

Ref. No.: UJ/EMD/MoEF/F 01/008

Date: 29.05.2024

To,
The Member Secretary,
M.P. SEIAA, Paryavaran Parisar, E-5, Arera Colony,
BHOPAL-462 016, E-mail: mpseiaa@gmail.com

Sub.: Submission of the Six-Monthly Compliance Report of stipulated conditions in the Environmental Clearance granted for Proposed Clinker Grinding Unit with Cement Proposed Capacity of 1.5 MTPA and DG Sets (1250 KVA & 125 KVA) by M/s. J.K. Cement Works, Ujjain, (A Unit of JK Cement Limited) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP) for the period: **October 2023 to March 2024.**

Ref.: EC granted by SEIAA, Madhya Pradesh vide letter No.: 7333/ SEIAA, dated: 16.03.2021.

Dear Sir,

With reference to the aforesaid subject and reference matter; we are herewith submitting the Six Monthly Compliance Report of Stipulated conditions given in Environmental Clearance granted by SEIAA, MP for “Proposed Clinker Grinding Unit with Cement Proposed Capacity 1.5 MTPA and DG Sets (1250 KVA & 125 KVA) by M/s. J.K. Cement Works, Ujjain, (A Unit of JK Cement Limited) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)” for the period: **October 2023 to March 2024.**

As per MoEF & CC notification vide No.: S.O. 5845(E) dated 26.11.2018 regarding to submit the Environment Clearance Compliance Report in Soft Copy Only and in compliance to the same, we are hereby submitting the EC Compliance through e-mail for your kind reference and record please.

We trust your good self will find the same in order.

Thanking you and with regards,

For, J.K. Cement Works, Ujjain

(Manish Vaishnav)

(Construction Head)

Encl.: As above

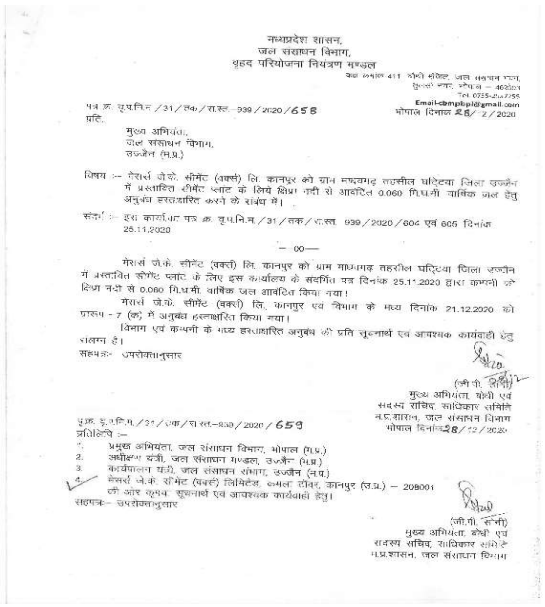
Cc to :-



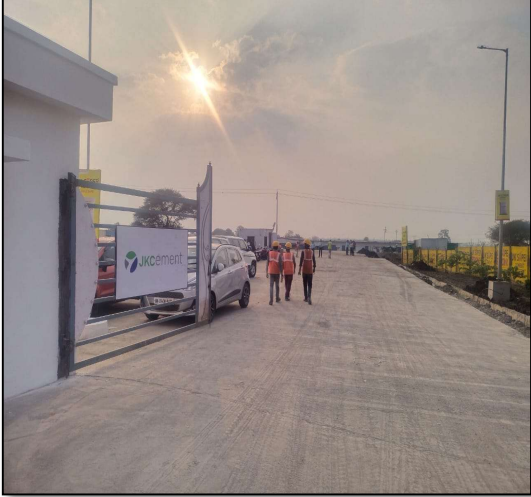
1. The Member Secretary, MP Pollution Control Board, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP), E-mail: msmppcb@mp.gov.in
2. The Regional Officer, MP Pollution Control Board, Bharatpuri, Ujjain (MP), E-mail: ropcb-ujjain@mp.gov.in.
3. The Regional Director, Central Pollution Control Board, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP), E-mail: cpcb.bhopal@gov.in.
4. The Deputy Director General of Forests (C), MoEF&CC, IRO, E-5, Kendriya Paryavaran, Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar, Nagar, Bhopal-462016, E-mail: rowz.bpl-mef@nic.in




Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)	From: October 2023 to March 2024.
---	-----------------------------------

Name & Location of Project	: M/s. J.K. Cement Works, Ujjain, (A Unit of JK Cement Limited) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP).
Clearance Letter No. & Date	: 7333/SEIAA, Dated: 16 th March, 2021
Detail Of Project As Per EC Letter	: Proposed Clinker Grinding Unit with Cement Capacity 1.50 MTPA and D.G Sets (1250 KVA & 125 KVA).
Period of Compliance Report	: October 2023 to March 2024.






S. No.	Conditions	Compliance Status
A	SPECIFIC CONDITION BY SEIAA:	
1.	PP should ensure to use water from river as per approval of WRD and there should be no extraction of ground water for industrial use.	<p>Unit is ensuring that, water withdrawn from Shipra River for Industrial use as per the agreement of WRD, Bhopal dated 25th December 2020. No ground water is extracted for industrial use. Agreement letter of same is enclosed below:</p> 
2.	All the treated wastewater shall be recycled and reused in the processor for dust suppression and green belt development. No process wastewater shall be discharged outside the factory premises and 'zero' discharge should be adopted.	Plant is based on dry-process technology. No Industrial wastewater is generated from cement manufacturing process. Domestic wastewater generated from Plant and Canteen/Pantry to be treated in STP of 10 KLD capacity and the treated domestic wastewater is used for plantation and greenbelt development.

		 <p>Latitude: 23.25939 Longitude: 75.726812 Elevation: 509.6945 m Accuracy: 5.8 m Azimuth: 157° (SE) Pitch: 5.9° (-3.7°) Time: 05-24-2024 12:55 Note: STP</p>
<p>3.</p>	<p>PP should ensure to disposal of solid waste as per CPCB/ MPPCB Norms.</p>	<p>All solid wastes disposed of as per the CPCB/MPPCB norms.</p>
<p>4.</p>	<p>PP should construct settling tank after proper filter media for rainwater harvesting.</p>	<p>Settling tank is being constructed with proper filter media for rainwater harvesting.</p>  <p>Latitude: 23.260969 Longitude: 75.724369 Elevation: 508.99111 m Accuracy: 3.9 m Azimuth: 287° (W) Pitch: -23.0° (-1.8°) Time: 05-24-2024 14:29 Note: RWHT</p>
<p>5.</p>	<p>PP should ensure installation of photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures and energy efficient equipment.</p>	<p>Photovoltaic cells (solar energy) for lighting in common areas, LED light fixtures and energy efficient equipment are being fixed to conserve the electricity.</p>
<p>6.</p>	<p>All parking areas of trucks for transportation of raw material and finished products should be properly paved and concreted to reduce dust pollution. The service road & staff road should be developed separately.</p>	 <p>Truck parking inside and outside of the premises is maintained. In the unit all roads are compacted. Proper space for vehicle movement & basic facilities for the</p>



Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)	From: October 2023 to March 2024.
--	--

		<p>drives & operators is provided. Unit ensures that all vehicle movement area is concreted inside the plant premises before it operates.</p>
<p>7.</p>	<p>Proper parking bays for control of traffic movement within the plant area and plantation should be done on the parking bays.</p>	<p>Dedicated parking area is provided. Plantation is ongoing activity. More than 1500 trees are planted in the premises.</p>  <p>Latitude: 23.25998 Longitude: 75.728296 Elevation: 504.69±3 m Accuracy: ±8 m Azimuth: 316° (NW) Pitch: 0.1° (1.3°) Time: 05-24-2024 14:19 Note: Green belt Powered by: AgisoftScan</p>
<p>8.</p>	<p>Proper Parking facility should be provided for employees & transport used for collection & disposal of waste materials.</p>	<p>Dedicated parking facility is provided for employees & transport used for collection & disposal of waste materials.</p>
<p>9.</p>	<p>PP must ensure to develop area of 3.55 ha by planting of 7000 trees. PP will make sure to have a green belt all around the periphery of plant area. The plants should be 3 years old.</p>	<p>3.55 ha. plantation will be done with 7000 nos. in next 3 years. old saplings and greenbelt are ensured all around the periphery of plant area. However, currently we are planted more than 1500 trees in the premises.</p>




		 <p>Latitude: 23.25998 Longitude: 75.728296 Elevation: 504.69±3 m Accuracy: 3.8 m Azimuth: 316° (NW) Pitch: 0.1° (1.3°) Time: 05-24-2024 14:19 Note: Green belt</p> <p style="text-align: right; color: red; font-size: small;">Powered by AngptCam</p>
<p>10.</p>	<p>Necessary provision shall be made for fire-fighting facilities within the complex.</p>	<p>Fire hydrant line and sprinkler system installation and commissioning done.</p>  <p>Latitude: 23.255993 Longitude: 75.722066 Elevation: 508.99±20 m Accuracy: 2100.0 m Azimuth: 8° (N) Pitch: 20.0° Time: 05-26-2024 15:38</p>  <p>Latitude: 23.260122 Longitude: 75.723292 Elevation: 490.14±10 m Accuracy: 11.6 m Azimuth: 342° (N) Pitch: 1.4° Time: 05-28-2024 15:35 Note: fire hydrant line</p> <p style="text-align: right; color: red; font-size: small;">Powered by AngptCam</p>
<p>11.</p>	<p>PP should carryout periodical air quality monitoring in and around the site including VOC, HC</p>	<p>Ambient air quality monitoring carried out in the plant premises.</p>

		 SAND R ENVIROLAB LLP <small>NABL Accredited Testing Laboratory (Certificate No. TC-11493) ISO 9001, ISO 14001 & OHSAS 45001 Certified Laboratory</small> 																														
		TEST REPORT Page : 1 of 1 <small>Issued to: M/S JK Cement LTD, UJJAIN (A Unit of JK Cement Ltd.) Village-Madhavgarh, Tehsil: Ghatiya, Nagda, Distt. Ujjain (MP) Pin.-466003</small> <div style="float: right; text-align: right;"> <small>ULR No. : TC114932400000913 Sample I.D. : SRE/JAA/1904/2024005 Sample Received : 18/04/2024 Date of Issue : 23/04/2024 Reference No. : TRF</small> </div>																														
		SAMPLE PARTICULARS Name of the Sample : Ambient Air Quality Monitoring Details of Sampling 1. Date of Sampling : 16/04/2024 to 17/04/2024 2. Sampling Protocol : IS:5182(P-14) 3. Equipment Used : RDS&PM 2.5 Sampler 4. Sampling Done By : SREL 5. Duration of Sampling : 24 Hrs. 6. Sampling Location : Near Main gate Physical Observation (a) Ambient temp.(Min/Max) : 26°C/36°C (b) Weather Cond. : Clear (c) Wind Direction : West to East (d) Sampling Flow Rate For Gases LPM :0.5 (e) Sampling Flow Rate For RSPM/ PM-10 (Ave). m ³ /min. : 1.235																														
		TEST RESULTS Test Started on : 18/04/2024 Test Completed on : 23/04/2024 <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>S.No.</th> <th>Parameters</th> <th>Units</th> <th>Results</th> <th>NAAQS Limit</th> <th>Test Method</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Particulate Matter (PM₁₀)</td> <td>µg/m³</td> <td>64.6</td> <td>100.0</td> <td>IS: 5182 P-13</td> </tr> <tr> <td>2.</td> <td>Particulate Matter (PM_{2.5})</td> <td>µg/m³</td> <td>45.9</td> <td>60.0</td> <td>IS: 5182 P-14</td> </tr> <tr> <td>3.</td> <td>Nitrogen Dioxide (NO₂)</td> <td>µg/m³</td> <td>21.4</td> <td>80.0</td> <td>IS: 5182 P-6</td> </tr> <tr> <td>4.</td> <td>Sulphur Dioxide (SO₂)</td> <td>µg/m³</td> <td>8.2</td> <td>80.0</td> <td>IS: 5182 P-2</td> </tr> </tbody> </table>	S.No.	Parameters	Units	Results	NAAQS Limit	Test Method	1.	Particulate Matter (PM ₁₀)	µg/m ³	64.6	100.0	IS: 5182 P-13	2.	Particulate Matter (PM _{2.5})	µg/m ³	45.9	60.0	IS: 5182 P-14	3.	Nitrogen Dioxide (NO ₂)	µg/m ³	21.4	80.0	IS: 5182 P-6	4.	Sulphur Dioxide (SO ₂)	µg/m ³	8.2	80.0	IS: 5182 P-2
S.No.	Parameters	Units	Results	NAAQS Limit	Test Method																											
1.	Particulate Matter (PM ₁₀)	µg/m ³	64.6	100.0	IS: 5182 P-13																											
2.	Particulate Matter (PM _{2.5})	µg/m ³	45.9	60.0	IS: 5182 P-14																											
3.	Nitrogen Dioxide (NO ₂)	µg/m ³	21.4	80.0	IS: 5182 P-6																											
4.	Sulphur Dioxide (SO ₂)	µg/m ³	8.2	80.0	IS: 5182 P-2																											
		<small>Remark : NAAQS- National Ambient Air Quality Standard Schedule -VII (Rule 3 (3B)), [Part -II-sec-3(i)] 18.11.2009 Opinion/Interpretation ***End of Report*** Note: • The results listed refer only to the tested sample and applicable parameter. • This report, in full or in part, shall not be used for advertising or as evidence in any court of law. • This report can not be reproduced, except when in full, without the written permission of the Director. • The sample will be destroyed after three weeks from the date of issue of the test report. (in case of non-perishable products only)</small>																														
		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <small>Checked By Dr. Ramesh Chandra Tripathi Quality Manager</small> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">  <small>Authorized Signatory Rambhar Singh Technical Director</small> </div> </div>																														
		<small>Add. Plot No.-96, Sector-7, IMT Manesar, Gurugram, Haryana-122052 (India) Tel: 0124-4240147, M. +91 7603857000, +91 7015479139 Email: srenvirolab@gmail.com</small>																														
12.	All environmental parameters regarding air & water should be analysed every year and in case of any deviation from the permissible limit, corrective measures be taken for improvement of environmental conditions.	All environmental parameters regarding air & water parameters are analysed at regular time intervals. corrective measures are to be taken for improvement of environmental conditions in case of any deviation from the permissible limit.																														
13.	PP should plan the CER activities as per local villagers needs such as construction of toilets, upgradation of infrastructures in schools & aanganwadi respective villages area and also consult District administration/Panchayat for implementation of the CER activities and submit the same to MPSEIAA.	Noted and Agreed.																														
B	SPECIFIC CONDITIONS AS RECOMMENDED BY SEAC:																															
I	Statutory Compliance																															
i	The project proponent shall obtain Consent to Establish/Operate under the provisions of Air (Prevention & Control of Pollution) Act, 1981 and the Water (Prevention & Control of Pollution) Act, 1974 from the concerned State Pollution Control Board/ Committee.	Unit has obtained the Consent to Operate vide CTO Consent No: AW-58947, PCB ID-142967, dated 27.09.2023 which is valid till 31.08.2024 .																														




Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP) **From: October 2023 to March 2024.**



		 <p style="text-align: right;">राज्य पर्यावरण संरक्षण विभाग Tel: 0755-2466191, Fax-0755-2463742</p> <p>RED-LARGE CCA-Fresh CONSENT NO: *** PCB ID: 142967</p> <p>NO: /MPPCB/UJJ Outward No:118917,27/09/2023 Consent No:AW-58947</p> <p>To, The Occupier, M/s. J.K. Cement Works, Ujjain (A Unit Of J.K. Cement Limited), Khasra No. 17, 24, 25, 36, 37, 38, 39 and 41, Village: Madhavgarh, Village/ City : Madhavgarh, Tal : Ghatiya Dist : Ujjain, (MP).</p> <p>Subject: Grant of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act,1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981</p> <p>Ref: Your Consent to Operate Application Receipt No. 1299415 Dt. 28/08/2023 and last communication received on Dt.25/08/2023</p> <p>With reference to your above application for consent to operate has been considered under section 25 of the Water (Prevention & Control of Pollution) Act,1974 under section 21 of the Air (Prevention & Control of Pollution) Act,1981 and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to 31/08/2024, subject to the fulfillment of the terms & conditions, enclosed with this letter and-</p> <p>SUBJECT TO THE FOLLOWING CONDITIONS :</p> <p>a. Location: Khasra No. 17, 24, 25, 36, 37, 38, 39 and 41, Village: Madhavgarh , Madhavgarh, Ghatiya, Ujjain Latitude : 23.2595 Longitude : 75.7248</p> <p>b. The capital investment in lakhs: Rs. 418.96</p> <p>c. Product & Production Capacity:</p> <table border="1" data-bbox="901 751 1388 865"> <thead> <tr> <th>Product</th> <th>Production capacity / year</th> </tr> </thead> <tbody> <tr> <td>OPC/PPC/PSC/Composite Cement from Clinker</td> <td>1500000 M.T/ year (Fifteen Lakh metric tons per Year)</td> </tr> <tr> <td>DG Sets</td> <td>1250, KVA (One thousand two hundred fifty)</td> </tr> <tr> <td>HAG (Hot Air Generator)</td> <td>33, MWH (Thirty tree megawatt hour)</td> </tr> </tbody> </table>	Product	Production capacity / year	OPC/PPC/PSC/Composite Cement from Clinker	1500000 M.T/ year (Fifteen Lakh metric tons per Year)	DG Sets	1250, KVA (One thousand two hundred fifty)	HAG (Hot Air Generator)	33, MWH (Thirty tree megawatt hour)
Product	Production capacity / year									
OPC/PPC/PSC/Composite Cement from Clinker	1500000 M.T/ year (Fifteen Lakh metric tons per Year)									
DG Sets	1250, KVA (One thousand two hundred fifty)									
HAG (Hot Air Generator)	33, MWH (Thirty tree megawatt hour)									
ii	<p>The project proponent shall obtain the necessary permission from the Central Ground Water Authority, in case of drawl of ground water from the competent authority concerned in case of drawl of surface water required for the project.</p>	<p>Unit has obtained the NOC for withdrawal of ground water of 20 KLD for domestic use vide letter No.: CGWA/NOC/IND/ORIG/2020/8961 on 19th November 2020 and for industrial use; agreement have been done with WRD, Bhopal for lifting of 164 KLD water on 25th Dec 2020 from Shipra River. NOC of the same is attached below.</p> 								
iii	<p>The project proponent shall obtain authorization under the Hazardous and other Waste Management Rules, 2016 as amended from time to time.</p>	<p>Authorization under the Hazardous and Other Waste Management Rules, 2016 will be obtained soon.</p>								
II	<p>Air Quality monitoring and preservation</p>									
i	<p>The project proponent shall install 24x7 continuous emission monitoring system at process stacks to</p>	<p>Continuous online emission monitoring system is installed and same is connected to SPCB and CPCB online</p>								

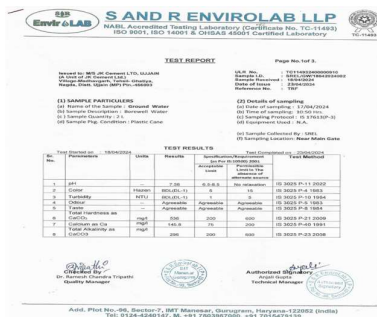

Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)	From: October 2023 to March 2024.
--	--

	<p>monitor stack emission with respect to standards prescribed in Environment (Protection) Rules, 1986 vide G.S.R. No. 612 (E) dated 25th August, 2014 (Cement) and subsequent amendment dated 19th May, 2016 (Cement) 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.</p>	<p>servers and this system is calibrated from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.</p> 
ii	<p>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</p>	<p>Fugitive emission monitoring is carried out through labs recognized under Environment (Protection) Act, 1986 on quarterly basis as project commissioned. Reports of the same is attached as Annexure-1...</p> 
iii	<p>The project proponent shall install Manual 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) at plant Boundary (at least at three locations area at an angle of 120° each).</p>	<p>Manual Ambient Air Quality monitoring station is installed, and monitoring of applicable parameters is done as per the prescribed norms. Reports of the same is attached as Annexure-2...</p> 
iv	<p>The project proponent shall submit monthly summary report of continuous stack emission and air</p>	<p>Monthly summary report of continuous stack emission & air quality monitoring and results of manual stack</p>

Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)	From: October 2023 to March 2024.
--	--

	<p>quality monitoring and results of manual stack monitoring and manual monitoring of air quality/ fugitive emissions to Regional Office of MoEF&CC, Zonal Office of CPCB and Regional Office of SPCS along with six monthly monitoring report.</p>	<p>monitoring and manual monitoring of air quality/ fugitive emissions is being submitted to Regional Office of MoEF & CC, Zonal Office of CPCB and Regional Office of SPCB along with Six Monthly Monitoring Report.</p>
v	<p>Appropriate Air Pollution Control (APC) system shall be provided for all the dust generating points including fugitive dust from all vulnerable sources so as to comply prescribed stack emission and fugitive emission standards.</p>	<p>Appropriate Air Pollution Control (APC) system is installed at all suitable dust generating points. The prescribed stack emission as well as fugitive emission standards are well within limits. Adequate numbers of</p> <div style="text-align: center;">  <p style="font-size: 8px; margin: 0;">Latitude: 23.1939° Longitude: 75.4536° Elevation: 500.2548 m Accuracy: 3.0 m Time: 05-23-2023 10:10 Note: M/S J.K. Cement Works Clinker Grinding Unit Bulk Receiving Unit with two large Bag filters attached</p> </div> <p>air pollution control devices i.e. Bag House and bag filters has been installed.</p> <div style="text-align: center;">  <p style="font-size: 8px; margin: 0;">Latitude: 23.260484 Longitude: 75.725492 Elevation: 510.19412 m Accuracy: 3.0 m Azimuth: 124° (S) Pitch: 89.2° (108.0°) Time: 05-24-2024 14:26 Note: Bag House</p> </div>
vi	<p>The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.</p>	<p>Leakage detection and mechanized bag cleaning facilities for better maintenance of bags is provided.</p>
vii	<p>Pollution control system in the cement plant shall be provided as per the CREP Guidelines of CPCB.</p>	<p>Pollution control system implemented in the unit as per the CREP Guidelines of CPCB.</p>
viii	<p>Sufficient number of mobile or stationery vacuum cleaners shall be provided to clean plant roads, shop floors, roofs, regularly.</p>	<p>Sufficient number of mobile or stationery vacuum cleaners is provided to clean the plant roads, shop floors, roofs, regularly.</p>
ix	<p>Ensure covered transportation and conveying of raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.</p>	<p>Covered transportation and covered belt conveyors is ensured to prevent spillage and dust generation and closed bulkers will be used for carrying fly ash.</p> <div style="text-align: center;">  <p style="font-size: 8px; margin: 0;">Latitude: 23.260211 Longitude: 75.725531 Elevation: 510.19412 m Accuracy: 3.0 m Azimuth: 142° (S) Pitch: 89.2° (108.0°) Time: 05-28-2024 18:25 Note: Covered belt</p> </div>

		 <p style="font-size: small; margin-top: 5px;"> Latitude: 23.259268 Longitude: 75.754939 Elevation: 588.25+13 m Accuracy: 6.8 m Azimuth: 174° (S) Pitch: 1.4° (S 0°) Time: 02-28-2024 16:01 Note: Flyash bulker Powered by AngieCam </p>
x	Provide wind shelter fence and chemical spraying on the raw material stockpiles.	wind shelter fence and chemical spraying on the raw material stockpiles is provided.
xi	Have separate truck parking area and monitor vehicular emissions at regular interval.	Separate truck parking is provided, and vehicles are allowed with having valid PUC Certificate only.
		 <p style="font-size: small; margin-top: 5px;"> Latitude: 23.259272 Longitude: 75.724821 Elevation: 497.45±5 m Accuracy: 3.0 m Azimuth: 167 (E) Pitch: 3.0° Time: 03-24-2024 12:04 Note: Truck parking Powered by AngieCam </p>
xii	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.	<p>CPCB Environmental Guidelines for Prevention and Control of Fugitive emissions are being followed by the unit.</p> <ol style="list-style-type: none"> 1. Covered storages / silos have been provided for Clinker, Fly Ash, Gypsum and Cement storage. 2. Closed unloading hoppers for unloading of clinker. 3. Bag filters have been provided at all material transfer points. 4. All transfer points and storage silos are provided with dust extraction system for effective control of fugitive dust emissions. 5. The dust collected from the pollution control equipment is being recycled back into the process. 6. Covered sheds and silos constructed for raw materials. 7. All raw material transfer conveyor is covered. 8. All conveyor belts is covered. 9. All movement area is being compacted
xiii	Ventilation system shall be designed for adequate air changes as per ACGIH document for all tunnels, motor houses, and cement bagging plants.	Unit ensures the proper ventilation system at all tunnels, motor houses, and cement bagging plants as per ACGIH, after project is in operation.
III	Water Quality Monitoring and Preservation	
i	The project proponent shall monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of	The unit monitor the ground water quality twice a year (pre and post monsoon) in the grinding unit and adjacent area through MoEF&CC approved and NABL accredited




	piezometers/sampling wells in the plant and adjacent area through labs recognized under Environment (protection) Act, 1986 and NABL accredited laboratories.	laboratories. Reports of the same is attached as Annexure-3... 
ii	Adhere to 'Zero Liquid Discharge'.	"Zero Liquid Discharge" during plant operation is maintained.
iii	Sewage Treatment Plant shall be properly maintained and operated for treatment of domestic waste water to meet the prescribed standard.	STP for treating the domestic wastewater properly maintained and operated to meet the prescribed standards.
iv	Garland drain 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.	All raw materials are stored under covered shed and silo. Separate storm water drains are provided. 
v	The project proponent shall continue the practice of rainwater harvesting to maximum possible extent.	Rainwater harvesting structures are constructed.
vi	Water meter shall be provided at the inlet to all unit processes in the cement.	Unit are provided with water meter at all the suitable points that involves in the processes in the cement.


Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)	From: October 2023 to March 2024.
---	-----------------------------------

vii	The project proponent shall make efforts to minimize water consumption in the steel plant complex by segregation of used water, practising cascade use and by recycling treated water.	This condition is not applicable, as the said project is a Clinker Grinding Unit.
IV	Noise Monitoring and Prevention:	
i	Noise level survey shall be carried as per the prescribed guidelines and report in this regard shall be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report.	Noise level monitoring is being carried out as per the prescribed guidelines and report will be submitted to Regional Officer of the Ministry as a part of six-monthly compliance report, after start of the plant operation.
ii	The ambient noise levels should conform to the standards prescribed under E(P)A Rules, 1986 viz. 75 dB(A) during day time and 70DB(A) during night time.	Ambient air noise level is confirmed to the standard as prescribed under EPA rule after commissioning the plant operation.
V	Energy Conservation Measures:	
i	Provide solar power generation on rooftops of buildings, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly.	<p>solar lighting system is provided for all common areas</p>
ii	Provide the project proponent for LED lights in their offices and residential areas.	LED lights is provided in offices and residential area
iii	Maximize utilization of fly ash, slag and sweetener in cement blend as per SIS standards.	Maximize utilization of fly ash, slag and sweetener in cement blend is ensured as per SIS standards.
VI	Waste Management:	
i	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Trans boundary Movement) Rules, 2016.	All the hazardous wastes will be sold out to CPCB Authorized recycler as per the Hazardous & Other waste (Management & Trans boundary Movement) Rules, 2016 after starting of plant operations.

Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)	From: October 2023 to March 2024.
--	--

ii	Kitchen waste shall be composted or converted to biogas for further use. (to be decided on case to case basis depending on type and size of plants).	Possibility of installation of biogas plant will be explored on the basis of quantity of kitchen waste generated otherwise bio-digester will be installed and digested material will be used as manure for plantation.
iii	Soil analysis with heavy metals shall be done once in a year.	Annual soil analysis for heavy metals will be carried out in next compliance
iv	Fly ash shall be used 100% in-house.	Not applicable, as no fly ash will be generated from proposed project operation as Project is clinker grinding unit.
v	Coal shall be used minimum (<35%) ash content.	Unit ensures that the coal will be used with minimum (<35%) ash content after starting of plant operations.
VII	Green Belt:	
i	Green belt shall be developed in an area equal to 33% (7000 nos. in 3.55ha.) of the plant area with a native tree species in accordance with CPCS guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Greenbelt development is ongoing activity and will be developed in phase wise manner in an area equal to 33% with cover entire periphery of the plant area. However, currently we are planted more than 1500 trees in the premises.
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.	Unit will prepare GHG emissions inventory and will submit the programme for reduction of the same including carbon sequestration and plantation after start of the plant operation.
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.	Emergency preparedness plan based on the Hazard Identification, Risk Assessment (HIRA) and Disaster Management Plan are being prepared and implemented.
ii	The PP shall provide Personal Protection Equipment (PPE) as per the norms of Factory Act.	PPE's are provided to all the workers and employees as per the norms of Factory Act.
iii	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.	All necessary infrastructures such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. is being provided to the labour.
iv	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Annual health check-up is carried out as per factory act .
IX	EMP:	
i	In the proposed EMP, capital cost is Rs. 22.74 Crore Lakh is proposed and Rs.1.23 Crore Lakh /year as recurring expenses.	Unit will implement the EMP as per submitted action plan during EC

ii	PP shall propose physical targets based on public hearing under Corporate Environment Responsibility (CER).		Noted
	S. No.	Activities	Action
	A	Employment	
	1.	Total manpower requirement for the proposed project will be around 250 persons during operation phase. During construction phase, around 475 contractual workers and 25 permanent employees will be employed. Preference will be given to local people on the basis of their eligibility.	We have hired 83% local manpower in our plant on the basis of their eligibility.
	B.	CSR Related	
	1.	Construction of Community centre at villages Madhavgarh, Khalana and Sodang, Size - 18 x 20 feet = 360 square feet. Renovation like White wash and minor repairing of school in villages Madhavgarh, Khalana, Chakrada, Sodang, Gunaya.	White wash done at madhavghar school and new school hall constructed at Nanakhedi village  
	2.	Renovation like White wash and minor repairing of health centre in villages Khalana, Chakrada, Sodang, Gunaya.	Will be initiate in Q-3
	3.	Strengthening and widening road network of approx. 1.4 km from Project site at villages Madhavgarh, connecting with SH-17. RCC Road width from 3 to 7 meter.	Strengthening and widening road network from Project site to SH-17. 
	4.	Widening of the road Connecting road from SH - 17 to Madhavgarh, width - 3.5 meter, Length - 300 meter.	Link road constructed for madhavghar

			
C.	Drinking Water	Under Process	
1.	Tanker cost for transportation of 15 KLD will be borne by company in village Madhavgarh. Required amount will be paid to the Panchayat by the company against transportation only.	Under Process	
2.	One water tank of 5 KL will be provided to Madhavgarh village.	Under Process	
3.	If, required by the Panchayat, one bore well will be constructed for Madhavgarh and cost will be paid by the company.	Till date no requirement received from Panchayat	
D.	Plantation		
1.	Plantation development in nearby areas in 3 years. Total saplings will be 4000.	Will be initiate in Manson in Q-2	
2.	Along the Road from SH - 17 to Village Khalana via plant, 2.5 KM, Plantation - 1660 nos.	Will be initiate in Manson in Q-2	
3.	Govt. School Gunaya-50 nos. saplings along school boundary.	Will be initiate in Manson in Q-2	
4.	Govt. School Sodang-50 nos. saplings along school boundary	Will be initiate in Manson in Q-2	
5.	Link road to Madhavgarh-50 nos. saplings Hill area of Madhavgarh, 2190 nos. in 1.5 ha.	Will be initiate in Manson in Q-2	
iii	The project proponent shall comply with the provisions as applicable, regarding Corporate Environment Responsibility.	Ensuring the all CER compliances	
iv	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 policy duly approves by the Board of Directors vide letter No.: UJ/EMD/MoEF/F01/004 dated 28.05.2021 have been submitted.	

Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)	From: October 2023 to March 2024.
---	-----------------------------------

	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.	
v	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.	Environmental Cell both at the project and company head quarter level are being established.
vi	Action plan for implementing EMP and environmental conditions along with responsibility matrix of the company shall be prepared and shall be duly approved by competent authority. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Year wise progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six Monthly Compliance Report.	Year wise progress of implementation of action plan is being submitted to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
vii	Self-environmental audit shall be conducted annually. Every three years third party environmental audit shall be carried out.	Self-environmental audit is conducted regularly. Unit will ensure within three-year third-party audit will be done
viii	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants shall be implemented.	All the applicable Recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the plants is implemented.
X	Miscellaneous:	
i	The project proponent shall monitor the criteria pollutants level namely; stack emissions) and display the same at a convenient location for disclosure to the public and put on the website of the company.	Criteria pollutants level of stack emissions and display of the same at a convenient location for disclosure to the public will be done and will be uploaded on company website after starting of plant operation.
ii	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.	Six-monthly reports on the status of the compliance of the stipulated environmental conditions are being uploaded on the website of the ministry of Environment, Forest and Climate Change at environment clearance portal.
iii	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	Noted

	development work and start of production operation by the project.	
iv	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted
v	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.	Noted
vi	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).	Noted
vii	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
viii	The Company in a time bound manner shall implement these conditions.	Agreed
ix	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.	Agreed
Standard Conditions:		
1	Regular monitoring of influent and effluent, surface, sub-surface and ground water should be ensured and treated waste water should meet the norms prescribed by the MPPCB or described under the Environment (Protection) Act, 1986 whichever are more stringent.	Regular quality monitoring of influent and effluent, surface, sub-surface and ground water is being carried out.
2.	Project Proponent has to strictly follow the direction/guidelines issued by MoEF, CPCB and other Govt. Agencies from time to time.	Agreed

Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)

From: October 2023 to March 2024.

3.	The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year wise expenditure shall be reported to the MoEF & CC, Gol, and its Regional Office, Bhopal.	Unit will report the year wise expenditure to the MoEF & CC, Gol, and its Regional Office, Bhopal after Start of the plant operation.
4.	A copy of the environmental clearance shall be submitted by the Project Proponent to the Heads of the Local Bodies (Panchayat and Municipal Bodies), District Collector and DFO as applicable and responsible for controlling the proposed projects who in turn has to display the same for 30 days from the date of receipt.	A copy of the environmental clearance has been submitted to the Heads of the Local Bodies (Panchayat and Municipal Bodies), District Collector and DFO vide letter No. UJ/EMD/CWLA/F 12/020 dated 17.03.21. Copy of the same has been submitted vide letter No.: UJ/EMD/MoEF/F01/004 dated 28.05.2021.
5.	The Project Proponent shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at website of the MoEF & CC, Gol and State Level Environment Impact Assessment Authority (SEIAA) at www.environmentclearance.nic.in & www.mpseiaa.nic.in and a copy of the same shall be forwarded to the Regional Office, MoEF & CC, Gol, Bhopal.	Closed. Unit has made EC granted advertisement in 02 Newspapers namely - Dainik Jagran & Dainik Agnipath on 19.03.2021 and copy of the same has already been submitted to the RO-MoEF & CC, Bhopal vide letter No.: UJ/EMD/MoEF/F01/ 004 dated 28.05.2021. Copy of the same are enclosed below for your ready reference please.

		<div style="border: 1px solid black; padding: 5px;"> <p align="center">पर्यावरण स्वीकृति के संबंध में आम सूचना</p> <p>पर्यावरण वन और जलवायु परिवर्तन मंत्रालय (एम.ओ.ई.एफ, सी.सी.) भारत सरकार नई दिल्ली की ई.आई.ए. अधिसूचना-2006 के अधीन मैसर्स जे.के. सीमेंट वर्क्स, ग्राम-माधवगढ़, तहसील घटिया, जिला-उज्जैन, (मध्यप्रदेश) की प्रस्तावित परियोजना, क्लींकर ग्राइंडिंग यूनिट, उत्पादन क्षमता-1.5 मिलियन मेट्रिक टन प्रति वर्ष के लिए एस.ई.ए.सी./एस.ई.आई.ए.ए. मध्यप्रदेश के द्वारा पर्यावरण की अनुमति प्रदान की गई है। यह विज्ञापन आम जनता के सूचनार्थ है। पर्यावरण स्वीकृति पत्र क्रमांक 7333/SEIAA/दिनांक 16.3.2021 की प्रति मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड, भोपाल मध्यप्रदेश एवं www.environmentclearance.nic.in and www.mpseiaa.nic.in की वेबसाइट पर भी उपलब्ध है।</p> <p align="right">महाप्रबंधक, अधिकृत हस्ताक्षरकर्ता जे.के. सीमेंट वर्क्स, उज्जैन</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p align="center">पर्यावरण स्वीकृति के संबंध में आम सूचना</p> <p>पर्यावरण वन और जलवायु परिवर्तन मंत्रालय (एम.ओ.ई.एफ, सी.सी.) भारत सरकार नई दिल्ली की ई.आई.ए. अधिसूचना-2006 के अधीन मैसर्स जे.के. सीमेंट वर्क्स, ग्राम-माधवगढ़, तहसील-घटिया, जिला-उज्जैन, (मध्यप्रदेश) की प्रस्तावित परियोजना, क्लींकर ग्राइंडिंग यूनिट, उत्पादन क्षमता-1.5 मिलियन मेट्रिक टन प्रति वर्ष के लिए एस.ई.ए.सी./एस.ई.आई.ए.ए. मध्यप्रदेश के द्वारा पर्यावरण की अनुमति प्रदान की गई है। यह विज्ञापन आम जनता के सूचनार्थ है। पर्यावरण स्वीकृति पत्र क्रमांक 7333/SEIAA/दिनांक 16/3/2021 की प्रति मध्यप्रदेश प्रदूषण नियंत्रण बोर्ड, भोपाल मध्यप्रदेश एवं www.environmentclearance.nic.in and www.mpseiaa.nic.in की वेबसाइट पर भी उपलब्ध है।</p> <p align="right">महाप्रबंधक, अधिकृत हस्ताक्षरकर्ता जे.के. सीमेंट वर्क्स, उज्जैन</p> </div>
6.	Full Cooperation should be extended to the Officers and staff from the Ministry and its Regional Office at Bhopal/ the CPCB/ the SPCB during monitoring of the project.	Agreed
7.	The prior Environmental Clearance granted for the project is valid for a period of seven years as per EIA notification dtd. 14.09.2006 & its amendments.	Agreed
8.	Any appeal against this prior environmental clearance shall lie with the Green Tribunal, if necessary, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted
9.	The Project Proponent has to upload soft copy of half yearly compliance report of the stipulated prior environmental clearance terms and conditions on 1 st June and 1 st December of each calendar year on MoEF & CC web portal	Six-monthly EC Compliance Reports of the stipulated environmental conditions are being submitted on the website of the MoEF&CC at environment clearance portal regularly.

Six Monthly Compliance Report of Environment Clearances of J.K. Cement Works, Ujjain, Clinker Grinding Unit with Cement and DG Sets (1250 KVA & 125 KVA) at Village: Madhavgarh, Tehsil: Ghatiya, District: Ujjain (MP)

From: October 2023 to March 2024.

	<p>http://www.environmentclearance.nic.in/ or http://www.efclearance.nic.in/ and submit hard copy of compliance report of the stipulated prior environmental clearance terms and conditions to the Regulatory Authority also.</p>	
10.	<p>The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the Regional Office of MoEF & CC, Gol.</p>	<p>Environment Statement reports will be submitted on regular basis.</p>
11.	<p>The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.</p>	<p>Noted and will be complied.</p>


Yours Faithfully
For M/s J. K. Cement Limited
Manish Vaishnav
Authorized Signatory

Annexure-1

TEST REPORT

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN
(A Unit of JK Cement Ltd.)
Village-Madhavgarh, Tehsil- Ghatiya,
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932400000924
Sample I.D. : SREL/SE/18042024016
Sample Received : 18/04/2024
Date of Issue : 23/04/2024
Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample : Fugitive Emission Monitoring
Details of Sampling
1. Date of Sampling : 16/04/2024
2. Sampling Protocol : IS:5182(P-14)
3. Equipment Used : HVS
4. Sampling Done By : SREL
5. Duration of Sampling : 8 Hrs.
6. Sampling Location : Cement Loading area

Physical Observation
(a) Ambient temp.(Min/Max) : 26°C/36°C
(b) Weather Cond. : Clear
(c) Wind Direction : West to East
(d) Sampling Flow Rate For Gases : NA
(e) Sampling Flow Rate For SPM : 1.27
(m³/min.)

TEST RESULTS

Test Started on : 18/04/2024

Test Completed on : 23/04/2024

Sr.No.	Parameters	Units	Results	Standard Limit As Per CPCB	Test Method
1.	Suspended Particular Matter (SPM)	µg/m ³	731.0	2000	SREL/SOP/AA/01 Issue No. 01 ,2021

Opinion/Interpretation

Note:-

- * The results listed refer only to the tested sample and applicable parameter.
- * This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- * This report can not be reproduced, except when in full, without the written permission of the Director.
- * The sample will be destroyed after three weeks from the date of issue of the test report.
(in case of non-perishable products only)


Checked By

Dr. Ramesh Chandra Tripathi
Quality Manager




Authorized Signatory
Ranbir Singh
Technical Director



Annexure-1

TEST REPORT

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN
(A Unit of JK Cement Ltd.)
Village-Madhavgarh, Tehsil- Ghatiya,
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932400000925
Sample I.D. : SREL/SE/18042024017
Sample Received : 18/04/2024
Date of Issue : 23/04/2024
Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample : Fugitive Emission Monitoring
Details of Sampling
1. Date of Sampling : 16/04/2024
2. Sampling Protocol : IS:5182(P-14)
3. Equipment Used : HVS
4. Sampling Done By : SREL
5. Duration of Sampling : 8 Hrs.
6. Sampling Location : Packing Plant

Physical Observation
(a) Ambient temp.(Min/Max) : 26°C/36°C
(b) Weather Cond. : Clear
(c) Wind Direction : West to East
(d) Sampling Flow Rate For Gases : NA
(e) Sampling Flow Rate For SPM : 1.28
(m³/min)

TEST RESULTS

Test Started on : 18/04/2024

Test Completed on : 23/04/2024

Sr.No.	Parameters	Units	Results	Standard Limit As Per CPCB	Test Method
1.	Suspended Particular Matter (SPM)	µg/m ³	654.0	2000	SREL/SOP/AA/01 Issue No. 01 ,2021

Opinion/Interpretation

Note:-

- * The results listed refer only to the tested sample and applicable parameter.
- * This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- * This report can not be reproduced, except when in full, without the written permission of the Director.
- * The sample will be destroyed after three weeks from the date of issue of the test report.
(in case of non-perishable products only)


Checked By

Dr. Ramesh Chandra Tripathi
Quality Manager




Authorized Signatory
Ranbir Singh
Technical Director



Annexure-2

TEST REPORT

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN
(A Unit of JK Cement Ltd.)
Village-Madhavgarh, Tehsil- Ghatiya,
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932400000913
Sample I.D. : SREL/AA/18042024005
Sample Received : 18/04/2024
Date of Issue : 23/04/2024
Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample : Ambient Air Quality Monitoring
Details of Sampling
1. Date of Sampling : 16/04/2024 to 17/04/2024
2. Sampling Protocol : IS:5182(P-14)
3. Equipment Used : RDS&PM 2.5 Sampler
4. Sampling Done By : SREL
5. Duration of Sampling : 24 Hrs.
6. Sampling Location : Near Main gate

Physical Observation

(a) Ambient temp.(Min/Max) : 26°C/36°C
(b) Weather Cond. : Clear
(c) Wind Direction : West to East
(d) Sampling Flow Rate For Gases LPM : 0.5
(e) Sampling Flow Rate For RSPM/
PM-10 (Ave.) m³/min. : 1.235

TEST RESULTS

Test Started on 18/04/2024

Test Completed on : 23/04/2024

S.No.	Parameters	Units	Results	NAAQS Limit	Test Method
1.	Particulate Matter (PM ₁₀)	µg/m ³	64.6	100.0	IS : 5182 P-23
2.	Particulate Matter (PM _{2.5})	µg/m ³	45.9	60.0	IS : 5182 P-24
3.	Nitrogen Dioxide (NO ₂)	µg/m ³	21.4	80.0	IS : 5182 P-6
4.	Sulphur Dioxide (SO ₂)	µg/m ³	8.2	80.0	IS : 5182 P-2

Remark : 'NAAQS- National Ambient Air Quality Standard Schedule -VII [Rule 3 (3B)], [Part -II-sec-3(i)] 18.11.2009
Opinion/Interpretation

End of Report

Note:-

- * The results listed refer only to the tested sample and applicable parameter.
- * This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- * This report can not be reproduced, except when in full, without the written permission of the Director.
- * The sample will be destroyed after three weeks from the date of issue of the test report.
(in case of non-perishable products only)


Checked By

Dr. Ramesh Chandra Tripathi
Quality Manager




Authorized Signatory
Ranbir Singh
Technical Director



Annexure-2

TEST REPORT

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN
(A Unit of JK Cement Ltd.)
Village-Madhavgarh, Tehsil- Ghatiya,
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932400000914
Sample I.D. : SREL/AA/18042024006
Sample Received : 18/04/2024
Date of Issue : 23/04/2024
Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample : Ambient Air Quality Monitoring

Details of Sampling

1. Date of Sampling	: 16/04/2024 to 17/04/2024	Physical Observation	(a) Ambient temp.(Min/Max) : 26°C/36°C
2. Sampling Protocol	: IS:5182(P-14)	(b) Weather Cond.	: Clear
3. Equipment Used	: RDS&PM 2.5 Sampler	(c) Wind Direction	: West to East
4. Sampling Done By	: SREL	(d) Sampling Flow Rate For Gases LPM	:0.5
5. Duration of Sampling	: 24 Hrs.	(e) Sampling Flow Rate For RSPM/ PM-10 (Ave.)m ³ /min	: 1.24
6. Sampling Location	: Near BRU Unit		

TEST RESULTS

Test Started on : 18/04/2024

Test Completed on : 23/04/2024

S.No.	Parameters	Units	Results	NAAQS Limit	Test Method
1.	Particulate Matter (PM ₁₀)	µg/m ³	67.5	100.0	IS : 5182 P-23
2.	Particulate Matter (PM _{2.5})	µg/m ³	51.2	60.0	IS : 5182 P-24
3.	Nitrogen Dioxide (NO ₂)	µg/m ³	20.4	80.0	IS : 5182 P-6
4.	Sulphur Dioxide (SO ₂)	µg/m ³	7.4	80.0	IS : 5182 P-2

Remark : 'NAAQS- National Ambient Air Quality Standard Schedule -VII [Rule 3 (3B)], [Part -II-sec-3(i)] 18.11.2009
Opinion/Interpretation

End of Report

Note:-

- * The results listed refer only to the tested sample and applicable parameter.
- * This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- * This report can not be reproduced, except when in full, without the written permission of the Director.
- * The sample will be destroyed after three weeks from the date of issue of the test report.
(in case of non-perishable products only)



Checked By
Dr. Ramesh Chandra Tripathi
Quality Manager




Authorized Signatory
Ranbir Singh
Technical Director



Annexure-2

TEST REPORT

Page : 1 of 1

Issued to: M/S JK Cement LTD, UJJAIN
(A Unit of JK Cement Ltd.)
Village-Madhavgarh, Tehsil- Ghatiya,
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC11493240000915
Sample I.D. : SREL/AA/18042024007
Sample Received : 18/04/2024
Date of Issue : 23/04/2024
Reference No. : TRF

SAMPLE PARTICULARS

Name of the Sample : Ambient Air Quality Monitoring

Details of Sampling

1. Date of Sampling : 16/04/2024 to 17/04/2024
2. Sampling Protocol : IS:5182(P-14)
3. Equipment Used : RDS&PM 2.5 Sampler
4. Sampling Done By : SREL
5. Duration of Sampling : 24 Hrs.
6. Sampling Location : Near STP

Physical Observation

- (a) Ambient temp.(Min/Max) : 26°C/36°C
- (b) Weather Cond. : Clear
- (c) Wind Direction : East to West
- (d) Sampling Flow Rate For Gases LPM :0.5
- (e) Sampling Flow Rate For RSPM/
PM-10 (Ave.)m³/min :1.23

TEST RESULTS

Test Started on : 18/04/2024

Test Completed on : 23/04/2024

S.No.	Parameters	Units	Results	NAAQS Limit	Test Method
1.	Particulate Matter (PM ₁₀)	µg/m ³	61.5	100.0	IS : 5182 P-23
2.	Particulate Matter (PM _{2.5})	µg/m ³	43.4	60.0	IS : 5182 P-24
3.	Nitrogen Dioxide (NO ₂)	µg/m ³	19.6	80.0	IS : 5182 P-6
4.	Sulphur Dioxide (SO ₂)	µg/m ³	7.3	80.0	IS : 5182 P-2

Remark : 'NAAQS- National Ambient Air Quality Standard Schedule -VII [Rule 3 (3B)], [Part -II-sec-3(i)] 18.11.2009
Opinion/Interpretation

End of Report

Note:-

- * The results listed refer only to the tested sample and applicable parameter.
- * This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- * This report can not be reproduced, except when in full, without the written permission of the Director.
- * The sample will be destroyed after three weeks from the date of issue of the test report.
(in case of non-perishable products only)


Checked By

Dr. Ramesh Chandra Tripathi
Quality Manager




Authorized Signatory
Ranbir Singh
Technical Director





S AND R ENVIROLAB LLP

NABL Accredited Testing Laboratory (Certificate No. TC-11493)
ISO 9001, ISO 14001 & OHSAS 45001 Certified Laboratory



Annexure-3

TEST REPORT

Page No.1of 3.

Issued to: M/S JK Cement LTD, UJJAIN
(A Unit of JK Cement Ltd.)
Village-Madhavgarh, Tehsil- Ghatiya,
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC11493240000910
Sample I.D. : SREL/GW/18042024002
Sample Received : 18/04/2024
Date of Issue : 23/04/2024
Reference No. : TRF

(1) SAMPLE PARTICULARS

- (a) Name of the Sample : **Ground Water**
- (b) Sample Description : Borewell Water
- (c) Sample Quantity : 2 L
- (d) Sample Pkg. Condition : Plastic Cane

(2) Details of sampling

- (a) Date of sampling : 17/04/2024
- (b) Time of sampling: 10:50 Hrs.
- (c) Sampling Protocol : IS 17613(P-3)
- (d) Equipment Used : N.A.
- (e) Sample Collected By : SREL
- (f) Sampling Location: **Near Main Gate**

TEST RESULTS

Test Started on : 18/04/2024

Test Completed on : 23/04/2024

Sr. No.	Parameters	Units	Results	Specification/Requirement (as Per IS:10500) 2001		Test Method
				Acceptable Limit	Permissible Limit In The absence of alternate source	
1	pH	--	7.36	6.5-8.5	No relaxation	IS 3025 P-11 2022
2	Color	Hazen	BDL(DL-1)	5	15	IS 3025 P-4 1983
3	Turbidity	NTU	BDL(DL-1)	1	5	IS 3025 P-10 1984
4	Odour	--	Agreeable	Agreeable	Agreeable	IS 3025 P-5 1983
5	Taste	--	Agreeable	Agreeable	Agreeable	IS 3025 P-8 1984
6	Total Hardness as CaCO ₃	mg/l	536	200	600	IS 3025 P-21 2009
7	Calcium as Ca	mg/l	145.8	75	200	IS 3025 P-40 1991
8	Total Alkalinity as CaCO ₃	mg/l	296	200	600	IS 3025 P-23 2008

Tripathi
Checked By
Dr. Ramesh Chandra Tripathi
Quality Manager



Anjali
Authorized Signatory
Anjali Gupta
Technical Manager





S & R ENVIROLAB LLP

NABL Accredited Testing Laboratory (Certificate No. TC-11493)
ISO 9001, ISO 14001 & OHSAS 45001 Certified Laboratory



TC-11493

Annexure-3

TEST REPORT

Page No. 2 of 3.

Issued to: M/S JK Cement LTD, UJJAIN
(A Unit of JK Cement Ltd.)
Village-Madhavgarh, Tehsil- Ghatiya,
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932400000910
Sample I.D. : SREL/GW/18042024002
Sample Received : 18/04/2024
Date of Issue : 23/04/2024
Reference No. : TRF

TEST RESULTS

Test Started on : 18/04/2024

Test Completed on : 23/04/2024

Sr. No.	Parameters	Units	Results	Specification/Requirement (as Per IS:10500) 2001		Test Method
				Acceptable Limit	Permissible Limit In The absence of alternate source	
9	Chloride as Cl	mg/l	477.4	250	1000	IS 3025 P-32 1988
10	Residual Free Chlorine	mg/l	BDL(DL-1.0)	0.2	1	IS 3025 P-26 2021
11	Cyanide (as CN)	mg/l	BDL(DL-0.02)	0.05	No relaxation	IS 3025 P 27 1986
12	Magnesium (as Mg)	mg/l	41.8	30	100	IS 3025 P 46 1986
13	Total dissolve solids	mg/l	1470	500	2000	IS 3025 P-16 1984
14	Sulphate as SO ₄	mg/l	36.6	200	400	IS 3025 P-24 2022
15	Fluoride as F	mg/l	0.56	1.0	1.5	IS 3025 P-60 2008
16	Nitrate	mg/l	12.2	45	No relaxation	IS 3025 P-34 1988
17	Iron (as Fe)	mg/l	0.21	1.0	No relaxation	APHA 23 rd Edition 3111-B:2017
18	Aluminium (as Al)	mg/l	BDL(DL-0.05)	0.03	0.2	APHA 23 rd Ed 3500 Al B 2017
19	Boron (as B)	mg/l	BDL(DL-0.01)	0.5	1.0	IS 3025 P-57 2005
20	Chromium (as Cr)	mg/l	BDL(DL-0.05)	0.05	No relaxation	APHA 23 rd Ed 3111B 2017
21	Electrical Conductivity	us/cm	2210	--	--	IS 3025 P-13 1984
22	Phenolic Compound	mg/l	BDL(DL-0.001)	0.001	0.002	IS 3025 P-43 1992
23	Anionic Detergent (as MBAS)	mg/l	BDL(DL-0.05)	0.2	1.0	IS 3025 P-68 2019

Checked By
Dr. Ramesh Chandra Tripathi
Quality Manager



Authorized Signatory
Anjali Gupta
Technical Manager



Add. Plot No.-96, Sector-7, IMT Manesar, Gurugram, Haryana-122052 (india)

Tel: 0124-4240147, M. +91 7503957000, +91 7015479139

Email: srenvirolab@gmail.com



S AND R ENVIROLAB LLP

NABL Accredited Testing Laboratory (Certificate No. TC-11493)
ISO 9001, ISO 14001 & OHSAS 45001 Certified Laboratory



Annexure-3

TEST REPORT

Page No. 3 of 3.

Issued to: M/S JK Cement LTD, UJJAIN
(A Unit of JK Cement Ltd.)
Village-Madhavgarh, Tehsil- Ghatiya,
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC11493240000910
Sample I.D. : SREL/GW/18042024002
Sample Received : 18/04/2024
Date of Issue : 23/04/2024
Reference No. : TRF

TEST RESULTS

Test Started on : 18/04/2024

Test Completed on : 23/04/2024

Sr. No.	Parameters	Units	Results	Specification/Requirement (as Per IS:10500) 2001		Test Method
				Acceptable Limit	Permissible Limit In The absence of alternate source	
24	Zinc (as Zn)	mg/l	BDL(DL-0.05)	5.0	15	APHA 23 rd Ed 3111B 2017
25	Copper (as cu)	mg/l	BDL(DL-0.05)	0.05	1.5	APHA 23 rd Ed 3111B 2017
26	Manganese (as Mn)	mg/l	BDL(DL-0.05)	0.1	0.3	APHA 23 rd Ed 3111B 2017
27	Cadmium (as Cd)	mg/l	BDL(DL-0.05)	0.003	No relaxation	APHA 23 rd Ed 3111B 2017
28	Lead (as Pb)	mg/l	BDL(DL-0.05)	0.01	No relaxation	APHA 23 rd Ed 3111B 2017
29	Selenium (as Se)	mg/l	BDL(DL-0.105)	0.01	No relaxation	APHA 23 rd Ed 3113C 2017
30	Arsenic (as As)	mg/l	BDL(DL-0.05)	0.01	0.05	APHA 23 rd Ed 3113C 2017
31	Mercury (as Hg)	mg/l	BDL(DL-0.05)	0.001	No relaxation	APHA 23 rd Ed 3101B 2017

*BDL= Below detection limit, DL= Detection limit

Remark : NA

Opinion/Interpretation

End of Report

Note:-

- * The results listed refer only to the tested sample and applicable parameter.
- * This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- * This report can not be reproduced, except when in full, without the written permission of the Director.
- * The sample will be destroyed after three weeks from the date of issue of the test report.
(in case of non-perishable products only)

Tripathi
Checked By

Dr. Ramesh Chandra Tripathi
Quality Manager



Anjali
Authorized Signatory

Anjali Gupta
Technical Manager



Add. Plot No.-96, Sector-7, IMT Manesar, Gurugram, Haryana-122052 (india)

Tel: 0124-4240147, M. +91 7503957000, +91 7015479139

Email: srenvirolab@gmail.com



S & R ENVIROLAB LLP

NABL Accredited Testing Laboratory (Certificate No. TC-11493)
ISO 9001, ISO 14001 & OHSAS 45001 Certified Laboratory



Annexure-3

TEST REPORT

Page No.1of 1.

Issued to: M/S JK Cement LTD, UJJAIN
(A Unit of JK Cement Ltd.)
Village-Madhavgarh, Tehsil- Ghatiya,
Nagda, Distt. Ujjain (MP) Pin.-456003

ULR No. : TC114932400000910
Sample I.D. : SREL/GW/18042024002
Sample Received : 18/04/2024
Date of Issue : 23/04/2024
Reference No. : TRF

(1) SAMPLE PARTICULARS

- (a) Name of the Sample : **Ground Water**
- (b) Sample Description : Borewell Water
- (c) Sample Quantity : 2 L
- (d) Sample Pkg. Condition : Plastic Cane

(2) Details of sampling

- (a) Date of sampling : 17/04/2024
- (b) Time of sampling: 10:50 Hrs.
- (c) Sampling Protocol : IS 17613(P-3)
- (d) Equipment Used : N.A.
- (e) Sample Collected By : SREL
- (f) Sampling Location: **Near Main Gate**

TEST RESULTS

Test Started on : 18/04/2024

Test Completed on : 23/04/2024

Sr. No.	Parameters	Units	Results	Specification/Requirement (as Per IS:10500) 2001		Test Method
				Acceptable Limit	Permissible Limit In The absence of alternate source	
1	Total Coliform	MPN/100 ml	Absent	Shall not be detectable in my 100 ml Sample	--	IS 1622 1981
2	E. coli	MPN/100 ml	Absent	Shall not be detectable in my 100 ml Sample	--	IS 1622 1981

Remark : NA
Opinion/Interpretation

End of Report

Note:-

- * The results listed refer only to the tested sample and applicable parameter.
- * This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- * This report can not be reproduced, except when in full, without the written permission of the Director.
- * The sample will be destroyed after three weeks from the date of issue of the test report.
(in case of non-perishable products only)

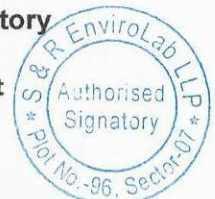
Checked By

Dr. Ramesh Chandra Tripathi
Quality manager



Authorized Signatory

Shivam
Microbiologist



Add. Plot No.-96, Sector-7, IMT Manesar, Gurugram, Haryana-122052 (india)

Tel: 0124-4240147, M. +91 7503957000, +91 7015479139

Email: srenvirolab@gmail.com