



File No: IA-J-11011/92/2022-IA-II(IND-I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 20/12/2024



To,

M/s. JINDAL PANTHER CEMENT PRIVATE LIMITED
DSM 648, 6TH FLOOR, DLF Tower, Shivaji Marg, Najafgarh Road, Moti Nagar, Delhi , Moti Nagar,
NEW DELHI, DELHI, , 110015
E-mail: cementproject@jindalpanther.com

Subject: Proposed Integrated Cement Plant: Clinker - 2.5 MTPA, Cement - 2.5 MPTA, WHRS - 12 MW and D. G. Set - 500 KVA by M/s. Jindal Panther Cement Pvt. Ltd, located at Villages: Kosampali, Barmuda, Dhanagar and Saraipali, Tehsil & District: Raigarh, Chhattisgarh- Consideration of EC. - Reg.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/CG/IND1/455286/2023 dated 12/04/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A1101CG5633249N
(ii) File No.	IA-J-11011/92/2022-IA-II(IND-I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	3(b) Cement plants
(vi) Sector	Industrial Projects - 1
(vii) Name of Project	Proposed Integrated Cement Project: Clinker – 2.5 MTPA, Cement: 2.5 MTPA, WHRS: 12 MW and DG set: 500 KVA at Villages: Kosampali, Barmuda, Dhanagar and Saraipali, Tehsil & District: Raigarh (Chhattisgarh)
(viii) Name of Company/Organization	JINDAL PANTHER CEMENT PRIVATE LIMITED
(ix) Location of Project (District, State)	RAIGARH, CHHATTISGARH
(x) Issuing Authority	MoEF&CC
(xi) Applicability of General Conditions as per	No

EIA Notification, 2006

3. The proposed project activity is listed at S. No. 3(b) Cement Plants under Category “A” of the schedule of the EIA Notification, 2006 and appraised at Central Level.
4. The instant Proposal was initially considered by the EAC in its 66th meeting of the EAC for Industry-I sector held on 23rd – 25th September, 2024, wherein after detailed deliberations, the committee recommended the proposal for grant of Environment Clearance under the provisions of EIA Notification, 2006 subject to the stipulation of specific conditions and general conditions. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed at <https://parivesh.nic.in>.
5. The details of the proposal are as per the EIA/EMP report submitted by the proponent. The salient features of the proposal as presented during the above-mentioned meetings of EAC (Industry 1 Sector) are at **Annexure-II**.
6. The Unit configuration and capacity of the proposed project is at **Annexure-III**.
7. The EAC, in its 66th meeting held on 23rd – 25th September, 2024, inter-alia, deliberated the following:
- The instant proposal is for Integrated Cement Plant with capacity of Clinker 2.5 MTPA, Cement – 2.5 MPTA and WHRS - 12 MW.
 - The EAC, constituted under the provision of the EIA Notification, 2006 comprising Expert Members/domain experts in various fields, examined the proposal submitted by the Project Proponent in desired format along with EIA/EMP reports prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.
 - The EAC noted that the Project Proponent has given an undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the EIA/EMP reports. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.
 - The Committee noted that the EIA reports are in compliance of the ToR issued for the project, reflecting the present environmental status and the projected scenario for all the environmental components. The Committee deliberated on the proposed mitigation measure towards Air, Water, Noise and Soil pollutions. The Committee suggested that the storage of toxic/explosive raw materials/products shall be undertaken with utmost precautions and following the safety norms and best practices.
 - The EAC also took into consideration the drone survey of the project site and kml file on the Google Earth presented by the project proponent along with DSS of the project site on PARIVESH and made following deliberations accordingly.
 - The proposed project by Jindal Panther Cement Pvt. Ltd. (JPCPL) requires a total of 65.941 hectares of land, with 84.17% (55.506 hectares) already acquired by Jindal Steel & Power Ltd. (JSPL). This includes 38.85% as freehold private land, where the transfer process to JPCPL is completed, and 39.12% as leasehold government land, which has been transferred through the Chhattisgarh State Industrial Development Corporation (CSIDC), with the lease deed signed and registered. Additionally, 6.2% of the land is still in the process of transfer. The remaining 15.83% (10.435 hectares) comprises private, government, and revenue forest land. The acquisition of private land (9.66%) has received in-principle approval, with payments made toward land allotment. For government land (4.9%), the acquisition process has been initiated, with the company submitting the necessary No Objection Certificate (NOC). For revenue forest land (1.27%), Stage-I Forest Clearance has been granted, and the necessary payments for the forest diversion have been completed. The EAC deliberated on the submission of project proponent and is of the opinion that PP shall complete the acquisition of total proposed land in its name and conversion for industrial purpose prior to commencement of project.
 - The PP has reported that 0.836 ha forest land involved in the project and In-Principle approval (Stage-I Forest Clearance) has been granted vide letter dated 12.03.2024. The EAC opined that PP shall obtain the Stage-II FC from the MoEF&CC for the forest land involved in the project site.

viii. The proposed project involves acquisition of 6.372 hectares of private land currently in progress through the Government of Chhattisgarh. The Department of Commerce and Industries, Chhattisgarh, has granted in-principle approval for the acquisition, following the provisions of The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation, and Resettlement Act, 2013. There are no Project Displaced Families, but 64 Project Affected Persons whose land will be acquired. The compensation for the landowners will be determined by the Competent Authorities in accordance with the aforementioned act, and the company has committed to comply with the decision. The Committee advised PP to ensure transparent communication with the affected persons regarding the compensation process and timelines.

ix. Kosampali Village is located at a distance of 0.1 km in NE along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.

x. There is a first order stream is passing in the SE direction of the project site. PP has reported that NOC from the Water Resource Department has been taken vide letter No 1354/Work/NOC Jindal Panther/Raigarh dated 28.05.2024. Further there are three ponds located in the North of the project site along with several other water bodies within the study area of the project site. The EAC opined that water bodies shall not be disturbed. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.

xi. PP has reported that Limestone will be procured from Godadih Mahal No.2 limestone mine of Jindal Steel & Power Ltd and Open Market mines located in Godadih region.

xii. The water requirement for the proposed Project is estimated as 1000 KLD which will be sourced from Mahanadi River. The EAC is of the opinion that PP shall obtain necessary permission in this regard.

xiii. The Committee has deliberated on the baseline data along and incremental GLC due to the proposed project and noted that baseline data for PM10 and PM2.5 during baseline collection is recorded too high. The EAC opined that PP shall undertake stringent measures to minimise the levels of PM10 and PM2.5.

xiv. It is reported that there are total 17 schedule I species (*Felis chaus*, *Hyaena hyaena*, *Hystrix indica*, *Vulpes bengalensis*, *Geochelone elegans*, *Hemidactylus flaviviridis*, *Naja naja*, *Chamaeleo zeylenicus*, *Vipera russelii*, *Eryx johnii*, *Ptyas mucosa*, *Testudo elegans*, *Antigone Antigone*, *Bubo bengalensis*, *Gallus sonneratii*, *Pycnonotus jocosus*, *Tyto alba*) found in the study area. The PP further reported that Wildlife Conservation Plan for schedule I species has been prepared for an amount of Rs. 75 Lakh for 05 years and same has been submitted to DFO for approval on 30.01.2024. The EAC opined that recommendations of Wildlife Conservation Plan shall be strictly implement post approval.

xv. There are two court cases, one of which (WPC/2290/2011) has been dismissed by the Hon'ble High Court, while the second (WPC/6171/2011) is still pending before the Hon'ble High Court of Chhattisgarh, Bilaspur. The first case (WPC/2290/2011) was filed on the grounds that the petitioner's objections during the land acquisition process were not adequately considered, and the compensation was insufficient. This case was dismissed for want of prosecution, and a supporting document has been submitted. The second case (WPC/6171/2011) was filed by petitioners who claim they never received any notice under Sections 4, 6, or 9 of the Land Acquisition Act, thus preventing them from filing proper objections. They have challenged the legality of the land acquisition process and the relevant notifications under the aforementioned sections. The case remains sub-judice and is pending for a final hearing, with no stay order passed by the Hon'ble High Court. A supporting document has also been submitted.

xvi. The PP has submitted that greenbelt will be developed in 22.545 ha; which is about 34.19% of the total project area. Total no. of 56363 saplings will be planted and nurtured in 22.545 hectares in 3 years. The EAC deliberated on the greenbelt layout plan along with action plan and the budget earmarked and is of the opinion that greenbelt shall be completed in a period of 2 years.

xvii. The Committee also deliberated on the public hearing issues along with revised action plan submitted by the

proponent to address the issues raised during the public hearing and found it satisfactory.

xviii. The committee deliberated details of carbon foot prints and carbon sequestration study w.r.t. proposed project and found them to be satisfactory.

xix. The EAC also deliberated on the ADS reply of project proponent and found it satisfactory.

xx. The EAC deliberated on the proposal with due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC found the proposal in order and recommended for grant of environmental clearance.

xxi. The environmental clearance recommended to the project/activity is strictly under the provisions of the EIA Notification 2006 and its subsequent amendments. It does not tantamount/construe to approvals/consent/permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

xxii. The EAC also reviewed the EC conditions (specific and general) pertaining to Industry-I projects and observed that some of the specific conditions stipulated so far in the previously recommended EC projects are common and applicable to most of the projects in general. In view of the same, the General Conditions (in case of EC projects) have been revised through reallocation of these common conditions from specific to General Conditions (in case of EC projects). Accordingly, the instant project is also being stipulated with the modified General conditions.

8. The EAC (Industry-1 Sector), in its 66th meeting held on 23rd – 25th September, 2024, based on information & clarifications provided by the project proponent and after detailed deliberations **recommended** the proposal for grant of Environment Clearance subject to stipulation of specific and general EC conditions as detailed in the point below.

9. The MoEF&CC has examined the proposal in accordance with the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto and after accepting the recommendations of the Expert Appraisal Committee (Industry-1 Sector) hereby decided to grant **Environment Clearance for instant proposal of M/s Jindal Panther Cement Private Limited** under the provisions of EIA Notification, 2006 subject to the following specific conditions and general conditions (**Annexure-I**).

10. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

11. 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 the Environment (Protection) Act, 1986.

12. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

13. 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.

14. This issues with approval of the competent authority.

(Dinesh Runiwal)
Scientist 'F'/Director

Copy To

1. The Secretary, Govt..of Chhattisgarh, Department of Housing and Environment & Chairman, Chhattisgarh Environment Conservation Board, Room No- 0S/23, Mahanadi Bhawan, Nava Raipur Atal Nagar, Dist-Raipur, Chhattisgarh.
2. The Principal Chief Conservation of Forest (Wildlife & Biodiversity Conservation) cum Chief Wildlife Warden, Forest & Climate Change Department, Government of Chhattisgarh, Aranya Bhawan, North Block, Sector-19, Nava Raipur Atal Nagar, Chhattisgarh.
3. The Deputy Director General of Forests (C), Ministry of Environment, Forest and Climate Change, Sub Office – Raipur, Ground Floor, Aranya Bhawan, North Block, Sector- 19, Naya Raipur, Atal Nagar, Chhattisgarh – 492002.
4. The Chairman, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi-110032.
5. The Chairman, Chhattisgarh Environment Conservation Board, North Block Sector-19, Atal Nagar Dist- Raipur, Chhattisgarh-492001.
6. The Member Secretary, Central Ground Water Authority, A-2, W3, Curzon Road Barracks, K.G. Marg, New Delhi-110001.
7. The District Collector, Collectorate, Raigarh District, Chhattisgarh-492001.
8. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
9. Guard File/ Monitoring File/ Website/ Record File/ Parivesh Portal.

(Dinesh Runiwal)
Scientist 'F'/Director

Annexure 1

Specific EC Conditions for (Cement Plants)

1. Specific

S. No	EC Conditions
1.1	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.
1.2	The project proponent shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
1.3	The project proponent shall utilize modern technologies for capturing of carbon emitted and shall also develop carbon sink/carbon sequestration resources capable of capturing more than emitted. The implementation report shall be submitted to the IRO, MoEF&CC in this regard.
1.4	PP shall complete the acquisition of total proposed land in its name and conversion for industrial purpose prior to commencement of project.
1.5	The PP shall ensure the acquisition of the 6.372 hectares of private land in compliance with the

S. No	EC Conditions
	provisions of The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation, and Resettlement Act, 2013. The PP must transparently communicate with all 64 Project Affected Persons regarding compensation packages and timelines as determined by the Competent Authorities. The PP shall also adhere to any rehabilitation measures as per the Act and provide necessary support to the affected individuals to ensure smooth implementation of land acquisition, avoiding any disruptions to local communities.
1.6	PP shall obtain the Stage-II FC from the MoEF&CC for the forest land involved in the project site, and comply with the extant regulations/ court orders, as may be applicable to such projects.
1.7	Kosampali Village is located at a distance of 0.1 km in NE along with other sensitive areas within the study area of the project site. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. Proponent shall take appropriate environmental safeguard measures to minimise the impact on the habitation of the locals. The project proponent needs to strengthen green belt all around the plant area to reduce the dust pollution. The PP shall also include some of these locations in its environmental monitoring programme.
1.8	There is a first order stream is passing in the SE direction of the project site. Further there are three ponds located in the North of the project site along with several other water bodies within the study area of the project site. A robust and full proof Drainage Conservation scheme to protect the natural drainage and its flow parameters; along with Soil conservation scheme and multiple Erosion control measures shall be implemented.
1.9	PP shall undertake stringent measures to minimise the levels of PM10 and PM2.5.
1.10	The water requirement of 1000 KLD shall be sourced from Mahanadi River. PP shall obtain necessary permission from the Competent Authority.
1.11	Three tier Green Belt shall be developed in atleast 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 total of 6 rows of 2x2 m plantation with tall trees & broad leaves with thick canopy along with windshield inside the plant premises to act as green barrier for air pollution & noise levels towards sensitive areas nearby project site. Compliance status in this regard, shall be submitted to concerned Regional Office of the MoEF&CC.
1.12	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% greenbelt area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in)
1.13	All the commitments made towards socio-economic development of the nearby villages shall be satisfactorily implemented. The action plan based on the social impact assessment study of the project as per the EMP in accordance to the Ministry's OM dated 30.09.2020 amounting to Rs. 33.98 Crores shall be strictly implemented and progress shall be submitted to the Regional Office of MoEF&CC.
1.14	The project proponent shall undertake village adoption programme and prepare and implement the

S. No	EC Conditions
	action plan to develop them into a model village.
1.15	The recommendations of the approved Site-Specific Wildlife Management Plan shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.

Standard EC Conditions for (Cement plants)

1. Statutory Compliance

S. No	EC Conditions
1.1	The Environment Clearance (EC) granted to the project/ activity is strictly under the provisions of the EIA Notification, 2006 and its amendments issued from time to time. It does not tantamount/ construe to approvals/ consent/ permissions etc., required to be obtained or standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project.
1.2	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

2. Air Quality Monitoring And Preservation

S. No	EC Conditions
2.1	The project proponent shall install 24x7 continuous emission monitoring system at process stacks to monitor stack emission as well as 04 Nos. Continuous Ambient Air Quality Station (CAAQMS) for monitoring AAQ parameters with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time. The CEMS and CAAQMS shall be connected to SPCB and CPCB online servers and calibrate these systems from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.2	The project proponent shall carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM10 and PM2.5 in reference to PM emission, and SO2 and NOx in reference to SO2 and NOx emissions) within and outside the plant area (at least at four locations one within and three outside the plant area at an angle of 120° each), covering upwind and downwind directions.
2.3	The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
2.4	Sampling facility at process stacks and at quenching towers shall be provided as per CPCB guidelines for manual monitoring of emissions.
2.5	Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points

S. No	EC Conditions
	including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive emission standards.
2.6	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.
2.7	Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.
2.8	Ensure covered transportation and conveying of raw material to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying coal and other raw materials and cover them with tarpaulin.
2.9	The project proponent shall provide primary and secondary fume extraction system at all heat treatment furnaces.
2.10	Wind shelter fence and chemical spraying shall be provided on the raw material stock piles.
2.11	Design the ventilation system for adequate air changes as per prevailing norms for all tunnels, motor houses, Oil Cellars.
2.12	Pollution control system in the plant shall be provided as per the CREP Guidelines of CPCB.
2.13	The project proponent shall adopt the Clean Air practices like mechanical collectors, wet scrubbers, fabric filters (bag houses), electrostatic precipitators, combustion systems (thermal oxidizers), condensers, absorbers, adsorbers, and biological degradation. Controlling emissions related to transportation shall include emission controls on vehicles as well as use of cleaner fuels. Sufficient numbers of additional truck mounted Fog/Mist water cannons shall be procured and operated regularly inside the project premises and also in the surrounding villages to arrest suspended dust in the atmosphere.
2.14	Bag filters shall be cleaned regularly and efficiency of bag filter system shall be monitored at regular intervals.
2.15	Water Sprinklers/Water mist system shall be installed near raw material yards, operational units and other strategic locations to control fugitive emissions from the plant.
2.16	The particulate matter emissions from the process stacks shall be less than 30 mg/Nm ³ and measures shall be undertaken as per the submitted action plan. Efficient Air monitoring equipment shall be installed.
2.17	Following additional arrangements to control fugitive dust shall be provided: a. Fog / Mist Sprinklers at all on bulk raw material storage area (at the transfer points) like Iron Ore, Coal and for Fly Ash and similar solid waste storage areas. b. Proper covered vehicle shall be used while transport of materials. c. Wheel washing mechanism shall be provided in entry and exit gates with complete recirculation system.

3. Air Quality Monitoring And Preservation In Case Of Integrated Cement Plants

S. No	EC Conditions
3.1	Provide Low NOx burners as primary measures and SCR /NSCR technologies as secondary measure to control NOx emissions.
3.2	The emission norms applicable for the cement plant shall be adhered to.
3.3	Dioxin and Furan monitoring shall be carried out once in six months at cement kiln stack.
3.4	DeSOx system shall be provided dry type. NOx level shall be maintained below 600 mg/Nm ³ by using best available technology.
3.5	Petcoke dosing shall be controlled automatically to control SO ₂ emission from chimney within the prescribed limits.
3.6	PP shall identify the Source of fluoride emissions and action plan to mitigate the same shall be implemented.
3.7	Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.

4. Water Quality Monitoring And Preservation

S. No	EC Conditions
4.1	The project proponent shall install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 as amended from time to time and connected to SPCB 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.
4.2	The project proponent shall monitor regularly ground water quality at least twice a year (pre- and post-monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (Protection) Act, 1986 and NABL accredited laboratories.
4.3	Garland drains and collection pits shall be provided for each stock pile to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run off.
4.4	Water meters shall be provided at the inlet to all unit processes in the steel plants.
4.5	The project proponent shall make efforts to minimise water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.
4.6	The proposed project shall be designed as Zero Liquid Discharge Plant. ETP shall be installed and there shall be no discharge of effluent from the plant. Domestic effluent shall be treated in Sewage Treatment Plant. Suitable measures shall be adopted for sewage water handling to ensure no contamination of any kind of water body.
4.7	All stockyards shall have impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains and catch pits to trap the run off

S. No	EC Conditions
	material and shall be implemented as per the action plan submitted in EIA/EMP report.
4.8	Rain water harvesting shall be implemented to recharge/harvest water as per the action plan submitted in the EIA/EMP report.

5. Noise Monitoring And Prevention

S. No	EC Conditions
5.1	Noise pollution shall be monitored as per the prescribed Noise Pollution (Regulation and Control) Rules, 2000 and amendments thereof, and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.
5.2	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.

6. Energy Conservation Measures

S. No	EC Conditions
6.1	Provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly;
6.2	Provide LED lights in their offices and residential areas.

7. Energy Conservation Measures In Case Of Integrated Cement Plants

S. No	EC Conditions
7.1	The project proponent make efforts to achieve power consumption less than 65 units/tonne for Portland Pozzolona Cement (PPC) and 85 units/tonne for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker.
7.2	Maximize utilization of fly ash, slag and sweetener in cement blend as per BIS standards.
7.3	Maximize utilization of alternate fuels and Co-processing to achieve best practice norms.
7.4	Waste heat recovery system shall be provided for kiln and cooler.

8. Waste Management

S. No	EC Conditions
8.1	Oil Collection pits shall be provided in oil cellars to collect and reuse/recycle spilled oil.
8.2	Kitchen waste shall be composted or converted to biogas for further use.

S. No	EC Conditions
8.3	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding in this regard shall be submitted to the Ministry's Regional Office.
8.4	The Plastic Waste Management Rules 2016, inter-alia, mandated banning of identified Single Use Plastic (SUP) items with effect from 01/07/2022. In this regard, CPCB has issued a direction to all the State Pollution Control Boards (SPCBs)/Pollution Control Committees (PCCs) on 30/06/2022 to ensure the compliance of Notification published by Ministry on 12/08/2021. The technical guidelines issued by the CPCB in this regard is available at https://cpcb.nic.in/technical-guidelines-3/ . All the project proponents are hereby requested to sensitize and create awareness among people working within the Project area as well as its surrounding area on the ban of SUP in order to ensure the compliance of Notification published by this Ministry on 12/08/2021. A report, along with photographs, on the measures taken shall also be included in the six monthly compliance report being submitted by the project proponents.
8.5	A proper action plan must be implemented to dispose of the electronic waste generated in the industry.

9. Green Belt

S. No	EC Conditions
9.1	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration by trees.
9.2	Project proponent shall submit a study report on Decarbonisation program, which would essentially consist of company's carbon emissions, carbon budgeting/ balancing, carbon sequestration activities and carbon capture, use and storage and offsetting strategies. Further, the report shall also contain time bound action plan to reduce its carbon intensity of its operations and supply chains, energy transition pathway from fossil fuels to Renewable energy etc. All these activities/ assessments should be measurable and monitor able with defined time frames.
9.3	Greening and Paving shall be implemented in the plant area to arrest soil erosion and dust pollution from exposed soil surface.

10. Public Hearing And Human Health Issues

S. No	EC Conditions
10.1	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
10.2	The project proponent shall carry out heat stress analysis for the workmen who work in high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms.
10.3	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.

S. No	EC Conditions
10.4	Occupational health surveillance of the workers shall be done on a regular basis and records maintained.

11. Environment Management

S. No	EC Conditions
11.1	The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 30/09/2020. As part of Corporate Environment Responsibility (CER) activity, company shall adopt nearby villages based on the socio-economic survey and undertake community developmental activities in consultation with the village Panchayat and the District Administration as committed.
11.2	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.
11.3	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.
11.4	Performance test shall be conducted on all pollution control systems every year and report shall be submitted to Integrated Regional Office of the MoEF&CC.

12. Miscellaneous

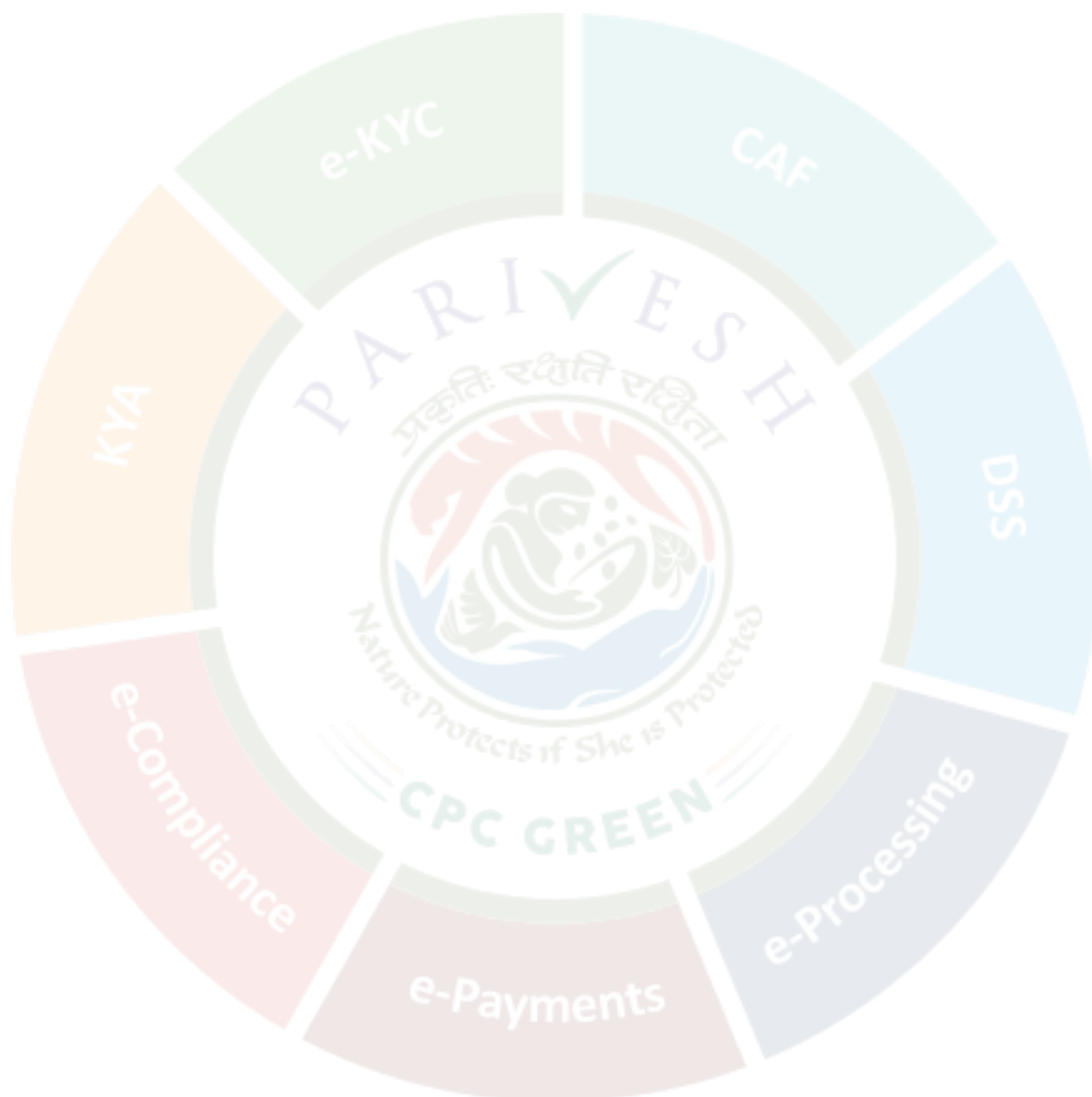
S. No	EC Conditions
12.1	The project proponent shall make public the environmental clearance granted for their project along with the environmental conditions and safeguards at their cost by prominently advertising it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently.
12.2	The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn has to display the same for 30 days from the date of receipt.
12.3	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis.
12.4	The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects and display the same at a convenient location for disclosure to the public and put on the website of the

S. No	EC Conditions
	company.
12.5	Action plan for developing connecting and internal road in terms of MSA as per IRC guidelines shall be implemented
12.6	The project proponent shall submit six-monthly reports on the status of the compliance of the stipulated environmental conditions on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
12.7	The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.
12.8	The project proponent 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, commencing the land development work and start of production operation by the project.
12.9	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.
12.10	The recommendations of the approved Site-Specific Wildlife Management Plan (in case of involvement of Schedule-I species) shall be implemented in consultation with the State Forest Department. The implementation report shall be furnished along with the six-monthly compliance report to the concerned Regional Office of the MoEF&CC.
12.11	The PP shall put all the environment related expenditure, expenditure related to Action Plan on the PH issues, and other commitments made in the EIA/EMP Report etc. in the company web site for the information to public/public domain. The PP shall also put the information on the left over funds allocated to EMP and PH as committed in the earlier ECs and shall be carried out and spent in next three years, in the company web site for the information to public/public domain.
12.12	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).
12.13	Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
12.14	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.
12.15	The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.
12.16	The Regional Office of this Ministry shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information/monitoring reports.
12.17	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period

S. No	EC Conditions
	of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

Additional EC Conditions

Not Applicable



Details of the proposal are as per the EIA/EMP report

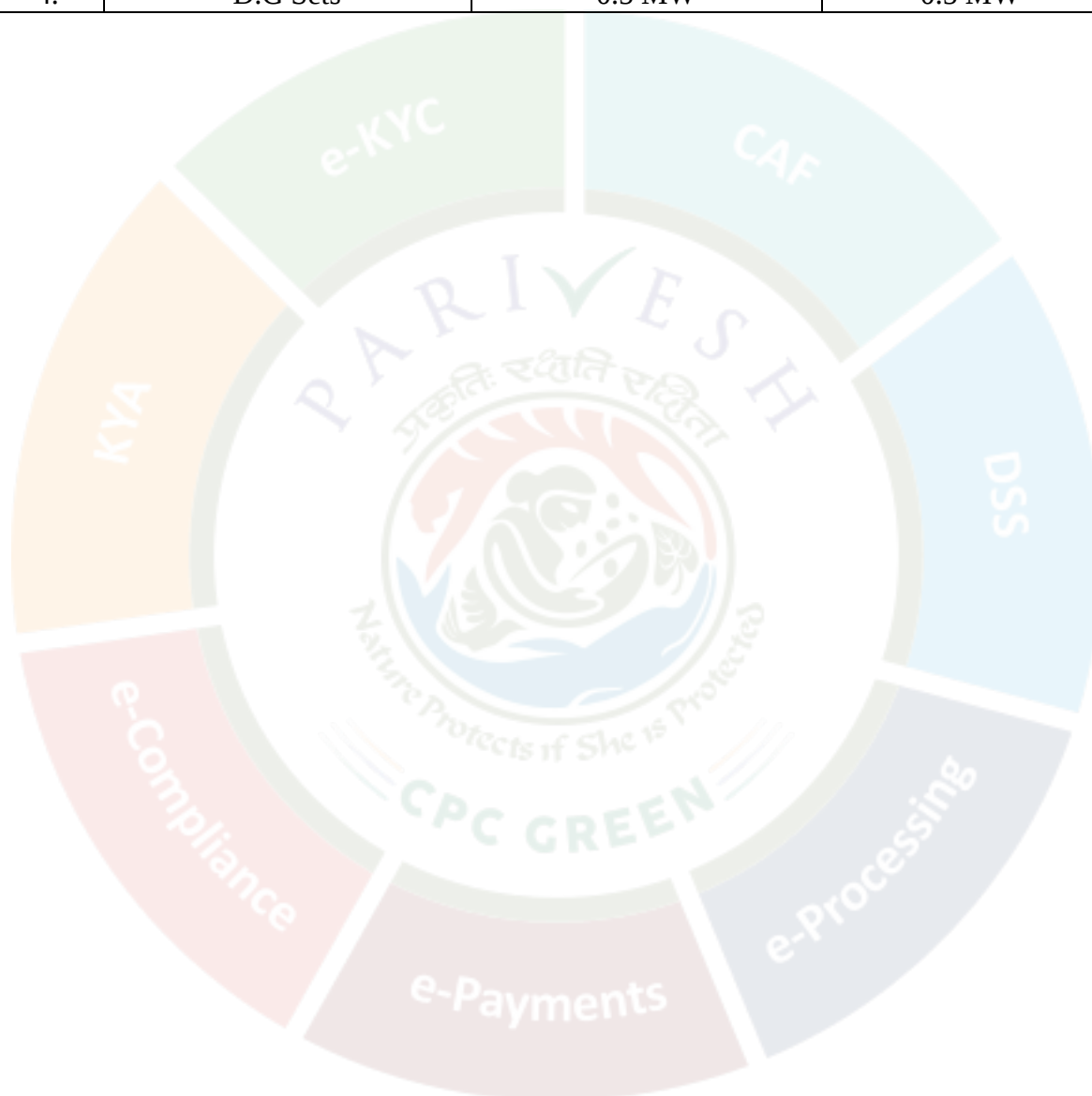
S. No.	Particulars	Details	Remarks	
1.	Total land	Total project area is 65.941 ha, out of which 29.838 ha is Government land, 35.267 ha is private land and 0.836 ha is forest land.	Land use: Govt. Land (29.838 ha), Private land (35.26 ha) and Forest land (0.836 ha) and the same will be converted into industrial use on introduction of the project.	
2.	Land acquisition details as per MoEF&CC O.M. dated 7/10/2014.	Total area required for the proposed project is 65.941 ha. The project area can be divided into two parts viz.	Details are given below:	
1. Already acquired land by M/s Jindal Steel & Power Ltd. (JSPL) to be transferred in the name of M/s Jindal Panther Cement Pvt. Ltd. (JPCPL)- Status of transfer in the name of JPCPL				
S No	Land type	Area (in ha)	Status	%age of the total land
a)	Already acquired/ purchased land	25.617	Free hold private land – Process of transfer in the name of JPCPL is completed.	38.85 %
b)		25.788	- Lease deed registered on 12.07.2024. - Possession of lease hold land given by CSIDC on 07.08.2024, letter.	39.12 %
c)		4.101	The process for the transfer of lease hold area is under process.	6.2 %
Sub-Total (I)		55.506		84.17%
2. Additional land to be acquired by JPCPL which comprises of private land, government land and revenue forest land. Status of the acquisition of this additional land is as below:				
S No.	Land type	Area (in ha)	Status	%age of the total land
a)	Pvt. land to be acquired	6.372	- Department of Commerce and Industries, Chhattisgarh vide its letter dated 14.06.2023 has intimated the grant of in-principal approval for the acquisition of the private land as per The Right to Fair Compensation and Transparency in Land Acquisition, Rehabilitation and Resettlement Act, 2013. - CSIDC vide letter dated 21.03.2024 has asked the Company to pay Rs. 18 Lakhs as an advance premium towards the land allotment.	9.66 %

S. No.	Particulars			Details		Remarks																																																																																		
				• JPCPL has deposited the said amount on 28.03.2024.																																																																																				
	b)	Govt. Land to be acquired	3.227	The process for acquisition of Govt. land has been initiated by the State Govt. based upon the application submitted by the Company. NOC from Gram Sabha has also been submitted.		4.9 %																																																																																		
	c)	Revenue Forest Land to be diverted	0.836	In-Principle approval (Stage-I Forest Clearance) has been granted vide letter dated 12.03.2024.		1.27 %																																																																																		
	Sub-Total (II)		10.435			15.83 %																																																																																		
	Total (I+II)		65.941			100 %																																																																																		
3.	Existence of habitation & involvement of R&R, if any.	Plant Site: No habitation exists within the plant site. Study Area: Villages falling near to the project site are as given below: <table><thead><tr><th>Habitation</th><th>Distance (km)</th><th>Direction</th></tr></thead><tbody><tr><td>Gejamunda</td><td>~2.0</td><td>SW</td></tr><tr><td>Barmuda</td><td>~0.6</td><td>ESE</td></tr><tr><td>Kosampali</td><td>~0.1</td><td>NE</td></tr><tr><td>Saraipali</td><td>~2.3</td><td>East</td></tr></tbody></table> However, there are approx. 83 villages in 10 km radius study area.				Habitation	Distance (km)	Direction	Gejamunda	~2.0	SW	Barmuda	~0.6	ESE	Kosampali	~0.1	NE	Saraipali	~2.3	East	R&R is not applicable																																																																			
Habitation	Distance (km)	Direction																																																																																						
Gejamunda	~2.0	SW																																																																																						
Barmuda	~0.6	ESE																																																																																						
Kosampali	~0.1	NE																																																																																						
Saraipali	~2.3	East																																																																																						
4.	Latitude and Longitude of all corners of the project site	<table><thead><tr><th>Point No.</th><th>Latitude</th><th>Longitude</th></tr></thead><tbody><tr><td>1.</td><td>21°55'1.70"N</td><td>83°20'17.00"E</td></tr><tr><td>2.</td><td>21°55'0.57"N</td><td>83°20'16.94"E</td></tr><tr><td>3.</td><td>21°55'0.10"N</td><td>83°20'15.49"E</td></tr><tr><td>4.</td><td>21°54'55.28"N</td><td>83°20'14.01"E</td></tr><tr><td>5.</td><td>21°54'52.86"N</td><td>83°20'14.34"E</td></tr><tr><td>6.</td><td>21°54'45.57"N</td><td>83°20'11.50"E</td></tr><tr><td>7.</td><td>21°54'33.02"N</td><td>83°20'4.04"E</td></tr><tr><td>8.</td><td>21°54'33.15"N</td><td>83°20'3.76"E</td></tr><tr><td>9.</td><td>21°54'30.92"N</td><td>83°20'2.41"E</td></tr><tr><td>10.</td><td>21°54'30.70"N</td><td>83°20'2.71"E</td></tr><tr><td>11.</td><td>21°54'24.27"N</td><td>83°19'59.26"E</td></tr><tr><td>12.</td><td>21°54'12.71"N</td><td>83°20'25.73"E</td></tr><tr><td>13.</td><td>21°54'22.81"N</td><td>83°20'29.73"E</td></tr><tr><td>14.</td><td>21°54'32.00"N</td><td>83°20'7.40"E</td></tr><tr><td>15.</td><td>21°54'47.54"N</td><td>83°20'16.54"E</td></tr><tr><td>16.</td><td>21°54'43.97"N</td><td>83°20'24.46"E</td></tr><tr><td>17.</td><td>21°54'35.20"N</td><td>83°20'20.41"E</td></tr><tr><td>18.</td><td>21°54'35.64"N</td><td>83°20'19.70"E</td></tr><tr><td>19.</td><td>21°54'33.39"N</td><td>83°20'18.62"E</td></tr><tr><td>20.</td><td>21°54'33.03"N</td><td>83°20'19.33"E</td></tr><tr><td>21.</td><td>21°54'28.71"N</td><td>83°20'17.17"E</td></tr><tr><td>22.</td><td>21°54'23.45"N</td><td>83°20'29.94"E</td></tr><tr><td>23.</td><td>21°54'34.06"N</td><td>83°20'33.29"E</td></tr><tr><td>24.</td><td>21°54'39.59"N</td><td>83°20'34.51"E</td></tr><tr><td>25.</td><td>21°54'40.83"N</td><td>83°20'31.74"E</td></tr><tr><td>26.</td><td>21°54'41.93"N</td><td>83°20'32.08"E</td></tr><tr><td>27.</td><td>21°54'45.69"N</td><td>83°20'31.50"E</td></tr></tbody></table>	Point No.	Latitude	Longitude	1.	21°55'1.70"N	83°20'17.00"E	2.	21°55'0.57"N	83°20'16.94"E	3.	21°55'0.10"N	83°20'15.49"E	4.	21°54'55.28"N	83°20'14.01"E	5.	21°54'52.86"N	83°20'14.34"E	6.	21°54'45.57"N	83°20'11.50"E	7.	21°54'33.02"N	83°20'4.04"E	8.	21°54'33.15"N	83°20'3.76"E	9.	21°54'30.92"N	83°20'2.41"E	10.	21°54'30.70"N	83°20'2.71"E	11.	21°54'24.27"N	83°19'59.26"E	12.	21°54'12.71"N	83°20'25.73"E	13.	21°54'22.81"N	83°20'29.73"E	14.	21°54'32.00"N	83°20'7.40"E	15.	21°54'47.54"N	83°20'16.54"E	16.	21°54'43.97"N	83°20'24.46"E	17.	21°54'35.20"N	83°20'20.41"E	18.	21°54'35.64"N	83°20'19.70"E	19.	21°54'33.39"N	83°20'18.62"E	20.	21°54'33.03"N	83°20'19.33"E	21.	21°54'28.71"N	83°20'17.17"E	22.	21°54'23.45"N	83°20'29.94"E	23.	21°54'34.06"N	83°20'33.29"E	24.	21°54'39.59"N	83°20'34.51"E	25.	21°54'40.83"N	83°20'31.74"E	26.	21°54'41.93"N	83°20'32.08"E	27.	21°54'45.69"N	83°20'31.50"E	-	
Point No.	Latitude	Longitude																																																																																						
1.	21°55'1.70"N	83°20'17.00"E																																																																																						
2.	21°55'0.57"N	83°20'16.94"E																																																																																						
3.	21°55'0.10"N	83°20'15.49"E																																																																																						
4.	21°54'55.28"N	83°20'14.01"E																																																																																						
5.	21°54'52.86"N	83°20'14.34"E																																																																																						
6.	21°54'45.57"N	83°20'11.50"E																																																																																						
7.	21°54'33.02"N	83°20'4.04"E																																																																																						
8.	21°54'33.15"N	83°20'3.76"E																																																																																						
9.	21°54'30.92"N	83°20'2.41"E																																																																																						
10.	21°54'30.70"N	83°20'2.71"E																																																																																						
11.	21°54'24.27"N	83°19'59.26"E																																																																																						
12.	21°54'12.71"N	83°20'25.73"E																																																																																						
13.	21°54'22.81"N	83°20'29.73"E																																																																																						
14.	21°54'32.00"N	83°20'7.40"E																																																																																						
15.	21°54'47.54"N	83°20'16.54"E																																																																																						
16.	21°54'43.97"N	83°20'24.46"E																																																																																						
17.	21°54'35.20"N	83°20'20.41"E																																																																																						
18.	21°54'35.64"N	83°20'19.70"E																																																																																						
19.	21°54'33.39"N	83°20'18.62"E																																																																																						
20.	21°54'33.03"N	83°20'19.33"E																																																																																						
21.	21°54'28.71"N	83°20'17.17"E																																																																																						
22.	21°54'23.45"N	83°20'29.94"E																																																																																						
23.	21°54'34.06"N	83°20'33.29"E																																																																																						
24.	21°54'39.59"N	83°20'34.51"E																																																																																						
25.	21°54'40.83"N	83°20'31.74"E																																																																																						
26.	21°54'41.93"N	83°20'32.08"E																																																																																						
27.	21°54'45.69"N	83°20'31.50"E																																																																																						

S. No.	Particulars	Details			Remarks
		28.	21°54'46.58"N	83°20'29.57"E	
		29.	21°54'47.89"N	83°20'25.28"E	
		30.	21°54'51.46"N	83°20'26.25"E	
		31.	21°54'54.17"N	83°20'19.20"E	
		32.	21°55'0.09"N	83°20'21.01"E	
5.	Elevation of the project site	244 m to 253 m AMSL			-
6.	Involvement of Forest land if any.	0.836 ha forest land involved in the project and In-Principle approval (Stage-I Forest Clearance) has been granted vide letter dated 12.03.2024.			-
7.	Water body (Rivers, Lakes, Pond, Nala, Natural Drainage, Canal etc.) exists within the project site as well as study area	Project site: A first order stream is passing in the SE direction of the project site. The natural flow of this stream will be maintained with no change in inlet and out-let points. Three ponds are located in the North of the project site. Study area: Kanthi Tal (~3.0 Km in SSW direction), Tipakhol Tal (~3.5 in NNE direction), Kokritaral Tal (~3.5 Km in NW direction), Doliva Nala (~5.0 km in WSW direction), Mand River (~6.0 km in WSW direction), Kelo River (~6.5 km in ENE direction), Ramjharan Nala (~6.5 Km in West direction), Pathari Nala (~6.5 km in WSW direction), Sanapkhari Nala (~6.5 km in ENE direction)			-
8.	Existence of ESZ / ESA / National Park / wildlife sanctuary / Biosphere Reserve / Tiger reserve / Elephant reserve etc. if any within the study area.	No National Park, Wildlife Sanctuary, Biosphere Reserve exists within 10 km radius of the project site. List of reserved forest: ○ Urdana RF (~ 2.5 km in ENE Direction) ○ Boidadar RF (~7.5 km in ENE Direction) ○ Gajmar RF (~8.0 km in ESE Direction) ○ Barkachhar RF (~9.5 km in NNE Direction) List of Protected Forests: ○ Protected Forest (~8.5 km in ESE direction) ○ Protected Forest (~7.5 km in NE direction) ○ Lakha PF (~8.0 km in NNE Direction) ○ Dungapani PF (~8.5 km in NE Direction) ○ Barlia PF (~9.5 km in NE Direction) ○ Lamhidarha PF (~7.5 km in ENE Direction) ○ Protected Forest (~6.0 km in NE Direction)			Certificate along with Authenticated location map has been obtained from Divisional Forest Officer, Raigarh vide letter No Tak / adhi / 6228 / 2022 / Raigarh dated 08.12.2022.
9.	Details of interlinked projects needs to be submitted	Limestone will be procured from Godadih Mahal No.2 limestone mine of Jindal Steel & Power ltd and Open Market mines located in Godadih region. Copy of agreement submitted has been done with JSPL.			-

Unit configuration and capacity

S. No.	Plant Equipment / Facility	Proposed Unit	
		Configuration	Capacity
1.	Clinker	Kiln - 7000 TPH	2.5 Million TPA
2.	Cement	Cement Mill - 2 x 225 TPH	2.5 Million TPA
3.	WHRS	12 MW	12 MW
4.	D.G Sets	0.5 MW	0.5 MW



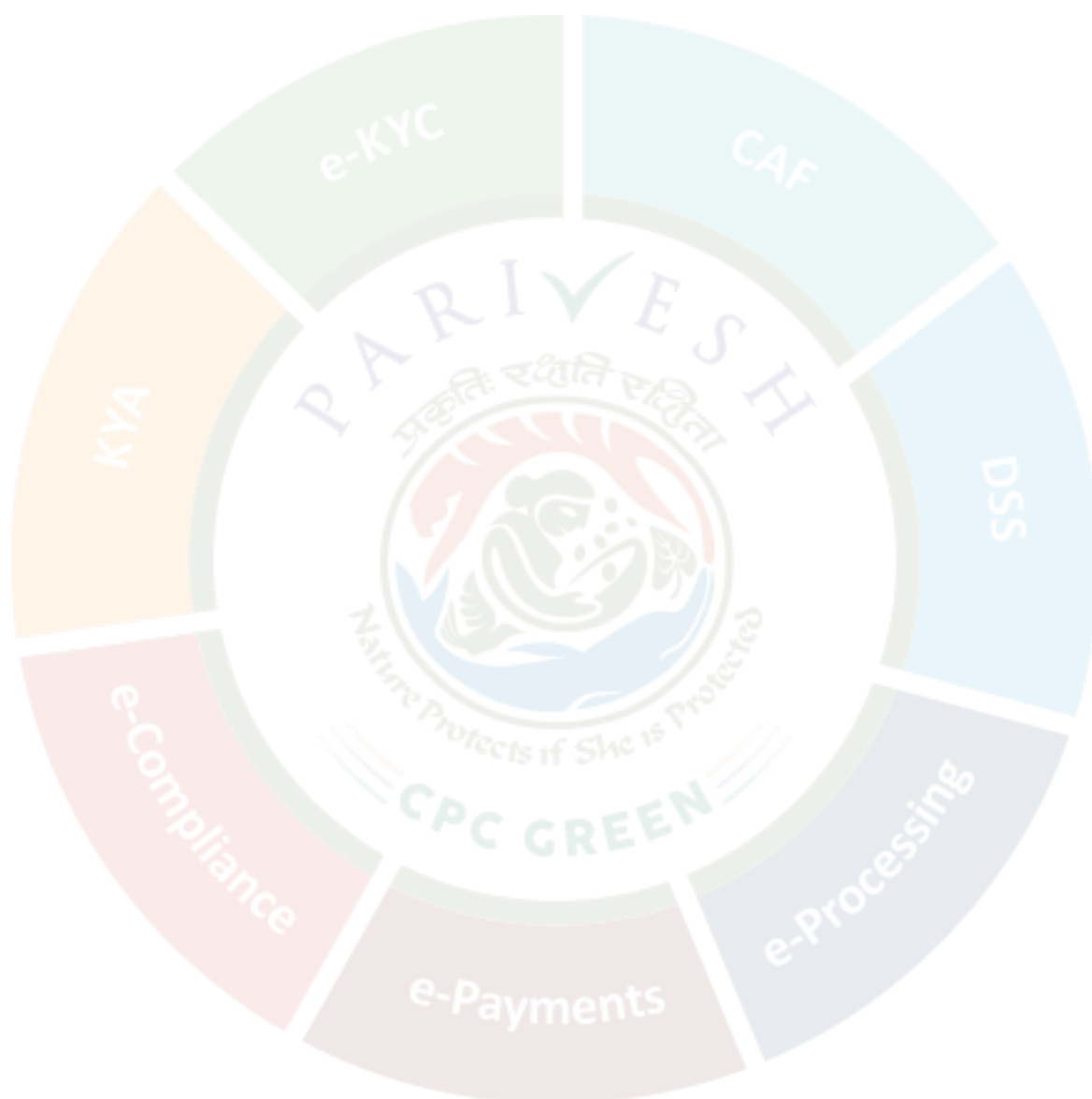
Action plan as per MoEF&CC O.M. dated 30/09/2020

SI No	Verticals	Areas of intervention/ Activity	Location	Investment in Rs Lakh			
				Year - 1	Year - 2	Year - 3	Total
1	Development of Kosampali village as Model Village						
a	Infrastructure in Village Kosampali	Construction of Road. 1 km per year	1 village	60	55	25	140
		Construction of concrete drain in villages	1 village	40	30	10	80
		Development of community infrastructure like park, etc	1 village	45	20	20	85
		Construction/ repair of community hall, gym	1 village	25	30	10	65
		Construction of bathing ghat in ponds, beautification of pond, crematorium, sitting place, village entrance gate, etc.	1 village	80	50	50	180
		Sub Total		250	185	115	550
b	Education & Skill development for Villagers of Kosampali	Support schools with teachers	1 school	2	2	2	6
		After school learning classes	1 village	2	3	3	8
		Infrastructure development in schools	1 school	2	3	2	7
		Smart class (STEM)	1 school	2	3		5
		Computer education (Udaan)	1 center	1.5	2	2	5.5
		Sports development in schools	1 school	1	1	1	3
		Youth coaching center	1 center	2	3	3	8
		Sponsoring higher education/ scholarship (Yashasvi/ VJ Scholarship).	1 village	5	7	10	22
		Sub Total		17.5	24	23	64.5
2	HEALTH & NUTRITION	Mother & Child health program (Vatsalya)	4 villages	12	13	15	40
		Hygiene promotion (Sanitary Napkin) (Shubhangi)	4 villages	8	4	5	17
		Anaemia control (Kishori express)	4 villages	35	35	35	105
		Addressing malnutrition among children (Chiranjeevi)	4 villages	7	8	9	24
		Awareness & preventive measures for disease control (HIV, etc)	4 villages	6	6	7	19
		Health insurance for communities	All families of 4 villages	12	12	14	38
		Health camp in villages	4 villages	11	12	13	36
		Support poor patients in treatment at Fortis hospital	4 villages	20	25	25	70

Sl No	Verticals	Areas of intervention/ Activity	Location	Investment in Rs Lakh			
				Year - 1	Year - 2	Year - 3	Total
		TB Mukht Bharat & emergency response	4 villages	6	6	6	18
		Health infrastructure development	2 villages	30	40	50	120
		Total		147	161	179	487
3	DRINKING WATER & SANITATION	Creation/ repair of water sources	4 villages	20	30	50	100
		Household water supply	4 villages	6	6	7	19
		Bio Toilet (Community)	4 villages	15	17	17	49
		Door- step cold drinking water supply in villages through van	4 villages	5	5	6	16
		Individual Household Toilet (ODF) for poor	4 villages	12	16	15	43
		Village sanitation	4 villages	20	30	45	95
		Total		78	104	140	322
4	Environment	Excavation/ deepening of water bodies. 4 ponds per year	4 villages	80	45	30	155
		Plantation	4 villages	5	5	5	15
		Installation of solar lights (street)	4 villages	20	25	25	70
		Waste management (Processing unit)	2 unit	25	25	15	65
		Total		130	100	75	305
5	Community Infrastructure	Construction of Road. 1 km per year	3 villages	30	30	20	80
		Construction of concrete drain in villages	3 villages	30	10	10	50
		Development of community infrastructure like park, etc	3 villages	15	10	5	30
		Construction/ repair of community hall, gym	3 villages	35	20	10	65
		Construction of bathing ghat in ponds, beautification of pond, crematorium, sitting place, village entrance gate, etc.	3 villages	65	20	10	95
		Total		175	90	55	320
6	EDUCATION	Pre-primary education (Little Angel)	4 villages	6	7	7	20
		Support schools with teachers	3 schools	3	3	2	8
		After school learning classes	3 villages	6	7	9	22
		Infrastructure development in schools	3 schools	7	8	10	25
		Asha The Hope (Disability management)	1 center	15	17	20	52
		Smart class (STEM)	3 schools	8	7		15
		Computer education (Udaan)	1 centers	3.5	6	8	17.5
		Sports development in schools	5 schools	2	2	3	7
		Youth coaching center	1 center	10	14	15	39

Sl No	Verticals	Areas of intervention/ Activity	Location	Investment in Rs Lakh			
				Year - 1	Year - 2	Year - 3	Total
		Sponsoring higher education/ scholarship (Yashasvi/ VJ Scholarship).	3 villages	20	21	20	61
		Total		80.5	92	94	266.5
7	LIVELIHOOD	SHG promotion. Supporting women group with income generation ventures. Supporting individuals/ groups in income generation activity	4 villages	12	14	15	41
		Sponsor skill development training, including skill development at OPJCC Punjipathra	4 villages	15	17	20	52
		Support groups for craft/ traditional development	3 villages (Dhanagar, Kosampali, Saraipali)	4	4	6	14
		Support farmers in agriculture	4 villages	20	30	35	85
		Creation of green house	4 villages	15	17	19	51
		Total		66	82	95	243
8	Sports & Youth Development	Coaching camp of different games (Hockey, Kabaddi, Boxing)	3 centers	5	5	5	15
		Support youths with sports equipment, gym	4 villages	5	7	8	20
		Organize & support Tournament	8 event	8	7	8	23
		Infrastructure development related to sports - stadium, etc.	2 units	24	30	20	74
		Total		42	49	41	132
9	Art & Culture	Dance classes. Support communities in local festival, with musical instruments	4 villages	10	10	11	31
		Organize & support cultural festival, program	4 villages	10	10	12	32
		Total		20	20	23	63
10	Social Inclusion	Support to needy, destitute, elderly, differently abled, orphan, single parent child, street dweller, etc	4 villages	35	35	35	105
		Support old age home, children's home, differently abled home with infrastructure, equipment, material, etc	4 villages	20	22	25	67
		Partial support in constructing houses	4 villages	39	39	13	91
		Support for marriage of poor girls. Material support	20 girls per year	20	20	22	62
		Total		114	116	95	325

Sl No	Verticals	Areas of intervention/ Activity	Location	Investment in Rs Lakh			
				Year - 1	Year - 2	Year - 3	Total
11	Emerging Needs	Addressing needs of community, which could not be covered/ addressed under planned activities	28 villages	100	110	110	320
		Total		100	110	110	320
		GRAND TOTAL		1220	1131	1047	3398



Budget for EMP

S. No.	Description		Capital Cost (Crores)	Recurring Cost/annum (Crores)
1.	Air Pollution control	Coal Mill Bag House & ESP	17.60	1.4
		Bag filter for Raw mill & Kiln	15.71	1.2
		Cement Mill Bag house	15.00	1.0
		Bag filter for control of fugitive emissions	18.92	0.8
		Stacks & fabrication	15.08	-
		Water spray System	2.00	0.15
		Covered Shed for raw material	22.00	-
2.	Water Pollution control	ETP	2.00	0.20
		STP	1.50	0.10
3.	Civil Cost of Pollution control equipment		32.0	-
4.	Greenbelt Development		4.00	0.9
5.	Env. Monitoring	CEMS	1.00	0.1
		CAAQMS	3.00	0.08
		Third party monitoring	0.50	0.12
Total			150.31	6.05