



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Assam)

To,

The Authorised Signatory
CALCOM CEMENT INDIA LTD
ANIL PIAZA II,4TH FLOOR, ABC, G.S.ROAD, GUWAHATI-781005 -
781005

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

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/AS/IND/253482/2022 dated 03 Mar 2022. The particulars of the environmental
clearance granted to the project are as below.

- | | |
|---|--|
| 1. EC Identification No. | EC22B009AS121520 |
| 2. File No. | SEIAA. 2046/2022 |
| 3. Project Type | Expansion7 |
| 4. Category | B1 |
| 5. Project/Activity including
Schedule No. | 3(b) Cement plants |
| 6. Name of Project | Proposed Expansion in Cement
Production Capacity of Existing
Standalone Grinding Unit from 1.72
Million TPA to 5.9 Million TPA (1.72
Million TPA to 3.69 Million TPA in Phase -
I by modification and additional 2.21
Million TPA by installation of New C |
| 7. Name of Company/Organization | CALCOM CEMENT INDIA LTD |
| 8. Location of Project | Assam |
| 9. TOR Date | N/A |

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

Date: 19/05/2022

(e-signed)
Indreswar Kalita
Member Secretary
SEIAA - (Assam)

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

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PARIVESH

(Pro-Active and Responsive Facilitation by Interactive,
and Virtuous Environmental Single-Window Hub)



This has reference to your application for Prior Environmental Clearance **Proposal No. SIA/AS/MIN/253482/2022 dated 03/03/2022** along with Form-1, Form-2, Project Summary, EMP and the additional clarifications furnished in response to the observations of the SEAC & SEIAA, Assam for further necessary action for proposed Expansion in Cement Production Capacity of the Existing Standalone Grinding Unit from 1.72 MTPA to 5.9 MTPA at Village: 2 No. Pipalpukhuri, Taluka: Lanka, District- Hojai (Assam) by M/s Calcom Cement India Ltd.

The project proposal requesting for EC against **expansion of Cement Production Capacity of the existing Standalone Grinding unit from 1.72 Million TPA to 5.9 Million TPA (1.72 million TPA to 3.69 million TPA in phase-I by modification and additional 2.21 million TPA by installation of New Cement Mill in phase –II) along with installation of Railway siding** proposed by **M/S Calcom Cement India Ltd** is placed before the SEAC for appraisal, review and discussion. Due scrutiny of the document is made. The proposal was appraised and discussed in the 33rd SEAC meeting held on 22nd March 2022. The proponent was invited to give detail presentation on the proposed activities and accordingly presentation is given on 33rd SEAC meeting. The proponent and his consultant participated in the deliberation made after the presentation. The committee then proposed for a field inspection and the subcommittee of SEAC, Assam inspected the proposed project site at village No. 2 Pipalpukhuri, Lanka under Hojai District on 6th April/22 and submitted report accordingly on 12th April/22.

Detailed deliberation is held in the meeting and *the committee recommended approving for issuance of EC for expansion of capacity from 1.72 Million TPA to 3.69 Million in phase-I in existing plant and additional 2.21 Million TPA by installation of new cement mill in phase –II along with installation of Railway Siding at Village 2 No. Pipalpukhuri, Lanka under Hojai District, Assam. All the terms and condition laid down in the earlier EC issued by the MoEF & CC, New Delhi vide letter No. J-11011/312/2006-IAII (I) dated 26th July 2007 will remain unchanged. Further, the committee advised that the proponent should to keep detail and transparent record of annual budget and activities conducted by the proponent under CSR funding followed by proper monitoring to avoid duplicacy with the Govt. activities implemented for similar nature. Such report should be placed before the SEIAA in their future inspection.*

The MoEF, New Delhi has accorded Environmental Clearance for Integrated Composite Cement Plant (17.50 Lakh TPA OPC & 41.50 Lakh TPA PPC) vide No. J-11011/312/2006-IAII (I) dated 26th July, 2007.

Accordingly it has been discussed and scrutinized by the SEAC on 30-04-2022 and found that the project falls under provision of Clause 7(ii) of EIA Notification 2006 & as amendment thereof by keeping the overall granted EC capacity same and with reduce pollution load. The project falls under Project Activity 3(b) Cement Plants. Total Plant Area is 114.0 Ha.


Member Secretary
SEIAA, Assam

The proposed expansion will be carried out within the existing plant premises. Total project cost is 583 Crores.

After detail discussion & reply of the queries made by the proponent before the members of both the committees, the proposal of the project has been recommended for issuance of Environmental Clearance.

Accordingly, SEIAA, Assam hereby accords necessary Environmental Clearance for the above project as per terms and conditions laid by SEAC, Assam and as per the provisions of Environmental Impact Assessment Notification, 2006 and its subsequent amendments, approved for issuance of EC subject to strict compliance of the terms and conditions as follows:

A. SPECIFIC CONDITION:

1. As installed, Electrostatic Precipitators (ESPs) to Clinker Cooler and Reverse Air Bag House to Pre-calculator kiln & Raw Mill to control emission within the prescribed limit as per the new MoEF & CC standards vide GSR 612(E) dated 25/08/2014. Bag house/Bag filter shall be provided to cement mill and packing plant to control SPM emission. Bag filter shall be provided to crushers, coal drying & grinding unit, hopper blending silo/kiln feed, raw mill hopper, cement silo, cement silo top, packing plant and at all other places including transfer points, venting auxiliaries etc. to reduce particulate matter. Performance study of the pollution control devices shall be conducted yearly to ensure their efficiency.
2. Continuous monitoring system to monitor gaseous emission shall be provided and limit shall be conforming to the prescribed standards framed by MoEF/ CPCB by installing adequate air pollution control system. Data on ambient air quality stack emissions and fugitive emissions shall be displayed in public domain and also regularly submitted on-line to the SEIAA, Assam & Regional office MoEF at Shillong, and Central Pollution Control Board (CPCB) as well as hard copy once in six months.
3. The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points, raw mill handling (unloading, conveying, transporting, stacking), vehicular movement, bagging and packing areas etc. Crusher shall be operated with high efficiency bag filters. All conveyers shall be covered with GI sheets. Covered sheds for storage of raw materials and fully covered conveyers for transporting of materials shall be provided besides coal, cements, fly ash and clinker shall be stored in silos. Pneumatic system shall be used for fly ash handling.
4. Dust suppression by regular water sprinkling shall be carried out in plant areas prone to air pollution and having high levels of SPM and RPM such as haul road, loading and unloading points, transfer points and other vulnerable area to control fugitive emissions. Fugitive emissions shall also be controlled by dust suppression and water sprinkling system. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.


Member Secretary
SEIAA, Assam
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5. Effort shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land. All the raw materials including fly ash shall be transported in the closed containers only and should not be overloaded. Vehicular emissions shall be regularly monitored.
6. Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by the Ministry and regularly monitored. Guidelines/Code of Practice issued by the CPCB shall be followed.
7. Efforts shall be made to reduce impact of transport of the raw materials and end products on the surrounding environment including agricultural land/Tea garden etc. All the raw materials including fly ash shall be transported in the closed containers only and should not be overloaded. Vehicular emissions shall be regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral.
8. Asphaltting/Concreting of road and water spray all around the critical areas prone to air pollution and having high levels of SPM and RPM shall be ensured.
9. Total water requirement from surface/ ground water source shall not exceed 399 KLD. Water efficient technology shall be provided to conserve water. Treated water shall be used in dust suppression and green belt development etc. 'Zero' discharge shall be strictly adopted and no effluent shall be discharged.
10. Domestic effluent shall be treated in Sewage Treatment Plant (STP) in proposed colony and in septic pits followed by soak pits in cement plant and mine lease area. All the treated waste water shall be used for gardening/agricultural purposes and dust suppression. Domestic waste from colony and Solid waste (MSW) from Industrial area shall be segregated into bio-degradable and non-biodegradable. Bio-degradable waste shall be composted and non-biodegradable waste shall be disposed off in environment-friendly manner or filled at identified sites only after proper treatment.
11. The project proponent shall ensure that no natural water course shall be obstructed due to any operations.
12. Suitable conservation measures to augment ground water resources in the area shall be planned and implemented in consultation with concerned authority.
13. The project proponent shall take appropriate mitigation measures to prevent pollution of nearby River and other surface water body, if any.
14. All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices shall be recycled and reused in the process and used for cement manufacturing. Clay & shale generated as solid waste in the mine area shall be used for manufacturing clinker. Refractory bricks shall be sold to authorize agencies. ETP sludge shall be dried, compressed and used for land filling. Treated sewage shall be used as manure for green belt development. Waste oil, grease and scrapped automobiles batteries shall be provided to the authorized recyclers/re-processors.
15. An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.


Member Secretary
SEIAA, Assam
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16. As proposed, green belt shall be developed in (33%) of the total land in cement plant as per the CPCB guidelines in consultation with local DFO to mitigate the impact of fugitive emissions. A long term plan for the plantation/ afforestation /green belt development etc. shall be prepared and submitted to the SEIAA, Assam and Regional Office of MoEF at Shillong and implemented.
17. All the safety norms stipulated by the Director General, Mine & Safety (DGMS) shall be implemented. On site & off site emergency plan shall be prepared in consultation with respective authorities and implement accordingly.
18. 'Consent to Operate' shall be obtained from State Pollution Control Board, Assam.
19. Acoustic enclosures shall be provided to control noise wherever necessary. Noise shall be controlled from cooler fans, compressor house, cement mill and raw mill, cement plant using appropriate noise control measures.
20. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plant shall be implemented.
21. The company shall comply with the commitments made during public consultation for the expansion project.
22. The company shall provide housing for 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, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project.

B. GENERAL CONDITIONS:

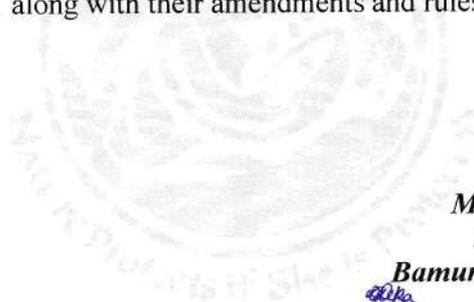
1. The project authority must adhere to the stipulation made by State Pollution Control Board, Assam and State Government.
2. No further expansion or modification of the plant shall be carried out without prior approval of SEIAA, Assam.
3. At least four ambient air quality monitoring stations shall be established in the downward direction as well as where maximum ground level concentration of PM¹⁰, PM^{2.5}, SO² and Nox are anticipated in consultation with the State Pollution Control Board, Assam. Data or ambient air quality and stack emissions shall submitted to the SEIAA, Assam including Regional office MoEF at Shillong and State Pollution Control Board, Assam once in six months.
4. Industrial waste water shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May, 1993 and 31st December 1993 or as amended from time to time. The treated wastewater shall be utilized to plantation purpose.
5. The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods silencers, enclosures etc. on all sources of noise generation. The ambient noise levels


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SEIAA, Assam
SEIAA

- shall conform to the standards prescribed under Environment (Protection) Act, 1986, Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
6. Proper housekeeping and adequate occupational health programs must be taken up. Occupational Health Surveillance program shall be done on a regular basis and maintained records. The Program must include function and sputum analysis tests once in six month.
 7. The company shall harvest the rainwater from the roof tops and storm water drains for utilizing in the lean season besides recharging the ground water table.
 8. The company shall under take eco-development measures including community welfare measures in the project area.
 9. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP.
 10. A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.
 11. Rs. 15.61 Crores spent towards capital cost and as proposed Rs. 2.97 Crores earmarked towards recurring cost/annum for the environmental protection measures and Rs. 2.54 crores for CSR activities for five years to implement the conditions stipulated by the SEIAA, Assam as well as the Ministry & State Govt. and submit implementation schedule for all the conditions stipulated herein SEIAA, Assam. The funds so provided shall not be diverted for any other purposes.
 12. The project proponent shall inform the public that the project has been accorded environmental clearance by the SEIAA, Assam. This should be advertised within seven days from the date of issue of the clearance letter at least in two local newspaper that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to SEIAA, Assam & Regional office, MoEF at Shillong.
 13. A copy of clearance letter shall be sent by the proponent to concerned DC, Urban Local Body and the local NGO if any from whom suggestions/ representations if any were received while processing the proposal. The clearance letter shall also be put on the web site of the company by the proponent.
 14. The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the SEIAA, Assam, Regional office of the MoEF, Shillong & PCB, Assam. The criteria pollutant levels namely: PM (stack), PM₁₀, PM_{2.5}, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.


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SEIAA, Assam
2022

15. The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the SEIAA, Assam, & Regional office of MoEF, the respective Zonal Office of CPCB and the SPCB. The SEIAA, Assam/Regional Office of MoEF at Shillong shall monitor the stipulated conditions.
16. The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned SEIAA, Assam and PCB, Assam as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental conditions and shall be sent to the SEIAA, Assam & regional office of MoEF, Shillong.
17. The SEIAA, Assam may revoke or suspend the clearance if implementation of any of the above conditions is not found satisfactory.
18. Any other conditions or alternation in the above conditions will have to be implemented by the project proponent in a time bound manner.
19. The above conditions will be enforced, inter-alia under the provisions of the water (Prevention and Control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 the Environment Protection Act, 1986 and the public Liability Insurance Act, 1991 along with their amendments and rules.

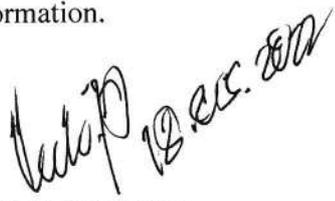


Handwritten signature and date: 18.05.2022

Member Secretary
SEIAA, Assam
Bamunimaidam, Guwahati-21

Copy to: -

1. The Joint Secretary, Ministry of Environment, Forest and Climate Change, Government of India, MoEF, Indira Paryavaran Bhawan, Jorbagh Rd, New Delhi-110003 for favour of kind information.
2. The Secretary to the Govt. of Assam, Environment & Forest Department, Dispur, Guwahati-6 for favour of information.
3. The PCCF, HoFF, Govt. of Assam, Panjabari, Guwahati-37 for favour of kind information.
4. The Member Secretary P.C.B. Assam for favour of information.
5. The Integrated Regional Office, MoEF & CC, 4th Floor, Housefed Building, GS Road, Rukminigaon, Guwahati-22 for favour of information.
6. Office file.


Member Secretary

SEIAA, Assam

Bamunimaidam, Guwahati-21