



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, P.O+P.S-Dhurwa, Ranchi, Jharkhand-834 004

E-mail: msseiaa.jhk@gmail.com; website: www.jseiaa.org

Letter No.-EC/ SEIAA / 2017-18 / 2068/ 2017/ 261

Ranchi, Date: 05-11-18

To,

**Shri Ashok Gutgutia,
Managing Director,
M/s Burnpur Cement Ltd,
Patratu Industrial Area,
Dist- Ramgarh, Jharkhand.
829119.**

Sub: Extension of validity of Environmental Clearance for the project **Integrated Cement Plant of M/s Burnpur Cement Ltd at Vill. Patratu Industrial Area, Patratu, Ramgarh. Jharkhand.**

Ref: Your application dated-23.03.2018.

Sir,

This has reference to your application dated-23.03.2018 requesting for Extension of validity period of Environmental Clearance (EC) **Integrated Cement Plant of M/s Burnpur Cement Ltd at Vill. Patratu Industrial Area, Patratu, Ramgarh. Jharkhand.** The Ministry of Environmental Forest & Climate Change has issued Environmental Clearance (EC). vide F.No-J-11011/45/2009-IAII(I) dated-30th Dec, 2018.

2. Your request has been considered by the State Level Expert Appraisal Committee (SEAC) Jharkhand in its 61th Meeting held on 24th 25th & 26th Sep 2018. Based on the information furnished and discussion held, the committee recommended the Extension of Validity of (EC) till 29.12.2020.
3. M/s Burnpur Cement Limited was granted Environment Clearance by MoEF & CC, New Delhi vide F. No. J-11011/45/2009-IA-II(I) to set up manufacturing unit for Clinker (5,28,000TPA) and Cement (Portland Slag Cement 2,64,000 TPA, Portland Pozzolona Cement 2,11,200 TPA and Ordinary Portland Cement 52,800 TPA at Patratu Industrial Area, Ramgarh, Jharkhand. The land requirement for the cement plant is 60 acres. No forest land is involved. No national park/sanctuary is located within 10 Km distance. River Damodar flows at a distance of 6.5 Km in North. The site falls in seismic zone-II. Total cost of the project is envisaged as Rs. 329.0 Crores. Rs. 13.33 Crores and Rs. 3.31 Crores has been earmarked for capital cost and recurring cost/annum for environment pollution control measures.

The major pollutants expected from the plant are PM, SO₂ and NO_x. ESP to kiln cooler and bag filters to kiln/raw mill and coal mill and bag filters for cement mill and packing plants will be provided to control the particulate emissions below 50 mg/m³. Fugitive emissions from limestone handling, coal handling, clinker hoppers, storage silos, weight feeders, grinding mills and packing machines will be controlled by providing covered

sheds for storage of raw materials fully covered conveyors for transportation of materials etc.

The ground water requirement for the proposed project will be 400 m³/d. Permission from CGWA for drawl of ground water has been obtained vide letter No. 21-4(31)/CGWA/MER/2008/531 dated 29.01.2010 for 550 m³/day from ground water source. No wastewater will be discharged from the cement plant. Rain water harvesting will be implemented for the premises.

The dust collected from the various air pollution control measures like bag houses/filters, ESP etc. will be totally recycled in the process for cement manufacturing. Also other wastes like slag from iron and steel industries, fly ash from thermal power plants, will be used in the cement manufacture.

The Clinker & cement manufacturing units up to 1 MTPA are covered under Category "B" as per para 3(b) of the Schedule of the EIA notification 2006, and apprised by the Expert Appraisal Committee in the Ministry in the absence of SEIAA/SEAC then.


Present status of the project and schedule for implementation of balance units is as below:

S. No.	Production Facility	Production Capacity /Annum	Status - Capacity		Time frame by which Unit shall be Installed
			Installed	Not installed	
A	Clinker	1600 TPD	800 TPD	800 TPD	November, 2020
B	Cement				-
1.	Portland Slag Cement	800 TPD	400 TPD	400 TPD	March, 2019
2.	Portland Pozzolana Cement	640 TPD	320 TPD	320 TPD	March, 2019
3.	Ordinary Portland Cement	160 TPD	80 TPD	80 TPD	March, 2019

- Expenditure made till date is Rs. 297 Crores
- Capital expenditure made till date for environment pollution control measures and EMP is Rs. 6.80 Crores
- Compliance with the conditions of Environmental Clearance is regularly being submitted to the concerned offices. The latest compliance submitted to Regional Office, MoEF & CC Ranchi and other offices on 13.12.2017 through speed post.
- Monitoring of Environmental parameters is being done regularly and is in compliance with the standards prescribed. Reasons for the delay in implementation of the project was explained by PP as :
 - The construction of plant was being looked after by Director and plant was being set up at normal pace units as mentioned above were installed.
 - Further, there was suspension of operations in construction and installation of the proposed units owing to disturbance in construction and laying of 33 KVA line of DVC.

- Anti-social element attack twice at the plant. These attacks have resulted in loss of properties and have created a deeper sense of insecurity in the staff & workers. The matter taken up by appropriate authority and will be resolved through proper channels.
 - Therefore, the plant could not implement the project and/or operate during the above circumstances. Now, through mutual trust of stakeholders the company intends to complete the project within next three years.
4. The recommendation of SEAC has been examined by The State Level Environment Impact Assessment Authority (SEIAA), Jharkhand in its 61th Meeting held on 08 & 09.10.2018 and it was decided to accept the recommendation of SEAC in terms of extension of EC and accordingly extend the validity period of EC till 29.12.2018.
 5. All other terms and conditions mentioned in the letter no F.No-J-11011/45/2009-IAII(I) dated-30th Dec, 2018. shall remain the same.
 6. This issues with the approval of competent Authority

Yours Sincerely,


Member - Secretary
State Level Environment Impact
Assessment Authority, Jharkhand.

F. No. J-11011/45/2009- IA II (I)
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan
CGO Complex, Lodhi Road
New Delhi – 110 003
E-mail: ms.industry-mef@nic.in
Tele/fax: 011 – 2436 3973
Dated: December 30th, 2010

To,

M/s Burnpur Cement Limited
4, Chowranghee Lane,
Ratnakar Building, 10th Floor, Block-III
Kolkata- 700 016, West Bengal

Fax: 033-22522090

E-mail: dipankar@burnpurcement.com

Sub: Integrated Cement plant (0.528 MTPA) at Patratu Industrial Estate,
District Ramgarh in Jharkhand by M/s Burnpur Cement Limited –
regarding Environmental Clearance

Sir,

This has reference to your letter no. Nil dated 17th June, 2010 received on 23rd June, 2010 along with a copy of EIA/EMP reports seeking environment clearance under the provisions of EIA Notification, 2006.

2. The Ministry of Environment and Forests has examined the application for the above project. It is noted that M/s Burnpur Cement Limited have proposed to set up manufacturing unit for Clinker (5,28,000 TPA) and Cement (Portland Slag Cement- 2,64,000 TPA, Portland Pozzolona Cement- 2,11,200 TPA and Ordinary Portland Cement- 52,800 TPA at Patratu Industrial Estate, Ramgarh, Jharkhand. The unit is located at a distance of 14 km from Ramgarh, which has been designated as severely polluted area. The land requirement for the cement plant is 60 acres of which green belt is proposed in 21.0 acres (35%) of the plant area. No forest land is involved. No national park/sanctuary is located within 10 Km distance. River Damodar flows at a distance of 6.5 Km in North. The site falls in Seismic zone-II. Total cost of the project is Rs. 329.0 Crores. Rs. 13.33 Crores and Rs. 3.31 Crores has been earmarked for capital cost and recurring cost/annum for environment pollution control measures.

3. The major pollutants expected from the plant will be RSPM, SO₂ and NO_x. ESP to kiln cooler and bag filters to kiln/raw mill and coal mill and bag filters for cement mill and packing plants will be provided to control the particulate emissions below 50 mg/m³. Fugitive emissions from limestone handling, coal handling, clinker hopper, storage silos, weight feeders, grinding mills and packing machines will be controlled by providing covered sheds for storage of raw materials, fully covered conveyors for transportation of materials, etc.

4. The ground water requirement for the proposed project will be 400 m³/d. Permission from CGWA for drawl of ground water has been obtained vide letter No. 21-4(31)/CGWA/MER/2008/531 dated 29.01.2010 for 550 m³/day from ground water source. No industrial wastewater will be generated from the cement plant. All the treated wastewater will be used for dust suppression green belt development. Oil & grease will be removed and treated in a neutralization pit. No trade effluent will be generated. Domestic sewage generated from cement plant, will be partly routed to septic tank-soak pit and partly reused for green belt in the plant areas. Waste oil will be sold to the authorized agency for further treatment and disposal. Rain water harvesting structure including will be constructed.

5. The dust collected from the various air pollution control measures like bag houses/filters, ESP etc. will be totally recycled in the process for cement manufacturing. PAs also informed that other wastes like slag from iron and steel industries, fly ash from thermal power plants, will be used in the cement manufacture. DG sets with acoustic measures as per norms will be installed. The total power requirement will be 16 MW, which will be sourced from JSEB. DG sets of 1250 KVA will be installed for power backup.

6. The Clinker & cement manufacturing units up to 1 MTPA are covered under Category "B" as per para 3(b) of the Schedule of the EIA notification 2006, and appraised by the Expert Appraisal Committee in the Ministry in the absence of SEIAA/SEAC.

7. The proposal was considered by the Expert Appraisal Committee-1 (industry) in its 16th meeting held during 22nd - 24th November, 2010. The Committee recommended the proposal for environmental clearance subject to stipulation of specific conditions along with other environmental conditions. No public hearing/consultation is required due to project being located in Notified Patratu Industrial Estate as per Section (iii), Stage (3), Para (i)(b) of EIA Notification 2006.

8. Based on the information submitted by you, presentation made by you and consultant, M/s Eco Care, Asansol, West Bengal, the Ministry of Environment and Forests hereby accords environmental clearance to the above project under the provisions of EIA Notification dated 14th September 2006 subject to strict compliance of the following Specific and General conditions:

A. SPECIFIC CONDITIONS :

- i. Continuous stack monitoring facilities to monitor gaseous emissions from all the stacks shall be provided. The particulate emissions shall be controlled within 50 mg/Nm³ by installing adequate air pollution control system. Electrostatic precipitators to clinker cooler, bag house to raw mill/kiln and bag filters to coal mill and cement mill. Low NO_x burners should be provided to control NO_x emissions.
- ii. Possibilities shall be explored for the proper and full utilization of gases generated from the kiln in waste heat recovery boiler (WHRB) and a feasibility

report shall be prepared and submitted to the Ministry and its Regional Office at Bhubaneswar within 3 months from the date of issue of the letter.

- iii. The National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.
- iv. Secondary fugitive emissions shall be controlled and shall be within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued by the CPCB in this regard should be followed.
- v. Efforts 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 should be transported in the closed containers only and shall not be overloaded. The company shall have separate truck parking area. Vehicular emissions should be regularly monitored.
- vi. Total water requirement for cement plant shall not exceed 400 m³/day. All the treated wastewater shall be recycled and reused in the process and/or for dust suppression and green belt development and other plant related activities etc. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.
- vii. Efforts shall be made to make use of rain water harvested. If needed, capacity of the reservoir should be enhanced to meet the maximum water requirement. Only balance water requirement shall be met from other sources.
- viii. Regular monitoring of influent and effluent surface, sub-surface and ground water should be ensured and treated wastewater should meet the norms prescribed by the State Pollution Control Board or described under the E(P) Act whichever are more stringent. Leachate study for the effluent generated and analysis should also be regularly carried out and report submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB.
- ix. All the bag filter dust, raw mill dust, coal dust, clinker dust and cement dust from pollution control devices should be recycled and reused in the process and used for cement manufacturing. Spent oil and batteries shall be sold to authorized recyclers / reprocessors only.
- x. Efforts shall be made to use fly ash maximum in making Pozollona Portland Cement (PPC).
- xi. Efforts shall be made to use low-grade lime, more fly ash and solid waste in the cement manufacturing.
- xii. An effort shall be made to use of high calorific hazardous waste in the cement kiln and necessary provision shall be made accordingly.

- xiii. As proposed, green belt shall be developed in at least 33 % area in and around the cement plant as per the CPCB guidelines to mitigate the effects of air emissions in consultation with local DFO.
- xiv. All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the Cement plants should be implemented.
- xv. Risk and Disaster Management Plan alongwith the mitigation measures should be prepared and a copy submitted to the Ministry's Regional Office at Bhubaneswar, SPCB and CPCB within 3 months of issue of environment clearance letter.
- xvi. At least 5 % of the total cost of the project shall be earmarked towards the corporate social responsibility and item-wise details along with time bound action plan shall be prepared and submitted to the Ministry's Regional Office at Bhubaneswar. Implementation of such program shall be ensured accordingly in a time bound manner.
- xvii. 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 water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project

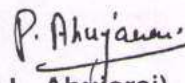
B. GENERAL CONDITIONS:

- i. The project authorities must strictly adhere to the stipulations made by the Jharkhand State Pollution Control Board and the State Government.
- ii. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.
- iii. The gaseous emissions from various process units shall conform to the load/mass based standards notified by this Ministry on 19th May, 1993 and standards prescribed from time to time. The State Pollution Control Board may specify more stringent standards for the relevant parameters keeping in view the nature of the industry and its size and location.
- iv. 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, SO₂ and NO_x are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Bhubaneswar and the SPCB/CPCB once in six months.
- v. Industrial wastewater shall be properly collected, 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 for plantation purpose.

- vi. 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 shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (daytime) and 70 dBA (nighttime).
- vii. Occupational health surveillance of the workers should be done on a regular basis and records maintained as per the Factories Act.
- viii. The company shall develop surface water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.
- ix. The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report. Further, the company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.
- x. As proposed, Rs 13.33 crores and Rs. 3.31 crores shall be earmarked towards capital cost and recurring cost/annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein shall be submitted to the Regional Office of the Ministry at Bhubaneswar. The funds so provided shall not be diverted for any other purpose.
- xi. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, 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.
- xii. 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 Regional Office of the MOEF at Bhubaneswar. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM10, 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.

- xiii. 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 Regional Office of MOEF, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Bhubaneswar / CPCB / SPCB shall monitor the stipulated conditions.
 - xiv. 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 State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company alongwith the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEF at Bhubaneswar by e-mail.
 - xv. The Project Proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment and Forests at <http://envfor.nic.in>. This shall 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 and a copy of the same shall be forwarded to the Regional office at Bhubaneswar.
 - xvi. Project authorities 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 and the date of commencing the land development work.
9. The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
10. The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
11. 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008 and the Public (Insurance) Liability Act, 1991 along with their amendments and rules


(Dr. P.L. Ahujara)
Scientist -F

Copy to:-

1. Secretary, Department of Forest, Govt. of Jharkhand, Nepal House, Ranchi.
2. Chief Conservator of Forests, Ministry of Environment & Forests, Regional Office, (EZ) A-3, Chandrashekharpur, Bhubaneswar-715023.
3. Chairman, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar New Delhi – 110 032.
4. Chairman, Jharkhand State Pollution Control Board, T.A Division Building (Ground Floor) HEC Campus, Dhurwa, Ranchi -834004.
5. Director (Monitoring Cell), Ministry of Environment and Forests, Paryavaran Bhavan, CGO Complex, New Delhi.
6. Guard File/Monitoring File/Record File.

(Dr. P. L. Ahujarai)
Scientist 'F'



State Level Environment Impact Assessment Authority, Jharkhand

Nursery Complex, Near Dhurwa Bus Stand, Dhurwa, Ranchi, Jharkhand-834 004

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Letter No.-EC/SEIAA/2017-18/2068/2017/ 186

Ranchi, Date: 30.04.19

To,

Shri Ashok Gutgutia,
Managing Director,
M/s Burnpur Cement Ltd.,
Patratu Industrial Area, Patratu,
Dist – Ramgarh – 829119,
Jharkhand.

Corrigendum

Sub: Revision in extension of validity of Environmental Clearance for the project
“Integrated Cement Plant of M/s Burnpur Cement Ltd. at Village – Patratu
Industrial Area, Patratu, Ramgarh, Jharkhand” (Online proposal no.-
SIA/JH/IND/21810/2019).

Ref: 1. Extension of validity of Environmental Clearance letter no.-
EC/SEIAA/2017-18/2068/2017/261, Ranchi, Dated: 05.11.2018.

2. Your application no. BCL/Pat/Gen/19-20/555, dated – 11.04.2019.

Sir,

1. This is in continuation to extension of validity of Environmental Clearance issued by the State Level Environment Impact Assessment Authority (SEIAA), Jharkhand vide letter no.- EC/SEIAA/2017-18/2068/2017/261, Ranchi, Dated: 05.11.2018 and further reference to your application no.- BCL/Pat/Gen/19-20/555, dated – 11.04.2019 requesting for corrigendum with regard to Environmental Clearance letter number of Ministry of Environment, Forest and Climate Change, Govt. of India alongwith the validity period mentioned in current Environmental Clearance letter issued by SEIAA, Jharkhand.

2. Your request has been examined by the State Level Environment Impact Assessment Authority (SEIAA), Jharkhand based on the office record, it is noted that it was a typographical error and the undersigned is directs that the extension of validity of Environmental Clearance issued by this office vide letter no.- EC/SEIAA/2017-18/2068/2017/261, Ranchi, Dated: 05.11.2018 should be read as,

Sl. No.	Typographical errors in extension of validity of Environmental Clearance issued vide letter no.- EC/SEIAA/2017-18/2068/2017/261, Ranchi, Dated: 05.11.2018.	Should be read the Extension of validity of Environmental Clearance letter no.- EC/SEIAA/2017-18/2068/2017/261, Ranchi, Dated – 05.11.2018.
1.	2.	3.
1.	<u>In para no.- 1 and 5</u> MoEF & CC Environmental Clearance letter no.- F.No- J-11011/45/2009- IA II (I), dated - 30 th December, 2018.	MoEF & CC Environmental Clearance letter no.- F.No- J-11011/45/2009- IA II (I),

		dated - 30 th December, 2010.
2.	In para no.- 4 Extend the validity period of EC till 29.12.2018.	Extend the validity period of EC till 29.12.2020 .

3. All other terms and conditions has mentioned in letter no.- F.No - J-11011/45/2009- IA II (I), dated - 30th December, 2010 and letter no.- EC/SEIAA/2017-18/2068/2017/261, Ranchi, Dated: 05.11.2018 shall remain the same.

4. The letter issued by this office vide letter no.- EC/SEIAA/2017-18/2068/2017/261, Ranchi, Dated: 05.11.2018 has been modified/amended to such extent.

Yours Sincerely,



Member Secretary
State Level Environment Impact
Assessment Authority, Jharkhand