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

To,

The Director JABALPUR CEMENT INDUSTRIES PVT. LIMITED Piyush Traders, Katangi Road Karmeta, Jabalpur, MP -482002

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/MP/IND/73536/2021 dated 14 Mar 2022. The particulars of the environmental clearance granted to the project are as below.

1. EC Identification No. EC22B009MP137578 2. File No. 8232/2021 3. **Project Type** New 4. Category

5. Project/Activity including 3(b) Cement plants Schedule No.

Clinker Grinding Unit 500 TPD 6. Name of Project 7. Name of Company/Organization JABALPUR CEMENT INDUSTRIES PVT, LIMITED

Madhya Pradesh 8. **Location of Project TOR Date** 03 Jun 2021 9.

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

(e-signed) Shriman Shukla Date: 29/04/2022 **Member Secretary** SEIAA - (Madhya Pradesh)

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

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Ref:Proposal No.SIA/MP/IND/73536/2021,Case No 8232/2021:Prior Environment Clearance for Clinker Grinding Unit (500 TPD) project at Khasra no 297/1, 297/2, 298/2, 300, 301/1, 301/2, 302, 303, 309, 306, 308, 318, 319/1, 319/2, 320, Total area - 40468.60 sq.m., Village - Jogihana, Tehsil - Bargi, Dist. Jabalpur, (MP) Production capacity:500 TPD by M/s Jabalpur Cement Industries Pvt. Ltd, Katangi Road, Karmata, Dist. Jabalpur, MP- 482002 Email: jabalpurcementindustries@gmail.comPh: 761-4014127 Envt. Consultant: Creative Enviro Services, Bhopal

With reference to the above, the proposal has been appraised as per prescribed procedure & provisions under the EIA notification issued by the Ministry of Environment & Forests vide S.O. 1533 (E), dated 14th September 2006 and its amendments, on the basis of the mandatory documents enclosed with the application viz., Form 2, pre-feasibility report, ppt. and additional clarifications furnished in response to observations by the State Expert Appraisal Committee (SEAC) and State Environment Impact Assessment Authority (SEIAA) constituted by the competent Authority.

i. The clinker grinding unit (CGU) (500 TPD) of Jalabalpur Cement Industries pvt Limited (JCIPL) is proposed at Village-Jogidhana, Tehsil-Bargi, Dist-Jabalpur, MP. The proposed clinker grinding unit for manufacturing of Portland Pozzolana Cement & Ordinary Portland Cement with the utilization of fly ash from thermal power plant in the nearby region.

ii. The case was discussed in SEAC meetings 487th SEAC meeting dated 05.03.21 wherein ToR was recommended and TOR issued on 03.06.21. Accordingly EIA report submitted by PP forwarded to SEAC on15.03.2022. After submission of EIA report the case was considered in 561st SEAC meeting dated 21.03.22 and recommended for EC.

iii. There is no National park / Sanctuaries, Eco-sensitive areas (DFO, Jabalpur letter dtd 20.11.21) critically polluted areas and inter-State boundaries (PWD letter dated 21.01.21 within 10 km of the proposed site, and hence, general conditions are not attracted as per EIA Notification 2006.

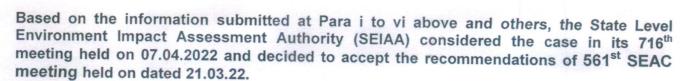
iv. Public hearing was conducted on 29th January 2022 on proposed site at village Jogidhana, Tehsil BargiDist Jabalpur (MP) under the chairmanship of District Collector Jabalpur. Some issues regarding, air pollution control measures, environment pollution, employment to local people and provision for water supply raised during the Public Hearing which were addressed by PP.

v. The proposed project is covered under 5 (f) category (B) of the schedule of EIA Notification issued by the Ministry of Environment & Forests vide S.O.1533 (E), dtd. 14.09.2006 and its amendments, hence is required to obtain prior EC.

vi. The case was scheduled for discussion by the authority. Brief features of the case are as under :

S. No.	Particulars	Details	
1	Project	500 TPD of Grinding unit	
2	Category of the project	As per EIA Notification 2006 as amended from time to time the project falls under the schedule 1, S. No. 3(b) (Stand alone Grinding Unit) in Category 'B'.	
3	Location Details	located at Khasara no 297/1, 297/2, 298/2, 300, 301/1, 301/2, 302, 303, 309, 306, 308, 318, 319/1, 319/2, 320, Village - Jogihana, Tehsil - Bargi, DIst. Jabalpur, (MP)	
400	Toposheet No.	55M/16	
	Geographical Co ordinate	23°1'42.97"N to 23°1'55.84"N 79°53'34.20"E to 79°53'43.48"E	
4	Area Details	Total area - 40468.60 sq.m.	
	Built up Area	7500(process area) sq.m.	
	Raw Material Storage	3780 sq.m.	
	Green Belt	14000 sq.m.	

	0		
	Open Land	188sq.m.	
5	Total Power requirement for process		
6	Source of Power	M.P. Power Transmission Company Limited	
7	Raw material required	Clinker-325 TPD, Gypsum-180 TPD and Flyash -25 TPD	
8	Water Requirement 8 source	16 KLD & Tanker	
9	Waste water generation & management	Water will be sourced through tanker Water Supply. Water requirement during dry process in cement plant is mostly for cooling. Cooling towers with proper cycles of concentration ensure recycle. The waste water generated from grinding unit shall be treated in the treatment plant of 5KLD. The treated water shall be utilized for green belt development and dust suppression	
10	Solid waste management		
11	Major Plants / Equipment	Grinding mill, Classifier, Packing Machine	
12	Capacity of Cement Mill	25TPH PPC	
13	Process Technology	Ball mill with high efficiency classifier	
14	Pollution contro equipment	Bag filter	
15	Level of particulate Matter after APCE	30 mg/Nm3	
16	Cost of Pollution Contro Equipments		
17	Number of employmen generation	140 direct employment	
18	Project cost	Rs. 42:21 Crore	
19	Capital Cost fo Environment Measures	Rs 1014 Lacs	
20	Recurring cost fo Environment Measures	Rs 97.30 Lacs	
21	CER Activities with budgetary provision o Rs. 50 lakh	Under CER activities PP has proposed Health awareness progarmmeInfrastructure facility in school, Adaptation of Anganwadi, Provision of essential facility like utensil, fans, mattresses, clothes other house hold facilities in consultation with the operator of old age	



home for needful requirement.

Hence, Prior Environmental Clearance is accorded under the provisions of ElANotification dtd. 14th September 2006 & its amendments to the proposedClinker Grinding Unit (500 TPD) project at Khasra no 297/1, 297/2, 298/2, 300, 301/1, 301/2, 302, 303, 309, 306, 308, 318, 319/1, 319/2, 320, Total area - 40468.60 sq.m., Village - Jogihana, Tehsil - Bargi, Dist. Jabalpur, (MP) Production capacity: by M/s Jabalpur Cement Industries Pvt. Ltd,



KatangiRoad, Karmata, Dist.Jabalpur, MP- 482002subject to the compliance of the Standard Conditions and the following additional Specific Conditions as recommended by SEIAA & SEAC in its meetings.

A. Specific Conditions as recommended by SEIAA

- 1. Groundwater shall not be extracted without permission of competent authority i.e. Central Ground Water Board
- 2. Clinker manufacturing is not permitted under this environmental clearance.
- 3. Transportation of fly ash to the plant should be brought through covered vehicles and stored in silo without any air pollution at transfer point.
- 4. Regular water sprinkling should be done on the roads inside the plant and other high potential areas to control the fugitive dust emission.
- 5. All the treated waste water shall be recycled and reused in the processor for dust suppression and green belt development. No process waste water shall be discharged outside the factory premises and 'zero' discharge should be adopted.
- 6. PP should construct settling tank after proper filter media for rain water harvesting.
- 7. PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures and energy efficient equipments.
- 8. All parking areas of trucks for transportation of raw material and finished products should be properly paved and concreted to reduce dust pollution. The service road & staff road should be developed separately.
- 9. Proper parking bays for control of traffic movement within the plant area and plantation should be done on the parking bays.
- 10. Proper Parking facility should be provided for employees & transport used for collection & disposal of waste materials.
- 11. PP must ensure to develop area of 14000 sq.m.by planting of 10500 trees. PP will make sure to have a green belt all around the periphery of plant area. The plants should be 3 years old.
- 12. Necessary provision shall be made for fire-fighting facilities within the complex.
- 13. PP should ensure to implement CER activities as per local villagers needs and should consult District administration for implementation of the CER activities (as proposed) for which budgetary provision of Rs. 50 lakh has been made.
- 14. The inputs given by the participants during Public hearing should be properly redressed. All the promises and assurances made during the public hearing shall be fulfilled completely by the Project proponent

B. Specific Conditions as recommended by SEAC

I Statutory Compliance

- i. The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the Madhya Pradesh Pollution Control Board (MPPCB).
- ii. The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.
- iii. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.



Il Air quality monitoring and preservation

i. The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to MPPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.

ii. The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.

iii. To control source and the fugitive emissions, suitable pollution control devices shall be installed to meet the prescribed norms and/or the NAAQS. The gaseous emissions from the boiler, DG set and scrubber shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines as follows:

iv. Storage of raw materials, chemicals etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.

v. The DG sets shall be equipped with suitable pollution control devices and the adequate stack height so that the emissions are in conformity with the extant regulations and the guidelines in this regard.

vi. National Emission Standards for Organic Chemicals Manufacturing Industry issued by the Ministry vide G.S.R. 608(E) dated 21st July, 2010 and amended from time to time shall be

vii. The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 161h November, 2009 shall be complied with.

III Water quality monitoring and preservation

- i. As already committed by the project proponent Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.
- ii. Domestic effluent shall be treated in septic tank and soak pit system.
- iii. Adhere to 'Zero Liquid Discharge and No industrial effluent from the unit shall be discharged outside the plant premises. PP should also install Internet Protocol PTZ camera with night vision facility along with minimum 05X zoom and data connectivity must be provided to the MPPCB's server for remote operations.
- iv. The effluent discharge (if any) shall conform to the standards prescribed under the Environment (Protection) Rules, 1986, or as specified by the Madhya Pradesh Control Board while granting Consent under the Air/Water Act, whichever is more stringent.
- v. Total fresh water requirement shall not exceed 15 KLD and Tanker water supply shall be used . In case ground water is used, the permission from CGWA shall be obtained.
- vi. Any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharged through a separate conveyance system.
- vii. The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plant.
- viii. Dedicated power supply shall be ensured for uninterrupted operations of treatment systems.

IV Noise monitoring and prevention

- i. Acoustic enclosure shall be provided to DG sets for controlling the noise pollution.
- ii. 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.
- iii. The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70 dB(A) during night time.

V Energy Conservation Measures

- The energy sources for lighting purposes shall preferably be LED based.
- ii. The total power requirements for project will be 2.25 MW. The power will be supplied by Madhya Pradesh Electricity Board.



VI Waste management

- i. Hazardous wastes such as used oil, used resin from cooling tower etc from the manufacturing plants shall be directly sent to CTSDF, Dhar.
- ii. The Fly ash shall be transported through bulkers / closed containers and should comply with Fly Ash Utilization Notification, 1999 and as amended subsequently.
- iii. In order to have appropriate measures to prevent percolation of spills, leaks etc. to the soil and ground water, the storage area should be provided with concrete floor of inert material or steel sheet depending on the characteristics of waste handled and the floor must be structurally sound and chemically compatible with wastes.
- iv. Measures should be taken to prevent entry of runoff into the storage area. The Storage area shall be designed in such a way that the floor level is at least 150 mm above the maximum flood level.
- v. The storage area floor should be provided with secondary containment such as proper slopes as well as collection pit so as to collect wash water and the leakages/spills etc.
- vi. Storage areas should be provided with adequate number of spill kits at suitable locations. The spill kits should be provided with compatible sorbent material in adequate quantity.
- vii. Proper firefighting arrangements in consultation with the fire department should be provided against fire incident.
- viii. Log-books shall be maintained for disposal of all types hazardous wastes and shall be submitted with the compliance report.

VII Green Belt

i. The green belt of 5-10 m width shall be developed over 14000 sqmtrs with 10,500 number of plants within and periphery of plant (1200 mtrs), in downward wind direction and along road sides etc as followe:

Description	Qty.
Neem, Gulmohar, Sita Ashok, Khamer, Karnaj, PutranJeeva, Jack Fruit, Awala, Amaltash, Ficus Species, Moleshree, Satparni, Ashoka Tree, KanakChampa, Jamun, and Other Local Species (Row to Row distance: 2.5 mt)Plant to Row Plant: 2.5 mt. Pit Digging: 60 cm	3500 + 1000 in North West direction of Plant
Karanj, Chirol, JangalJalibi, PutranJeeva, Neem, Sissoo, Molshree and other local species	2000
Along with the boundary of the Grinnding-unit	4000
Total	10500

- ii. Selection of plant species shall be as per the CPCB guide lines in consultation with the State Forest Department.
- iii. Peripheral plantation all around the project boundary shall be carried out using tall saplings of minimum 2 meters height of species which are fast growing with thick canopy cover preferably of perennial green nature. As proposed 2000 no of plants shall be distributed to villagers. PP will also make necessary arrangements for the causality replacement and maintenance of the plants

VIII Safety, Public hearing and Human health issues

- i. Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- ii. The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
- iii. The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.

- iv. Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- v. 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, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- vi. Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.
- vii. There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.

IX Corporate Environment Responsibility

- i. The company shall have a well laid down environmental policy duly approve by the Board of Directors. The environmental policy should prescribe for standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental/ forest/ wildlife norms/ conditions. The company shall have defined system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and or shareholders /stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report.
- ii. A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- iii. The proposed CER cost will be 50 lacs which will be incurred on skill training development programme as follows:

SN	Plan	Area of Activity	Budgetary
1	Health awareness progarmme twice in year (Rs 50,000/-) for selected villages for one time		(Rs in lacs) Rs 10 Lacs
2	Adaptation of school with provision of furniture (50 table and chairs in each class room, Fans at each rooms, Library, Up gradation of toilets (4 for girls and 04 for boys), Drinking water facility (RO) - 04 numbers), sport ground, and boundary wall	Jogidhana	Rs 15 Lacs
3	Adaptation of Anganwadi	Adaptation of Anganwadi for 1 yr for supply of food and milk at Jogidhana	Rs 5 Lacs
	Provision of essential facility like utensil, fans, mattresses, clothes other house hold facilities in consultation with the operator of old age home for needful requirement	Old age homes located at Jabalpur etc	Rs 10 Lcas
5	Contribution towards wild life issues	Fund allocation for Kanha National Park towards wild life activity in consultation with Director/ DFO of National Park	Rs 5 Lacs
5	Need Based Requirement	In consideration with local gram panchayat	Rs 5 Lacs
	Total		Rs 50 Lacs

- iv. The proposed EMP cost is Rs. 1020 Lakhs as capital and 100.70 Lakhs /year as recurring cost.
- v. Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.
- vi. Self environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.

X. Miscellaneous

- PP shall be responsible for discrepancy (if any) in the submissions made by the PP to SEAC & SEIAA.
- ii. The project authorities must strictly adhere to the stipulations made by the MP Pollution Control Board and the State Government.
- iii. The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also that during their presentation to the Expert Appraisal Committee.
- iv. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MoEF&CC).
- v. 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 and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India/ High Courts and any other Court of Law relating to the subject matter.

Standard Conditions: *

- Regular monitoring of influent and effluent, surface, sub-surface and ground water should be ensured and treated waste water should meet the norms prescribed by the MPPCB or described under the Environment (Protection) Act, 1986 whichever are more stringent.
- Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.
- 3. The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF& CC, GoI, and its Regional Office, Bhopal.
- 4. A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies (Panchayat and Municipal Bodies), District Collector and DFO as applicable and responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.
- 5. The Project Proponent shall 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 also at web site of the MoEF& CC, GoI and State Level Environment Impact Assessment Authority (SEIAA) at www.enviornmentclearance.nic.in& www.mpseiaa.nic.in & and a copy of the same shall be forwarded to the Regional Office, MoEF& CC, GoI, Bhopal.



- 6. Full Cooperation should be extended to the Officers and staff from the Ministry and its Regional Office at Bhopal / the CPCB / the SPCB during monitoring of the project.
- 7. Concealing factual data or submission of false/fabricated data and 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.
- 8. The prior Environmental Clearance granted for the project is valid for a period of seven years as per EIA notification dtd. 14.09.2006 &its amendments.
- 9. Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- 10. The Project Proponent has to upload soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1st June and 1st December of each calendar year on MoEF& CC web portal - http://www.environmentclearance.nic.in/ orhttp://www.efclearance.nic.in/ and submit hard copy of compliance report of the stipulated prior environmental clearance terms and conditions to the Regulatory Authority also
- 11. 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 along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF& CC, Gol.
- 12. The 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 start of the project.

(Shriman Shukla) Member Secretary

Copy to:-

- Principal (1). Secretary, Department of Environment. Government MP. MantralayaVallabhBhawan, Bhopal.
- Member Secretary, SEAC, Research and Development Wing Madhya Pradesh Pollution (2).Control Board, ParyavaranParisar, E-5, Arera Colony Bhopal-462016.
- Member Secretary, Madhya Pradesh Pollution Control Board, ParyavaranParisar, E-5, Arera Colony, Bhopal-462016.
- The Collector, Distt-Jabalpur(M.P.). (4).
- Director, I.A. Division, Monitoring Cell, MoEF, Gol, Ministry of Environment & Forest Indira ParyavaranBhawan, JorBagh Road, New Delhi - 110 003
- Director (S). Regional office of the MOEF, (Western Region). KendriyaParyavaranBhawan, Link Road No. 3, Ravi Shankar Nagar, Bhopal-462016.

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(Alok Nayak) Officer-in-Charge