

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Pranisampad Bhawan, 5th floor, LB 2, Sector-III, Salt Lake, Kolkata – 700 106

e-mail: environmentwb@gmail.com

Web Portal: www.environmentwb.gov.in

No. 820 /EN/T-II-1/045/2017

Date: 27th April, 2023

To
M/s. Orissa Metallurgical Industry Private Limited.,
Garstin Place, Room No 3B,
Kolkata-700001

Sub: Transfer of Environmental Clearance for proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through up upgradation/modification of the existing plant and by installation of 1x1800 TPD+1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises at village- Gokulpur, P.O.-Shyamraipur, P.S- Kharagpur(L) Dist.- paschim Medinipur, West Bengal from M/s. Bansal Cement Private Limited to M/s. Orissa Metallurgical Industry Private Limited. (proposal no. SIA/WB/IND/297756/2023)

Sir,

SEIAA in its meeting held on 13.04.23 considered the EC transfer application made by M/s Orissa Metallurgical Industry Private Limited vide online application no. SIA/WB/IND/297756/2023 made in the PARIVESH Portal and approved the same.

Therefore, Environmental Clearance issued vide No. 3310/EN/T-II-1/045/2017 dated 03.10.2018 and corrigendum in EC vide letter no. 231/EN/T-II-1/045/2017 dated 04.02.2019 is hereby transferred from M/s. Bansal Cement Private Limited to M/s. Orissa Metallurgical Industry Private Limited. All terms and conditions mentioned in the EC No. 3310/EN/T-II-1/045/2017 dated 03.10.2018 and corrigendum in EC vide letter no. 231/EN/T-II-1/045/2017 dated 04.02.2019 would remain the same.



(K. Balamurugan)
Member Secretary, SEIAA

No. 820 /EN/T-II-1/045/2017

Date: 27th April, 2023

Copy forwarded for the information to:
The Secretary, State Level Expert Appraisal Committee, West Bengal Pollution Control Board,
Paribesh Bhavan', LA, Salt Lake Sector III, Kolkata – 700106



Member Secretary, SEIAA

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Pranisampad Bhawan, 5th floor, LB 2, Sector-III, Salt Lake, Kolkata – 700 106

e-mail: environmentwb@gmail.com

Web Portal: www.environmentwb.gov.in

No. 231 / EN / T – II – 1 / 045 / 2017

Date: 4th February, 2019

To

M/s Bansal Cement Pvt. Ltd.,
'Orbit', 3rd Floor,
1, Grastin Place,
Kolkata – 700 001.

Sub: Corrigendum in the Environmental Clearance No. 3310/EN/T-II-1/045/2017 dated 03.10.2018 issued to M/s. Bansal Cement Private Limited.

Sir,

This is to inform you that SEIAA in its meeting held on 22.01.2019 considered the letter vide No. Bansal_Cement/SEIAA/18-19/01 dated 04.01.2019 from the project proponent and decided to correct the stack height for cement grinding unit from 60 meters to 35 meters.

Therefore, the specific condition no. ii in the Environmental Clearance No. 3310/EN/T-II-1/045/2017 dated 03.10.2018 is hereby replaced thus –

“Cement grinding shall be carried out in cement vertical roller mill/roller press. Provision of dust extraction and pollution control systems along with minimum stack height of 35m from G.L. should be made for control of emission. Adequate control measures like installation of Bag Filters, Dry Fog Dust suppression System, Water sprinkler, Dust Extraction System, and stack of adequate height at relevant points shall be made. Stack emissions shall be monitored at regular intervals and records maintained. The stack emission should not exceed 30 mg/Nm³.

All other conditions in the Environmental Clearance will remain same.

Yours sincerely,

(Niraj Singhal, IFS)
Member Secretary, SEIAA

No. 231 / EN / T – II – 1 / 045 / 2017

Date: 4th February, 2019

Copy forwarded for the information to:

The Secretary, State Level Expert Appraisal Committee, West Bengal Pollution Control Board, 'Paribesh Bhavan', LA, Salt Lake Sector III, Kolkata – 700 106.

Sd/-

(Niraj Singhal, IFS)
Member Secretary, SEIAA

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Pranisampad Bhavan, Block 'LR'-7, 5th Floor, Sector – III,

Salt Lake, Kolkata – 700 106

Telefax No. 033 2335 5246

Website : www.environmentwb.gov.in

No. 3310 /EN/T-II-1/045/2017

Date : 03 / 10 /2018

To
M/s. Bansal Cement Pvt. Ltd.
'Orbit', 3rd Floor
1, Grastin Place,
Kolkata – 700 001

SUB. : Environmental Clearance for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 1x1800 TPD + 1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises at Village – Gokulpur, P.O. Shyamraipur, P.S. Kharagpur(L), District – Paschim Medinipur, West Bengal by M/s. Bansal Cement Private Limited.

Sir,

This has a reference to your application submitted on 30/06/2017 and subsequent communications for environmental clearance for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation / modification of the existing plant and by installation of 1x1800 TPD + 1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises at Village – Gokulpur, P.O. Shyamraipur, P.S. – Kharagpur(I), District – Paschim Medinipur, West Bengal.

The proposal has been examined and processed in accordance with the LIA Notification, 2006. It is noted that the proposed proposal is for expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 1x1800 TPD + 1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises. It is noted that clinker will not be manufactured at the site. The manufacturing process will involve only grinding of cement clinker with fly ash/slag and gypsum

It is noted that the salient features of the project, for which Environmental clearance has been considered are as follows :

Proposed Project	ENHANCEMENT IN PRODUCTION FROM 72000 TPA TO 14,50,000 TPA CEMENT				
Project Proponent	BANSAL CEMENT PRIVATE LIMITED Orbit 3rd Floor,1, Grastin Place, Kolkata – 700 001				
Project Location	Mouja-Mathurakismat, Village-Gokulpur, P.O-Shyamraipur, Kharagpur (L), Paschim Mednipur, West Bengal.				
Main Plant	Unit	Existing	Additional		Total
	Cement Grinding Unit (Bull Mill)	2 x 100 TPD (72,000 TPA)	Modernization of Existing Facility 60,000 TPA	New Unit 1 x 1800 TPD + 1 x 200 TPD (6,60,000 TPA)	2 x 100 TPD + 1 x 200 TPD + 1 x 1800 TPD (7,92,000 TPA)

2

Conditions for Environmental Clearance for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 1x1800 TPD + 1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises at Village – Gokulpur, P.O. – Shyamraipur, P.S. – Kharagpur(L), District – Paschim Medinipur, West Bengal by M/s. Bansal Cement Private Limited

	Cement Grinding Unit (Vertical Roller)	---	1 x 2000 TPD (6,60,000 TPA)	1 x 2000 TPD (6,60,000 TPA)
Products	Product	Existing Permission	Additional	Total
	Cement (PPC/PSC)	72,000 TPA	-	14,50,000 TPA
	Cement (PPC/PSC/OPC/Composite)	---	13,78,000 TPA	(PPC/PSC/OPC/Composite)
Raw Materials	Clinker : 10,14,400 TPA, Slag : 3,58,000 TPA, Fly Ash : 4,34,200 TPA, Gypsum : 72,600 TPA & Coal : 47,700 TPA.			
Land	Existing Plant Area is 09 acres. The expansion will be within the existing plant premises only. Greenery will be developed in 3.1 acres (34%).			
Project Cost	Rs. 45.00 Crores.			
Pollution Control	Capital Cost: Rs. 191 Lakhs; Recurring Cost: Rs. 19.1 Lakhs / Annum.			
Make-up Water Consumption	23 KLD [Existing - 02 KLD; Additional - 21 KLD]. Source: Borewell / Rainwater Harvesting Pond.			
Manpower	Total : 196 [Existing : 46 ; Additional : 150]			
Solid Waste	Sl. No	Solid Waste	Quantity (TPA)	Solid Waste Management
	1	Coal Ash from Coal Fired Dryer	42	Reused in the Process
	2	From APC Devices	5544	Reused in the Process
	3	Rejected Bags	6120	Return to the Supplier
Power Requirement	5.38 MW [Existing: 0.65 MW; Additional: 4.73 MW]. Source: WBSEDCL/ CPP of Group Company D.G. Set : 1 X 32 KVA [Existing] + 1 x 600 KVA (Additional)			
Pollution Control Devices	Location	Name of the APC device		Stack Height
	EXISTING APC DETAIL			
	Cement Ball Mill-1 (1 x 100 TPD)	Bag Filter		30 Meter
	Cement Ball Mill-2 (1 x 100 TPD)	Bag Filter		30 Meter
	Tunnel 1	Bag Filter		30 Meter
	Tunnel - 2	Bag Filter		30 Meter
	Cement Silo-1	Bag Filter		33 Meter
	Cement Silo-2	Bag Filter		33 Meter
	PROPOSED APC DETAIL			
	Ball Mill (1 x 200 TPD)	Bag Filter		35 Meter

2

Conditions for Environmental Clearance for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 1x1800 TPD + 1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises at Village – Gokulpur, P.O. – Shyamraipur, P.S. – Kharagpur(L), District – Paschim Medinipur, West Bengal by M/s. Bansal Cement Private Limited

Ball Mill (1 x 1800 TPD)	Bag Filter	35 Meter
Vertical Roller Mill with inbuilt Slag Dryer (1 x 2000)	Bag Filter	35 Meter
Slag Dryer (3 x 5 TPH+ 1 x 85 TPH)	Cyclone with common Bag Filter	35 Meter
Cement Storage Silo (2 Nos.)	Bag Filter	35 Meter
Fly Ash Silo (1 No.) Capacity- (1 x 2000T)	Bag Filter	35 Meter
Slag Silo (02 Nos.) Capacity- (1 x 4000T & 1 x	Bag Filter	35 Meter
Clinker unloading section	Bag Filter	-----
Roller Press Circuit	Bag Filter	-----
Roller Press Circuit	Bag Filter	35 Meter
Packing section (1Nos.)	Bag Filter	35 Meter

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14th September, 2006 of Ministry of Environment & Forests, GOI, subject to strict compliance of terms and conditions as mentioned below :-

A. SPECIFIC CONDITIONS:

- i. The gaseous emissions from various process units should conform to the load / mass based standards prescribed by the Ministry of Environment & Forests and the State Pollution Control Board from time to time. At no time the emission level should go beyond the prescribed standards.
- ii. Cement grinding shall be carried out in cement vertical roller mill/roller press. Provision of dust extraction and pollution control systems along with minimum stack height of 60m from G.L. should be made for control of emission. Adequate control measures like installation of Bag Filters, Dry Fog Dust Suppression System, Water sprinkler, Dust Extraction System, and stack of adequate height at relevant points shall be made. Stack emissions shall be monitored at regular intervals and records maintained. The stack emission should not exceed 30 mg/Nm³.
- iii. Regular monitoring of the ambient air quality shall be carried out in and around the plant and records shall be maintained. All care to be taken to maintain the ambient air quality standards as per GSR 826 (E) dated 16.11.2009. At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM₁₀, PM_{2.5}, SO₂ and NO₂ are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to the SEIAA and the SPCB once in six months.
- iv. Finished cement should be collected in silo and packaging should be done through pneumatically controlled system. Suction system should be installed at packaging section to minimize fugitive emission.

2

Conditions for Environmental Clearance for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 1x1800 TPD + 1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises at Village – Gokulpur, P.O. – Shyamraipur, P.S. – Kharagpur(L), District – Paschim Medinipur, West Bengal by M/s. Bansal Cement Private Limited

- v. All vibrating screens, storage bins will be adequately covered. Covered storage yards shall be provided for raw materials. Closed unloading of raw materials and closed conveyor belt for transportation with bag filter at transfer points should be provided. Suction head should be provided at all transfer points.
- vi. Adequate dust suppression and extraction system should be provided in material storage areas, material unloading and transfer points for controlling fugitive emission. Fugitive dust emissions from ball mill and storage areas shall be collected in bag filters and recycled back to the process. Water sprinkling arrangement shall be made in the raw material stock yards and other high dust potential areas.
- vii. Water required for proposed expansion shall be met from ground water supply as proposed. Groundwater shall be abstracted as per permission of the competent authority as per The West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- viii. Process effluent discharge is not permitted. No liquid effluent shall be generated by adoption of dry grinding process.
- ix. Clinker manufacturing / heating is not permitted under this environmental clearance. Clinker and fly ash shall be stored in the closed silos and gypsum in covered shed.
- x. All the bag filter dust, raw meal dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process used for cement manufacturing. Spent oil and batteries should be sold to authorized recyclers / reprocessors only. Hazardous waste generated to be disposed of as per provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- xi. Adequate provisions should be made for harvesting rainwater. The harvested water should be used for plantation, firefighting, washing and cleaning etc. Recharging of Groundwater is not permitted.
- xii. Green belt shall be developed within the plant premises. **At least 33% of the area should be kept for green belt development.** At least 880 number of trees to be planted. Indicative list of species is given at Annexure –I. There should not be any removal/destruction of vegetative cover both at the establishment as well as the operational stage, without the sanction of appropriate authority.
- xiii. The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- xiv. Asphaltting/concreting of roads and water spray all around the stockyard and loading/unloading areas in the cement plant shall be carried out to control fugitive emissions. Regular water sprinkling shall be carried out in critical areas prone to air pollution and having high levels of PM₁₀ and PM_{2.5} such as haul road, loading and unloading points, transfer points and other vulnerable areas. It shall be ensured that the ambient air quality parameters conform to the norms prescribed by the Central Pollution Control Board in this regard.
- xv. Proper lighting and proper pathway inside the factory premises should be constructed to ensure safe vehicular movement. Provision of separate pathway for entry and exit of vehicles should be considered. Vehicles should conform to pollution under control (PUC) norms. Proper housekeeping shall be maintained within the premises.
- xvi. Health and safety of workers should be ensured. Workers should be provided with adequate personnel protective equipment and sanitation facilities. Occupational Health Surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- xvii. Adequate measures to be adopted to ensure industrial safety. Proper fire detection & protection systems to be provided to control fire and explosion hazards.
- xviii. All the recommendations mentioned in the Corporate Responsibility for Environmental Protection (CREP) guidelines for Cement Plants shall be followed and complied.
- xix. The implementation and monitoring of Environmental Management Plan should be carried out, as proposed.

Conditions for Environmental Clearance for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 1x1800 TPD + 1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises at Village – Gokulpur, P.O. – Shyamraipur, P.S. – Kharagpur(L), District – Paschim Medinipur, West Bengal by M/s. Bansal Cement Private Limited

- xx. At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical break-up shall be prepared and submitted. Implementation of such program shall be ensured accordingly in a time bound manner.

B. GENERAL CONDITIONS:

- i. The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.
- ii. Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB before commencement of construction. All other statutory clearances should be obtained by project proponent from the competent authorities.
- iii. The project proponent shall comply with all the environmental protection measures and safeguards recommended in the EIA/EMP. Further, the unit must undertake socio-economic development activities in the surrounding villages like community development programs, educational programs, drinking water supply, sanitation program for local school and health care etc.
- iv. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- v. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits. Environmental sanitation should be ensured for the workers.
- vi. The project proponent should make financial provision in the total budget of the project for implementation of the environmental safeguards. The project authorities will provide requisite funds both recurring and non-recurring to implement the conditions stipulated by the SEIAA, West Bengal along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purpose.
- vii. No further expansion or modifications in the plant should be carried out without prior approval of the State Level Environment Impact Assessment Authority, West Bengal. In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.
- viii. The West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards, should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to the WBPCB regularly. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal and to Regional office of Ministry of Environment, Forests & Climate Change, Bhubaneswar.
- ix. The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act. 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
- x. The Project Proponent should inform the public that the project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board/Committee and may also be seen at Website of the SEIAA, West Bengal (<http://environmentwb.gov.in>). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.
- xi. 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.

Conditions for Environmental Clearance for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 1x1800 TPD + 1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises at Village – Gokulpur, P.O. – Shyamraipur, P.S. – Kharagpur(L), District – Paschim Medinipur, West Bengal by M/s. Bansal Cement Private Limited

The criteria pollutant levels namely; PM₁₀, PM_{2.5}, SO₂ and NO₂ (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.

- xii. The Project Authorities should inform the State Pollution Control Board as well as the SEIAA, West Bengal, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work/project implementation.
- xiii. The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.
- xiv. The contact details of the proponent and the name of the consultant are given below –

Name of the Contact person with Designation	Shri Sukumar Karan, G.M. Plant & Quality Control
Address	1, Grastin Place, Orbit House, 3 rd Floor, Room No. 3B, Kolkata – 700 001
Email	bansalcementpvtltd@gmail.com
Telephone Number; Fax Number	Tel. No. 09735212385, Fax No. 033 2243 8517
Name of the Environmental Consultant	M/s Global Tech Enviro Experts Pvt. Ltd., Bhubaneswar

Yours faithfully,

(Niraj Singhal, IFS)
Chief Environment Officer &
Member Secretary, SEIAA

No. 3310 / EN/ T-II-1/045 /2017/1(5)

Date : 03 / 10 /2018

Copy forwarded to :-

1. Secretary, SEAC & M.S. WBPCB
2. Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment & Forests, Government of India, A-3, Chandrashekharpur, Bhubaneswar – 751 023, Orissa.
3. Chief Inspector of Factories, Factories Directorate, 1, K.S. Roy Road, Kolkata – 700 001.
4. The Member Convener, Monitoring Committee for Environmental Clearance.
5. Guard file / Record file.

Sd/-
Chief Environment Officer &
Member Secretary, SEIAA

Conditions for Environmental Clearance for the proposed expansion of the existing cement grinding unit from 0.072 MTPA to 1.45 MTPA through upgradation/modification of the existing plant and by installation of 1x1800 TPD + 1x200 TPD ball mill and 1x2000 TPD VRM in the existing premises at Village – Gokulpur, P.O. – Shyamraipur, P.S. – Kharagpur(L), District – Paschim Medinipur, West Bengal by M/s. Bansal Cement Private Limited

Annexure – I

LIST OF TREES PROPOSED FOR PLANTATION

Sl. No.	BOTANICAL NAME	COMMON NAME	QUANTITY
1.	<i>Acacia nilotica</i>	Babla	50
2.	<i>Azadirachta indica</i>	Neem	150
3.	<i>Cassia fistula</i>	Amaltas	100
4.	<i>Bombax ceiba</i>	Simul	100
5.	<i>Alstonia scholaris</i>	Chhatim	100
6.	<i>Anthocephalus cadamba</i>	Kadam	100
7.	<i>Butea monosperma</i>	Palas	100
8.	<i>Polyalthia longifolia</i>	Devdaru	180
		Total	880

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