EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.

vii. Existing Cement plant along with township is presently is located in an area of 160 Ha which is a private land and total land was acquired by MHIPL. New Unit-IV is under implementation within existing cement plant premises, in an area of 32 Ha. No additional land will be required for expansion.

viii. Mellacheruvu is at distance of 0.12 km in the ENE of the project site along with other sensitive areas within the study area of the project site. The EAC is of the opinion that PP shall prepare and strictly implement the environmental safeguard measures to minimise the impact on the habitation of the locals.

ix. Ura Vagu is Adjacent and another canal at 0.68 km in NNE of the project site along with other water bodies near within the study area. The EAC is of the opinion that the water bodies shall not be disturbed. Mitigation measures w.r.t. safeguarding the water bodies shall be prepared and implemented.

x. PP has reported that the present and proposed limestone requirement of Cement Plant is/will be met from five Captive Limestone Mines i.e. My Home Limestone Mine (Mellacheruvu), Yepalmadhavaram Limestone Mine, Choutapalli Limestone Mine; Choutapalli Limestone Mine-II and My Home Limestone Mine-II. Present permitted capacity of limestone production from all the above mine is 8.15 MTPA. Limestone requirement of the cement plant after expansion will be 10.5 MTPA. Choutapalli Limestone Mine-II have been planned for enhancement of Limestone production from 2.72 MTPA to 5.00 MTPA and be enough for cement plant after expansion. The Expansion Proposal (EC application Part C) aimed at enhancing Limestone production from 2.72 MTPA to 5.00 MTPA was submitted to MoEFCC under Proposal No.: IA/TG/MIN/448578/2023, dated 28.11.2023. The proposal was considered in the 25th EAC meeting (Non-Coal Mining) on 09.01.2024. However, as per minutes of meeting, PP has withdrawn the said proposal in order to submit a fresh modified proposal. PP has submitted a fresh EC Application for the Limestone Mine on Parivesh Portal vide No. IA/TG/MIN/459729/2024. The copy of the acknowledgement along with Proposal number is submitted. The EAC is of the opinion that PP shall ensure raw material security for the expansion project.

xi. The total water requirement of cement plant after expansion is 2790 m³/day. The net fresh water requirement of cement plant will be 2390 m³/day after expansion. The water requirement will be met from surface water. No Ground Water will be used during Construction as well as Operation Phase. The EAC deliberated on the water requirement is of the opinion that PP shall obtain necessary permission from the Competent Authority in this regard.

xii. The Committee has deliberated on the baseline data and incremental GLC due to the proposed project and found it satisfactory.

xiii. The PP has submitted that MHIPL has developed 39% of the plant area under greenbelt which is covering about 62 Ha which includes 7 Ha of greenbelt developed under colony with 68,919 saplings with density of 1112 sampling per Ha. MHIPL proposes to increase the greenbelt area by 3 Ha. In addition to increase in greenbelt area, the density of the existing plantation will be increased to achieve tree density of 1500 trees/Ha by gap filling with additional 24,056 saplings. The additional greenbelt is proposed all along the eastern and southern boundary. The EAC deliberated on the greenbelt layout plan along with action plan and the budget earmarked and is of the opinion that greenbelt shall be completed within a period of 1 year.

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 deliberated on the certified compliance report of IRO along with the ATR submitted on the observations of IRO and is of the opinion that PP shall strictly comply with the observations of IRO and submit the status to IRO.

xvii. It has been reported by PP that, there is a case vide W.P. 23937 of 2023 (High Court, Telangana) in the Hon'ble High Court of Telangana State was filed by Mr. M Nagarjuna, requesting to cancel the Public Hearing, and the court after hearing to both the parties, issued an interim order and instructed to continue the PH as scheduled.

xviii. The EAC also deliberated on the written submission of the project proponent and found it satisfactory.

xix. 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.

xx. 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.

xxi. The 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, in its 52nd meeting of Expert Appraisal Committee (Industry-1 Sector) held during 23rd to 25th January, 2024, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the instant proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions as per the Ministry's Office Memorandum No. 22-34/2018-III dated 9/8/2018 based on project specific requirements.

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 My Home Industries Private Limited under the provisions of EIA Notification, 2006** subject to specific conditions and general conditions at **Annexure III along with Additional specific condition.**

"The maximum expanded capacity as per this EC is subject to availability and supply of increased limestone requirement from the existing integrated captive limestone mines. The Project Proponent shall limit its production of clinker and cement to the capacity corresponding to availability and supply of limestone from the captive mines running with valid EC, till the EC for expansion of its existing captive limestone mines is obtained to meet the further requirement of limestone".

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
Tel: 011-20819346
Email-rb.lal@nic.in

Copy To

1. The Secretary, Department of Environment, Government of Telangana, Hyderabad.
2. The Secretary, Department of Forests, Government of Telangana, Hyderabad.
6. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-Cum-Office Complex, East Arjun Nagar, New Delhi-110032
7. The Member Secretary, Telangana State Pollution Control Board, NH65, MRF Colony, RC Reddy Colony, Ramachandra Puram, Hyderabad – 502032
8. Member Secretary, Central Ground Water Authority, Jamnagar House, 18/11, Man Singh Road Area, New Delhi 110001
9. The Director, IA CMD, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
10. The District Collector, Suryapet District, Government of Telangana.
11. Guard File/Monitoring File/Website/Record File/ Parivesh Portal.

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

Annexure 1

Additional EC Conditions

(1). The maximum expanded capacity as per this EC is subject to availability and supply of increased limestone requirement from the existing integrated captive limestone mines. The Project Proponent shall limit its production of clinker and cement to the capacity corresponding to availability and supply of limestone from the captive mines running with valid EC, till the EC for expansion of its existing captive limestone mines is obtained to meet the further requirement of limestone.

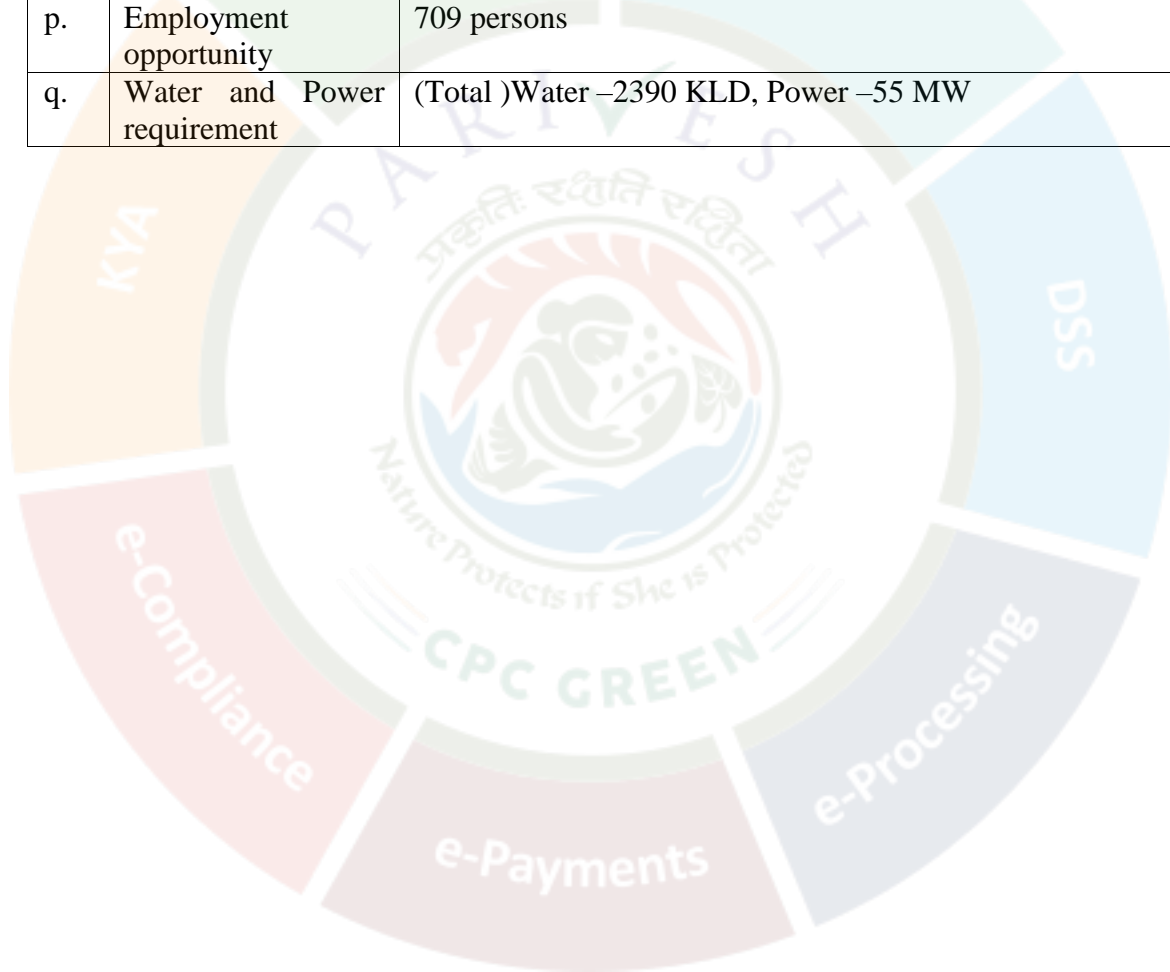
(2). This EC is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

(3) This 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.

Details of the proposal are as per the EIA/EMP report

S. No.	Particulars	Details														
a.	Terms of Reference for undertaking EIA study	05.10.2022														
b.	Period of baseline data collection	December 2022, January 2023 and February 2023														
c.	Date of Public Consultation	31.08.2023														
d.	Action plan to address the PH issues	An amount of Rs. 1650 Lakhs has been earmarked for implementation of the commitments made during Public Hearing and need based activities. Detail of activities proposed attached as Annexure IV .														
e.	Location of the project	Mellacheruvu Village & Mandal, Suryapet District, Telangana														
f.	Latitude and Longitude of the project site	S. No	LATITUDE N"	LONGITUDE E"												
		A	16°47'56.55"N	79°54'18.32"E												
		B	16°48'50.39"N	79°55'27.63"E												
		C	16°47'54.19"N	79°54'27.99"E												
		D	16°48'58.95"N	79°55'1.36"E												
g.	Total land	Existing Cement plant along with township is presently located in an area of 160 Ha which is a private land and total land was acquired by MHIPL														
h.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	Existing integrated Cement Plant is located in 160 ha area which is completely owned by MHIPL. New Unit – IV is under implementation within existing cement plant premises, in an area of 32 Ha. No additional land will be required for expansion.														
i.	Existence of habitation & involvement of R&R, if any	<p><u>No R&R is involved</u></p> <p>Study Area:</p> <table border="1"> <thead> <tr> <th>Habitation</th> <th>Distance (Km)</th> <th>Direction</th> </tr> </thead> <tbody> <tr> <td>Mellacheruvu</td> <td>0.12</td> <td>ENE</td> </tr> <tr> <td>Venkataramapuram</td> <td>1.60</td> <td>W</td> </tr> <tr> <td>Chautpalli</td> <td>2.60</td> <td>W</td> </tr> </tbody> </table>			Habitation	Distance (Km)	Direction	Mellacheruvu	0.12	ENE	Venkataramapuram	1.60	W	Chautpalli	2.60	W
Habitation	Distance (Km)	Direction														
Mellacheruvu	0.12	ENE														
Venkataramapuram	1.60	W														
Chautpalli	2.60	W														
j.	Elevation of the project site	106 m above mean sea level (MSL)														
k.	Involvement of Forest land if any.	No Forest Land Involved														
l.	Water body exists within the project site as well as study area	<p>Project site: NO</p> <p>Study area:</p> <ol style="list-style-type: none"> Krishna River – 10.50 km – SSW Ura Vagu- Adjacent 														

S. No.	Particulars	Details		
		3. Gundla Vagu 8.18 km – SE Nearest Canal – 0.68 km - NNE		
m.	Existence of ESZ / ESA / national park / wildlife Sanctuary / biosphere Reserve / tiger reserve / elephant reserve etc. if any within the study area	Nil List of Reserved and Protected Forest: 1. Yepalmadhavaram RF - 1.07 km - SE 2. Chintalapalem RF – 7.06 km - SE 3. Pittalasarikota RF - 8.00 km - SSW 4. Sultanpur RF - 8.07 km - SW Gurramboddu RF - 7.71 km - WSW		
n.	Project cost	Proposed – INR Rs 1450 Crores		
o.	EMP cost	Type	Capital (Rs. in Crores)	Recurring (Rs. in Crores)
		Proposed	120.06	21.45
p.	Employment opportunity	709 persons		
q.	Water and Power requirement	(Total)Water –2390 KLD, Power –55 MW		



Unit configuration and capacity

CEMENT PLANT CAPACITIES (MTPA)

Unit Details	Sanctioned capacities as per Existing ECs (MTPA)		Implemented capacities as on date (MTPA)		Proposed Expansion capacities (MTPA)		Total (MTPA)	
	Clinker	Cement	Clinker	Cement	Clinker	Cement	Clinker	Cement
Unit – I	0.80	0.792	0.80	0.792	--	--	0.80	0.792
Unit – II	1.30	1.108	1.30	1.108	--	--	1.30	1.108
Unit – III	1.40	2.00	1.40	2.00	--	--	1.40	2.00
Unit – IV	1.75	1.75	Not Implemented		*3.50	*2.50	*3.50	*2.50
Total	5.25	5.65	3.50	3.90	3.50	3.50	7.00	6.40

PROPOSED ENHANCEMENT – UNIT - IV

Particulars	Granted capacity as per EC dt 14.09.2015 (MTPA)	Proposed enhancement	Total enhanced capacity
Clinker	1.75	1.75 MTPA	3.5 MTPA
Cement	1.75	0.75 MTPA	2.5 MTPA

Specific and General EC conditions

A. Specific Condition:

- i. 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. 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.
- iii. 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.
- iv. Mellacheruvu is at distance of 0.12 km in the ENE of the project site along with other sensitive areas within the study area of the project site. 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 some of these locations in its environmental monitoring programme.
- v. Ura Vagu is Adjacent and another canal at 0.68 km in NNE of the project site along with other water bodies near within the study area. 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.
- vi. The project proponent shall ensure raw material security for the expansion project by obtaining necessary permissions for expansion of its interlinked limestone mining operations.
- vii. Total water requirement of 2390 m³/day shall be sourced from Krishna River. PP shall obtain necessary permission from the Competent Authority in this regard. No ground water abstraction is permitted.
- viii. Three tier Green Belt shall be developed in at least 33% of the project area in a period of one year all along 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 sensitive areas such as schools and villages nearby project site. As committed, the additional greenbelt shall be developed all along the eastern and southern boundary. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC. In addition to this PP shall revise the Green Belt Plan to maintain sizable GB width along inside boundary instead of proposed plant designs shown in the layout plan.

- ix. 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. 16.5 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
- x. The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village.
- xi. The health of the soil in the vicinity (5 km radius) must be monitored and reported to the IRO, MoEFCC, once in a year
- xii. The project proponent shall strictly comply with the observations of IRO and submit the status to IRO, MoEFCC.

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. 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 06 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, adsorbers, 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/Nm^3 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. Provide Low NO_x burners as primary measures and SCR /NSCR technologies as secondary measure to control NO_x emissions.
- xix. The emission norms applicable for the cement plant shall be adhered to.
- xx. Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
- xxi. DeSO_x system shall be provided dry type. NO_x level shall be maintained below 600 mg/Nm^3 by using best available technology.
- xxii. Petcoke dosing shall be controlled automatically to control SO₂ emission from chimney within the prescribed limits.
- xxiii. PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.

- xxiv. Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.
- xxv. During operational phase at Captive Power Plant, Action Plan to monitor coke/coal dust exposures in different process plants using personal and area air samplers and to compare with permissible limits as per Indian Factories Act, 1948 shall be implemented.
- xxvi. The coal dust should be monitored at coal unloading, crushing, furnace areas and should be within 2 mg/m^3 , respirable dust fraction containing less than 5% quartz as per Indian Factories Act, 1948.

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.
- ix. Air Cooled condensers shall be used in the captive power plant.

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.
- iii. PP shall identify extreme hot areas through heat stress survey as well as noise monitoring within process plants to ensure that workers not exposed above 90 dBA levels as per Factories Act, 1948.

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 make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
- iv. Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
- v. Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
- vi. Waste heat recovery system shall be provided for kiln and cooler.

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.

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.

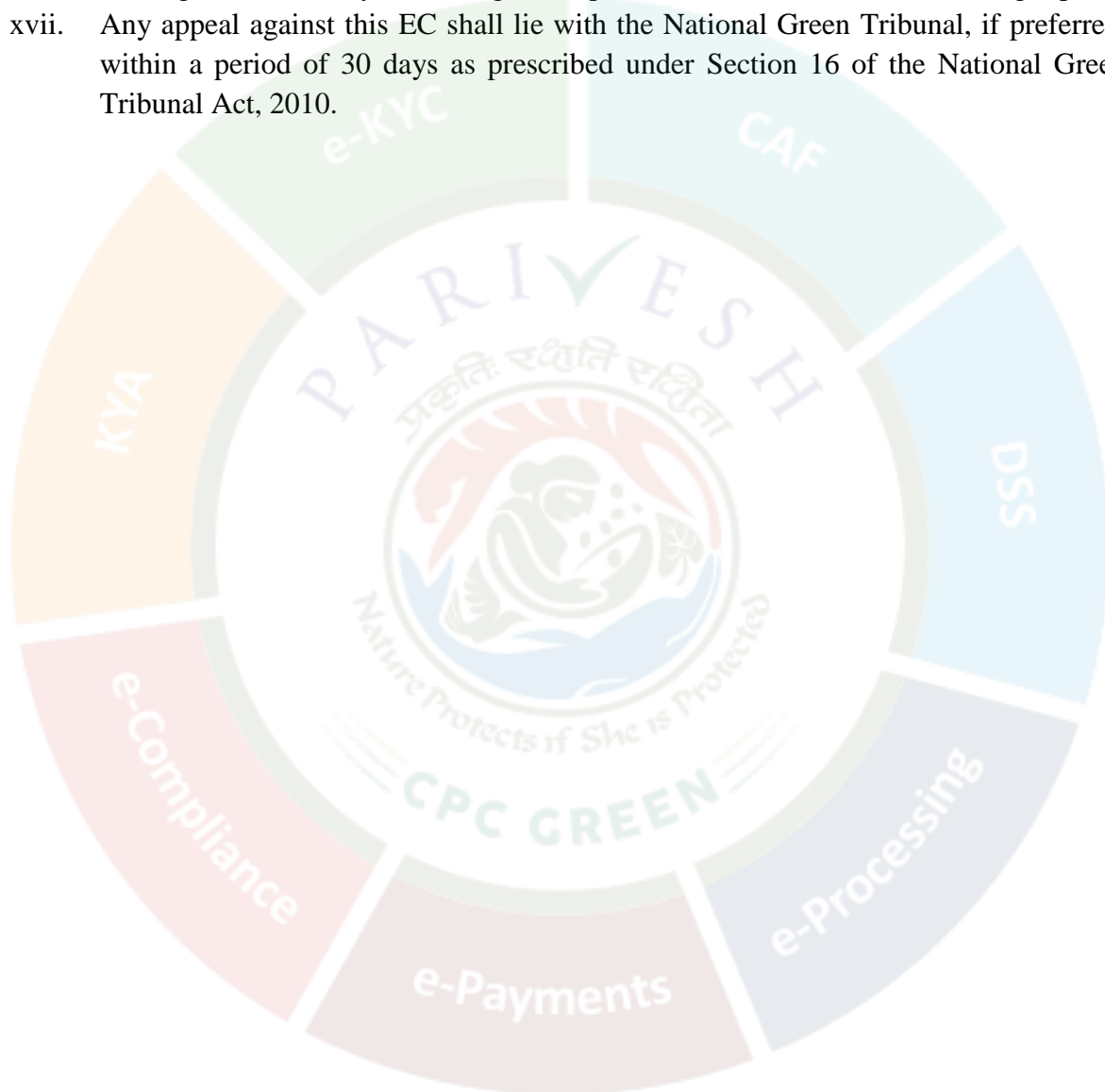
IX. Environment Management

- 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. Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
- xiv. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
- xv. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
- xvi. 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.
- xvii. Any appeal against this EC 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.



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

S.No	Physical activity and action Plan		Year of implementation (Budget in INR Lakhs)			Total (Budget in INR Lakhs)
	Name of the activity	Physical targets	1 st	2 nd	3 rd	
1	Infrastructure in Mellacheruvu and surrounding villages	CC roads construction; drainage system; Compound wall for cremation ground; street lighting, Municipal solid waste management; primary health centre, Renovation / construction of Gram Panchayat Buildings , Community buildings, Skill development & Training centre, etc in Mellacheruvu village & surrounding villages	200.0	300.0	500.0	1000.0
		Construction of skill development training centre	100.0	50.0	50.0	200.0
		Providing benches, tables, digital class room, for schools	5.0	5.0	5.0	15.0
		Renovation / construction of class rooms in schools	10.0	5.0	10.0	25.0
		Construction of toilets blocks in schools	5.0	5.0	5.0	15.0
		School bus from Mellacheruvu	20.0	5.0	5.0	30.0
2	Environment & Plantation in Mellacheruvu and surrounding villages	Water resource management & RWH	20.0	15.0	15.0	50.0
		Block plantation & roadside plantation with tree guards	15.0	10.0	10.0	35.0
		Natural resource management	5.0	15.0	5.0	25.0
3	Health & sanitation	Promotion of sustainable energy (Solar etc)	5.0	5.0	5.0	15.0
		Municipal waste management	10.0	10.0	10.0	30.0
		Renovation of primary health centre	5.0	10.0	5.0	20.0
		Providing medial equipment and need based material kits	5.0	10.0	5.0	20.0
		Health check-up camps for villagers & medicine supply	3.0	3.0	3.0	9.0
4	Education; Skill development; sports ; training	Veterinary camps & medicine supply	3.0	3.0	3.0	9.0
		Drinking Water - Installation of borewell set with submersible pump and syntax tank ; hand pumps; Providing Drinking water - RO plants	10.0	5.0	10.0	25.0
		Providing scholarship	5.0	5.0	5.0	15.0
		School bags & books	3.0	3.0	3.0	9.0
		Awareness programmes on plastic waste and municipal waste management	2.0	2.0	2.0	6.0
5	Community welfare and culture	Skill development Scheme programmes	15.0	15.0	15.0	45.0
		Sponsoring and promoting sports	5.0	5.0	5.0	15.0

S.No	Physical activity and action Plan		Year of implementation (Budget in INR Lakhs)			Total (Budget in INR Lakhs)
	Name of the activity	Physical targets	1 st	2 nd	3 rd	
			Drinking water in summer	3.0	3.0	3.0
Total			464.0	499.0	687.0	1650.0

