

Ref. No.: JAYKAYCEM/ENV./EC/PLANT/01

Dated: 24.05.2022

To,
Regional Office (WZ),
Kendriya Paryavaran Bhawan,
E-5, Arera Colony, Link Road-3, Ravi Shankar Nagar
BHOPAL – 462 016
E-Mail: rowz.bpl-mef@nic.in

Subject: **Submission of Half Yearly Environmental Clearance Compliance Status Report for period from October 2021 to March 2022 of Jaykaycem (Central) Ltd located at Villages Devra, Hardua, Puraina, Sotipura & Madaiyan, Tehsil: Amanganj, Dist. Panna, Madhya Pradesh.**

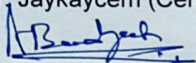
Ref.: 1- Environment Clearance vide no IA-J-11011/224/2016-IA.II (I) dated 14.10.2020
2- Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022.
3- MoEF & CC notification no. S.O. 5845 (E) 26.11.2018

Dear Sir,

With reference to above stated Environment Clearances (ECs) and MoEF & CC notification no. S.O. 5845 (E) 26.11.2018, we are sending soft copy of Half Yearly Environmental Clearance Compliance Status Report for period from October 2021 to March 2022 of Greenfield integrated Clinker/ Cement manufacturing unit cement production capacity 6.0 Million TPA, Clinker Production 6.6 Million TPA, Power generation capacity of WHRS 50 MW, DG Set 2500 KVA and Captive Power Plant Capacity 40 MW in phased manner of M/s. Jaykaycem (Central) Ltd located at Villages Devra, Hardua, Puraina, Sotipura & Madaiyan, Tehsil: Amanganj, Dist. Panna, Madhya Pradesh through email and same has been uploaded to MoEF & CC Portal for your kind information and record please.

Thanking you,

Yours Sincerely
For: Jaykaycem (Central) Limited



Anil Badgotri
(V.P.-Project & Commercial)

Encl.: Copy of EC Compliance Status Report. Soft copy sent by mail to:

1. Member Secretary, MP Pollution Control Board, Paryawaran Parisar,
2. Regional Officer, Regional Office, MP Pollution Control Board, Makronia, Sagar (MP)
3. Regional Director- CPCB, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP)
4. Deputy Director General of forest (C), MoEFCC, Integrated Regional Office, Bhopal- 462016.
5. The Director, MoEFCC, Indira Paryawaran Bhavan, New_Delhi-11003

Corporate Office

- ◆ Padam Tower, 19 DDA Community Centre Okhla, Phase - 1, New Delhi - 110020, India
- ☎ +011-49220000
- ✉ admin.padamtower@jkcement.com
- 🌐 www.jkcement.com



**JK SUPER
CEMENT**
BUILD SAFE

Grinding Unit :
Village Ingotha, District : Hamirpur, Uttar Pradesh, India, Pin - 210341

**JK SUPER
STRONG**
BUILD SAFE

**Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem
Central Limited, Panna for Period From October 2021 to March 2022**
Environment Clearance vide no IA-J-11011/224/2016-IA.II(I) dated 14.10.2020

| Name of the Project- Greenfield integrated clinker/cement manufacturing unit (5.28 MTPA Clinker, 6.0 MTPA Cement) and Captive Power Plant including waste heat recovery plant and power generation through WHRB (80 MW FBC; 30 MW WHRB) of M/s. Jaykaycem (Central) Ltd. Located at Village Devra, Hardua, Puraina, Sotipura & Madaiyan, Tehsil: Amanganj, District: Panna (Madhya Pradesh) | | |
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| Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 14.10.2020 | | |
| Specific Condition | | |
| S. No. | EC Conditions | EC Compliances |
| i. | Project proponent shall comply with the outcome of the court case pending before the Lok Adalat, Panna. | Court case dispose off by Lok Adalat, Panna. Copy has been submitted vide letter No. PCP/EMD/MoEF/F01/030, Dated: 31.05.2021. |
| ii. | <p>Following points shall be complied.</p> <p>a. Residential colony as proposed by PP in North East direction of the plot is not permitted. PP shall not construct any residential accommodation inside the project area.</p> <p>b. CPP shall be relocated in the area allocated for colony to reduce dust and noise impact on village in south west area of the proposed site.</p> <p>c. A 100 m wide green belt shall be provided on south west side of the plant to protect the village from pollution.</p> <p>d. Revised lay out map to this effect shall be furnished within 15 days to the Ministry and its Regional Office for records.</p> | <p>a. Agreed not to construct the residential colony in NE direction of the plant.</p> <p>b. Agreed to install the CPP in NE direction of plant.</p> <p>c. Agreed to develop green belt of 100m wide in SW side of the plant boundary towards the village.</p> <p>d. Revised layout has already been submitted to the Ministry on 15.10.2020 in soft copy by mail.</p> |
| iii. | No further addition of plant and machinery shall be permitted in the present plot for capacity expansion. | Agreed to take prior permission from the Ministry for addition of plant and machinery for increase of capacity. |
| iv. | Only surface water shall be used and ground water abstraction shall not be permitted. | <p>The source of the water for the plant will be as given below-</p> <p>1.No ground water is being used for industrial purpose & ground water is being used only for drinking & domestic purpose. Fresh CGWA NOC was obtained vide NOC No. CGWA/NOC/IND /ORIG /2020/7350, dated 05.02.2020 for use of ground water and now it has been renewed vide NOC No. CGWA/NOC/IND/REN/1/2022/6896.</p> <p>2.Ken River surface water for Industrial use as per agreement with WRD, Bhopal letter no. VAR.P.N .M/31/ TAK /RA.SAT- 910/2020576, Bhopal, dated 29.10.2020</p> |

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| v. | CER expenditure shall be Rs. 38.80 Crores and all CER activities shall be executed in three years. | Complying. We are continuously working on CER activities and till now we have spent more than Rs. 200 Lakhs. |
| vi. | Health checkup center for Employees and Community shall be arranged with Health cards to neighboring community dwellers. | Agreed and developing health center at the site for health checkups of employees and community. |
| vii. | Particulate emission shall be restricted to 20mg/Nm ³ instead of 25 mg/Nm ³ as proposed by PP. PP had agreed for the revised PM levels as the site has dwellings and agriculture land just within 200 m from plant boundary. | Agreed and to be complied. All the pollution control equipment are designed well within the prescribed standards. |
| viii. | Energy consumption in proposed plant (Thermal- 725 Kcal/kg Clinker; OPC 95 kwh/t and PPC- 70 kwh/t) is very high in comparison to other cement plants in India (Thermal- 670 kcal/kg; OPC- 85 kwh/t and PPC- 65 kwh/t). PP shall install state of the art technology to conserve energy and meet GOI's targets for GHG emissions. | Agreed and to be complied |
| ix. | 2-3% Alternate fuels shall be used. Monitoring of emissions shall be carried out as per MoEF&CC notifications applicable to use of alternate fuels. | Agreed and to be complied |
| x. | Greenbelt shall be provided in the villages on southern side of the plant area. This will in addition to normal green belt of 33 % inside the plant using 2500 trees per ha. | Agreed. Plantation is being done all along the plant boundary. Plantation photos are attached as ANNEXURE No. – 1 for ready reference please |
| xi. | Plant shall operate on ZLD. | Agreed and to be complied |
| xii. | 100 % Solid waste generated shall be reused. | Agreed. No solid waste will be generated from the plant. However, material collected in Air Pollution Control Devices (APCDs) shall be recycled in the process. |
| xiii. | All plant roads shall be paved and cleaned regularly using industrial vacuum cleaners. Dust collected from roads and shop floors shall be recycled. | Agreed. Plant roads are being paved and after construction it will be cleaned by using industrial vacuum cleaners. Concreted road photos are attached as ANNEXURE No. – 2 for ready reference please |
| xiv. | RWH and GW recharge shall be carried out to recharge more than 100 % of annual water consumption. | Agreed. RWH and GW are being developed within the plant area. |

B. General EC Conditions:

I. Statutory compliance

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| i. | 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 | Agreed and noted for compliance of all applicable legislation. |
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**Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem
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| | standards/conditions to be followed under any other Acts/Rules/Subordinate legislations, etc., as may be applicable to the project. | |
| <u>II. Air quality monitoring and preservation</u> | | |
| i. | The project proponent shall install 24x7 Continuous Emission Monitoring System (CEMS) at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQS) 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. | Agreed. All the CEMS and CAAQMS have been ordered. 1. Opacity meter will be installed at the stack of Kiln + Raw Mill, Clinker Cooler, Cement mill and Coal mill. 2. CEMS for PM, SO ₂ & NO _x shall be installed at the stack of Kiln. 3. AAQMS shall be installed for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x and CO. All AAQMS and CEMS will be connected with CPCB and SPCB sever and will be calibrated as per equipment specification through NABL accredited Lab. |
| 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. | Agreed to monitor the fugitive emission in every quarter at the raw material unloading, storage and packing plant area by the recognized Lab under EP Act. |
| iii. | The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags. | Agreed. Leakage detection system and mechanized bag cleaning facilities are being provided. |
| iv. | Ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying flyash. | Agreed and to be complied. |
| v. | Provide wind shelter fence and chemical spraying on the raw material stock piles; and | Agreed. Covered shed will be provided for all raw materials. |
| vi. | Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land by the use of covered conveyor belts/railways as a mode of transport | Agreed. All the Raw materials will be transported through covered manner. |
| vii. | Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, cement bagging plants. | Agreed and to be complied. |
| <u>III. Water quality monitoring and preservation</u> | | |
| i. | The project proponent shall regularly monitor groundwater 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. | Agreed to monitor ground water quality twice a year (pre and post monsoon) of plant and adjacent areas through recognized Lab under EP Act/NABL accredited Lab. Ground Water Quality Reports are attached as ANNEXURE No. – 3 for ready reference please |
| ii. | Adhere to 'Zero Liquid Discharge'. | Agreed to maintain ZLD. No waste water shall be generated from the process. |

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| | | Waste water from power plant will be used in mill spray. Sewage water will be treated in STP and treated water will be used for plantation/dust suppression. |
| iii. | Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards. | Agreed. STPs are being installed for treatment of domestic sewage water to meet the prescribed standards. |
| iv. | 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 runoff | Agreed to provide garland drains and collection pits for stock pile to arrest the run- off generated during rainy season. |
| v. | Water meters shall be provided at the inlet to all unit processes in the cement plant | Agreed and to be complied. |
| vi. | The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water. | Agreed and to be complied. |
| <u>IV. Noise and vibration monitoring and prevention</u> | | |
| i. | Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation And Control) Rules,2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report | Complying. Ambient Noise Monitoring Reports are attached as ANNEXURE No. – 4 for ready reference please |
| <u>V. Energy Conservation measures</u> | | |
| i. | Energy conservation measures may be adopted such as adoption of solar energy and provision of LED lights etc. to minimize the energy consumption. | Agreed and complying. LED lights are installed in plants and offices. |
| ii. | Maximize utilization of alternate fuels and Co-processing to achieve best practice norms | Agreed and to be complied. |
| <u>VI. Waste management</u> | | |
| i. | Kitchen waste shall be composted or converted to biogas for further use. | Agreed and to be complied. |
| <u>VII. Green Belt</u> | | |
| i. | Green belt shall be developed in an area equal to 33% of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant. | Agreed and complied. Green belt are being developed and till now we have planted a total of 12399 No. of saplings (covering 4.95 Ha area) in FY 2021-22 in and around the periphery of the plant area. Refer ANNEXURE No. – 1 |
| ii. | The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation. | Agreed and to be complied. |
| <u>VIII. Public hearing and human health issues</u> | | |
| i. | Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented. | Agreed to prepare and implement the Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan. |

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| ii. | Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project | Complied. Housing facility along with the necessary infrastructure have been provided to the workers. |
| iii. | Occupational health surveillance of the workers shall be done on a regular basis and records maintained. | Complying. Health checkups of workers and employees are being done and records are being maintained. Some pictures have been enclosed as ANNEXURE No. - 5 |

IX. Environment Management

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| i. | The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No. 22-65/2017-IA.III dated 1st May 2018, as applicable, regarding Corporate Environment Responsibility. | Agreed and to be complied. |
| ii. | 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. | Complied. Company has Corporate Environmental Policy duly approved by the Board. Copy of Environmental Policy approved by Board of Director enclosed as ANNEXURE No. – 6 for ready reference please |
| iii. | 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. | Complied. A separate 'Environmental Management Cell' has been setup. |

X. Miscellaneous

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| i. | 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 on shall be in the vernacular language within seven days and in addition this shall also be displayed in the project proponent's website permanently. | Complied. Published in two local newspapers namely Nav Swadesh and Raj Express dated 15.10.2020 and copy has been submitted to the Ministry and its regional office on 15.10.2020. Copy of new papers are attached as ANNEXURE – 7 |
| ii. | 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. | Copy of the EC has been sent by speed post to the Heads of local bodies, Panchayats & govt. bodies has been submitted vide letter No. PN/EMD/MoEF /F01/024, dated 15.10.2020 by speed post |

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Central Limited, Panna for Period From October 2021 to March 2022**
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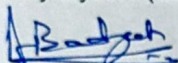
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| iii. | The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and update the same on half-yearly basis. | Agreed to submit six monthly compliance status report on regularly to the MoEF&CC & its concerned Regional Office, CPCB and MPPCB along with result of monitored data. |
| iv. | The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectorial 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 company. | Agreed to monitor the criteria pollutants level namely; PM10, PM2.5, SO ₂ , NOx in ambient air, PM in the stack of Kiln+RM, Coal Mill, Clinker Cooler, Cement Mill and Boiler, SO2 and NOx in the stack of Kiln and Boiler and data will be displayed at plant mail gate and will be put at company's website. Real time data will be link with the CPCB & MPPCB server. Ambient Air Quality Monitoring Reports are attached as ANNEXURE No. – 8 for ready reference please |
| v. | 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. | Agreed to upload the six monthly compliance status report to the MoEF&CC website and Climate Change at environment clearance portal. |
| vi. | 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. | Agreed to submit environmental statement for each financial year in Form-V to the MPPCB in prescribed format and put on the website of the company. |
| vii. | 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. | We will inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project, commencing the land development work and start of production operation by the project. |
| viii. | 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. | We hereby submit the commitment that we will implemented/ executed all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also during the presentation to the Expert Appraisal Committee. |
| ix. | 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). | Agreed |
| x. | 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. | Agreed |
| xi. | The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. | Agreed |

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| xii. | The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. | Agreed |
| xiii. | 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. | Agreed |
| xiv. | Any appeal against this EC 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. | Noted. |

Yours Sincerely

For: Jaykaycem (Central) Limited



Anil Badgotri

(VP-P&C)

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period From October 2021 to March 2022
Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022

| Name of the Project- Expansion in Clinker Production Capacity from 5.28 Million TPA to 6.6 Million TPA, Power generation capacity of WHRS from 30 MW to 50 MW, DG Set from 500 KVA to 2500 KVA and reduction in Captive Power Plant Capacity from 80 MW to 40 MW in Phased manner without change in Cement Production capacity of 6.0 Million TPA at Villages: Devra, Hardua, Puraina, Sotipura & Madaiyan, Tehsil: Amanganj, District: Panna (Madhya Pradesh) by M/s. Jaykaycem (Central) Ltd. | | |
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| Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022 | | |
| Specific Condition | | |
| S. No. | EC Conditions | EC Compliances |
| i. | Particulate matter emission from cement mill stacks shall be less than 20 mg/Nm ³ and for CPP less than 30 mg/Nm ³ . | Agreed. Air Pollution Control Equipment for Particulate matter emission from cement mill stack is designed for less than 20 mg/Nm ³ and for CPP less than 30 mg/Nm ³ . We will comply with prescribed standard. |
| ii. | Air cooled condenser shall be used in the captive power plant in place of water cooled system. | Agreed to use Air cooled condenser in the captive power plant in place of water cooled system |
| iii. | Project proponent is permitted to abstract up to 2140 KLD ground water, for next 15 months from the date of issue of the Environment Clearance after obtaining requisite permission from the concerned Competent Authority. Thereafter, water from mine pit and Ken River shall be used and ground water abstraction is not permitted. | Presently, we have NOC for ground water abstraction of 195 KLD for domestic purpose vide NOC No. CGWA/NOC/IND/REN/1/2022/6896 valid from 31.01.2022 to 30.01.2025. GW abstraction permission of 2140 KLD for industrial use is in process. |
| iv. | Total water requirement after expansion shall not exceed 5125 KLD. Water shall be sourced from ground (195 KLD) and 4930 KLD from mine pit and Ken river. | Agreed. |
| v. | Dioxins and furans shall be monitored twice a year during co-processing of hazardous waste and report shall be submitted to Regional Office of the MoEF &CC. | Agreed. To be complied after plant operation. |
| vi. | Green belt shall be developed in 33% of the total area all along the entire periphery of the area with a density of 2500 trees per ha. This shall include development of green belt with a width of 20 m within the project site towards the mining area and Hardua village located at 0.5 km from the project site. | Agreed to achieve the plantation in 33% of the plant premises with density of 2500 trees/ha of native species within 4 years as presented before the EAC while seeking the EC. A total of 12399 No. of saplings (covering 4.95 Ha area) have been planted by FY 2021-22 in and around the periphery of the plant area. Refer ANNEXURE No. – 1 |
| vii. | All stockyards shall be having impervious flooring and shall be equipped with water spray system for dust suppression. Stock yards shall also have garland drains to trap the runoff material. | Agreed. |
| Viii. | Slip roads shall be provided at the gates and along crossing on main roads. | Agreed. Work is on progress. |
| ix. | All internal and connecting roads to the Highway shall be black topped/concreted with suitable load in term of Million Standard Axle (MSA) as per IRC guidelines. | Agreed. Construction of all internal and connecting roads to the Highway is on progress. Refer ANNEXURE No. – 2 |
| x. | Performance monitoring of pollution control equipment | Agreed. Pollution control equipment are |

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period From October 2021 to March 2022
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| | shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF & CC. | under installation. Performance certificate to be collected. |
| xi. | The recommendation of the approved Site-Specific Conservation Plan / 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. | We are following up to State Forest Department regarding implementation of Wildlife conservation plan. |
| xii. | Limestone from the mines to the cement plant shall be transported through Overhead Conveyor Belt within a period of two years from date of issue of the Environment Clearance. | Agreed to transport Limestone from mine to cement plant through Overhead Conveyor Belt with in the stipulated time. |
| xiii. | Hot air dryer shall not be installed. Flue gases of preheater shall be used to dry the slag/bottom ash. | Agreed. Flue gases of preheater will be used for drying the slag/bottom ash |
| B. General EC Conditions: | | |
| I. Statutory compliance | | |
| i. | 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. | Agreed and noted for compliance of all applicable legislation. |
| II. Air quality monitoring and preservation | | |
| i. | The project proponent shall install 24x7 Continuous Emission Monitoring System (CEMS) at process stacks to monitor stack emission as well as Continuous Ambient Air Quality Station (CAAQS) 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. | Agreed. All the CEMS and CAAQMS have been ordered. 1. Opacity meter will be installed at the stack of Kiln + Raw Mill, Clinker Cooler, Cement mill and Coal mill. 2. CEMS for PM, SO ₂ & NO _x shall be installed at the stack of Kiln. 3. AAQMS shall be installed for PM ₁₀ , PM _{2.5} , SO ₂ , NO _x and CO. All AAQMS and CEMS will be connected with CPCB and SPCB sever and will be calibrated as per equipment specification through NABL accredited Lab. |
| 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. | Agreed to monitor the fugitive emission in every quarter at the raw material unloading, storage and packing plant area by the recognized Lab under EP Act. |
| iii. | The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags. | Agreed. Leakage detection system and mechanized bag cleaning facilities are being provided. |
| iv. | The project proponent shall ensure covered transportation | Agreed and to be complied. |

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| | and conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash. | |
| v. | The project proponent shall provide wind shelter fence and chemical spraying on the raw material stock piles; | Agreed to provide wind shelter fence and water spray on the raw material stock piles. |
| vi. | Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, and cement bagging plants. | Agreed and to be complied. |

III. Water quality monitoring and preservation

| | | |
|------|--|---|
| i. | The project proponent shall install 24x7 continuous effluent monitoring system with respect to standard prescribed in Environment (Protection) Rules 1986 vide G.S.R. No. 612 (E) dated 25th August 2014 (Cement) and subsequent amendment dated 9th May, 2016 (Cement) and 10th May, 2016 (in case of Co-processing Cement) as amended from time to time; S.O. 3305 (E) dated 7th December 2015 (Thermal Power Plants) 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. | Agreed to install Continuous effluent monitoring system at all Effluent discharge points 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. |
| ii. | The project proponent shall regularly monitor 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. | Agreed to monitor ground water quality twice a year (pre and post monsoon) of plant and adjacent areas through recognized Lab under EP Act/NABL accredited Lab. Refer ANNEXURE NO. – 3 |
| iii. | Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards. | Agreed. STPs are being installed for treatment of domestic sewage water to meet the prescribed standards. |
| iv. | 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 runoff | Agreed to provide garland drains and collection pits for stock pile to arrest the run- off generated during rainy season. |
| v. | Water meters shall be provided at the inlet to all unit processes in the cement plant | Agreed and to be complied. |
| vi. | The project proponent shall make efforts to minimize water consumption in the cement plant complex by segregation of used water, practicing cascade use and by recycling treated water. | Agreed and to be complied. |

IV. Noise and vibration monitoring and prevention

| | | |
|----|--|---|
| i. | Noise quality shall be monitored as per the prescribed Noise Pollution (Regulation And Control) Rules,2000 and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report | Complying. Refer ANNEXURE NO. – 4 |
|----|--|---|

V. Energy Conservation measures

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period From October 2021 to March 2022
Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022

| | | |
|---|---|--|
| i. | Waste heat recovery system shall be provided for kiln and cooler. | Agreed to provide Waste heat recovery system for kiln and cooler. |
| ii. | The project proponent makes efforts to achieve power consumption less than 65 units/ton for Portland Pozzolona Cement (PPC) and 85 units/ton for Ordinary Portland Cement (OPC) production and thermal energy consumption of 670 Kcal/Kg of clinker. | Agreed |
| iii. | 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. | Agreed to provide solar power generation on roof tops of buildings, for solar light system for all common areas, street lights, parking around project area and will be maintained regularly. |
| iv. | Provide the project proponent for LED lights in their offices and residential areas. | Agreed to provide LED lights in offices and residential areas. |
| VI. Waste management | | |
| i. | Used refractories shall be recycled as far as possible. | Agreed |
| VII. Green Belt | | |
| i. | The project proponent shall prepare GHG emissions inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation. | Agreed and complied. Green belt are being developed and till now we have planted a total of 12399 No. of saplings (covering 4.95 Ha area) in FY 2021-22 in and around the periphery of the plant area. |
| VIII. 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. | Agreed to prepare and implement the Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan. |
| ii. | 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 of Factory Act. | Agreed to 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 of Factory Act. |
| iii. | Occupational health surveillance of the workers shall be done on a regular basis and records maintained. | Complying. Health checkups of workers and employees are being done and records are being maintained. Refer ANNEXURE No. – 5 |
| IX. Environment Management | | |
| i. | 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. | CER proposal will be implemented as per Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018. |
| ii. | 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 | Complied. Company has Corporate Environmental Policy duly approved by the Board. Copy of Environmental Policy approved by Board of Director duly approved by the Board (Policy Refer ANNEXURE NO. – 6. |

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period From October 2021 to March 2022
Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022

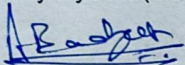
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|--------------------------------|---|--|
| | system of reporting infringements / deviation / violation of the environmental / forest / wildlife norms / conditions and / or shareholders / stake holders. The copy of the board resolution in this regard shall be submitted to the MoEF&CC as a part of six-monthly report. | |
| iii. | 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. | Complied. A separate 'Environmental Management Cell' has been setup. |
| <u>X. Miscellaneous</u> | | |
| i. | 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. | Published in two local newspapers namely Navbharat and Navswadesh dated 08.03.2022 and copy has been submitted to the Ministry and its regional office. Copy of News Paper is attached as ANNEXURE – 9 |
| ii. | 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. | Copy of the EC has been sent by speed post to the Heads of local bodies, Panchayats & govt. bodies has been submitted vide letter No. PN/EMD/MoEF /F01/024, dated 15.10.2020 by speed post |
| iii. | 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. | Agreed to submit six monthly compliance status report on regularly to the MoEF&CC & its concerned Regional Office, CPCB and MPPCB along with result of monitored data. |
| iv. | The project proponent shall monitor the criteria pollutants level namely; PM10, SO2, NOx (ambient levels as well as stack emissions) or critical sectorial 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 company. | Agreed to monitor the criteria pollutants level namely; PM10, PM2.5, SO2, NOx in ambient air, PM in the stack of Kiln+RM, Coal Mill, Clinker Cooler, Cement Mill and Boiler, SO2 and NOx in the stack of Kiln and Boiler and data will be displayed at plant main gate and will be put at company's website. Real time data will be link with the CPCB & MPPCB server. Refer ANNEXURE NO. – 8 |
| v. | 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. | Agreed to upload the six monthly compliance status report to the MoEF&CC website and Climate Change at environment clearance portal. |
| vi. | 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 | Agreed to submit environmental statement for each financial year in Form-V to the MPPCB in prescribed format and put on the website of the company. |

Half Yearly Environment Clearance Compliance Report of M/s Jaykaycem Central Limited, Panna for Period From October 2021 to March 2022
Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022

| | | |
|-------|--|--|
| | company. | |
| vii. | 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. | We will inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project, commencing the land development work and start of production operation by the project. |
| viii. | 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. | We hereby submit the commitment that we will implemented/ executed all the commitments and recommendations made in the EIA/EMP report, commitment made during Public Hearing and also during the presentation to the Expert Appraisal Committee. |
| ix. | 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). | Agreed |
| x. | 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. | Agreed |
| xi. | The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory. | Agreed |
| xii. | The Ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions. | Agreed |
| xiii. | 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. | Agreed |
| xiv. | Any appeal against this EC 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. | Noted. |

Yours Sincerely

For: Jaykaycem (Central) Limited



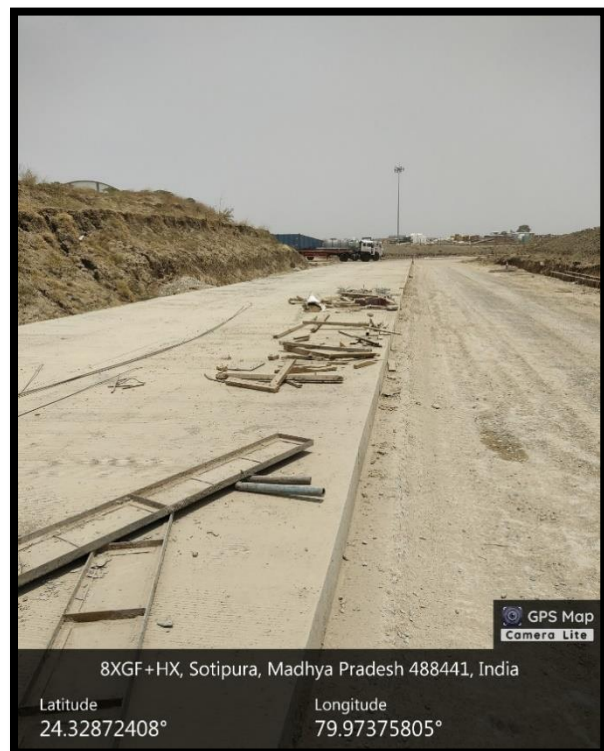
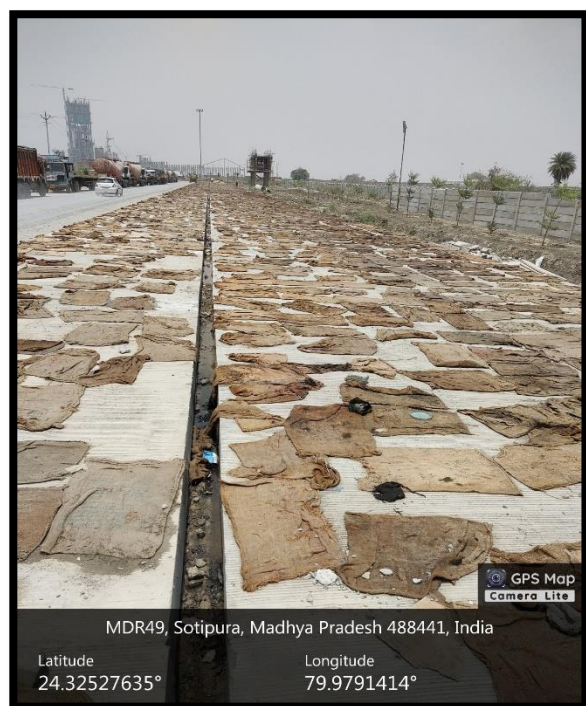
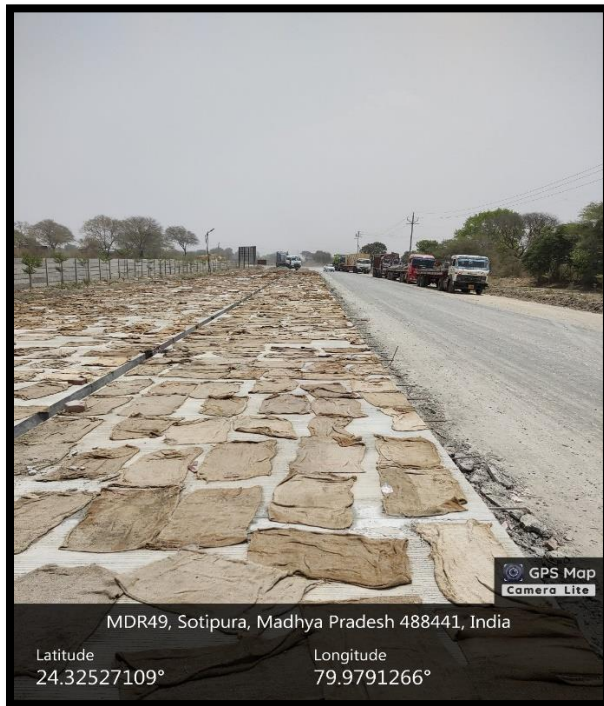
Anil Badgotri

(VP-P&C)

ANNEXURE NO. – 1



ANNEXURE No. – 2



ANNEXURE No. – 3

SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.:U74140RJ2013PTC042216



TC-6960

MoEF&CC RECOGNIZED LABORATORY
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ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

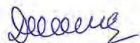
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| Sample ID No.: SCS/W/20211025/01 | Date of Registration: 25.10.2021 |
| Report No. SCS/JKCL/W/20211025/01(2/2) | Date of Report: 29.10.2021 |

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P)
Date of Sample Receipt : 25.10.2021
Date of start of testing : 26.10.2021
Date of end of testing : 29.10.2021
Details of Sample : Water sample collected from Bore well No. 1 (Near Zero Point)
Sample submitted by : Industry Representative

| Parameter | Results | IS – 10500:2012 | | Protocol |
|---|----------------|--------------------------------|--|---------------------------|
| | | Requirement (Acceptable Limit) | Permissible Limit in absence of alternate source | |
| Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts | | | | |
| Phenolic Compounds as C ₆ H ₅ OH | < 0.001 Mg / L | 0.001 Mg / L | 0.002 Mg / L | APHA (23rdEdition) 5530C |
| Selenium as Se | < 0.01 Mg / L | 0.01 Mg / L | No relaxation | APHA (23rdEdition) 3114B |
| Sulphate as SO ₄ | 186.36 Mg / L | 200 Mg / L | 400 Mg / L | APHA (23rdEdition) 4500 E |
| Sulphide as H ₂ S | < 0.05 Mg / L | 0.05 Mg / L | No relaxation | APHA (23rdEdition) 4500 |
| Total Alkalinity as CaCO ₃ | 424.00 Mg / L | 200 Mg / L | 600 Mg / L | APHA (23rdEdition) 2320 |
| Total Hardness as CaCO ₃ | 144.00 Mg / L | 200 Mg / L | 600 Mg / L | APHA (23rdEdition) 2340 C |
| Zinc as Zn | <0.01 Mg / L | 5 Mg / L | 15 Mg / L | APHA (23rdEdition) 3111B |
| Table 3: Parameters containing Toxic Substances | | | | |
| Cadmium as Cd | < 0.003 Mg / L | 0.003 Mg / L | No relaxation | APHA (23rdEdition) 3111B |
| Lead as Pb | < 0.01 Mg / L | 0.01 Mg / L | No relaxation | APHA (23rdEdition) 3111B |
| Mercury as Hg | < 0.001 Mg / L | 0.001 Mg / L | No relaxation | APHA (23rdEdition) 3112B |
| Total Arsenic as As | < 0.005 Mg / L | 0.01 Mg / L | No relaxation | APHA (23rdEdition) 3114B |
| Total Chromium as Cr | < 0.01 Mg / L | 0.05 Mg / L | No relaxation | APHA (23rdEdition) 3111B |
| Nickel as Ni | < 0.01 Mg / L | 0.02 Mg / L | No relaxation | APHA (23rdEdition) 3111B |

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.



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ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

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| Sample ID No.: SCS/W/20211025/02 | Date of Registration: 25.10.2021 |
| Report No. SCS/JKCL/W/20211025/02(1/2) | Date of Report: 29.10.2021 |

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P)
Date of Sample Receipt : 25.10.2021
Date of start of testing : 26.10.2021
Date of end of testing : 29.10.2021
Details of Sample : Water sample collected from Bore well No. 2 (Near Plant Main Gate)
Sample submitted by : Industry Representative

| Parameter | Results | IS – 10500:2012 | | Protocol |
|---|---------------|-----------------------------------|--|---|
| | | Requirement (Acceptable Limit) | Permissible Limit in absence of alternate source | |
| Table 1: Organoleptic and Physical Parameters | | | | |
| Color, Hazen Units | < 1 | 5 | 15 | APHA (23rdEdition) 2120B |
| Odour | Agreeable | Agreeable | Agreeable | IS: 3025 Part 5 - 1983 |
| Taste | Agreeable | Agreeable | Agreeable | IS: 3025 Part 7 - 1984 |
| pH | 7.43 | 6.5 – 8.5 | No Relaxation | APHA (23rdEdition) 4500- H ⁺ |
| Turbidity, NTU | 0.20 | 1 | 5 | APHA (23rdEdition) 2130 |
| Dissolved Solids | 583.00 Mg / L | 500 Mg / L | 2,000 Mg / L | APHA (23rdEdition) 2540 C |
| Electrical Conductivity | 895 µS/cm | - | - | APHA(23rd Edition) 2510-B |
| Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts | | | | |
| Aluminium as Al | < 0.01 Mg / L | 0.03 Mg / L | 0.2 Mg / L | APHA (23rdEdition) 3111D |
| Ammonia (as total ammonia-N) | < 0.2 Mg / L | 0.5 Mg / L | No Relaxation | IS: 3025 Part 34 - 1988 |
| Anionic Detergents as MBAS | < 0.1 Mg / L | 0.2 Mg / L | 1.0 Mg / L | APHA (23rdEdition) 5540C |
| Barium as Ba | <0.1 Mg / L | 0.7 Mg / L | No Relaxation | IS:13428; 2005 |
| Boron as B | < 0.1 Mg / L | 0.5 Mg / L | 2.4 Mg / L | APHA (23rdEdition) 4500B-B |
| Calcium as Ca | 67.20 Mg / L | 75 Mg / L | 200 Mg / L | APHA (23rd Edition) 3500 Ca B |
| Chloramines as Cl ₂ | < 1.0 Mg / L | 4.0 Mg / L | No Relaxation | APHA (23rd Edition) 4500-Cl G |
| Chloride as Cl | 33.99 Mg / L | 250 Mg / L | 1,000 Mg / L | APHA (23rdEdition) 4500 Cl B |
| Copper as Cu | < 0.01 Mg / L | 0.05 Mg / L | 1.5 Mg / L | APHA (23rdEdition) 3111B |
| Fluoride as F | 1.00 Mg / L | 1.0 Mg / L | 1.5 Mg / L | APHA (23rdEdition) 4500 F D |
| Free Residual Chlorine | < 0.1 Mg / L | 0.2 Mg / L | 1.0 Mg / L | APHA (23rdEdition) 4500 Cl B |
| Iron as Fe | 0.03 Mg / L | 0.3 Mg / L | No Relaxation | APHA (23rdEdition) 3111B |
| Magnesium as Mg | 35.96 Mg / L | 30 Mg / L | 100 Mg / L | APHA (23rdEdition) 3500 Mg B |
| Manganese as Mn | < 0.01 Mg / L | 0.1 Mg / L | 0.3 Mg / L | APHA (23rdEdition) 3111B |
| Nitrate as NO ₃ | 24.12 Mg / L | 45 Mg / L | No relaxation | APHA (23rdEdition) 4500 NO ₃ B |

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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ISO-45001:2018 CERTIFIED LABORATORY

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| Sample ID No.: SCS/W/20211025/02 | Date of Registration: 25.10.2021 |
| Report No. SCS/JKCL/W/20211025/02(2/2) | Date of Report: 29.10.2021 |

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P)
Date of Sample Receipt : 25.10.2021
Date of start of testing : 26.10.2021
Date of end of testing : 29.10.2021
Details of Sample : Water sample collected from Bore well No. 2 (Near Plant Main Gate)
Sample submitted by : Industry Representative

| Parameter | Results | IS – 10500:2012 | | Protocol |
|---|----------------|--------------------------------|--|---------------------------|
| | | Requirement (Acceptable Limit) | Permissible Limit in absence of alternate source | |
| Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts | | | | |
| Phenolic Compounds as C ₆ H ₅ OH | < 0.001 Mg / L | 0.001 Mg / L | 0.002 Mg / L | APHA (23rdEdition) 5530C |
| Selenium as Se | < 0.01 Mg / L | 0.01 Mg / L | No relaxation | APHA (23rdEdition) 3114B |
| Sulphate as SO ₄ | 16.35 Mg / L | 200 Mg / L | 400 Mg / L | APHA (23rdEdition) 4500 E |
| Sulphide as H ₂ S | < 0.05 Mg / L | 0.05 Mg / L | No relaxation | APHA (23rdEdition) 4500 |
| Total Alkalinity as CaCO ₃ | 368.00 Mg / L | 200 Mg / L | 600 Mg / L | APHA (23rdEdition) 2320 |
| Total Hardness as CaCO ₃ | 316.00 Mg / L | 200 Mg / L | 600 Mg / L | APHA (23rdEdition) 2340 C |
| Zinc as Zn | <0.01 Mg / L | 5 Mg / L | 15 Mg / L | APHA (23rdEdition) 3111B |
| Table 3: Parameters containing Toxic Substances | | | | |
| Cadmium as Cd | < 0.003 Mg / L | 0.003 Mg / L | No relaxation | APHA (23rdEdition) 3111B |
| Lead as Pb | < 0.01 Mg / L | 0.01 Mg / L | No relaxation | APHA (23rdEdition) 3111B |
| Mercury as Hg | < 0.001 Mg / L | 0.001 Mg / L | No relaxation | APHA (23rdEdition) 3112B |
| Total Arsenic as As | < 0.005 Mg / L | 0.01 Mg / L | No relaxation | APHA (23rdEdition) 3114B |
| Total Chromium as Cr | < 0.01 Mg / L | 0.05 Mg / L | No relaxation | APHA (23rdEdition) 3111B |
| Nickel as Ni | < 0.01 Mg / L | 0.02 Mg / L | No relaxation | APHA (23rdEdition) 3111B |

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.:U74140RJ2013PTC042216



TC-6960

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ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

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| Sample ID No.: SCS/W/20211025/27 | Date of Registration: 25.10.2021 |
| Report No. SCS/JKCL/W/20211025/27(2/2) | Date of Report: 29.10.2021 |

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Sample Receipt : 25.10.2021
Date of start of testing : 26.10.2021
Date of end of testing : 29.10.2021
Details of Sample : Water sample collected from Bore well No. 3 (Near Proposed Old LS Crusher Area)
Sample submitted by : Industry Representative

| Parameter | Results | IS – 10500:2012 | | Protocol |
|---|----------------|--------------------------------|--|---------------------------|
| | | Requirement (Acceptable Limit) | Permissible Limit in absence of alternate source | |
| Table 2: General Parameters Concerning Substances Undesirable in Excess Amounts | | | | |
| Phenolic Compounds as C ₆ H ₅ OH | < 0.001 Mg / L | 0.001 Mg / L | 0.002 Mg / L | APHA (23rdEdition) 5530C |
| Selenium as Se | < 0.01 Mg / L | 0.01 Mg / L | No relaxation | APHA (23rdEdition) 3114B |
| Sulphate as SO ₄ | 279.20 Mg / L | 200 Mg / L | 400 Mg / L | APHA (23rdEdition) 4500 E |
| Sulphide as H ₂ S | < 0.05 Mg / L | 0.05 Mg / L | No relaxation | APHA (23rdEdition) 4500 |
| Total Alkalinity as CaCO ₃ | 344.00 Mg / L | 200 Mg / L | 600 Mg / L | APHA (23rdEdition) 2320 |
| Total Hardness as CaCO ₃ | 532.00 Mg / L | 200 Mg / L | 600 Mg / L | APHA (23rdEdition) 2340 C |
| Zinc as Zn | <0.01 Mg / L | 5 Mg / L | 15 Mg / L | APHA (23rdEdition) 3111B |
| Table 3: Parameters containing Toxic Substances | | | | |
| Cadmium as Cd | < 0.003 Mg / L | 0.003 Mg / L | No relaxation | APHA (23rdEdition) 3111B |
| Lead as Pb | < 0.01 Mg / L | 0.01 Mg / L | No relaxation | APHA (23rdEdition) 3111B |
| Mercury as Hg | < 0.001 Mg / L | 0.001 Mg / L | No relaxation | APHA (23rdEdition) 3112B |
| Total Arsenic as As | < 0.005 Mg / L | 0.01 Mg / L | No relaxation | APHA (23rdEdition) 3114B |
| Total Chromium as Cr | < 0.01 Mg / L | 0.05 Mg / L | No relaxation | APHA (23rdEdition) 3111B |
| Nickel as Ni | < 0.01 Mg / L | 0.05 Mg / L | No relaxation | APHA (23rdEdition) 3111B |

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



- The results refer only to the tested sample and applicable parameters.
- This report in full or in part shall not be used for advertising or as evidence in any court of law.
- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.

SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.:U74140RJ2013PTC042216



TC-6960

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

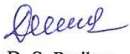
| | |
|---------------------------------------|----------------------------------|
| Sample ID No.: SCS/AN/20211025/05-10 | Date of Registration: 25.10.2021 |
| Report No. SCS/JKCL/AN/20211025/05-10 | Date of Report: 29.10.2021 |

TEST REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P)
Date of Sample Receipt : 25.10.2021
Date of start of testing : 25.10.2021
Date of end of testing : 25.10.2021
Details of Sample : Ambient Noise

| Name of Location | Day Time Monitoring (6AM to 10 PM) | Results dB (A) | Day Time Standard as per EP Act | Night Time Monitoring (10PM to 6 AM) | Results dB (A) | Night Time Standard as per EP Act |
|-------------------------------------|------------------------------------|----------------|---------------------------------|--------------------------------------|----------------|-----------------------------------|
| Near Plant Boundary in SW Direction | 11.10-11.20 Hrs. | 50.6 dB (A) | 75 dB (A) | 22.20-22.30 Hrs. | 41.8 dB (A) | 70 dB (A) |
| Near Project Office | 11.30-11.40 Hrs. | 62.4 dB (A) | 75 dB (A) | 22.40-22.50 Hrs. | 52.4 dB (A) | 70 dB (A) |
| Near Readymix Plant | 11.50-12.00 Hrs. | 59.8 dB (A) | 75 dB (A) | 23.00-23.10 Hrs. | 49.6 dB (A) | 70 dB (A) |
| Near Labour Colony | 12.20-12.30 Hrs. | 50.3 dB (A) | 75 dB (A) | 23.20-23.30 Hrs. | 43.0 dB (A) | 70 dB (A) |
| Near Main Gate of Plant | 12.40-12.50 Hrs. | 55.4 dB (A) | 75 dB (A) | 23.35-23.45 Hrs. | 46.1 dB (A) | 70 dB (A) |
| Near Canteen | 13.00-13.10 Hrs. | 60.2 dB (A) | 75 dB (A) | 23.50-24.00 Hrs. | 50.5 dB (A) | 70 dB (A) |

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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- All disputes are subjected to Jaipur jurisdiction.

ANNEXURE No. – 5



ANNEXURE: 6



Jaykaycem (Central) Ltd.

(CIN: U72305UP1987PLC009162)

(Wholly Owned Subsidiary of JK Cement LTD.)

Phone : +91-512-2371478 to 81
Fax (Office) : +91-512-2399854
Telefax : +91-512-2332665
E-mail : prabhat.srivastava@jkcement.com

Registered Office :
Kamla Tower, Kanpur-208 001 (U.P.) INDIA

JAYKAYCEM (CENTRAL) LIMITED

CORPORATE ENVIRONMENT POLICY

“Jaykaycem (Central) Limited” is an energy and environmental conscious organization. Our environment policy is representation of Company’s vision towards sustainable Development and green business ambitions to make net positive contributions to People, Planet and Stakeholders-and compliance of all applicable environmental laws. We are committed to ensure continuous improvement of environmental performance through:

1. Optimum and sustainable extraction & utilization of natural resources.
2. Conducting all the activities & operation of the company in accordance with all applicable environmental laws, regulations and applicable codes of standards.
3. Implementation of state of the art technology to minimize the impact on environment.
4. Continuous efforts to reduce the GHG emission by use of AFR & agro waste, use of green power (RE and waste heat recovery systems), use of alternative blending materials in cement, energy efficiency measures and implementation of feasible innovative technologies.
5. Continuous efforts to minimize the fresh water utilization via rain water harvesting, recycling & reuse of waste water and contributing towards water positivity and neutrality.
6. Implementation of environmental management plan to minimize or prevent the release of pollutants to the environment (air, water, and soil) by our operations and compliance of applicable environmental legislations.
7. Greenbelt development for improvement in local bio-diversity and conservation through association with local communities, authorities and other stakeholders.
8. Involving the Employees, Suppliers, Vendors, Customers, Clients and other Business Associates to promote awareness among them for their responsibility to achieve our sustainable Goals.
9. Creating awareness among all stakeholders including employees, customers, vendors and supplier for environmental issues as well as compliance of relevant environmental legislation.
10. Reporting of compliances, non-compliances and violations of environmental norms to the concerned authority and also to our stakeholders with measures to address such non-compliance on priority.

For Jaykaycem (Central) Ltd.

Date: 25th May 2021


Ajay Kumar Saraogi
Managing Director



Sites:

Villages : Kakra, Kamtana, Judi, Saptai, Devri-Purohit, Devra, Tehsil – Amanganj, District – Panna, M.P. INDIA.
Village : Ingotha, Tehsil: Hamirpur, District: Hamirpur, U.P. INDIA



Jaykaycem (Central) Ltd.

(CIN: U72305UP1987PLC009162)

(Wholly Owned Subsidiary of JK Cement LTD.)

Phone : +91-512-2371478 to 81
Fax (Office) : +91-512-2399854
Telefax : +91-512-2332665
E-mail : prabhat.srivastava@jkcement.com

Registered Office :
Kamla Tower, Kanpur-208 001 (U.P.) INDIA

ENVIRONMENT MANAGEMENT SYSTEM

1. LEGAL & OTHER REQUIREMENTS

- a) IMS certification and establishment a procedure to identify, access and update legal and other requirements that are applicable to the environmental aspects / impacts. The list of legal and other requirements applicable to our operations are maintained separately and are communicated to our stakeholders. Main legal requirements are as follows:
- Environmental, Forest and Wildlife acts & rules
 - Mines acts & rules
 - Factory acts & rules
 - Boiler acts & rules

2. OPERATIONAL CONTROL PROCEDURES

- a) We have identified our operations and activities that are associated with Environmental aspects and OHS risks in line with our Environmental Policy.
- We have established and maintained SOP's to check out the deviations from Environment Management System.
 - We have maintained rule and regulation register comply with legal and other requirement.
 - We ensure to review control measures and SOP's on regular intervals, effectiveness of system checked by IMS audit and necessary implement.
- b) Relevant Operation Control Measures
- Limestone mines operation- Wet drilling, controlled blasting, maintenance of HEMM, dry fog system at crusher, maintenance and water spray on haul roads etc.
 - Clinkerization- Covered storage of raw materials & fuel, Silos for storage of clinker and cement, use of high efficient pollution control measures such as ESP, Bag house, bag filters at all transfer points, coved conveyors, De-NOx system, concreting roads and movement area, vacuum sweeping, etc.
 - AFR/Plastic Waste Handling System: "State of the Art", fully automated co-processing facilities for receiving, pre-processing, shredding and feeding system of all types of waste materials such as plastic waste, Agro waste, FMCG waste, RDF/SCF/MSW, industrial solid waste mix and liquid waste mix etc.
 - Cement Grinding & Packing- Bag Filters at all transfer points, storage of fly ash in silo and pneumatic Fly ash handling, automatic bag filing machines, use of tarpaulin to each truck and wagon and vacuum sweeping machine.
 - Utility operation- Management of waste/used oil, oily wastes and management by 100% recycling/ sold to authorized recycler in process to maintain ZLD and treatment of domestic sewage water in STP to use for plantation and process.



Sites:

Villages : Kakra, Kamtana, Judi, Saptai, Devri-Purohit, Devra, Tehsil – Amanganj, District – Panna, M.P. INDIA.
Village : Ingotha, Tehsil: Hamirpur, District: Hamirpur, U.P. INDIA



Jaykaycem (Central) Ltd.

(CIN: U72305UP1987PLC009162)

(Wholly Owned Subsidiary of JK Cement LTD.)

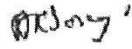
Phone : +91-512-2371478 to 81
Fax (Office) : +91-512-2399854
Telefax : +91-512-2332665
E-mail : prabhat.srivastava@jkcement.com

Registered Office :
Kamla Tower, Kanpur-208 001 (U.P.) INDIA

- General- Dust control by good housekeeping & maintenance, use of dust extraction and recycling systems to remove dust from work areas, contractor activities and task observations. Use of proper personal protective equipment (PPE).
- Plantation in the project area, colony, Quarry and nearby area with native species.

For Jaykaycem (Central) Ltd.

Date: 25th May 2021


Ajay Kumar Saraogi
Managing Director



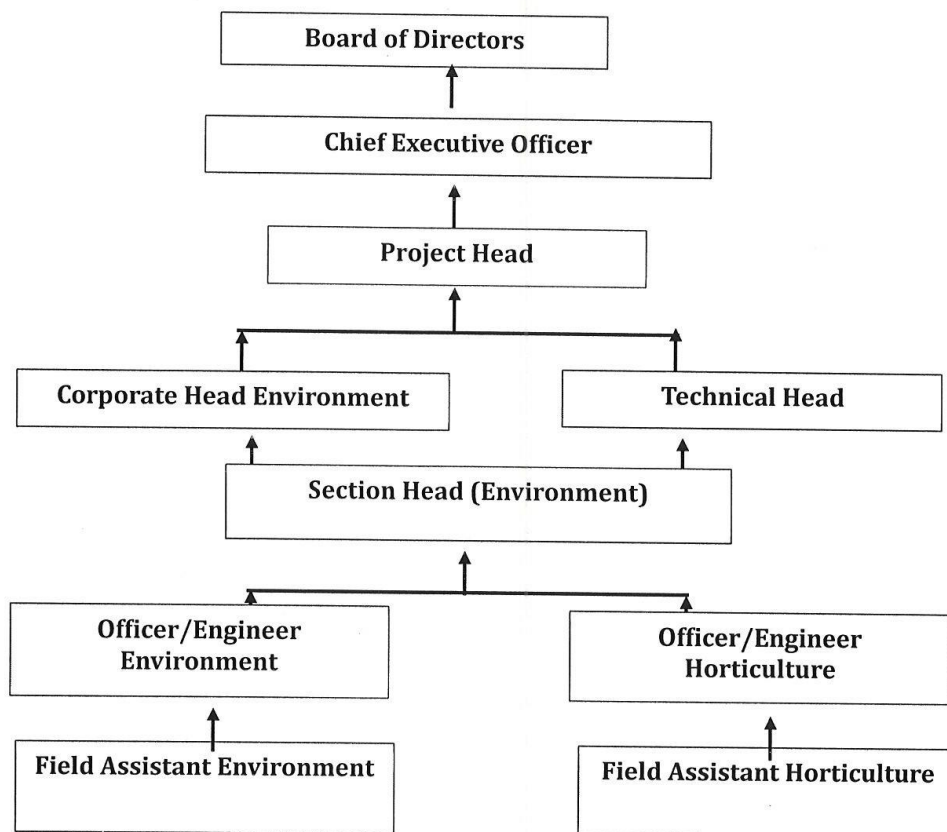
Sites:

Villages : Kakra, Kamtana, Judi, Saptai, Devri-Purohit, Devra, Tehsil – Amanganj, District – Panna, M.P. INDIA.
Village : Ingotha, Tehsil: Hamirpur, District: Hamirpur, U.P. INDIA

3. ROLES & RESPONSIBILITIES FOR EMS

Roles and responsibilities of various personnel, who manage, perform and verify the activities and their impacts on environment and/or OH&S have been defined by the top management as per hierarchy or administrative order by board of directors.

The below organizational structure Management Cell is responsible for any non-compliance/ infringement/ deviation/ violation of the environmental or forest norms under the supervision of Board of Directors.



For Jaykaycem (Central) Ltd.

Date: 25th May 2021

Ajay
Ajay Kumar Saraogi
Managing Director



Sites:

Villages : Kakra, Kamtana, Judi, Saptai, Devri-Purohit, Devra, Tehsil – Amanganj, District – Panna, M.P. INDIA.
Village : Ingotha, Tehsil: Hamirpur, District: Hamirpur, U.P. INDIA

TO WHOMSOEVER IT MAY CONCERNED:

1- Ms Jaykaycem (Central) Limited, having its registered office at Kamla Tower, Kanpur-205001, UP (herein after to be referred as Company) has proposed to establish Greenfield Integrated Clinker/Cement manufacturing unit situated at Villages Harduaken, Puraina, Sotipura, & Madalyan, Tehsil Amanganj District Panna, M.P., and the Ministry of Environment, Forest & Climate Change (MoEF&CC) has granted Environmental Clearance for the Integrated Cement Manufacturing Unit having 5.28 MTPA Clinker Capacity (2.64 MTPAX 2 Phases) 6.00 MTPA Cement Capacity (3 MTPAX 2 Phases), 60 MW Captive Power Plant (40 MW X 2 Phases), 30 MW WHRS Plant (15 MW X2 Phases) and 500 KVA DG set to be established at aforesaid Villages under the EIA Notification, dated 14.09.2006, vide letter dated 14.10.2020 to the Company.

2. The Company apprehends that the Environmental Clearance granted to the

Company may be challenged by any person / legal entity before the Hon' ble National Green Tribunals, Hon'ble High Court, Principal Bench at Jabalpur, M.P. or any other Hon'ble Courts, Authorities, Tribunals and may pray for the ex-parte interim order/injunction against the grant of Environmental Clearance to the Company. The Company has, therefore, proposed to lodge Caveat Petitions before the concerned Hon'ble Courts, Tribunals including National Green Tribunals in this regard.

3- Therefore, any person/legal entity who intend to file any kind of legal case / Petition

Complaint against the grant of Environmental Clearance by MoEF&CC to the Company must provide/furnish an advance copy of Petition/Case/Complaint to the Company's Advocate at the below-mentioned postal address and email address:

**Surender Sharma,
Advocate**

**A-2/101, First Floor coral woods, Hosangabad Road,
Bhopal (m.p.) -462026 mobile: 91-834990999
Email: surendersharma8@gmail.com**

2

नव स्वदेश

पन्ना- जिला

रीवा, गुरुवार 15 अक्टूबर 2020

पर्यावरण स्वीकृति के संबंध में आम सूचना

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय (एम.ओ.ई.एफ.सी.सी.) भारत सरकार नई दिल्ली ने ई.आई.ए. अधिसूचना 2006 के अधीन मेसर्स जेके सेम सेन्ट्रल लिमिटेड ग्रामो-हरदुआकेन, पुरैना, सोतीपुरा व मडैयन तहसील अमानगंज जिला पन्ना (म.प्र.) की प्रस्तावित सीमेंट प्लांट की ग्रीनफील्ड इंटीग्रेटेड सीमेंट परियोजना के लिए पर्यावरण की अनुमति प्रदान की गई है। यह विज्ञापन आम जनता के सूचनार्थ है। पर्यावरण स्वीकृति पत्र क्रमांक IA-J-11011/224/2016-IA-II (I) दिनांक 14.10.2020 की प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड अरेरा कालोनी, पर्यावरण परिसर, भोपाल (म.प्र.) और एम.ओ.ई.एफ.सी. की वेबसाइट www.parivesh.nic.in पर भी उपलब्ध है।

परियोजना प्राधिकारी
जेके सेम सेन्ट्रल लिमिटेड

राज एक्सप्रेस

पन्ना एक्सप्रेस

रतना

गुरुवार, 15 अक्टूबर 2020

12

पर्यावरण स्वीकृति के संबंध में आम सूचना

पर्यावरण वन और जलवायु परिवर्तन मंत्रालय (एम.ओ.ई.एफ.सी.सी.) भारत सरकार नई दिल्ली ने ई.आई.ए. अधिसूचना 2006 के अधीन मेसर्स जेके सेम सेन्ट्रल लिमिटेड ग्रामो-हरदुआकेन, पुरैना, सोतीपुरा व मडैयन तहसील अमानगंज जिला पन्ना (म.प्र.) की प्रस्तावित सीमेंट प्लांट की ग्रीन फील्ड इंटीग्रेटेड सीमेंट परियोजना के लिए पर्यावरण की अनुमति प्रदान की गई है। यह विज्ञापन आम जनता के सूचनार्थ है। पर्यावरण स्वीकृति पत्र क्रमांक IA-J-11011/224/2016-IA-II(I) दिनांक 14.10.2020 की प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड अरेरा कालोनी पर्यावरण परिसर भोपाल म.प्र. और एम.ओ.ई.एफ.सी.सी. की वेबसाइट www.parivesh.nic.in पर उपलब्ध है।

परियोजना प्राधिकारी
जेके सेम सेन्ट्रल लिमिटेड



ANNEXURE No. – 8

SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.:U74140RJ2013PTC042216



TC-6960

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

| | |
|-------------------------------------|----------------------------------|
| Sample ID No.: SCS/AAQ/20220105/01 | Date of Registration: 05.01.2022 |
| Report No. SCS/JKCL/AAQ/20220105/01 | Date of Report: 25.01.2022 |

AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist: Panna (M.P.)
Date of Monitoring : 05.01.2022
Date of start of testing : 08.01.2022
Date of end of testing : 25.01.2022
Duration of sampling : 24 Hrs.
Type of Industry : Cement Manufacturing Industry
Ambient Temperature : 16.3°C
Name of Location : Near Worker colony
Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x

RESULTS

| Parameter | Observed Value | Limit as per NAAQS | Protocol |
|---|--------------------------|-------------------------|---|
| Particulate Matter (PM ₁₀) | 60.2 µg / m ³ | 100 µg / m ³ | IS: 5182 (Part 23): 2006 |
| Particulate Matter (PM _{2.5}) | 37.8 µg / m ³ | 60 µg / m ³ | CARB SOP MLD 055 PM 2.5 gravimetric analysis – revision 9, July 2008 Page 1 of 32 |
| Sulphur Dioxide (SO ₂) | 7.8 µg / m ³ | 80 µg / m ³ | IS: 5182 (Part 2): 2001 RA 2006 |
| Oxide Of Nitrogen (NO _x) | 13.0 µg / m ³ | 80 µg / m ³ | IS: 5182 (Part 6): 2006 |

Per pro SCS Enviro Services Pvt. Ltd.,

[Signature]
Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.:U74140RJ2013PTC042216



TC-6960

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

| | |
|-------------------------------------|----------------------------------|
| Sample ID No.: SCS/AAQ/20220105/02 | Date of Registration: 05.01.2022 |
| Report No. SCS/JKCL/AAQ/20220105/02 | Date of Report: 25.01.2022 |

AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist:
Panna (M.P.)
Date of Monitoring : 05.01.2022
Date of start of testing : 08.01.2022
Date of end of testing : 25.01.2022
Duration of sampling : 24 Hrs.
Type of Industry : Cement Manufacturing Industry
Ambient Temperature : 15.8°C
Name of Location : Near Zero Point (Plant SW direction Boundary)
Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x

RESULTS

| Parameter | Observed Value | Limit as per NAAQS | Protocol |
|---|--------------------------|-------------------------|---|
| Particulate Matter (PM ₁₀) | 50.1 µg / m ³ | 100 µg / m ³ | IS: 5182 (Part 23): 2006 |
| Particulate Matter (PM _{2.5}) | 30.2 µg / m ³ | 60 µg / m ³ | CARB SOP MLD 055 PM 2.5 gravimetric analysis – revision 9, July 2008 Page 1 of 32 |
| Sulphur Dioxide (SO ₂) | 6.5 µg / m ³ | 80 µg / m ³ | IS: 5182 (Part 2): 2001 RA 2006 |
| Oxide Of Nitrogen (NO _x) | 10.0 µg / m ³ | 80 µg / m ³ | IS: 5182 (Part 6): 2006 |

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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SCS SCS ENVIRO SERVICES PRIVATE LIMITED

7, KESAR VIHAR, OPPOSITE KHATU SHYAMJI TEMPLE,
RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.:U74140RJ2013PTC042216



TC-6960

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

| | |
|-------------------------------------|----------------------------------|
| Sample ID No.: SCS/AAQ/20220105/03 | Date of Registration: 05.01.2022 |
| Report No. SCS/JKCL/AAQ/20220105/03 | Date of Report: 25.01.2022 |

AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist:
Panna (M.P)
Date of Monitoring : 06.01.2022
Date of start of testing : 08.01.2022
Date of end of testing : 25.01.2022
Duration of sampling : 24 Hrs.
Type of Industry : Cement Manufacturing Industry
Ambient Temperature : 16.5°C
Name of Location : Near General Store Shed
Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x

RESULTS

| Parameter | Observed Value | Limit as per NAAQS | Protocol |
|---|--------------------------|-------------------------|---|
| Particulate Matter (PM ₁₀) | 64.8 µg / m ³ | 100 µg / m ³ | IS: 5182 (Part 23): 2006 |
| Particulate Matter (PM _{2.5}) | 38.4 µg / m ³ | 60 µg / m ³ | CARB SOP MLD 055 PM 2.5 gravimetric analysis – revision 9, July 2008 Page 1 of 32 |
| Sulphur Dioxide (SO ₂) | 7.8 µg / m ³ | 80 µg / m ³ | IS: 5182 (Part 2): 2001 RA 2006 |
| Oxide Of Nitrogen (NO _x) | 16.0 µg / m ³ | 80 µg / m ³ | IS: 5182 (Part 6): 2006 |

Per pro SCS Enviro Services Pvt. Ltd.,

Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



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RAMNAGARIYA ROAD, JAGATPURA,
JAIPUR-302017, RAJASTHAN (INDIA)
CIN NO.:U74140RJ2013PTC042216

**TC-6960**

MoEF&CC RECOGNIZED LABORATORY
vide S.O. 5768(E) Dated 15.11.2018 Valid upto 14.11.2023
ISO-9001:2015 CERTIFIED LABORATORY
ISO-14001:2015 CERTIFIED LABORATORY
ISO-45001:2018 CERTIFIED LABORATORY

| | |
|-------------------------------------|----------------------------------|
| Sample ID No.: SCS/AAQ/20220105/04 | Date of Registration: 05.01.2022 |
| Report No. SCS/JKCL/AAQ/20220105/04 | Date of Report: 25.01.2022 |


AMBIENT AIR QUALITY MONITORING REPORT

Name of Client : M/S. JAYKAYCEM (CENTRAL) LTD.,
Address of Client : Village: Harduaken, Tehsil: Amanganj, Dist:
Panna (M.P.)
Date of Monitoring : 06.01.2022
Date of start of testing : 08.01.2022
Date of end of testing : 25.01.2022
Duration of sampling : 24 Hrs.
Type of Industry : Cement Manufacturing Industry
Ambient Temperature : 16.0°C
Name of Location : Near Plant Boundary Towards Packing Plant
Parameter required : PM₁₀, PM_{2.5}, SO₂, NO_x

RESULTS

| Parameter | Observed Value | Limit as per NAAQS | Protocol |
|---|--------------------------|-------------------------|---|
| Particulate Matter (PM ₁₀) | 65.2 µg / m ³ | 100 µg / m ³ | IS: 5182 (Part 23): 2006 |
| Particulate Matter (PM _{2.5}) | 40.5 µg / m ³ | 60 µg / m ³ | CARB SOP MLD 055 PM 2.5 gravimetric analysis – revision 9, July 2008 Page 1 of 32 |
| Sulphur Dioxide (SO ₂) | 8.8 µg / m ³ | 80 µg / m ³ | IS: 5182 (Part 2): 2001 RA 2006 |
| Oxide Of Nitrogen (NO _x) | 17.0 µg / m ³ | 80 µg / m ³ | IS: 5182 (Part 6): 2006 |

Per pro SCS Enviro Services Pvt. Ltd.,


Dr. D. S. Parihar
(Technical Manager)
Authorised Signatory



- The results refer only to the tested sample and applicable parameters.
- This report in full or in part, shall not be used for advertising or as evidence in any court of law.
- This report cannot be reproduced without the written permission of the director.
- The sample will be destroyed after 15 days from the date of issue of the test report.
- The liability of the laboratory is limited to the invoiced amount.
- All disputes are subjected to Jaipur jurisdiction.

नवभारत

सतना, मंगलवार 8 मार्च, 2022

पर्यावरण स्वीकृति के संबंध में आम सूचना

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय (एम.ओ.ई.एफ.सी.सी.) भारत सरकार नई दिल्ली ने ई. आई.ए. अधिसूचना 2006 के अधीन मेसर्स जेके सेम (सेंट्रल) लिमिटेड ग्रामों - देवरा, हरदुआकेन, पुरैना, सोतीपुरा, व मडैयन तहसील - अमानगंज, जिला पन्ना (म.प्र.) की प्रस्तावित सीमेंट प्लांट की सीमेंट परियोजना के लिए संशोधित क्षमता (5.28 MTPA से 6.60 MTPA क्लिंकर (3.30 MTPA X 2 चरण), 6 MTPA सीमेंट (3 MTPA X 2 चरण), 80 से 40 MW कैप्टिव पावर (20 X 2 चरण), 30 से 50 MW WHRS (25 X 2 चरण), तथा 500 से 2500 केवीए के डीजी सेटस के लिए पर्यावरण के लिए पर्यावरण की अनुमति प्रदान की गई है। यह विज्ञापन आम जनता के सूचनार्थ है। पर्यावरण स्वीकृति ID क्रमांक EC 22A009MP110720, File no. IA-J-11011/224/2016-IA-II(I) दिनांक 02.03.2022 की प्रति मप्र प्रदूषण नियंत्रण बोर्ड, अरेरा कॉलोनी, पर्यावरण परिसर, भोपाल (म.प्र.) और एम.ओ.ई.एफ.सी.सी. की वेबसाइट www.parivesh.nic.in पर भी उपलब्ध है।

नव स्वदेश**2**

रीवा, मंगलवार 8 मार्च 2022

पर्यावरण स्वीकृति के संबंध में आम सूचना

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय (एम.ओ.ई.एफ.सी.सी.) भारत सरकार नई दिल्ली ने ई.आई.ए. अधिसूचना 2006 के अधीन मेसर्स जेके सेम (सेंट्रल) लिमिटेड ग्रामों - देवरा, हरदुआकेन, पुरैना, सोतीपुरा, व मडैयन तहसील - अमानगंज, जिला पन्ना (म.प्र.) की प्रस्तावित सीमेंट प्लांट की सीमेंट परियोजना के लिए संशोधित क्षमता (5.28 MTPA से 6.60 MTPA क्लिंकर (3.30 MTPA x 2 चरण), 6 MTPA सीमेंट (3 MTPA x 2 चरण), 80 से 40 MW कैप्टिव पावर (20x2 चरण), 30 से 50 MW WHRS (25 x 2 चरण) तथा 500 से 2500 केवीए के डीजी सेटस के लिए पर्यावरण की अनुमति प्रदान की गई है। यह विज्ञापन आम जनता के सूचनार्थ है।

पर्यावरण स्वीकृति ID क्रमांक EC 22A009MP110720, File No. IA-J-11011/224/2016_IA-II (I) दिनांक 02.03.2022 के प्रति म.प्र. प्रदूषण नियंत्रण बोर्ड, अरेरा कॉलोनी, पर्यावरण परिसर, भोपाल (म.प्र.) और एम.ओ.ई.एफ.सी.सी. की वेबसाइट WWW.parivesh.nic.in पर भी उपलब्ध है।

परियोजना प्राधिकारी
जे के सेम (सेंट्रल) लिमिटेड