

File No. J-11011/638/2008-IA.II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(I.A. Division)

Indira Paryavaran Bhawan
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New Delhi - 110003
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Dated: 16th March, 2016

To

M/s Lafarge India Pvt. Ltd.
Jojobera Cement Plant,
P.O-Rahargora, Jamshedpur
Jharkhand-831016.

Subject: Expansion of Cement Grinding unit (3.4 MTPA to 4.6 MTPA) located at Rahargora, Jamshedpur Dist, Jharkhand by M/s Lafarge India Pvt Ltd. – Amendment in environmental clearance for change of product mix without changing the overall production of 4.6 MTPA regarding.

Sir,

This has reference to your letter No. LIPL/JOJO/1/2015 dated 16th February, 2015 regarding subject mentioned above

2.0 It has been noted that Environmental Clearance for the project of 4.6 MTPA Standalone Grinding Unit at Rahargora, Jamshedpur Dist, Jharkhand by M/s Lafarge India Pvt, Ltd, was accorded by the Ministry vide letter of even number dated 19.12.2008. The clearance was granted to produce 3.2 MTPA of Portland Slag Cement (PSC) and 1.4 MTPA of Portland Pozzolona Cement (PPC) with over all cement production capacity of 4.6 MTPA.

3.0 It has been explained that as part of waste utilization, keeping in view of the availability of slag from steel plant and also market conditions, Lafarge India Pvt.Limited proposes to increase PSC production from 3.2 MTPA to 4.0 MTPA (max) and reduce PPC production from 1.4 MTPA to 1.0 MTPA (max) with overall production at 4.6 MTPA.

4.0 It has been mentioned that the change of product mix will result in the following advantages.

- i. Addition of slag to an extent of 45 % will result in decrease of clinker consumption to an extent of 45 %. When PSC production increases from 3.2 to 4.0 MTPA, slag (waste) consumption will increase from 1.90 To 2.40 MTPA. thus clinker of about 0.50 MTPA is saved
- ii. Saving of clinker of 0.50 MTPA will be directly result in saving of 0.075 MTPA of coal
- iii. Saving of Clinker and coal, will result in reduction of CO₂ gas (green house gas) generation of about 0.40 MTPA
- iv. No additional/change of machinery is involved.
- v. No capital cost is involved



5.0 In view of the advantages, as mentioned above it has been requested to issue amendment for environmental clearance for change in cement product mix as shown below:


	MTPA	
	Present Production	Proposed change of Product mix
PSC	3.2	4.0 (max)
PPC	1.4	1.0 (max)
Total	4.6	Over all production will not cross 4.6 MTPA

6.0 The above proposal was considered by the Expert Appraisal Committee (Industry-I) during its 35th meeting held on 26th -27th March, 2015 and 47th Meeting held on 3rd -4th September, 2015 ^{and} recommended the proposal for amendment in the Environmental Clearance.

7.0 The Ministry of Environment, Forest and climate change accepted the recommendation of EAC(I) and hereby decided to accord amendment in Environmental Clearance letter No. J-11011/638/2008-IA.II(I) dated 19th December, 2008 for production of 4 MTPA (max.) of Portland Slag Cement and 1 MTPA (max) of Portland Pozzolona Cement and the over all production in any case should not exceed 4.6 MTPA.


8.0 The company shall obtain fresh Environment Clearance in case of any change in the scope of the project.

This issues with the approval of the competent Authority.


16/12/2016
(Dr. Satish C. Garkoti)
Scientist 'F'

Copy to:-

1. The Secretary, Department of Environment, Government of Jharkhand.
2. The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, New Delhi, 110 032.
3. The Additional Principal Chief Conservator of Ministry of Environment, Forest and Climate Change, Regional Office (ECZ), Bungalow No. A-2, Shyamali Colony, Ranchi – 834002
4. The Chairman, Jharkhand State Pollution Control Board, Town Administrative Building, HEC Dhurwa, Ranchi-824004
5. Guard File / Record File/Monitoring file


(Dr. Satish C. Garkoti)
Scientist 'F'

Kind Attn. Mr. Ashish Khilgani

F. No. J-11011/638/2008- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Parvavaran Bhawan
CGO Complex, Lodhi Road
New Delhi - 110 003

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Telefax : 011: 2435 7668

Dated 19th December, 2008

To, ✓
The Vice President, Jojobera Cement Plant
M/s Lafarge India Pvt. Ltd.
P.O. Rahargora, Jamshedpur
Jharkhand

E-mail : jmenviron@hotmail.com ; Fax No. : ??

Subject : Expansion of Cement Grinding Unit (3.4 MTPA to 4.6 MTPA) at Jijobera Cement Plant,
Village Jojobera, P.O. Rahargora, Jamshedpur, Jharkhand by M/s Lafarge India Pvt.
Ltd. - Environment clearance req.

Ref. : Your letter no. nil dated 30th July, 2008.

Sir,

This has reference to your letter no. nil dated 30th July, 2008 alongwith Form I, Pre-feasibility Report, draft Terms of References and EIA/EMP and subsequent clarifications furnished by you vide your letter dated 10th November, 2008 for environmental clearance on the above mentioned project.

2.0 The Ministry of Environment and Forests has examined the application. It is noted that proposal is for the expansion of Cement Grinding Unit (3.4 MTPA to 4.6 MTPA) at Jijobera Cement Plant, Village Jojobera, P.O. Rahargora, Jamshedpur, Jharkhand by M/s Lafarge India Pvt. Ltd. Total project area is 63 ha and proposed expansion will be within the existing plant premises. No additional land will be required. No national park, wild life sanctuary or biosphere reserve is located within 10 km radius of the project site. Patches of reserve forests fall in SW and NE direction. No rehabilitation and re-settlement is involved. Total cost of the proposed expansion is Rs. 319.30 Crores.

3.0 New vertical roller mill will be installed. Proposed expansion will involve increase in the production capacity of Portland Slag Cement (PSC) from 2.0 MTPA to 3.2 MTPA with no change in Portland Pozzolona Cement (PPC) production capacity (1.4 MTPA). The project is environment-friendly as it will help in bulk utilization of slag in eco-friendly way produced by M/s Tata Steels Ltd. while manufacturing Portland Slag Cement (PSC). Clinker (1.275 MTPA) will be sourced from own Sonadih Cement Plant and stored in closed Silo. Slag (3.0 MTPA) will be sourced from adjacent Tata Steel and stored in covered slag shed. Gypsum (0.135 MTPA) will be procured from Rajasthan and stored in covered slag shed. Clinker, Gypsum and Slag will be grounded to required fineness and mixed in proper proportions to produce Portland Slag Cement. Fly ash will be mixed instead of slag for manufacture of Pozzolona Portland Cement.

4.0 Cement grinding will be carried out in closed clinker and will have a highly efficient bag dust collectors/bag house based on reverse pulse jet technology to control dust emissions from the expansion line within 50 mg/Nm³. Fugitive emissions will be controlled by water sprinkling. Total water requirement after expansion from TISCO supply will be 1,050 m³/day. No effluent will be generated from the proposed plant. No solid waste will be generated as the entire material will be sold as final product.