



State Level Environment Impact Assessment Authority (SEIAA)

**Andhra Pradesh
Government of India**

Ministry of Environment & Forests

D.No.33-26-14 D/2, Near Sunrise Hospital, Pushpa Hotel Centre,
Chalamavari Street, Kasturibaipet, Vijayawada.

REGD.POST WITH ACK.DUE

Order No. SEIAA/AP/NLR-164/2013- 690

Dt: 01.03.2018

Sub: SEIAA, A.P. – M/s. Penna Cement Industries Ltd., Cement Grinding Unit, Sy.No.684, 687, 688, 689 & 690, Krishnapatnam Village, Muthukur Mandal, S.P.S.R.Nellore District – Environmental Clearance - Exapnsion - Issued - Reg.

- I. This has reference to your application submitted vide letter dt. 12.01.2018, seeking Environmental Clearance for the expansion of **Cement Grinding Unit** from **2.0 MTPA-4.0 MTPA** by **M/s. Penna Cement Industries Limited** at **Sy.No.684, 687, 688, 689 & 690, Krishnapatnam Village, Muthukur Mandal, S.P.S.R.Nellore District**. The nearest human habitation viz., Gopalapuram (V) exists at a distance of 1.0 km from the project site. The total area of the site is 6.08 Ha. The total cost of the project for proposed expansion is 150.0 Crores, and the production capacity of the project is as following:

Grinding of Cement 2.0 MTPA-4.0 MTPA (Expansion)

- II. The process involves blending of required raw materials in required proportion and ground in a ball mill to produce the cement. The raw materials for Ordinary Portland Cement (OPC) are clinker & gypsum; for Portland Puzzolona Cement (PPC) are clinker, gypsum & fly ash; & for Portland Slag Cement (PSC) are clinker, gypsum & slag after drying.
- III. The SEIAA, A.P. issued Environmental Clearance vide order dt. 18.03.2016 to M/s. Penna Cement Industries Ltd., for 2.0 MTPA Cement Grinding Unit at Krishnapatnam Port (V), Muthkur (M), S.P.S.R. Nellore District.
- IV. The SEAC in the meeting held on **21.01.2018** examined the proposal. The representative of project proponent and their consultant M/s. B.S.Enviro Tech have attended the meeting. The Committee noted that the industry obtained EC for Clinker Grinding Mill –I vide EC order dated 18.03.2016 for production of Cement – 2 MTPA. Now they proposed for expansion of production quantities of Cement from 2.0 MTPA to 4.0 MTPA by installing another unit - Clinker Grinding Mill –II in the existing premises. They have submitted the certified EC compliance of the existing

Plant from the MoEF&CC, Regional Office, Chennai. Earlier the PP submitted the undertaking that they transport the Clinker & Cement through railways. The proposed project falls under Item 3(b) – Cement Plant in the schedule of the EIA Notification 2006 and under Category 'B2' as per MoEF Office Memorandum dated 24.12.2013 – All stand-alone grinding units listed in the schedule as Category 'B' subject to the condition that transportation of raw material and finished products shall be primarily through railways [*transportation by railways should not be less than 90% of the traffic (inward and outward put together)*]. The Committee recommended for **issue of Environmental Clearance** for the proposed expansion project to increase the production capacity of **Cement from 2.0 Million TPA to 4.0 Million TPA** duly incorporating the special condition that transportation of raw material and finished product through railways/waterways shall be more than 90% of the traffic. and also the Project Proponent shall comply with the CRZ Regulations 2011 and amendments thereof.

- V. The State Level Environment Impact Assessment Authority (SEIAA), in its meeting held on **06.02.2018** examined the proposal and the recommendations of the SEAC and decided to issue EC. The SEIAA, A.P hereby **accords prior Environmental Clearance to the project** as mentioned at Para no. I under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:

A. Special Conditions:

1. The Environmental Clearance (EC) issued vide order dt. 13.01.2015 is cancelled.
2. The transportation of raw material and finished product through railways/waterways shall be more than 90% of the traffic.
3. The Project Proponent shall comply with the CRZ Regulations 2011 and amendments thereof.
4. The industry shall arrange for acoustic barriers and locate roll mills and ball mills within those barriers.
5. All the internal roads shall be paved CC or bitumen roads, adequate closed silos for storage of fly ash and clinker and covered shed for storage of gypsum shall be provided.
6. The industry shall provide bag filters for cement grinding unit to meet SPM requirement of 30 mg /Nm³ and at all transfer points.
7. The industry shall procure suitable road sweeping machine to maintain good house keeping.
8. The industry shall install continuous ambient air quality monitoring station in Gopalapuram village.
9. The industry shall install online continuous stack monitoring for the cement mill grinding unit.

B. Specific Conditions:

a) Air pollution:

- i The industry shall provide air pollution control equipments to control stack and fugitive emissions to meet the standards notified by MoEF/CPCB/APPCB.
- ii Sampling Port with removable dummy of not less than 15cm diameter in the stack at a distance of 8 times the diameter of the stack from the nearest constraint such as bends etc., shall be provided to monitor stack emissions.
- iii Ambient air quality including ambient noise levels must not exceed the standards stipulated under EPA or by the State authorities. Monitoring of ambient air quality and stack emissions shall be carried out regularly in consultation with APPCB and report submitted to the Board and to the Ministry's Regional Office at Chennai half yearly.
- iv Raw materials and products shall be transported in covered racks. Storage of raw material shall be in roof sheds/silos. Water spray system shall be provided all around the stockpiles and dust suppression system around the conveyor system. All the conveyor belts shall be covered with G.I. Sheets. All the roads in the plant area shall be asphalted / concreted and water sprayed to reduce the fugitive dust emissions.
- v In-plant control measures for checking fugitive emissions from all the vulnerable sources like spillage/raw materials handlings etc. shall be provided. Further, specific measures like provision of adequate dust suppression & extraction system consisting of water sprinkling, suction hoods, fans and bag filters etc. shall be installed at material transfer points, and other raw material handling areas. Fugitive emissions shall be regularly monitored and records maintained.
- vi Interlocking facility should be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the feeding of raw materials is stopped automatically.

b) Water Pollution:

- i The source of water is port well. Total water requirement is 100.0 KLD (existing is 80 KLD & proposed is 20.0 KLD) for dust suppression, development of green belt and domestic purpose. Wastewater generated from the domestic section after expansion is 12.0 KLD and it is to be disposed into septic tank followed by soak pit
- ii The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water. ✓

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c) Solid Waste :

- i. Dust generated from the Bag filters shall be completely recycled. Waste oils & used oils generated from the plant shall be disposed as per the Hazardous wastes (Management and Handling) transboundary rules and its amendments thereof to the recyclers authorized by APPCB.

B. General Conditions:

- i. **This order is valid for a period of 7 years.**
- ii. "Consent for Establishment" shall be obtained from Andhra Pradesh Pollution Control Board under Air and Water Act before the start of any activity / construction work at site.
- iii. Provision shall be made for the housing of the construction labour within the site with all necessary infrastructure and facilities such as safe drinking water, fuel for cooking, mobile toilets, mobile STP, medical health care, crèche etc., The housing may be in the form of temporary structures to be removed after the completion of the project. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- iv. No change in the process technology and scope of working should be made without prior approval of the SEIAA, A.P. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, AP/ MoE&F, GoI, New Delhi, as applicable.
- v. The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA; and CCF, Regional office of MoE&F, GoI, Chennai on 1st June and 1st December of each calendar year.
- vi. Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.
- vii. Data on ambient air quality should be regularly submitted to the Ministry including its Regional Office located at Chennai and the State Pollution Control Board/ Central Pollution Control Board once in six months.
- viii. Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.



- ix. Occupational health surveillance program of the workers should be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.
- x. A separate environmental management cell with suitable qualified personnel should be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.
- xi. The funds earmarked for environmental protection measures (Capital cost & Recurring cost of Rs 3.1 Crores/annum) should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the Ministry and its Regional Office located at Chennai.
- xii. The Regional Office of MOE&F located at Chennai 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.
- xiii. The project proponent shall submit the copies of the environmental clearance to the Heads of local bodies i.e., Panchayats / 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.
- xiv. The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and SEIAA, A.P. This order shall be displayed in the website of the project proponent.
- xv. 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.
- xvi. The company shall undertake eco-development measures including community welfare measures in the project area.
- xvii The proponent shall obtain all other mandatory clearances from respective departments.
- xviii Concealing the factual data or failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.



- xix. The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xx. The above conditions will 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 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

**MEMBER SECRETARY,
SEIAA, A.P.**

**MEMBER,
SEIAA, A.P.**

**CHAIRMAN,
SEIAA, A.P.**

To

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//T.C.F.B.O//


SENIOR ENVIRONMENTAL ENGINEER (EC)
