



NI - 46/Raigarh/25
Dated 07/03/2025

CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

Paryavas Bhawan, Sector - 19, Nava Raipur Atal Nagar,

District - Raipur (C.G.) 492002

E-mail - hocecb@gmail.com

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No. **11629/TS/CECB/2025**

Nava Raipur Atal Nagar, dated: **07/03/2025**

To,

M/s Jindal Panther Cement Private Limited,
Village-Kosampali, Barmuda,
Dhanagar, Saraipali,
Tehsil and District - Raigarh (C.G.)

Sub: "Permission to Establish" for Integrated Cement Plant (Clinker – 2.5 MTPA, Cement - 2.5 MTPA, WHRS -12 MW and DG Set - 500 KVA) at Village-Kosampali, Barmuda, Dhanagar, Saraipali, Tehsil and District - Raigarh (C.G.).

- Ref: - 1. Environmental Clearance issued by Ministry of Environment, Forest and Climate Change, Government of India, New Delhi vide EC Identification No. – EC23A1101CG5633249N, File No. J-11011/92/2022-IA-II(IND-I), dated: 20/12/2024.
2. Your online application dated: 12/08/2024 and subsequent correspondence ending dated: 05/02/2025 (online application no. 16421590).

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Without prejudice to the powers of this Board under the Water (Prevention and Control of Pollution) Act, 1974, and the Air (Prevention and Control of Pollution) Act, 1981 and without reducing your responsibilities under the said Act, and after going through your proposal for achieving the effluent and gaseous emission standards, it is to inform you that this Board grants you permission only for Integrated Cement Plant (Clinker – 2.5 MTPA, Cement - 2.5 MTPA, WHRS -12 MW and DG Set - 500 KVA) at Village-Kosampali, Barmuda, Dhanagar, Saraipali, Tehsil and District - Raigarh (C.G.), subject to fulfillment of the terms and conditions mentioned below.

Terms & Conditions: -

1. Industry shall comply all the terms & conditions stipulated in the environmental clearance issued by Ministry of Environment, Forest and Climate Change, Government of India, New Delhi vide EC Identification No. – EC23A1101CG5633249N, File No. J-11011/92/2022-IA-II(IND-I), dated: 20/12/2024.

2. Industry shall provide adequate facility for proper treatment of industrial and domestic effluent before commissioning of the plant. Industry shall ensure the treated effluent quality within the standard prescribed by Board published in Gazette notification Dated 25/03/1988 or prescribed by Ministry of Environment, Forest and Climate Change, Government of India (which ever stringent). Chhattisgarh Environment Conservation Board may further stipulate stringent limit depending upon environmental conditions. Industry shall also follow the standards prescribed by Ministry of Environment, Forests and Climate Change, Government of India regarding water consumption, storm water arrangement (as applicable) for cement plant and power plant.
3. 24x7 Continuous Effluent Quality Monitoring System shall be installed to monitor the standards with respect to Environment (Protection) Rules, 1986 as amended and shall be connected to SPCB/CPCB server.
4. Industry shall not discharge any liquid effluent what so ever generated from various processes, sewage / sludge, effluent treatment plant etc. into the river or any surface water bodies. The effluent generated from various units shall be properly treated, recycled and reused in the process for cooling, dust suppression and horticulture etc. within plant premises. Industry shall make proper arrangements of suitable drains / pipe networks to ensure adequate flow for full utilization of treated effluent inside the premises. The concept of zero discharge shall be adopted by the industry.
5. Industry shall not use ground water without permission of CGWA/ Competent Authority for industrial activities. Industry shall use harvested rainwater for industrial purpose as maximum as possible.
6. Industry shall install separate digital meter for measurement of ground & surface water used.
7. Industry shall submit appraisal report for usage of water from competent authority.
8. Industry shall ensure maximum reuse of non-potable water.
9. The water for the project will be sourced from Mahanadi River at Balpur for which permission has been obtained from WRD.
10. Industry shall provide adequate pollution control arrangements at all points and non point sources of air pollutants. Industry shall provide Electrostatic Precipitator for clinker kiln, bag filters for cement mill, raw mill, coal mill with dust collection system for grinding unit, transfer points etc. to control particulate emissions from the stack less than 30 mg/Nm³. Industry shall ensure these air pollution control systems always running and in good working order all the time. In case of any failure it shall be immediately rectified of same alternate arrangement be made. Chhattisgarh Environment Conservation Board may further stringent particulate matter emission limit depending upon environmental conditions.
11. Industry shall comply with the emission norms to all unit processes as per the notifications MoEF&CC /directions from CPCB issued from time to time for the integrated cement plant.

12. In plant control measures for checking fugitive emissions from all the vulnerable sources like spillage / raw materials / solid wastes handling areas, cement bags loading areas, other loading & unloading areas etc. shall be provided. All transfer points / junction points and conveying system shall be covered. All transfer points / junction points, conveying system, loading and unloading areas shall also have efficient dust control arrangements such as dust suppression system / dust extraction system with bag filter. Further, specific measures like provision of dust suppression system consisting of fog / chemical type water sprinkling, suction hoods, fans and bag filters etc. shall be installed at materials transfer points and other enclosed raw materials and cement bags handling / storage areas etc. Vehicle mounted water spraying tankers shall be provided to spray / sprinkle water on roads and other dust generating points / areas. Data on fugitive emissions shall be regularly monitored and records maintained.
13. Industry shall comply with standard operating procedure (for properly covering vehicles engaged in transportation work) issued by CECB vide order dated 26.06.2024. Industry shall also complete all required arrangement as per SOP by 01.08.2024. Industry shall ensure transportation of dust generating raw material / product by mechanically covered vehicle after 12/07/2025.
14. The ambient air quality within the factory premises shall be maintained within the standards prescribed by Board.
15. Low sulphur diesel type diesel generator set(s) shall be used during construction/operation phase. Diesel generator sets during construction/operation phase shall have acoustic enclosures and shall conform to Environment (Protection) Rules, 1986 prescribed for air and noise emission standards. Height of stack attached with diesel generator set(s) shall be as per MoEF&CC/CPCB norms.
16. Industry shall ensure the ground level concentration of pollutants such as particulate matter (PM_{2.5} and PM₁₀), Sulphur Dioxide, Oxides of Nitrogen etc. in ambient air in the nearby residential, rural and other areas including the areas where maximum ground level concentration are predicted (due to establishment / commissioning of the plant) within prescribed limits.
17. Secondary fugitive emissions from all the sources shall be controlled within the latest permissible limits issued by Ministry of Environment, Forest and Climate Change, Government of India / Central Pollution Control Board and regularly monitored. Guidelines / Code of Practice issued by Central Pollution Control Board shall be followed.
18. The height of all stacks attached with various particulate matter / air pollutants emission units shall be maximum of the following: -
 - a. Based on guidelines of Ministry of Environment, Forest and Climate Change, Government of India / Central Pollution Control Board.
 - b. Minimum height of stacks not be less than 30 meters.

Minimum height of other stack shall not be less than 30 meters. Adequate arrangement of stack monitoring such as easy ladder, platform and porthole shall be provided for all the stacks.

19. Reduction in fugitive emissions due to transportation (which contribute the air pollutants such as particulate matter (PM_{2.5} and PM₁₀) in ambient air in the nearby residential, rural and other areas) of raw material, finished products and solid wastes shall be done in the existing transport system by adopting appropriate measures and infrastructure development.
20. All raw materials / product etc. shall be stored above ground level with pucca platform in closed roof covered shed fitted with wind breakers / shields or silos. Adequate measures shall be taken to ensure that the stored materials do not catch fire. Industry shall provide safe and scientific arrangement for handling, storage, utilization and disposal of all solid wastes such as; ash and dust collected in air pollution control devices, etc. Waste oil shall be sold to authorized recyclers / re-processors only.
21. As per characterization report, if any waste comes under the preview of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, Industry shall obtain letter of authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 from the Board.
22. Industry shall install 24x7 continuous emission monitoring system at all process stacks to monitor stack emission with respect to standards prescribed by Ministry of Environment, Forest and Climate Change, Government of India. Calibration and validation of data shall be carried out of all CEMS/CAAQMS and industry shall ensure availability of real time data in CECB / CPCB server. Industry shall install 04 nos. of CAAQMS to carryout continuous ambient air quality monitoring for common / criterion parameters relevant to the main pollutants released within and outside the plant area (one within and three outside the plant area at an angle of 120° each) covering upwind and downwind directions.
23. Industry shall provide proper arrangement to control the noise pollution. Industry shall install appropriate noise barriers / control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation to control the noise. The noise level shall not exceed the limit 75 dB(A) during the day time and 70 dB(A) during the night time within the plant premises. Adequate measures shall be taken for control of noise levels below 85 dB(A) in the work environment.
24. Industry shall install separate electric metering arrangements with interlocking system for the running of pollution control device(s). These arrangements shall be made in such a fashion that any non-functioning of pollution control device(s) shall immediately stop the electric supply to the production unit / raw materials / fuel(s) supply and shall remain tripped till the pollution control device / devices are made functional again / rectified to achieve the desired efficiency. The record & log book of electricity and chemical consumption for running the pollution control equipments shall be maintained & submitted to Board every month.
25. All internal roads shall be pucca (either of TAR or Cement) before commissioning of plant and avenue plantation shall be developed before commissioning of plant.
26. The raw material and finished product shall be stored in adequate capacity RCC silos and shall be loaded/unloaded pneumatically.

27. Cement mill, packing plant, silos / storage areas etc. shall be RCC floored. Good housekeeping practices shall be adopted by the industry. The roads shall be regularly cleaned with mechanical sweepers. Facilities for parking of trucks shall be created within the unit.
28. Industry shall ensure maximum transportation of goods / raw material by own railway siding.
29. Garland drains with appropriate check dams shall be provided all along the raw materials, coal / fuels, solid wastes such as; coal fines, ash, air pollution control system returns and dust collected in air pollution control devices etc. storage areas etc. to avoid any possibility of erosion (wash-off) during rain. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains. The surface run-off shall be de-silted through a series of check dams and drains before re-use.
30. 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. Industry shall adopt rainwater-harvesting technique in the project area and residential area (if any) for recharge of ground water before commissioning of the plant. The rain harvesting technique shall be incorporated right from the design stage of all structures.
31. Industry shall adopt rainwater-harvesting technique in the project area and residential area (if any) for recharge of ground water. Industry shall develop rainwater-harvesting structures and reservoirs / ponds to completely harvesting the rainwater of premises before commissioning of the plant. Industry shall ensure recharging of ground water by rainwater harvesting of at-least double the quantity of water use by them in the production process and which shall be done within the premises.
32. Three tier Green Belt shall be developed in at-least 33% of the project area, in a period of 2 years, of adequate width and tree density shall not be less than 2500 per ha. Survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years. PP shall develop greenbelt in the form of shelter belt comprising of 18 meter width with tall trees & broad leaves all along the boundary with thick canopy towards Kosampali village. Industry shall abide by the decisions taken by Ministry of Environment, Forest and Climate Change, Government of India / Central Government / Central Pollution Control Board from time to time in this regard.
33. Construction / up gradation of effluent treatment plant and installation / up gradation of air pollution control equipments shall be taken up simultaneously with other civil / mechanical works. Industry shall provide adequate measures to control water and air pollution during the constructions.
34. Industry shall provide housing for 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. The effluent from construction labour houses

shall be treated properly and no effluent shall be discharged out side of the premises.

35. Industry shall establish an environmental management cell to carryout function relating to environmental management under the supervision of senior executive who will directly report to the head of organization. A full-fledged laboratory with qualified technical / scientific staff shall be provided to monitor the influent / effluent quality, ground water quality, storm water / runoff quality, surface water quality, soil quality, ambient air quality, stack emission and environmental samples etc.
36. Necessary fund shall be provided for implementation of the above conditions, conditions to be incorporated in the 'consent to operate' of the Board and for environmental safeguards.
37. Industry shall obtain all necessary statutory clearances / licenses / permissions from concerned Central Government / State Government Departments, Boards, Bodies and Corporations etc. before start of construction / establishment of the plant. Industry shall follow direction issued by Central Government / State Government, Central Pollution Control Board / Chhattisgarh Environment Conservation Board from time to time regarding control of water & air pollution and for environmental conservation.
38. Industry shall not claim any right on the basis of the "Permission to Establish" granted of the Board. The issuance of this permission does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.
39. Industry shall follow any other conditions given at the time of grant of consent under the Water (Prevention & Control of Pollution) Act, 1974 and the Air (Prevention & Control of Pollution) Act, 1981.
40. Any change in production capacity, process, raw materials / fuel used, project profile etc. shall be intimated to the Board and prior permission of the Board shall be obtained for the same.
41. This permission to establish shall be valid for the period of five years effective from the date of issue of this letter or up to validity of environmental clearance (which ever will be earlier). This permission to establish shall be treated as cancelled in case; no construction activity has been started on the site regarding establishment of the industry during this period. Chhattisgarh Environment Conservation Board reserves the right to extend the validity period / not to extend the validity period / cancel / withdraw the permission to establish of the industry, based on the construction activities carried out on the site regarding establishment of the industry.
42. Board reserves the right to amend / cancel any of the above conditions, stringent the emission / effluent limits stipulated above and add new conditions as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.

The consent (for operation) as required under the Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 shall be granted to your industry after fulfillment of all the conditions mentioned above. For this purpose you shall have to make an application to this Board in the prescribed Performa at least two months before the expected date of commissioning. The applicant shall not without valid consent (for operation) of the Board bring into use any out let for the discharge of effluent and particulate matter/gaseous emission.

For & on behalf of
Chhattisgarh Environment Conservation Board

Member Secretary
Chhattisgarh Environment Conservation Board
Nava Raipur Atal Nagar, District - Raipur (C.G.)

Endt. No. **11630/TS/CECB/2025**

Nava Raipur Atal Nagar, dated: **07/03/2025**

Copy to: -

1. Chief Engineer, M/s Chhattisgarh State Power Generation Company Ltd. (Formerly known as Chhattisgarh State Electricity Board), Raigarh for information and necessary action please. The power supply to the unit shall be released only after submission of the copy of "**Consent to Operate**" issued by Chhattisgarh Environment Conservation Board.
2. Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Raigarh (C.G.). Please ensure compliance and report, if any condition/conditions are violated by the industry.

Sd/-
Member Secretary
Chhattisgarh Environment Conservation Board
Nava Raipur Atal Nagar, District - Raipur (C.G.)