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File No: IA-J-11011/89/2024-IA-II(Ind-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 29/07/2025



To,
M/s. MEGHATOP CEMENT PRIVATE LIMITED
Village Wahiajer Narpuh, Subdivision Khliehriat,
Wahiajer Narpuh, EAST JAINTIA HILLS, MEGHALAYA, 793210
E-mail: skrai@meghatop.com

Subject: Integrated Cement Plant of capacity 3.3 MTPA clinker, 2.8 MTPA cement and 16 MW Waste Heat Recovery System by M/s Meghatop Cement Private Limited, located at Village Wahiajer Narpuh, Subdivision Khliehriat, District East Jaintia Hills, Meghalaya-Consideration of EC.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/ML/IND1/502566/2024 dated 10/12/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24A1101ML5316443N
(ii) File No.	IA-J-11011/89/2024-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	Integrated Cement Plant of capacity 3.3 MTPA clinker, 2.8 MTPA cement and 16 MW Waste Heat Recovery System
(viii) Name of Company/Organization	MEGHATOP CEMENT PRIVATE LIMITED
(ix) Location of Project (District, State)	EAST JAINTIA HILLS, MEGHALAYA
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per EIA Notification, 2006	No

3. The proposed project activity is listed at S. No. 3(b) Cement Plants under Category "A" of the schedule of the EIA Notification, 2006 and appraised at Central Level.

4. The instant proposal is considered in 74th EAC Meeting held during 10th – 11th February, 2025, 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 EAC proceedings of the said meeting can be seen using the following web link: 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 at **Annexure-II**.

6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.

7. The EAC, in its 74th EAC Meeting held during 10th – 11th February, 2025, inter-alia, deliberated the following:

i. The instant proposal is for an Integrated Cement Plant of capacity 3.3 MTPA clinker, 2.8 MTPA cement and 16 MW Waste Heat Recovery System.

ii. 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.

iii. 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.

iv. 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.

v. 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.

vi. PP submitted that total land area is 110.31 ha [Private Land]. All Deed of sale of the complete land area for the setup of the proposed plant has been executed in the name of M/s Meghatop Cement Pvt. Ltd. and is registered vide "Sale deed no 74 of 2024 at Khliehriat" dated 27.11.2024 for the proposed land area and all permissions required under the Meghalaya Transfer of Land (Regulation) Act, 1972 has been obtained. Also, NOC from the office of the Jaintia Hills Autonomous District Council, Jowai has been obtained for setting up of a cement plant vide letter no. JHADC/ FOR/39/22/1204-205 dated 28.06.2024 and is valid till 31 March 2025.

vii. Wahiajer is at a distance of 2.40 km in West of the project site along with other sensitive areas within the study area of the project site. The EAC opined that proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent 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.

viii. PP reported that NOC has been granted from the Office of Executive Engineer (Water Resources) that there is no perennial water source within the designated area of the Plant vide letter no. EJH (WR)/Geni-38/Pt-1/2024-25/1000 dated 12/11/2024. Further NOC has been granted from the Office of Executive Engineer (Water Resources) East Jaintia Hills Division, Khlichriat vide letter no. EJH(WR)/GENL-58/2024-25/1173 dated 14/01/2025 confirming that the stormwater channel passing through the project area west side of the proposed plant will not be affected by the proposed activities of the Integrated Cement Plant and is subject to compliance with the conditions. The EAC opined to strictly comply with the conditions stipulated in the NOC.

ix. There are several water bodies adjacent and within the study area of the project site. The EAC opined that 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.

x. The EAC noted that ESZ of Narpuh Wildlife Sanctuary is a distance of 5.6 km in SSE direction from the project site. PP submitted that the distance authentication letter along with the map generated by the GIS Cell showing the aerial distance of the proposed site from the boundary of ESZ of Narpuh Wildlife Sanctuary & Narpuh Wildlife Sanctuary, has been issued by Office of DFO, Jantia Hills wildlife Division vide letter no. MWL/JH/299/Mining Plan/2023-24/2033 dated 17/01/2025 and the Office of Principal Chief Conservator of Forests, Wildlife & Chief Wildlife Warden, Meghalaya vide letter no. FWC/Clearance/43/3028 dated 16/01/2025 stating that the distance of the proposed site from the boundary of the core and buffer zone of Narpuh Wildlife Sanctuary at 7.08 km and 9.58 km respectively & ESZ of Narpuh Wildlife Sanctuary at 5.65 km. Both the Distance authentication letters along with the map generated by the GIS Cell. The EAC deliberated on the same and found it satisfactory.

xi. PP reported that earlier a Conservation plan of a total of 11 Nos of schedule I species namely Jungle Cat, Hoolock Gibbon, Indian Crested Porcupine, Pangolin, Slow Loris, Indian Grey Mongoose, Great Pied Hornbill, White-Rumped Vulture, Indian Peafowl, Indian Cobra & Indian Python was submitted to the office of PCCF and HOFF on 13.11.2024. Meanwhile, the PP got to know that the government of Meghalaya is developing a common conservation plan for the Narpuh ESZ/WLS, considering the presence of several cement plants in the area to Prevent, Minimise and Mitigate Impacts of Development Projects on Wildlife and Their Habitat in East Jaintia Hills District, Meghalaya vide Minutes of a meeting Memo No FWC/G/pt./1180-99 dated Shillong, 9th August 2021. In this context, Meghatop Cement has also committed to spending money to support this initiative and a request letter regarding this matter has been resubmitted to the Chief Wildlife Warden (CWLW) on 8/01/2025 to express willingness to join or participate in the regional conservation plan. The EAC opined that PP shall strictly implement the recommendations that will be made in the approved plan in consultation with the State Forest Department.

xii. The water requirement of the proposed project is estimated as 946 KLD, out of which 186 KLD of freshwater requirement will be obtained from the Dongtangle Nala (Sartang river) and the remaining requirement of 687 KLD will be met from the rain water and 73 KLD will be met from treated water from STP. The EAC is of the opinion that permission shall be obtained from Competent Authority.

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

xiv. The Member Secretary had apprised the Committee that the Ministry had received a complaint against the project pertaining to Public Hearing. The Ministry had sought clarification from the State Administration and SPCB. The intimation has been received from the State Administration and SPCB and accordingly the proposal was apprised by the EAC. 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.

xv. The PP has submitted that a total of 37 ha of area (33.54% of total project area) will be developed as greenbelt. Total no. of 1,15,625 no. saplings will be planted. Approx. 200 no. of trees exists at site, out of which 135 trees will be cut down/transplanted. The EAC opined that the tree felling/translocation shall be undertaken in consultation with the State Forest Department with all the applicable permissions. The EAC also deliberated on the revised greenbelt plan and is of the opinion that greenbelt shall be developed as committed.

xvi. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xvii. The EAC deliberated on the ADS reply of the project proponent and found it satisfactory.

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.

8. The EAC (Industry-1 Sector), in its 74th EAC Meeting held during 10th – 11th February, 2025, 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 EC conditions as detailed in the point below.

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 Environment Clearance for instant proposal of M/s Meghatop Cement Private Industries Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions (**Annexure-I**).

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. 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.

13. 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.

14. This issues with approval of the competent authority.

(Dinesh Runiwal)
Scientist 'F'/Director
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Copy To

1. The Principal CCF & HoFF, Forests & Environment Department, Government of Meghalaya, Sylvan House, Lower Lachumiere Shillong-793001, Meghalaya. E-mail: pccfmegh@gmail.com

2. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Regional Office, Law-U-Sib, Lumbatngan, Near MTC Workshop, Shillong. E-mail: moefro.shillong@gov.in

3. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
4. The Chief Wildlife Warden, PCCF & Chief Wildlife Warden, Govt. of Meghalaya, Shilong Lachumiera, P.O. Shilong-793001. E-mail: wildlifemegh@yahoo.com
5. The Chairman, Gujarat Pollution Control Board, Opp. Government Press, Ground Floor, CTO Building, BSNL Shillong- 793001 - **with a request to initiate action in line with the provisions of OM dated 14-01-2025, and GSR 84E and 85E dated 29-01-2025 and 30-01-2025, respectively.**
6. The Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
7. The District Collector, Collector Office, East Jaintia Hills District, Meghalaya.
8. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
9. Guard File/Monitoring File/Website/Record File/Parivesh Portal.

Annexure 1

Specific EC Conditions for (Cement Plants)

1. Specific

S. No	EC Conditions
1.1	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.
1.2	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.
1.3	The project proponent shall utilize modern technologies for capturing carbon emission and shall also develop adequate carbon sink/ carbon sequestration resources with an aim to meet the carbon neutrality mission in a time bound manner. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.4	Wahiajer is at a distance of 2.40 km in West 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. The project proponent 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.
1.5	The project proponent shall strictly comply with the conditions stipulated in the No Objection Certificate (NOC) issued by the Office of the Executive Engineer (Water Resources), East Jaintia Hills Division, Khlichriat, vide letter no. EJH(WR)/GENL-58/2024-25/1173 dated 14/01/2025. It

S. No	EC Conditions
	shall be ensured that the stormwater channel passing through the project area on the west side of the proposed plant remains unaffected by the project activities. Any deviation from the stipulated conditions shall be duly reported to the concerned regulatory authority and necessary mitigation measures shall be undertaken as directed.
1.6	There are several water bodies adjacent and within the study area 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.
1.7	To conserve the identified Schedule-I species, the Project proponent shall strictly implement the measures contained in the Wildlife Conservation plan and/ or comply with the Regional conservation plan being developed for the Narpuh ESZ/ WLS, as the case may be, as per the directives of the relevant authorities of the State Forest Department. The project proponent shall commit and allocate financial resources. Regular progress reports shall be submitted to the RO, MoEF&CC and the State Forest Department.
1.8	The water requirement of the proposed project is estimated as 946 KLD, out of which 186 KLD of freshwater requirement will be obtained from the Dongtangle Nala (Sartang river) and the remaining requirement of 687 KLD will be met from the rain water and 73 KLD will be met from treated water from STP. PP shall obtain necessary permission from the Competent Authority in this regard as applicable.
1.9	Three tier Green Belt shall be developed in atleast 33% of the project area, as committed, 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 nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.10	Approx. 200 no. of trees are reported at site, out of which 135 trees are proposed to be cut down/transplanted. Any tree felling/translocation shall be undertaken in consultation with the State Forest Department with all the applicable permissions.
1.11	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% or 40% greenbelt area, as the case may be, as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in)
1.12	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. 36.80 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
1.13	The project proponent shall undertake village adoption programme and prepare and implement the action plan to develop them into a model village in consultation with State Administration.
1.14	The recommendations of the approved Site-Specific Wildlife Management Plan shall be

S. No	EC Conditions
	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.
1.15	Necessary coordination shall be made with concerned SPCB (who is responsible for Compliance of OM dated 14-01-2025) regarding streamlining the implementation of GSR 702 and GSR 703 dated 12-11-2024 through which projects requiring prior EC were exempted from requirement of CTE

Standard EC Conditions for (Cement plants)

1. Statutory Compliance

S. No	EC Conditions
1.1	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.
1.2	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.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	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.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the 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.
2.3	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.
2.4	Sampling facility at process stacks shall be provided as per CPCB guidelines for manual monitoring

S. No	EC Conditions
	of emissions.
2.5	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.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	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.
2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	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.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	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.
2.16	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.
2.17	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.

3. Air Quality Monitoring And Preservation In Case Of Integrated Cement Plants

S. No	EC Conditions
3.1	Provide Low NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx emissions.
3.2	The emission norms applicable for the cement plant shall be adhered to.
3.3	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
3.4	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm3 by using best available technology.
3.5	Petcoke dosing shall be controlled automatically to control SO2 emission from chimney within the prescribed limits.
3.6	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
3.7	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	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.
4.2	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.
4.3	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.
4.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.5	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.6	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.

S. No	EC Conditions
4.7	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.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	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.
5.2	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.

6. Energy Conservation Measures

S. No	EC Conditions
6.1	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;
6.2	Provide LED lights in their offices and residential areas.

7. Energy Conservation Measures In Case Of Integrated Cement Plants

S. No	EC Conditions
7.1	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.
7.2	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
7.3	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
7.4	Waste heat recovery system shall be provided for kiln and cooler.

8. Waste Management

S. No	EC Conditions
8.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.

S. No	EC Conditions
8.2	Kitchen waste shall be composted or converted to biogas for further use.
8.3	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.
8.4	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.
8.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

9. Green Belt

S. No	EC Conditions
9.1	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.
9.2	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.
9.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

10. Public Hearing And Human Health Issues

S. No	EC Conditions
10.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.2	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.
10.3	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

S. No	EC Conditions
	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.
10.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

11. Environment Management

S. No	EC Conditions
11.1	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.
11.2	The company shall have a well laid down environmental policy duly approved 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.
11.3	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 report to the head of the organization.
11.4	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.

12. Miscellaneous

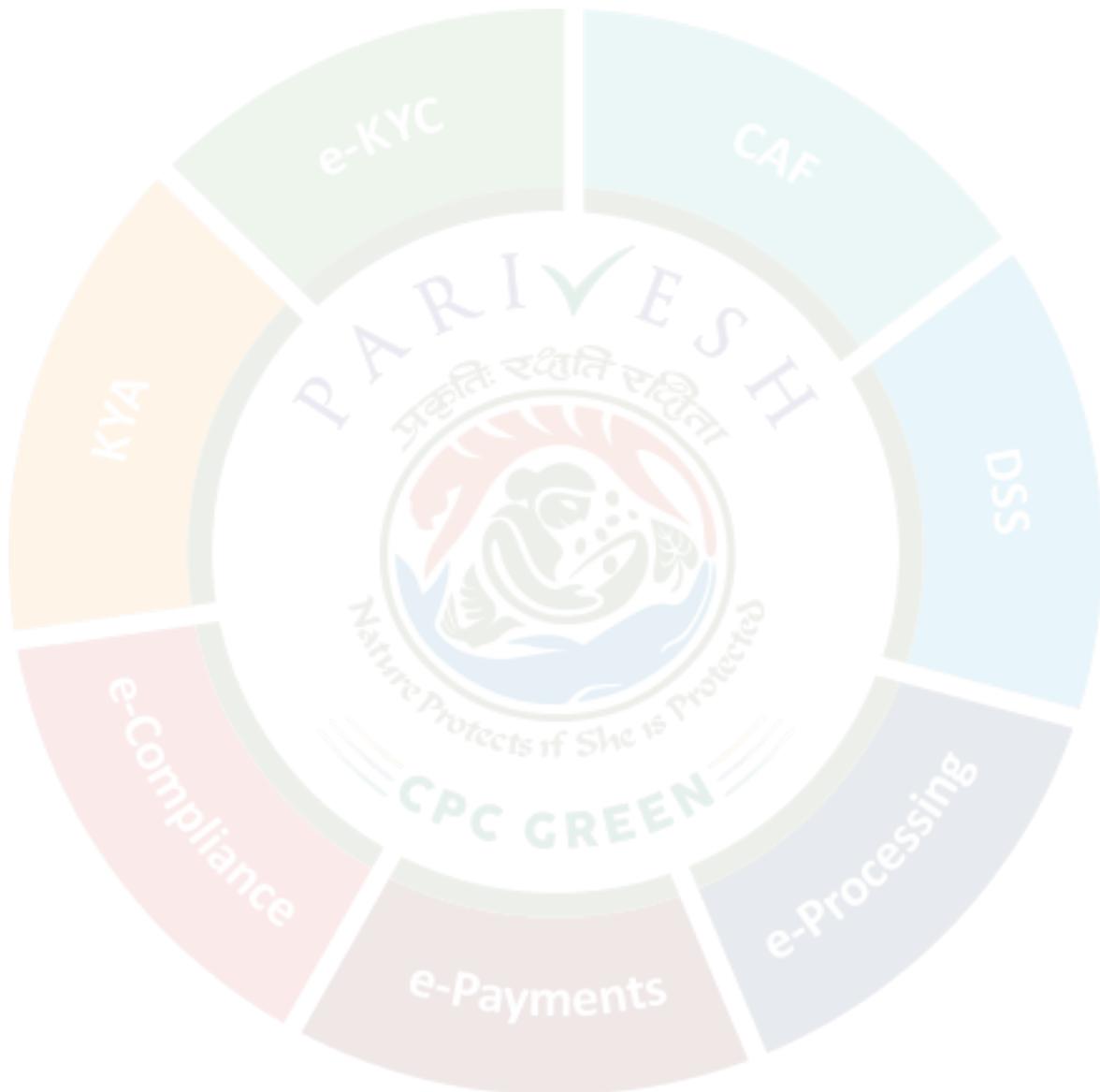
S. No	EC Conditions
12.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
12.2	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.
12.3	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.

S. No	EC Conditions
12.4	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.
12.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
12.6	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.
12.7	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.
12.8	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.
12.9	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.
12.10	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.
12.11	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.
12.12	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).
12.13	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.
12.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
12.16	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

S. No	EC Conditions
	furnishing the requisite data / information/monitoring reports.
12.17	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.

Additional EC Conditions

Not Applicable

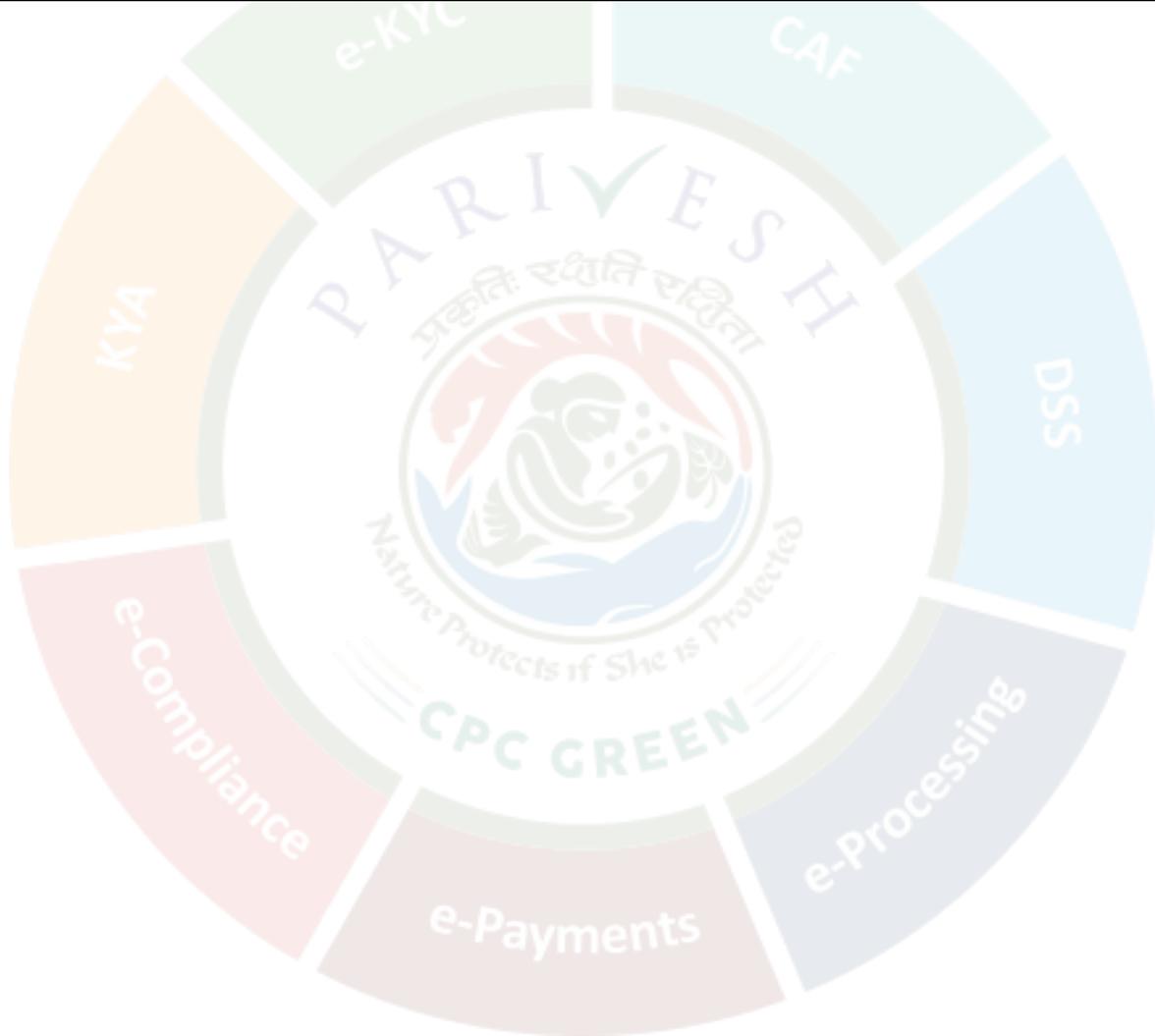


Details of the proposal are as per the EIA/EMP report

Sl. No.	Particulars	Details																																																																																							
1.	Total Land	110.31 ha [Private Land]																																																																																							
2.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014	All Deed of sale of the complete land area for the setup of the proposed plant has been executed in the name of M/s Meghatop Cement Pvt. Ltd. and is registered vide "Sale deed no 74 of 2024 at Khliehriat" dated 27.11.2024 for the proposed land area and all permissions required under the Meghalaya Transfer of Land (Regulation) Act, 1972 has been obtained. Also, NOC from the office of the Jaintia Hills Autonomous District Council, Jowai has been obtained for setting up of a cement plant vide letter no. JHADC/ FOR/39/22/1204-205 dated 28.06.2024 and is valid till 31 March 2025.																																																																																							
3.	Existence of habitation & involvement of R&R, if any	Project Site- The land on which the plant is proposed is a broomstick garden earlier owned by private owners where there is no habitation. Thus R & R is not applicable for proposed projects. Study Area-																																																																																							
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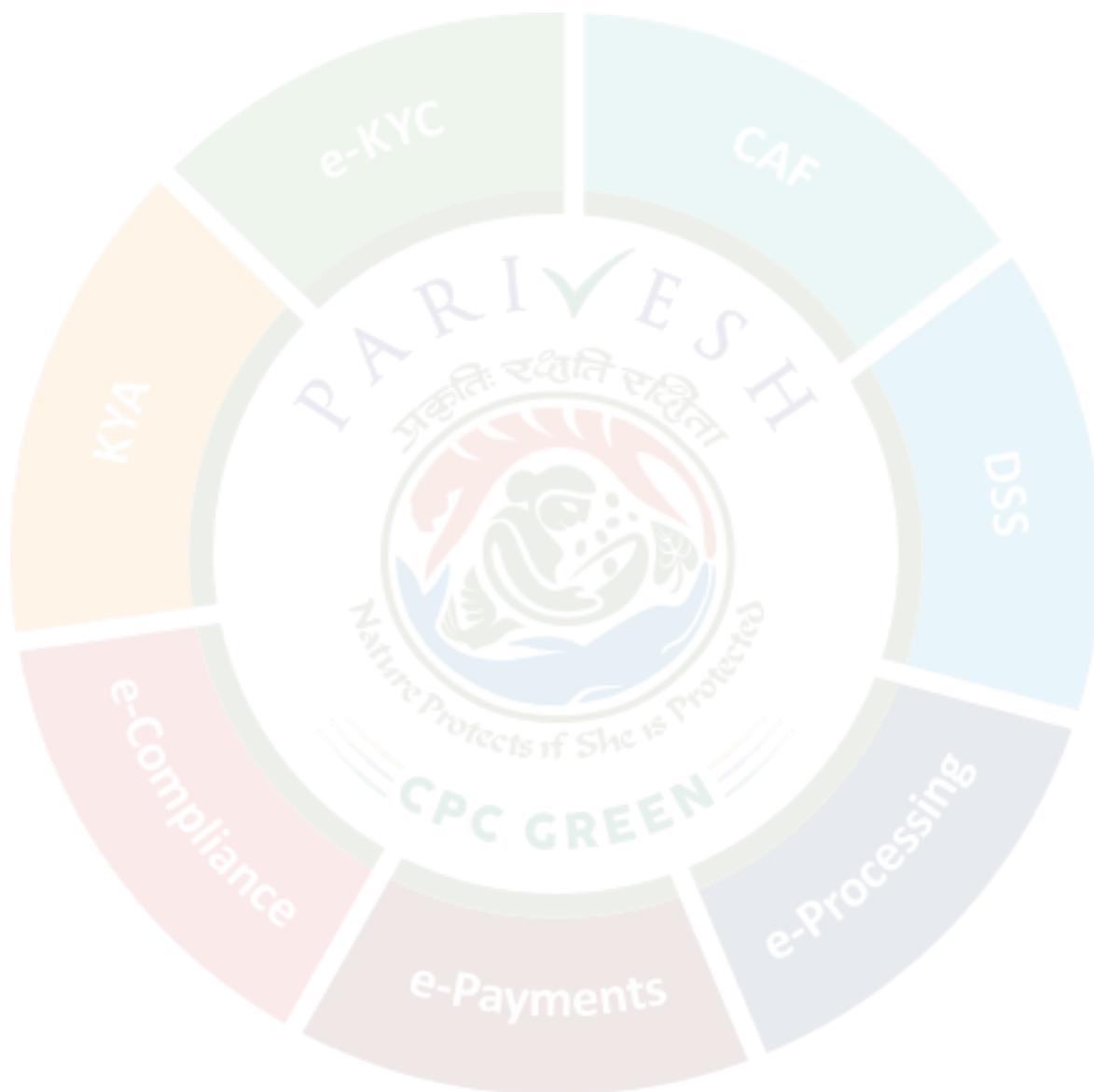
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5.	Elevation of the project site	Maximum: 605 m ASL Minimum: 690 m ASL																																																																													
6	Involvement of Forest Land, if any	The proposed cement plant will be established on a land area measuring 110.31 ha. No forest land is involved in the proposed area. NOC for the same has been obtained from PCCF vide letter no. MGF/CF/NFLC/MMMCR/JH/18502 on 20/03/2024																																																																													
7.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	<p>Core zone: Only a stormwater channel passes through the site, however, there is No perineal water body that passes through the site. A letter has been issued stating that there is no perennial water source within the designated area of the Plant by the Office of Executive Engineer (Water Resources)</p> <p>Study area:</p> <table border="1"> <thead> <tr> <th>Water Body</th> <th>Distance</th> <th>Direction</th> </tr> </thead> <tbody> <tr><td>Kukha Nala</td><td>0.01 Km</td><td>WNW</td></tr> <tr><td>Dongtangle Nala (Sartang River)</td><td>0.05 Km</td><td>NE</td></tr> <tr><td>Um Lunar (Wah-Lukha river)</td><td>0.41 Km</td><td>E</td></tr> <tr><td>Thangpyrshaid Nala</td><td>2.97 Km</td><td>W</td></tr> <tr><td>Sakha Nala</td><td>3.08 Km</td><td>WNW</td></tr> <tr><td>Um Sangat</td><td>3.22 Km</td><td>ENE</td></tr> <tr><td>Wah Thariang Nala</td><td>3.26 Km</td><td>NNW</td></tr> <tr><td>Kairang Nala</td><td>5.02 Km</td><td>N</td></tr> <tr><td>Latynger Nala</td><td>5.69 Km</td><td>NE</td></tr> <tr><td>Wah Sakhain Nala</td><td>5.81 Km</td><td>NE</td></tr> <tr><td>Um Lutha Drain</td><td>6.17 Km</td><td>WSW</td></tr> <tr><td>Um Badoh (Drain)</td><td>6.27 Km</td><td>SW</td></tr> <tr><td>Moblai Nala</td><td>6.32 Km</td><td>NNW</td></tr> <tr><td>Seshympa River</td><td>6.79 Km</td><td>NW</td></tr> <tr><td>Lukha River</td><td>7.03 Km</td><td>SSE</td></tr> <tr><td>Lubha River</td><td>7.14 Km</td><td>SSE</td></tr> <tr><td>Reshriang Nala</td><td>7.18 Km</td><td>NW</td></tr> <tr><td>Wahlong Nala</td><td>7.41 Km</td><td>NNW</td></tr> <tr><td>Urle Nala</td><td>7.45 Km</td><td>NNW</td></tr> <tr><td>Um Ronsong</td><td>8.08 Km</td><td>SE</td></tr> <tr><td>Sebi Nala</td><td>8.80 Km</td><td>NE</td></tr> <tr><td>Rangsniang Nala</td><td>8.89 km</td><td>NE</td></tr> <tr><td>Daphirawi Nala</td><td>9.57 km</td><td>NW</td></tr> <tr><td>Pongkolo Nala</td><td>10.20 km</td><td>SE</td></tr> </tbody> </table>			Water Body	Distance	Direction	Kukha Nala	0.01 Km	WNW	Dongtangle Nala (Sartang River)	0.05 Km	NE	Um Lunar (Wah-Lukha river)	0.41 Km	E	Thangpyrshaid Nala	2.97 Km	W	Sakha Nala	3.08 Km	WNW	Um Sangat	3.22 Km	ENE	Wah Thariang Nala	3.26 Km	NNW	Kairang Nala	5.02 Km	N	Latynger Nala	5.69 Km	NE	Wah Sakhain Nala	5.81 Km	NE	Um Lutha Drain	6.17 Km	WSW	Um Badoh (Drain)	6.27 Km	SW	Moblai Nala	6.32 Km	NNW	Seshympa River	6.79 Km	NW	Lukha River	7.03 Km	SSE	Lubha River	7.14 Km	SSE	Reshriang Nala	7.18 Km	NW	Wahlong Nala	7.41 Km	NNW	Urle Nala	7.45 Km	NNW	Um Ronsong	8.08 Km	SE	Sebi Nala	8.80 Km	NE	Rangsniang Nala	8.89 km	NE	Daphirawi Nala	9.57 km	NW	Pongkolo Nala	10.20 km	SE
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Sl. No.	Particulars	Details
8.	Existence of ESZ/ ESA/ national park/ wildlife sanctuary/ biosphere reserve/ tiger reserve/ elephant reserve etc. if any within the study area	<p>Study area</p> <p>Name of the ESZ: ESZ of Narpuh Wildlife Sanctuary</p> <p>Status of Notification: Final notification published by MoEF&CC vide S.O. 3124(E) dated 20.11.2015</p> <p>Distance of project from ESZ: 5.6 km SSE</p> <p>Authenticated map of ESZ projecting distance of ESZ from project site: Distance authenticated certificate has been obtained from the DFO, Jaintia Hills Wildlife Division, Jowai vide letter no. MWL/JH/299/Mining Plan/2023-24/2044 dated 14.02.2024.</p> <p>Status of NBWL approval: Not Applicable</p> <p>List of Reserved and Protected Forests: Narpuh Reserve Forest (block-I)- 13.84 km SW.</p>



Unit configuration and capacity

Sl. No.	Facility /Product	Capacity
1	Clinker	3.3 MTPA
2	Cement	2.8 MTPA
3	WHRS	16 MW



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

S. No.	Type of activities proposed	Cost In Rs. Crores				Remark
		1st year	2nd year	3rd Year	Total	
1	Water supply and its maintenance in the village Wahiajer Narpuh.	1.00	1.00	0.95	2.95	● Construction of collection tank, pump, 7 km pipeline and Plumber salary- Rs. 2.95 Cr.
2	Development infrastructure like roads, footpaths, drainage systems, community centre, playgrounds, Uplifting of cultural and sports club, and streetlights, floodlight/high-mast lightning in the village Wahiajer Narpuh as decided by Dorbar and maintenance	2.00	2.00	1.50	5.50	● Roads, footpaths-Rs. 1.5 Cr. ● Drainage systems- Rs. 1 Cr. ● Community centre, playgrounds, Uplifting of cultural and sports club- Rs. 2.5 Cr. ● Streetlights, floodlight/ high-mast lightning- Rs. 0.5 Cr.
3	Provision of Solar street lights in nearby village Wahiajer Narpuh	7.40	5.00	5.00	17.40	● 3500 lights (Rs. 25000-Rs. 30000 cost per light including pole) and its Maintenance - Rs. 17.4 Cr.
4	Provision of waste collection vehicles to collect wastes from households of village Wahiajer Narpuh on daily basis and ensure proper treatment and disposal of the same.	0.75	0.70	0.70	2.15	● 3 vehicles each cost 60 lakh and the salary of driver and helper- Rs. 2.15 Cr.
5	Provide Ambulance by Meghatop to the village authorities where as driver will appointed by headman and their salary will pay by company and run by village authorities, provision of Dispensary, primary health centre	1.00	0.80	0.80	2.60	● Ambulance 2 no. - Rs. 0.6 Cr. ● Dispensary and primary health centre- Rs. 2 Cr.
6	Assistance in establishment of secondary level educational institution for children of the employees (plant) & provision of school bus for the children	1.20	1.00	1.00	3.20	● 3 bus and salary for Driver - Rs 2.2 Cr. ● Assistance in the establishment of secondary level educational institution- Rs 1 Cr.
7	Skill development and training for locals	1.50	0.75	0.75	3.00	● Skill development Training centre including salary of employees- Rs. 3 Cr.
Total		14.85	11.25	10.70	36.80	

Budget for EMP

Sr. No.	Particulars	Capital Cost (Rs. in Crores)	Recurring Cost/ Annum (Rs. in Crores)
1	Air pollution control devices like Bag Filters, RABH, Stacks for process machinery and utilities, provision and maintenance of Conveyor Belt, concreting of internal roads and approach road and its maintenance, water sprinkling, fugitive emission control by provision of Baghouse dust collector, mist fogging system and roads sweeping machines etc.	24	2.5
2	Noise and vibration pollution control measures include providing DG sets and plant and machinery with acoustic enclosures, acoustic treatment, silencers, noise attenuators, anti-vibration pads, etc., and noise barricaders.	1	0.1
3	Provision of Water Treatment Plant, Wastewater treatment units like STP and recycling of treated water through provision of plumbing systems.	2	0.2
4	Waste Management (Solid waste, Non-hazardous waste, hazardous waste and other waste)	1	0.1
5	Landscaping/plantation	17	1.2
6	Rainwater collection system & treatment system, drainage system, soil & river conservation Plan	40	4
7	Social Welfare Activities	36.8	-
8	Environment monitoring and installation of OCEMS i.e. Online Continuous Environmental Monitoring System for all the process and utilities stacks, at the inlet and outlet of STP and outlet of stormwater channel	3	0.3
9	Occupational Health Centre, PPEs, Ambulance with paramedical staff and equipment, awareness for environmental, health and safety	2.7	0.3
10	Public Health & Safety	-	0.3
11	Fire safety system	10	1
12	Covered shed/silos/gantry provision for the storage of products, raw materials, waste and fuel	12	1.2
13	Wildlife Conservation Plan	0.5	0
	Total	150	11.2