

Ref.No.: JKCEMENT/ENV./EC/PLANT/2025-26/01/24

Date: 20.05.2025

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](mailto:rowz.bpl-mef@nic.in)

Subject: Submission of Half Yearly Environmental Clearance Compliance Status Report for period from October 2024 to March 2025 for Greenfield integrated Clinker/ Cement manufacturing unit (5.28MTPA Clinker; 6.0MTPA Cement) and captive power plant including waste heat recovery plant and Power generation thorough WHRB (80 MW FBC; 30 MW WHRB) and 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. JK Cement Limited.

- 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.
4- Name Change in EC vide no IA-J-11011/224/2016-IA. II (I) dated 26.02.2024
5- Environment Clearance vide no. IA-J-11011/224/2016-IA-II(IND-I) dated 02.01.2025.

Dear Sir,

With reference to above stated Environment Clearances (ECs) and MoEF &CC notification no. S.O. 5845 (E) 26.11.2018, we are submitting Half Yearly Environment Clearance Compliance Status Report for period from **October 2024 to March 2025** for Greenfield integrated Clinker/ Cement manufacturing unit (5.28MTPA Clinker; 6.0MTPA Cement) and captive power plant including waste heat recovery plant and Power generation thorough WHRB (80 MW FBC; 30 MW WHRB) and 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. JK Cement Limited for your kind information and record, please.

Corporate Office

📍 Prism Tower, Ground Floor, Ninaniya Estate,
Gwal Pahari, Gurugram, Haryana - 122102, India
☎ +0124-6919000
✉ admin.prismt@jkcement.com
🌐 www.jkcement.com
CIN: L17229UP1994PLC017199



**JK SUPER
CEMENT**
BUILD SAFE

JKcement
WallMaxX
White Cement Based Putty

Manufacturing Units at :

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)
Jharli (Haryana) | Katni, Panna, Ujjain (M.P.) | Prayagraj, Aligarh,
Hamirpur (U.P.) | Balasinor (Gujarat) | Fujairah

Thanking you,

Yours Sincerely
For: J K Cement Limited.



Kapil Agrawal
(Unit Head)

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

1. Member Secretary, MP Pollution Control Board, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP).
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 Paryavaran Bhavan, New Delhi-11003

Corporate Office

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Gwal Pahari, Gurugram, Haryana - 122102, India
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Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 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. JK Cement Ltd.


Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022
Name Change in EC vide no IA-J-11011/224/2016-IA. II (I) dated 26.02.2024
Environment Clearance vide no. IA-J-11011/224/2016-IA-II(IND-I) dated 02.01.2025

Specific Condition

S. No.	EC Conditions	EC Compliance Status
i.	Particulate matter emission from cement mill stacks shall be less than 20 mg/Nm3 and for CPP less than 30 mg/Nm3.	Complied. We are complying with emission limit of 20 mg/Nm3.

Stack	Standard value (in mg/Nm3)	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25
Cement mill	20 mg/Nm ³	8.76	5.02	4.79	10.80	5.23	5.10
Coal mill		5.10	7.29	9.25	4.54	5.54	5.18
Cooler		9.23	10.48	10.72	3.10	2.68	2.92
Raw mill Kiln		11.51	12.18	6.74	8.96	9.12	11.27

ii.	Air cooled condenser shall be used in the captive power plant in place of water-cooled system.	Agreed. In first phase, CPP has not been installed. We assure that CPP will be installed with Air cooled condenser in the captive power plant.
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.	Complied. We had obtained NOC for ground water abstraction of 2140 KLD for industrial purpose vide NOC No. CGWA/NOC/IND/ORIG/2022/16811 valid from 15.10.2022 to 14.10.2025. Now, we have applied for surrender of NOC. Copy is mentioned below.

 (पूजा विधान हेतु अथवा प्रकाश पत्र) NO OBJECTION CERTIFICATE (NOC) FOR WATER ABSTRACTION		NEW STATE राज्यपाल, नई दिल्ली और नया संघीय विधान संघीय राज्यपाल Government of India Ministry of Jal Shakti Department of Water Resources, River Development & Gangs Rejuvenation Central Ground Water Authority										
Project Name:	Jaykunj (Central) Limited											
Project Address:	Hardkulam, Purana, Sotpara And Madkjan											
Village	Hardkulam	Block	Pawal									
Pin Code	Parina	State	Madhya Pradesh									
Communication Address:	Hardkulam, Purana, Sotpara And Madkjan Pawal, Parina, Madhya Pradesh - 485941											
Address of CGWA Regional Office	Central Ground Water Board North Central Region, Block-1, 4th Floor, Ring Road, Bhawan, Area Hills, Jail Road, Bhopal, Madhya Pradesh - 462011											
1. NOC No.:	CGWA/NOC/IND/GR/2022/18811	3. Category	Date									
2. Application No.:	21-41412MB-IND-2022	CGWA/REG	14/10/2025									
4. Project Status:	New Project	5. NOC Type	New									
6. Valid from:	19/10/2022	7. Valid up to:	14/10/2025									
8. Ground Water Abstraction Permitted												
Fresh Water		Saline Water										
m³/day	m³/year	m³/day	m³/year									
2145.00	706200.00											
		Desalting	Total									
m³/day	m³/year	m³/day	m³/year									
9. Details of ground water abstraction (Borrowing structures)												
Total Existing No. 0		Total Proposed No. 11										
DW	DCB	BW	TW	MP	MIN	DW	DCB	BW	TW	MP	MpU	
0	0	0	0	0	0	0	0	0	11	9	0	
(DW: Dig Well; DCB: Deepen bore Well; BW: Bore Well; TW: Tube Well; MP: Micro Piezo Headline Pump)												
10. Ground Water Abstraction/Reclamation Charges per (Ru.)											11000.00	
11. Number of Piezometers/Observation wells to be constructed											No. of Piezometers	Monitoring Mechanism
0											0	Manual
0											0	DWLR*
0											0	DWLR With Telemetry
*DWLR: Digital Water Level Recorder												
(Compliance Conditions given overleaf) This is an unauthenticated document & it need not to be signed.												
18/11, वायव्य प्रदेश, पश्चिम बंगाल, नई दिल्ली - 110017 (B-1), Bhawan, Ring Road, Mansarovar, New Delhi (India) 110017 Phone: 011-23469079, 011-23469071, 011-23469073 E-Mail: cgwa@cgwa.gov.in वेबसाइट: cgwa.gov.in नवी दिल्ली, पश्चिम बंगाल नई दिल्ली - 110017												

Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment
Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022

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.	Complied. Total water requirement is not exceeding 5125 KLD. The per day average ground water & Ken river water consumption are 58.9 KLD and 1443 KLD respectively during the period from Apr-24 to Mar-24.																																																																										
	<table><tr><th rowspan="2">Months</th><th colspan="4">Total Water withdrawal (in KL)</th></tr><tr><th>Borewell</th><th>KL/Day</th><th>River</th><th>KL/Day</th></tr><tr><td>Apr-24</td><td>921</td><td>31</td><td>52013</td><td>1734</td></tr><tr><td>May-24</td><td>1681</td><td>54</td><td>52255</td><td>1686</td></tr><tr><td>Jun-24</td><td>1083</td><td>36</td><td>54009</td><td>1800</td></tr><tr><td>Jul-24</td><td>927</td><td>30</td><td>31399</td><td>1013</td></tr><tr><td>Aug-24</td><td>3094</td><td>100</td><td>0</td><td>0</td></tr><tr><td>Sep-24</td><td>3262</td><td>109</td><td>0</td><td>0</td></tr><tr><td>Oct-24</td><td>2604</td><td>84</td><td>45615</td><td>1471</td></tr><tr><td>Nov-24</td><td>821</td><td>27</td><td>64263</td><td>2143</td></tr><tr><td>Dec-24</td><td>1717</td><td>55</td><td>66289</td><td>2138</td></tr><tr><td>Jan-25</td><td>1641</td><td>53</td><td>44104</td><td>1423</td></tr><tr><td>Feb-25</td><td>1646</td><td>59</td><td>55608</td><td>1986</td></tr><tr><td>Mar-25</td><td>2099</td><td>68</td><td>61193</td><td>1974</td></tr><tr><td>Total</td><td>21496</td><td>58.9</td><td>526778</td><td>1443</td></tr></table>		Months	Total Water withdrawal (in KL)				Borewell	KL/Day	River	KL/Day	Apr-24	921	31	52013	1734	May-24	1681	54	52255	1686	Jun-24	1083	36	54009	1800	Jul-24	927	30	31399	1013	Aug-24	3094	100	0	0	Sep-24	3262	109	0	0	Oct-24	2604	84	45615	1471	Nov-24	821	27	64263	2143	Dec-24	1717	55	66289	2138	Jan-25	1641	53	44104	1423	Feb-25	1646	59	55608	1986	Mar-25	2099	68	61193	1974	Total	21496	58.9	526778	1443
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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.	Complied Plant was commissioned on 02 nd November 2022. Last Dioxins and furans was monitored on 26.10.2024 & 24.03.2025 by ALS Testing services. Report copy send via email on dated 17.05.2025.																																																																										

Submission of Dioxin and Furans Reports of J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) for the month of March-2025 . External Inbox x

✦ Summarize this email



Saurabh Yadav

to row2.bpl-mef, ms-mppcb, romppcb, sagar, cpcb.bhopal, me ▼

📧 Sat, May 17, 8:53 AM (2 days ago)

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To,

The Regional Office (WZ),

Kendriya Paryavaran Bhawan,

E-5, Arera Colony, Link Road-3, Ravi Shankar Nagar

BHOPAL-462016,

E-Mail: rowz.bpl-mcf@nic.in

Subject: Submission of Dioxin and Furans Reports of J K Cement Ltd, located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) for the month of **March-2025** .

Reference No.: 1. EC File No. - IA-J-11011/224/2016-IA-II(I) dated – 02.03.2022.

Dear Sir,

With reference to above stated Environment Clearances (ECs) as Specific condition (v), we are submitting Dioxin and Furans Reports for the month of **March-2025** for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) 488441.

This is for your kind information & record, please.

Thanking You

**Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment
Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022**

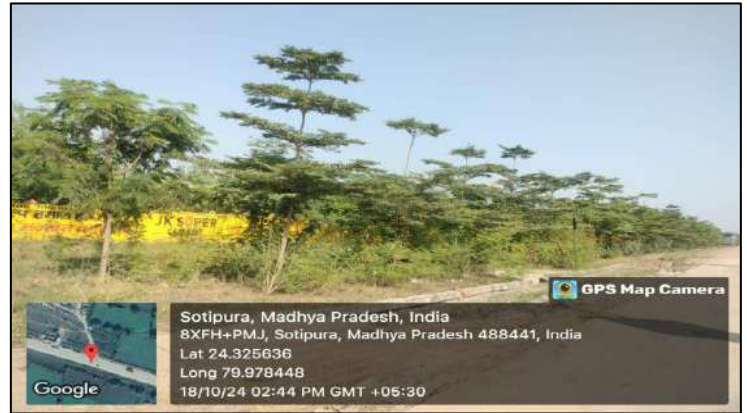
<div><p>JK Cement Works, Panna (Formerly known as Jaykaycem (Central) Ltd., now amalgamated) A Unit of JK Cement Ltd. CIN: L17229UP1994PLC017199 Village - Harduwalen, Tehsil - Amanganj District - Panna, State - Madhya Pradesh, India - 488 441 9329141591 jk.panna@jkcement.com www.jkcement.com</p></div> <div>Ref.No.: JKCEMENT/ENV./EC/PLANT/2024-25/01/23 Date: 04.01.2025</div> <div>To, Regional Office (WZ), Kendriya Paryavaran Bhawan, E-5, Arera Colony, Link Road-3, Ravi Shankar Nagar BHO PAL - 462 016 E-Mail: rowz.bpl-mef@nic.in</div> <div>Subject: Submission of Dioxin and Furans Reports of J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) for the month of October-2024 .</div> <div>Ref.: 1-Environment Clearance vide no IA-J-11011/224/2016-IA.II(I) dated 02.03.2022.</div> <div>Dear Sir,</div> <div>With reference to above stated Environment Clearances (ECs) as Specific condition (v), we are submitting Dioxin and Furans Report for the month of October-2024 for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) 488441.</div> <div>This is for your kind information and record, please.</div> <div>Thanking you, Yours Sincerely For: J K Cement Limited.</div> <div> Kapil Agrawal (Unit Head)</div> <div>Encl.: Report copy CC:</div> <div>1. Regional Director- CPCB, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP). 2. Member Secretary, MP Pollution Control Board, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP). 3. Regional Officer, Regional Office, MP Pollution Control Board, Makronia, Sagar (MP)</div> <div><div><p>Corporate Office Prism Tower, Ground Floor, Nirmalya Estate, Gwal Pahari, Gurugram, Haryana - 122102, India +91-24-6919000 admin.prism@jkcement.com www.jkcement.com CIN: L17229UP1994PLC017199</p></div><div><p>JK SUPER CEMENT BUILDS SAFER</p></div><div><p>WailMaxX www.Cement-Planet.com</p></div><div>Manufacturing Units at: Nimbahara, Mangrol, Golan (Rajasthan) Muddepur (Karnataka) Jharli (Bihar) Katni, Panna, Ugaon (M.P.) Prayagraj, Allahabad, Hamirpur (U.P.) Balasore (Odisha) Fujairah</div><div>Registered Office :  Kantia Tower, Kanpur-208001, U.P., India. +91-512-2371478 to 85 +91-512-2399854 www.jkcement.com</div></div>	<div><p>JK Cement Works, Panna (Formerly known as Jaykaycem (Central) Ltd., now amalgamated) A Unit of JK Cement Ltd. CIN: L17229UP1994PLC017199 Village - Harduwalen, Tehsil - Amanganj District - Panna, State - Madhya Pradesh, India - 488 441 9329141591 jk.panna@jkcement.com www.jkcement.com</p></div> <div>Ref.No.: JKCEMENT/ENV./EMR/2025-26/F20B/B6 Date: 08.05.2025</div> <div>To, Regional Office (WZ), Kendriya Paryavaran Bhawan, E-5, Arera Colony, Link Road-3, Ravi Shankar Nagar BHO PAL - 462 016 E-Mail: rowz.bpl-mef@nic.in</div> <div>Subject: Submission of Dioxin and Furans Reports of J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) for the month of March-2025 .</div> <div>Ref.: 1-Environment Clearance vide no IA-J-11011/224/2016-IA.II(I) dated 02.03.2022.</div> <div>Dear Sir,</div> <div>With reference to above stated Environment Clearances (ECs) as Specific condition (v), we are submitting Dioxin and Furans Report for the month of March-2025 for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) 488441.</div> <div>This is for your kind information and record, please.</div> <div>Thanking you, Yours Sincerely For: J K Cement Limited.</div> <div> Kapil Agrawal (Unit Head)</div> <div>Encl.: Report copy CC:</div> <div>1. Regional Director- CPCB, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP). 2. Member Secretary, MP Pollution Control Board, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP). 3. Regional Officer, Regional Office, MP Pollution Control Board, Makronia, Sagar (MP)</div> <div><div><p>Corporate Office Prism Tower, Ground Floor, Nirmalya Estate, Gwal Pahari, Gurugram, Haryana - 122102, India +91-24-6919000 admin.prism@jkcement.com www.jkcement.com CIN: L17229UP1994PLC017199</p></div><div><p>JK SUPER CEMENT BUILDS SAFER</p></div><div><p>WailMaxX www.Cement-Planet.com</p></div><div>Manufacturing Units at: Nimbahara, Mangrol, Golan (Rajasthan) Muddepur (Karnataka) Jharli (Bihar) Katni, Panna, Ugaon (M.P.) Prayagraj, Allahabad, Hamirpur (U.P.) Balasore (Odisha) Fujairah</div><div>Registered Office :  Kantia Tower, Kanpur-208001, U.P., India. +91-512-2371478 to 85 +91-512-2399854 www.jkcement.com</div></div>
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Dioxin & Furnace Report submission copy

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.

Complied

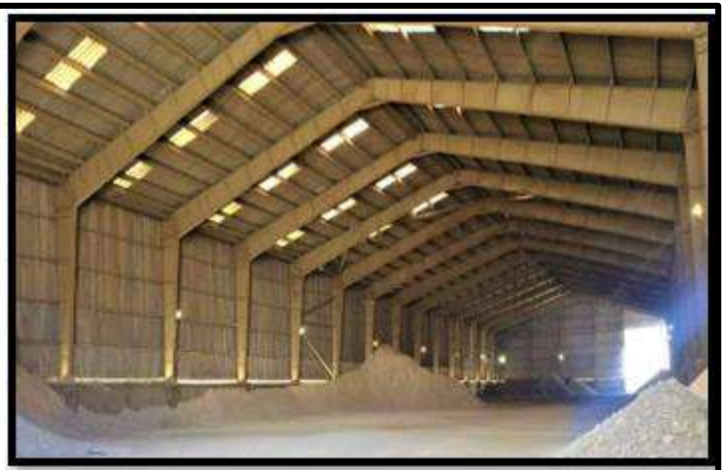
Plantation is being done with density of 2500 trees/ha of native species. Till FY 2024-25, (Up to Mar-2025) a total of 101684 No. of saplings have been planted in 40.67 Ha. in and around the periphery of the plant area which is 33.0 % of total land area i.e. 123.25 Ha. Some pictures of plantation are mentioned below.



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.	Complied. Raw material yard has paved with covered shed. However, garland drainage system is developed surrounding the shed and connected with a reservoir for collection and ground water recharge. Some pictures are mention below.
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Cover Shed for Gypsum

Impervious flooring in stock yards



Cover Shed for Pet-Coke



Garland drain



Rain water harvesting pond (30000m3 capacity)



River reservoir (40000 m3 capacity)



viii Slip roads shall be provided at the gates and along crossing on main roads.

Complied.
Slip roads have been provided at the gates and along crossing on main roads. Some pictures are mentioned below.



Internal road



Connecting roads to the Highway

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

Complied.
Internal and connecting roads to highway have been concreted. Some pictures are mentioned below.


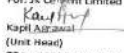


x.	Performance monitoring of pollution control equipment shall be taken up yearly and compliance status in this regard shall be reported to the concerned Regional Office of the MoEF &CC.	Complied. We have taken Performance monitoring of pollution control equipment through NABL approved lab and report sent to Regional Office of the MoEF &CC. by email on dated 02.08.2024. Email copy as well as performance monitoring report is enclosed as Annexure-1.
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.	Complied. We have already deposited Rs. 289.90 Lakh via. E Cheque no. CTY3061751 dated 19.08.2023 as per fund allocated for implementation of approved Wild Life Conservation Plan (WLCP) approval Letter no. V.Pra/Ma.Chi./8847 dated 13.12.2019 for JK Cement Limited Integrated Cement Plant Project. Acknowledgement copy of amount deposition is given below: However, we are following up to State Forest Department regarding implementation of Wildlife conservation plan and letters have been submitted to Wild Life Department on dated 06.03.2024 via letter no. JKCEMENT/PCP/EMD/2023-24/F 04/10, follow up letter on 18.04.2024 via letter no. JKCEMENT/PCP/EMD/2024-25/F 04/11 & follow up letter on 02.01.2025 via letter no. JKCEMENT/PCP/EMD/2024-25/F 04/16. Copy are mentioned below.

**Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment
Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022**

	<p>JK Cement Works, Panna (Formerly known as Jaykaycem (Central) Ltd now amalgamated A Unit of JK Cement Ltd.) CIN: L1222UP1994PLC017199 Village - Handwastan, Tehsil - Amanganj District - Panna, State - Madhya Pradesh, India - 488 441 9329141031 JK Cement@jkcement.com www.jkcement.com</p>
पत्र क्र-	दिनांक-21/08/2023
प्रति	
उपसंचालक पन्ना टाईगर रिजर्व पन्ना	
विषय: To comply with wild life conservation plan approval letter form Jaykaycem (Central) Ltd. Integrated Cement plant Project, tehsil Amanganj District Panna (M.P.) implementation of wild life conservation plan and specific conditions of Environment clearance - regarding	
सदर आपका कार्यालयीन पत्र क्रमांक/मा.सि./2023/2908/पन्ना, दिनांक-16/8/2023।	
महोदय	
विषयान्तर्गत संदर्भित पत्र द्वारा जेकेरोम (सेंट्रल) लिमिटेड को 289.90 लाख रु मध्यप्रदेश टाईगर फाउंडेशन सोसाईटी के भारतीय स्टेट बैंक मुख्य शाखा टी.टी. नगर भोपाल को हस्त खाता क्रमांक 10571048460 आई.एफ.एस.सी. SBIN0001308 में जमा करने हेतु निर्देशित किया गया था, उक्त तारतम्य में जेके सीमेंट लिमिटेड द्वारा 289.90 लाख रु का भुगतान ई बैंक के माध्यम से मध्यप्रदेश टाईगर फाउंडेशन सोसाईटी को खाते में कर दिया गया है जिसका विवरण निम्नानुसार है-	
E Cheque No	CTY3061751
Dated	19/08/2023
Amount	289.90 Lakh
Name	MP Tiger Foundation
A/c No	10571048460
अतः अग्रिम कार्यवाही हेतु महोदय की ओर प्रेषित।	
	 कमल अग्रवाल एग्रीट हेड जेके सीमेंट लिमिटेड
<p>Corporate Office Prime Tower, 8th Floor, Minerva Estate, Civil Pahari, Gurgaon - 122102, Haryana 91-124-6719000 admin@jkcement.com www.jkcement.com</p>	<p>JK SUPER CEMENT BUILD SAFE</p> <p>Manufacturing Units at Bhindwara, Mangrol, Gopal (Rajasthan) Mudholur (Karnataka) Zhari (Haryana) Katal, Panna (M.P.) Alagoh, Haripur (U.P.) Balasiner (Gujarat) Rajahmundry</p> <p>Registered Office : Prime Tower, Gurgaon-208001, U.P., India. 91-124-671-2371-478 to 88 91-124-671-2394864 www.jkcement.com</p>

	<p>JK Cement Works, Panna (Formerly known as Jaykaycem (Central) Ltd now amalgamated) A Unit of JK Cement Ltd. CIN: L1222UP1994PLC017199 Village - Handwastan, Tehsil - Amanganj District - Panna, State - Madhya Pradesh, India - 488 441 9329141031 JK Cement@jkcement.com www.jkcement.com</p>
Ref. No.: JKCEMENT/PCP/EMD/2024-25/F 04/11	Dated: 18.04.2024
To, The Field Director, Panna Tiger Reserve, Panna-488001 (MP)	
Subject: To comply with Wild Life Conservation Plan Approval Letter for JK Cement Limited Integrated Cement Plant Project, Tehsil-Amanganj, District-Panna (M.P.), implementation of Wild Life Conservation Plan and specific condition of Environment Clearance- regarding	
Ref.: 1. Life Conservation Plan Approval Letter no. V.Pra/Ma.Chi/8847 dated 13.12.2019 2. Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31.08.2020.	
Dear Sir,	
In continuation of our letter no. JKCEMENT/PCP/EMD/2023-24/F 04/10 dated 06.03.2024 and with reference to above subject matter, we would like to again inform you that we have already deposited Rs. 289.90 Lakh via E Cheque no. CTY3061751 dated 19.08.2023 as per fund allocated for implementation of approved Wild Life Conservation Plan (WLCP) approval Letter no. V.Pra/Ma.Chi/8847 dated 13.12.2019 for JK Cement Limited Integrated Cement Plant Project (Acknowledgement copy of amount deposited enclosed as Annexure no. 1).	
Further, we would like to inform you that it is mentioned in specific condition no. VII of environment clearance letter no. J-11015/190/2016-IA. II (M) dated 31.08.2020 that "Site specific conservation plan for all the Schedule-I species reported in the study area shall be implemented in consultation with State Forest Department as per the recommendations of Chief Wildlife Warden".	
Ministry of Environment, Forest and Climate Change (MoEF&CC) is continuously asking us the implementation status of WLCP. Therefore, for complying the above EC condition and implementation of approved Wild Life Conservation Plan, please guide us for further action so that we may do all needful and wild life conservation plan could be implemented or if WLCP is already implementing by you then we humble request to please share the status to submit the MoEF&CC, please.	
Thanking you,	
Yours Faithfully For: JK Cement Limited  K. Anil Kapi Agrawal (Unit Head)	
CC to: 1- PCCF (Wildlife) and Chief Wildlife Warden, Bhopal, M.P. 2- Chief Conservator of Forest, Chhatarpur-471001	
<p>Corporate Office Prime Tower, 8th Floor, Minerva Estate, Civil Pahari, Gurgaon - 122102, Haryana 91-124-6719000 admin@jkcement.com www.jkcement.com</p>	<p>JK SUPER CEMENT BUILD SAFE</p> <p>Manufacturing Units at Bhindwara, Mangrol, Gopal (Rajasthan) Mudholur (Karnataka) Zhari (Haryana) Katal, Panna (M.P.) Alagoh, Haripur (U.P.) Balasiner (Gujarat) Rajahmundry</p> <p>Registered Office : Prime Tower, Gurgaon-208001, U.P., India. 91-124-671-2371-478 to 88 91-124-671-2394864 www.jkcement.com</p>

	<p>JK Cement Ltd. CIN: L1222UP1994PLC017199 Registered Office Prime Tower, Gurgaon - 208001, U.P., India 91-124-671-2371-478 to 88 91-124-671-2394864 www.jkcement.com</p>
Ref. No.: JKCEMENT/PCP/EMD/2024-25/F 04/16	Dated: 02.01.2025
To, The Field Director, Panna Tiger Reserve, Panna-488001 (MP)	
Subject: To comply with Wild Life Conservation Plan Approval Letter for JK Cement Limited Integrated Cement Plant Project, Tehsil-Amanganj, District-Panna (M.P.), implementation of Wild Life Conservation Plan and specific condition of Environment Clearance- regarding	
Ref.: 1. Life Conservation Plan Approval Letter no. V.Pra/Ma.Chi/8847 dated 13.12.2019 2. Environment Clearance vide no J-11015/190/2016-IA. II (M) dated 31.08.2020.	
Dear Sir,	
In continuation of our letter no. JKCEMENT/PCP/EMD/2024-25/F 04/11 dated 18.04.2024 and with reference to above subject matter, we would like to again inform you that we have already deposited Rs. 289.90 Lakh via E Cheque no. CTY3061751 dated 19.08.2023 as per fund allocated for implementation of approved Wild Life Conservation Plan (WLCP) approval Letter no. V.Pra/Ma.Chi/8847 dated 13.12.2019 for JK Cement Limited Integrated Cement Plant Project.	
Further, we would like to inform you that it is mentioned in specific condition no. VII of environment clearance letter no. J-11015/190/2016-IA. II (M) dated 31.08.2020 that "Site specific conservation plan for all the Schedule-I species reported in the study area shall be implemented in consultation with State Forest Department as per the recommendations of Chief Wildlife Warden".	
Ministry of Environment, Forest and Climate Change (MoEF&CC) is continuously asking us the implementation status of WLCP. Therefore, for complying the above EC condition and implementation of approved Wild Life Conservation Plan, please guide us for further action so that we may do all needful and wild life conservation plan could be implemented or if WLCP is already implementing by you then we humble request to please share the status to submit the MoEF&CC, please.	
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Yours Faithfully For: JK Cement Limited  K. Anil Kapi Agrawal (Unit Head)	
CC to: 1- PCCF (Wildlife) and Chief Wildlife Warden, Bhopal, M.P. 2- Chief Conservator of Forest, Chhatarpur-471001	
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**Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment
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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.	Compliance in progress <ul style="list-style-type: none"> ➤ We are transporting limestone from Kakra mine crusher to Cement plant through Overland Covered Belt Conveyor. ➤ Amendment in EC of Cement plant has been done on dated 02/01/2025 and time period has been extended to install OLBC by August 2025.
xiii.	Hot air dryer shall not be installed. Flue gases of preheater shall be used to dry the slag/bottom ash.	Compliance in progress. Flue gases of preheater is used to dry the slag/bottom ash. Amendment in EC of Cement plant has been done on dated 02/01/2025 and now EC has been granted to installed hot air generator.

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.	Complied with all applicable legislation
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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.	Complied. CEMS have been installed at major stacks viz. Raw mill kiln, Coal mill, Cement mill and Cooler exit stacks and online data connectivity is done at CPCB & MPPCB portal. Pictures of CEMS analysers are given below. CAAQMS have also been installed at 04 Nos. of locations of plant and online data connectivity is done at CPCB & MPPCB portal. Pictures of CAAQMS analysers are given below. We are calibration these analysers time to time through external agency. Calibration copies are enclosed as Annexure no-2 .
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1- CEMS:



Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022

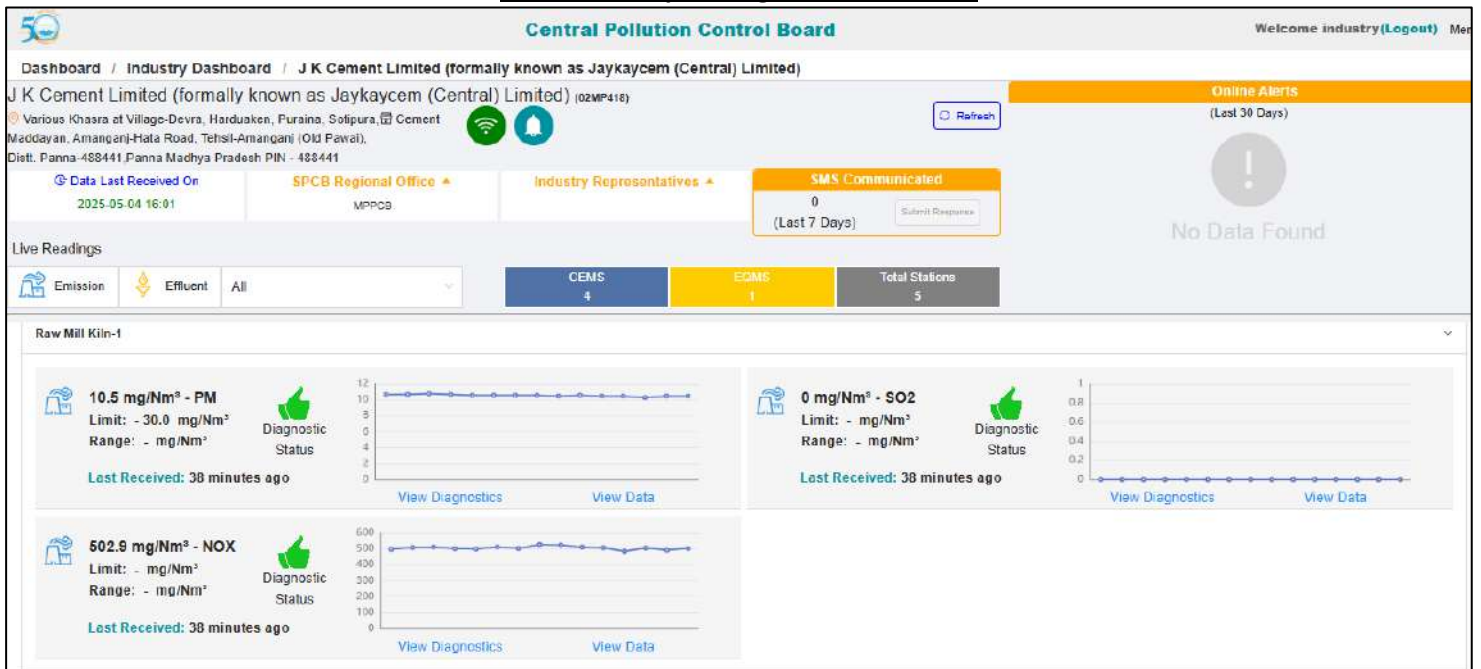
Cooler _ Mill Stack Analyser



Raw _ Mill Stack Analyser



Online data uploading in MPPCB server



Online data uploading in CPCB server

2-CAAQMS

CAAQMS near Reservoir



CAAQMS near Zero Point



CAAQMS behind Store



CAAQMS near Guest house



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.	Complied. Fugitive emission is being monitored by approved lab in every quarter in the plant premises. Latest quarterly monitoring reports of fugitive emission are enclosed as Annexure-3 .
-----	---	--

Sources/Locations	Parameter	Results (in $\mu\text{g}/\text{m}^3$)			
		May-24	Sep-24	Nov-24	Feb-25
Near packing Plant area	SPM	312.1	389.0	436.0	710.0
Near Gypsum yard		288.5	352.0	480.0	580.0
Near Raw Mill		290.2	345.0	516.0	588.0
Near Coal Mill		263.9	415.0	540.0	620.0
Near Cement Mill		274.1	312.0	458.0	716.0
Near Clinker Silo		296.5	389.0	510.0	590.0
Near Coal Shed		270.8	548.0	710.0	840.0
Near Lime Stone Shed		301.5	326.0	536.0	650.0

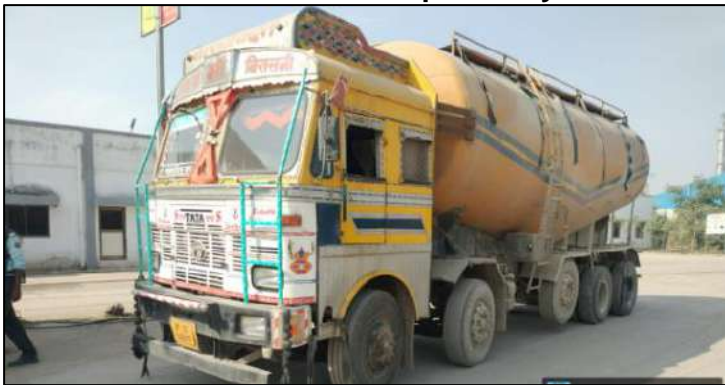
iii.	The project proponent shall provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags.	Complied. It has been provided with APCDs and Cement Bag cleaning system has been installed.
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Cement Bag cleaning system

iv.	The project proponent shall ensure covered transportation and conveying of ore, coal and other raw material to prevent spillage and dust generation; Use closed bulkers for carrying fly ash.	Complied. Raw materials are transporting through covered vehicles and fly ash in closed bulker. Some pictures are mentioned below.
-----	---	--

Closed bulker for transport of flyash



Covered Truck



Covered belt conveyors



v.	The project proponent shall provide wind shelter fence and chemical spraying on the raw material stock piles;	Complied. We would like to share that covered sheds have been provided for all the raw materials.
vi.	Ventilation system shall be designed for adequate air changes as per the prevailing norms for all tunnels, motor houses, cement bagging plants.	Complied. Ventilation system with sufficient no. of bag filters for all tunnels, motor houses, cement bagging plant have been provided.

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.

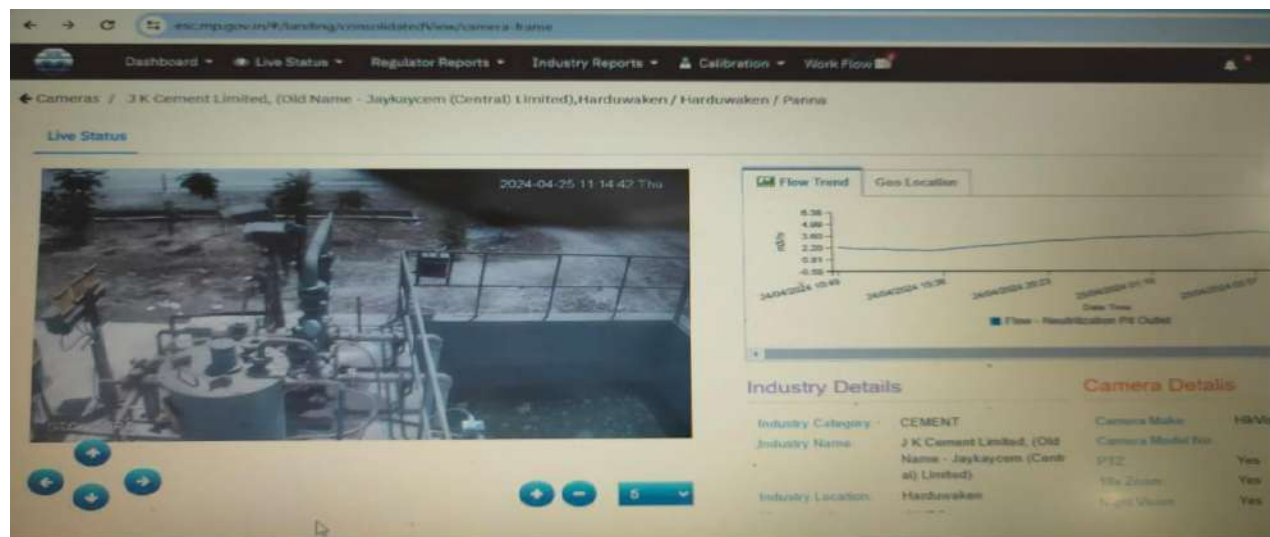
Complied.

Waste water is generated from WHRS plant only which is used in mill spray after treatment in neutralization pit. Hence, ZERO liquid discharge system has been adopted. Flow meter and camera are installed at outlet of neutralization pit (Picture are mentioned below).

WHRS Flow meter and Camera have been installed:



Connected to SPCB and CPCB online servers



**Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment
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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.	Complied. Ground water quality is being monitored twice a year (pre and post monsoon) of plant and adjacent areas through recognized/NABL accredited Lab. Ground water quality monitoring reports is attached Annexure- 4 .
iii.	Sewage Treatment Plant shall be provided for treatment of domestic waste water to meet the prescribed standards.	Complied Total 07 Nos. of STPs have been installed. <ul style="list-style-type: none"> ➤ 5 KLD Capacity- 03Nos ➤ 10 KLD Capacity- 01 Nos ➤ 25 KLD Capacity-02 Nos. ➤ 300 KLD Capacity- 01 no. Sewage Treatment plant test report enclosed as Annexure-5 . Some pictures are given below:

STP With Capacity 300KLD



STP Admin Building 5 KLD



STP With Capacity 25 KLD



STP Admin Building 10 KLD



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	Complied. Concreted drains have been provided in surrounding the covered raw material sheds. This water will be recharged with rain water harvesting structures (Picture are mentioned below.)
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Storm Water Drain



Reservoir (40000m3)

v.	Water meters shall be provided at the inlet to all unit processes in the cement plant	Complied. Water meters have been installed at the inlet to all unit processes. Some pictures are given below.
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WHRS meter/DM inlet



Fireline Meter



Cooler spray meter



Packing plant meter

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.	Complied <ul style="list-style-type: none"> • Dual Flush Toilets have been installed. • Aerator Faucets are provided in taps. • Sewage treatment plant is installed and treated water of sewage is being used in plant activities. • WHRS treated waste water is being used in mill.
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Month	STP		WHRs	
	Total Waste Water generation (in KL)	Treated water Used (in KLD)	Total Waste Water generation (in KL)	Treated water Used (in KLD)
Apr-24	871	29.0	1161	38.7
May-24	1375	44.4	719	23.2
Jun-24	1214	40.5	944	31.5
Jul-24	1212	39.1	1133	36.5
Aug-24	833	26.9	1876	60.5
Sep-24	884	29.5	862	28.7
Oct-24	2005	64.7	882	28.5
Nov-24	1524	50.8	990	33.0
Dec-24	2092	67.5	1326	42.8
Jan-25	1482	47.8	1201	38.7
Feb-25	1223	43.7	919	32.8
Mar-25	1357	43.8	1102	35.5
Total	16072	44.0	13115	35.9

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.	Complied. Noise quality is being monitored and report is copy as attached as Annexure-5 A.
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V. Energy Conservation measures

i.	Waste heat recovery system shall be provided for kiln and cooler.	Complied. A Waste heat recovery system (WHRs) of 25 MW has been installed.
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ii.	<p>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.</p>	<p>Complied</p> <p>Our average power consumption (Apr-2024 to March-2025) for manufacture of OPC & PPC and thermal energy are following:</p> <ul style="list-style-type: none"> • OPC= 75.43Kwh/ MT • PPC= 52.39Kwh/MT • Thermal energy consumption- 704 Kcal/kg Clinker <p>We have done following efforts to reduce the thermal energy consumption:</p> <ol style="list-style-type: none"> 1- False air reduction done From Currently 8 % to 6.3 %. 2- TAD NOx reduction damper is opened from 50 % to 80 % to Optimized Recuperation efficiency. 3- Shift Wise Comparison of Heat to optimize SHC per shift (Optimizer Data Provided per shift). 4- TAD male female joints near PC Covered completely result in temperature drop across TAD duct is 25 degree. 5- Online Heat Balance with Actual CV based SHC is provided in CCR to monitor the current Specific Heat. 6- Optimized Fine coal temperature from 60 to 65 degree by reducing False air across Coal Mill Circuit. 7- Optimized Raw meal Temperature from 75 to 80 degree by reducing False air across Raw Mill Circuit. 8- Linear pile maintained by stacking of Coal to Reduce variation of its CV. 9- Flap gate of Cyclone From 1 no to 4th cyclone from Top is made free. 10- Cooler Fan Specific air input is maintained at 1.85 Nm³/kg of Clinker @ 10000 TPD as per HMBD by TKII. We have installed state of the art technology to conserve energy and meet GOI's targets for GHG emissions.
iii.	<p>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.</p>	<p>Complied.</p> <p>Solar power generation on admin building roof top has been installed and solar lights have also been provided in streets (Some picture are mentioned below.</p>



Solar power generation on admin building of roof top:



Solar lights have provided in streets

iv. Provide the project proponent for LED lights in their offices and residential areas.	Complied. LED lights have been provided in offices and residential areas (Some picture are mentioned below.)
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LED Lights in Admin building



LED Lights in Project building



LED Lights in CCR building



LED Lights in Guest house



VI. Waste management

i.	Used refractories shall be recycled as far as possible.	Complied. In FY 2024-25 (Apr-24 to March-2025), we have collected and sold qty. 364.56 MT used refractories to M/s Refcast And Ceramics Industries, Nagpur.
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VII. Green Belt

i.	The project proponent shall prepare GHG emissions inventory for the plant and shall submit the program for reduction of the same including carbon sequestration including plantation.	Complied. First baseline data of GHG emission for FY 2023-24 is following: 1- Scope 1 Emission- 1974792 tCO ₂ e 2- Scope 2 Emission- 82995 tCO ₂ e 3- Scope 1&2 Emission- 2057787 tCO ₂ e <u>Program for further reduction of GHG emission is following:</u> We will work on below mentioned work to further reduce of GHG emission: 1- Increase use of green power. 2- Increase renewable power generation. 3- Increase the capacity of waste heat recovery system (WHRS). As of now 25 MW WHRS has been installed. 4- Improve thermal and electrical energy efficiency. 5- Encourage rail transportation in near future. 6- Increase electric and CNG vehicle. 7- Increase replacement of virgin raw materials and fuels with alternative raw material and other substitute. 8- Reduce clinker ratio. 9- Increase production of blended cement.
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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.	Complied Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan is prepared and implemented. Onsite emergency plan was approved by DISH vide OSEP NO: RE30052412223371 dated 01.07.2024. Approval of onsite emergency plan is mentioned below.
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**Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment
Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022**



DIRECTORATE, INDUSTRIAL HEALTH AND SAFETY, M.P. INDORE
518, New Moti Bungalow, M.G. Road, Indore-452007
Phone No. 0731-2533482, Fax- 0731-2544264, E-mail- dihsindore@gmail.com,
dihsindore@mp.gov.in (MAJOR ACCIDENT HAZARD CONTROL CELL)

OSEP NO : RE30052412223371 **Category : Under Section 3CCB**

To,
The Occupier,
JK Cement works Panna (Unit Of JK Cement Limited) (FAC2223371),
JK Cement works Panna (Unit Of JK Cement Limited) Harduaken, Amanganj,
Panna,
Pincode : ,
Dist.:Panna (M.P.)

Sub:-On-Site Emergency Plan.
Ref:- Your documents duly verified by the occupier & on the subject Dated **01/07/2024**
Please be informed that documents in which the Occupier have disclosed the information related to hazard at his installation in compliance of the Section 41-B of the Factories Act, 1948 and which also described his On-site Emergency Plan, (after supplementing certain modifications by the MAHC Cell distinctively marked on the plan) is hereby **Notified Final** with the following stipulations for the period from **08/07/2024 to 07/07/2026 :-**

1. That in case any relevant information as required under the Section 41-B of the Factories Act, 1948, if has not been disclosed this notification does not provide any exemption in this regard and the occupier his-self is liable for concealing the information;
2. That the document will be subjected for review :-
 - a) Generally after a period of two years from the date of issue of this letter;
 - or
 - b) During any intervening period of two years if it is instructed to do so by this cell;
 - or
 - c) Invariably, where any change in the plant, machinery, building, structure, substance, storage or the manufacturing process/ operations is intended by the occupier or his factory persons;
3. That the documents will have to be reviewed (as above) always in consultation with this cell and it will be occupier's liability to provide reasonable time for review and get notified final or further period.
4. The suitable Training/ Mock drills/ Exercises be arranged at the factory to make all concerned familiar with their duties/ responsibilities as outlined in the on-site emergency plan and be well trained to act accordingly at any emergency and save life as well as the property.


DIRECTORATE, INDUSTRIAL HEALTH AND SAFETY, M.P. INDORE
518, New Moti Bungalow, M.G. Road, Indore-452007
Phone No. 0731-2533482, Fax- 0731-2544264, E-mail- dihsindore@gmail.com
(MAJOR ACCIDENT HAZARD CONTROL CELL)

5. That report/ observations of mock drills/ rehearsal or action at any emergency situation that might have arisen, shall be furnished by the factory management to this cell to assess efficiency of the plan.

6. The necessary copies of this plan or part thereof be got multiplied by the factory management and provided to all concerning statutory authorities and other persons and also placed at designated emergency control center in an accessible place to all concerned in the factory.

7. That in case of failure to comply with the stipulations or the relevant provisions of the laws, not withstanding legal proceedings to which the occupier may be subjected he or his-self will bear (for any suspension/ refusal/ rejection of his license to work the factory) the liability of such action.

Condition :- (1) Sufficient fire fighting facilities shall be maintained in the factory as per Rule 72 of M.P. Factories Rules 1962. (2) All the preventive measures shall be ensured in the factory regarding storage and handling of all hazardous materials as mentioned in its MSDS uploaded with the plan.

ENCLOSED:-Copy of on site emergency plan

Indore
Dated : 08/07/2024

Director,
Chief Inspector of Factories
Industrial Health and Safety,
Govt. of Madhya Pradesh, Indore


Validity unknown
Digitally Signed By: PANKAJ KUMAR
(DIRECTORATE OF INDUSTRIAL HEALTH
AND SAFETY)
Date: 10-Jul-2024 16:18:15 IST

This is a digitally signed online verifiable document and does not need manual signature.

On-site Emergency Site Plan Copy

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.	Complied. Based on the procedure mentioned in "Industrial and Occupational Health" by S.K. Haldar, our doctors' team have conducted heat stress analysis for the workmen who work in high temperature work zone in the plant. An analysis report is prepared and enclosed as Annexure-6 . However, we are also providing 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.	Complied. Occupational health surveillance of the employees & workers are being carrying out on a regular basis. In FY 2024-25 during (Apr-24 to Mar-25) total 628 no's PME is carried out for employees & and Contact workers. Report of some of them is given below

Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022


 JKcement	Occupational Health Center JK Cement Works, Amanganj Employee Health Card	Print Date : 05-Nov-2024 12:28 PM Page No. : 1 of 3
Employee Details :		
Report No : Aman/PMC/2024/00289	Employee Name : ADITYA KUMAR VISHWAKARMA (MAN00086)	
Category : Agency Employee	Agency / Plant/Site : Manish Awasthi-Panna	
Department : PROCESS	Dispensary : Amanganj	
Designation : Attender	Contact # : 822367204	
Blood Group :	Age : 23	
Periodic Checkup Details :		
Medical CheckUp Date : 12-Jun-2024		Fitness Status : Fit
Validity Date : 13-Jun-2025		
Check Up For	Results	Unit
Physical Examination		Reference Interval
X-Ray (Chest)	-	
HEIGHT	162	CM
WEIGHT	49	KG
B.M.I	18.67	Kg/m ²
Pulse	78	B/M
BLOOD PRESSURE	124/76	mmHg
SPO ₂	98	%
Respiration Rate	20	B/M
Temperature	97.5	°F
THORAT DISEASE/MUMES	Normal	
SKIN DISEASE	Normal	
Heart Sound	S1S2+	
ECG	Normal	
LUNGS DISEASE(SELF OR FAMILY HISTORY)	Normal	
SPIROMETERY	-	
AUDIOMETRY	Normal	
EYE-VISION	NORMAL	
COLOUR VISION-LEFT	N/6	
COLOUR VISION-RIGHT	N/6	
Bio Chemistry		

This Report Not Valid For Medical - Legal Purpose


(C.M.O.M.O.)

JK CEMENT OHC PANNA
JK CEMENT AMANGAJ PANNA

Patient: ADITYA	Age: 23 Yrs	Gender: Male
Refd.By: Dr. Pradeep Sharma	Height: 162 Cm	Smoker: No
Pres.Digne: RECORDER	Weight: 49 Kg	Rth. Cover: 100
Date: 12-Jun-2024 09:55 AM	ID: MAN00086	Temp: -




Volume (Litres)



Time (seconds)

Volume (Litres)



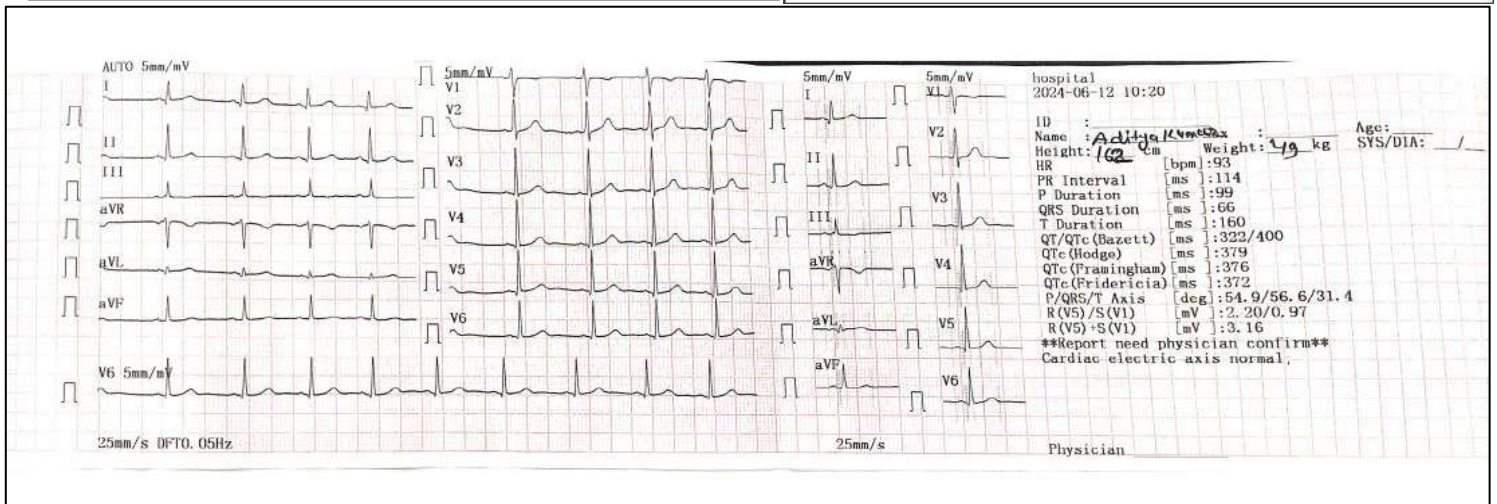
Time (seconds)

Parameter	Pred	H.Pre	SPRD	H.Post	Pred	Minp
PVC	(L)	03.29	03.21	031	---	---
PVC	(L)	02.87	02.31	290	---	---
FEV1	(L)	07.23	06.00	115	---	---
FEV1/FVC	(%)	04.25	02.88	365	---	---
MFR	(L/s)	04.88	04.48	079	---	---
FFVC	(L)	---	02.18	---	---	---
FEV1.5	(L)	---	02.08	---	---	---
FEV1.5	(L)	---	02.57	985	---	---
PFR	(L/s)	---	05.84	---	---	---
FEF 75-85	(L/s)	---	02.02	---	---	---
FEF 75-115	(L/s)	01.44	02.60	079	---	---
RFR 256	(L/s)	01.94	06.28	080	---	---
PFR 50%	(L/s)	05.82	03.88	887	---	---
RFR 15%	(L/s)	03.30	02.45	974	---	---
FEV1.5/FVC	(%)	---	80.85	---	---	---
FEV1/FVC	(%)	96.96	100.90	103	---	---
FEV1	(litre)	---	02.62	---	---	---
Exp.V1/min	(litre)	---	00.87	---	---	---
Swag Age	(Yr)	063	025	109	---	---
FEV1	(L)	03.29	---	---	---	---
FIF 45%	(L/s)	---	00.9	---	---	---
FIF 50%	(L/s)	---	00.84	---	---	---
FIF 15%	(L/s)	---	02.10	---	---	---
DOD	(L)	---	---	---	---	---
DSD	(L)	01.51	---	---	---	---
TDE	(L)	---	---	---	---	---
VE	(L/min)	---	---	---	---	---
ME	(L/min)	---	---	---	---	---
V1	(litre)	---	---	---	---	---
V1	(litre)	---	---	---	---	---
V1/V1	(L)	---	---	---	---	---
V1/TOT	(L)	---	---	---	---	---
IC	(L)	---	---	---	---	---
MRP	(L/min)	---	---	---	---	---
MRP	(L/min)	---	---	---	---	---
MRP	(L)	---	---	---	---	---

Pre Medication Report Indicates Mild Restriction as (FEV1/FVC)Pred >95 and FVCpred <80

Dr. Pradeep Sharma

The contents of this report require clinical correlation before any clinical action.
<http://www.pnn.co.in> © RMS (jk cement ohc) ver.2.2.4-07



Employee Health Certificate

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. | Complied.
CER proposal is being implemented as per Ministry's OM vide F. No. 22-65/2017-IA.III dated 1st May 2018. Present status is mentioned below. |
|----|---|---|

S.No.	Activities	Total Expenditure up to March-25 (in Lakhs)
1	Health (Health, Check-up, Camp, Sports etc.)	274.93
2	Education (Books, Bags, Stationary etc.)	346.57
3	Sanitation (Domestic water, Toilets etc.)	50.46
4	Skill Development (Training centre etc.)	14.58
5	Infrastructure (Road, Community Centers, etc.)	793.06
6	Other Local Social Need	152.05
7	Greenery Development Nearby Area	398.09
Total		2029.74

Corporate Environment Responsibility (CER) Expenditure Report of Cement Plant



Environment Awareness session at near School

Bridge construction at Kakra village



Constructed concrete water tank at Judi Village


MMU visit at nearby villages

**Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment
Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022**

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 (Policy copy attached are mentioned below.)




Jaykaycem (Central) Ltd.
(CIN: U72305UP1987PLC009162)
(Wholly Owned Subsidiary of JK Cement Ltd.)

**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:


- Optimum and sustainable extraction & utilization of natural resources.
- Conducting all the activities & operation of the company in accordance with all applicable environmental laws, regulations and applicable codes of standards.
- Implementation of state of the art technology to minimize the impact on environment.
- 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.
- Continuous efforts to minimize the fresh water utilization via rain water harvesting, recycling & reuse of waste water and contributing towards water positivity and neutrality.
- 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.
- Greenbelt development for improvement in local bio-diversity and conservation through association with local communities, authorities and other stakeholders.
- Involving the Employees, Suppliers, Vendors, Customers, Clients and other Business Associates to promote awareness among them for their responsibility to achieve our sustainable Goals.
- Creating awareness among all stakeholders including employees, customers, vendors and supplier for environmental issues as well as compliance of relevant environmental legislation.
- 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.

Ajay Kumar Saraogi
Managing Director

Date: 25th May 2021

Phone : +91-512-2371478 to 81
Fax (Office) : +91-512-2330854
Telefax : +91-512-2332865
E-mail : jk@jaykaycem.com, jkcentral@jaykaycem.com

Registered Office :
Kamla Tower, Sector-20B DDI (U.P.) INDIA



Jaykaycem (Central) Ltd.
(CIN: U72305UP1987PLC009162)
(Wholly Owned Subsidiary of JK Cement Ltd.)

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
- Roller 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, covered 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, RDP/SCP/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 filling 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, Karamda, Judd, Sagda, Dera, Pundit, Dera, Tehsil - Amargarh, District - Panaji, M.P. INDIA.
Village : Ingolia, Tehsil : Haripur, District : Haripur, U.P. INDIA


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- 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.

Ajay Kumar Saraogi
Managing Director

Date: 25th May 2021

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
3. ROLES & RESPONSIBILITIES FOR EMS

Roles and responsibilities of various personnel, who manage, perform and verify the activities and their impacts on environment under OHS&E 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.

```

graph TD
    Board[Board of Directors] --> CEO[Chief Executive Officer]
    CEO --> PH[Project Head]
    PH --> CHE[Corporate Head Environment]
    PH --> TH[Technical Head]
    CHE --> SHE[Section Head Environment]
    TH --> SHE
    SHE --> OEE[Officer/Engineer Environment]
    SHE --> OEH[Officer/Engineer Horticulture]
    OEE --> FAE[Field Assistant Environment]
    OEH --> FAH[Field Assistant Horticulture]
        
```

For Jaykaycem (Central) Ltd.

Ajay Kumar Saraogi
Managing Director

Date: 25th May 2021

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Kamla Tower, Sector-20B DDI (U.P.) INDIA

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 Cell both at the project and company head quarter level, with qualified personnel has been set up under the control of senior Executive, who is directly reporting to the head of the organization.
------	--	--

X. Miscellaneous

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 Nav Bharat on dated 08.03.2022 and also displayed at company's website. (Advertisement copy are mentioned below.)
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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.	Complied. Copy of the EC has been submitted to concerned vide letter No. PCP/EMD/CWLA/F12/039 dated 04.03.2022 (Acknowledgement copy are mentioned below.)
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Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022

Jaykaycem (Central) Ltd.
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Ref. No. POP/EMD/CWLA/F 12/039 दिनांक - 04.03.2022

प्रति
कलेक्टर महोदय,
जिला पन्ना (म.प्र.) - 488 001

विषय - पर्यावरण स्वीकृति सूचना - पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय भारत सरकार नई दिल्ली में मेसर्स जेकेसेम (सेन्ट्रल) लिमिटेड की प्रस्तावित सीमेंट प्लांट की सीमेंट परियोजना के लिए सहायित समता हेतु।

सन्दर्भ - पर्यावरण स्वीकृति EC Identification No. EC 22A009MP110720, File No. IA-J-11011/224/2016-IA-II(I), दिनांक 02.03.2022।

महोदय,

आपको सूचित किया जाता है कि पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय (एम.एन.ई.ए.सी.) भारत सरकार नई दिल्ली ने ई.आई.ए. अधिनियम 2006 के अर्जिन में सेल जेके सेम (सेन्ट्रल) लिमिटेड नाम - देवर, डरदुवाकेन, पुरना, सोनीपुरा बमहायन तहसील - प्रतापगढ़, जिला पन्ना (म.प्र.) की प्रस्तावित सीमेंट प्लांट की सीमेंट परियोजना के लिए सहायित समता (5.28 MTPA + 6.60 MTPA शिफ्टर (3.30 MTPA X 2 शिफ्ट), 6 MTPA सीमेंट (3 MTPA X 2 शिफ्ट), 40-44 MW के एच पावर (20 x 2 शिफ्ट), 30 + 50 MW WHRS (25 X 2 शिफ्ट) तथा 500 + 2500 केवीए क डीजी सेट के लिए पर्यावरण की अनुमति प्रदान की गई है।

भारत जेकेसेम (सेन्ट्रल) लिमिटेड
(आदेश प्रदायक)
वरिष्ठ महाप्रबन्धक-परियोजना

संलग्नक - पर्यावरण स्वीकृति EC Identification No. EC 22A009MP110720, File No. IA-J-11011/224/2016-IA-II(I), दिनांक 02.03.2022।

प्रतिलिपि-

क्रमांक	कार्यालय का नाम	समर्थी प्राप्त करने वाले के नाम/हस्ताक्षर
1.	मुख्य कार्यपालन अधिकारी, जिला पन्ना, पन्ना - 488 001	प्रतापगढ़ (म.प्र.) 04.03.2022

Jaykaycem (Central) Ltd.
(Wholly Owned Subsidiary of JK Cement Ltd.)

2.	महाप्रबन्धक जिला व्यापार एवं उद्योग केन्द्र, पन्ना, 488 001	
3.	सरपंच/सचिव, ग्राम पंचायत सिधौरा (ग्राम ककरा ब रापड़) जिला-पन्ना 488 441	
4.	सरपंच/सचिव, ग्राम पंचायत पंचायत कमलाता (ग्राम केमलाता) जिला-पन्ना 488 441	
5.	सरपंच/सचिव, ग्राम पंचायत पन्ना (ग्राम जूडी) जिला-पन्ना 488 441	
6.	सरपंच/सचिव, ग्राम पंचायत बिल्ला (ग्राम देवरी पुरोहित) जिला-पन्ना 488 441	
7.	सरपंच/सचिव, ग्राम पंचायत देवरा (ग्राम देवरा) जिला-पन्ना 488 441	

Acknowledgement copy

iii. The project proponent shall upload the status of compliance of the stipulated environment clearance condition, including result of monitored data on there website and update the same on half -yearly basis.

Complied. Six monthly compliance status report along with monitoring data is uploaded at company's website conditions, including results of monitored mentioned as below.) their website and update the same on half-yearly basis.

JKC AYA JKC DNA JK Uphaar JKC Shoorveer JKC Samridhi JKC Kuber JKC Tech Xpert Find a Retailer Institutional Buyer Apply for dealership Office locator

JKCement About Products Services Paramb Blog Search

Environmental Compliance Reports

Home » Environmental Compliance

Communication of SBTi Commitment

JK Cement Works, Panna					
Integrated Cement Plant					
	Compliance report of Environment Clearance	Environment Clearance	Environmental Monitoring Report	Environment Statement Report	Bio Medical Waste
Apr-24 to Sep-24					

Uploaded EC report in company's website

Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022

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.	Complied. Ambient air quality and stack emission are being monitored and displayed at main gate through a LED system and reports are uploaded along with the EC compliance report at company website (LED picture is mentioned below.)
-----	---	---



Online Data display in Main gate

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.	Complied. Six monthly compliance status is being reported to the MoEF&CC website and Climate Change at environment clearance portal (Screenshot of parivesh portal is mentioned below.)
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		परियेश, वन और जलवायु परिवर्तन मंत्रालय Ministry of Environment, Forest and Climate Change							
Dashboard Environment Clearance Forest Clearance Wildlife Clearance CRZ Clearance Go To Home Logout									
Welcome, Project Proponent									
List of Uploaded EC Compliance Reports									
Sr.No.	Proposal No. / Name of Project	Compliance No./ EC Letter Number	State and District	Year of Compliance	Period of Compliance	Remarks	Uploaded Date	Status	View
1	IA/MP/IND/254132/2022 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, Purnima, Sotipura & Madaiyan, Tehsil: Amanganj, District: Panna (Madhya Pradesh) by M/s. J K Cement Limited.	EC/M/COMPLIANCE/110904099/2024 IA-J-11011/224/2016-IA-II(I)	MADHYA PRADESH PANNA	2024	01 Dec(01 Apr - 30 Sep)	Submission of Half Yearly Environmental Clearance Compliance Status Report for period from April 2024 to September 2024 of J K CEMENT LTD, located at Villages Devra, Hardua, Purnima, Sotipura and Madaiyan, Tehsil- Amanganj, Dist. Panna, Madhya Pradesh.	29-11-2024	Submitted Successfully	View Report View Documents Compliance Summary

EC Compliance report uploading in Parivesh 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.	Complied. Environmental statement report for F.Y. 2023-24 has been submitted to the MPPCB in prescribed format and put on the website of the company (Email sent copy and company website screenshot are mentioned below.)
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Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022

<p>JK Cement</p> <p>JK Cement Works, Panna Formerly known as Jaykaycem (Central) Ltd. now amalgamated! A Unit of JK Cement Ltd. CIN: L17220UP1994PLC0317199 Village - Harduaken, Tehsil - Amanjanj District - Panna, State - Madhya Pradesh, India - 488 441 ✆ +91-512-2371470 ✉ jk.panna@jkcement.com @www.jkcement.com</p> <hr/> <p>Ref: JK/CTO-(PLANT)/2024-25/19/07</p> <p>To, The Member Secretary, MP Pollution Control Board, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP).</p> <p>Subject: Environment Statement Report (Form-V) for FY. 2023-24 of M/s J K Cement Limited, Plot No. Various Khassa at Village - Devra, Harduaken, Puraina, Sotipura, Maddayan, Amanganj-Hatta Road, Tehsil: Amanganj, Distt: Panna (M.P.) – 488441.</p> <p>Reference No.:</p> <ol style="list-style-type: none"> Environment Clearance vide letter no. IA-J-11/011/224/2016-IA-II(I) dated 02.03.2022. Consent No: AWH-56455, Valid up to - (Air/Water) – 30.06.2025, (Hazardous) - 30.06.2027. <p>Dear sir,</p> <p>With reference to aforesaid subject, please find herewith enclosed Environment Statement Report (Form-V) for FY.2023-24 of M/s J K Cement Limited, Plot No. Various Khassa at Village - Devra, Harduaken, Puraina, Sotipura, Maddayan, Amanganj-Hatta Road, Tehsil: Amanganj, Distt: Panna (M.P.) – 488441.</p> <p>This is for your kind information and record, please.</p> <p>Thanking you. Yours faithfully,</p> <p>For J K Cement Limited, Panna</p> <p><i>Kapil Agrawal</i> Kapil Agrawal (Unit Head) Encl: As above</p> <p>CC: 1- The Regional Office (WZ), MoEF&CC, Kendriya Paryawaran Bhawan, Bhopal – 462 016 2- Regional Officer, Regional Office, MP Pollution Control Board, Makronia, Sagar (MP)</p> <hr/> <p>Corporate Office Plot No. Treasury, Industrial Estate, Nityanandi Estate, Gwal Patari, Gurgaon, Haryana - 122102, India ✆ +91-22-66110000 ✉ admin.panna@jkcement.com www.jkcement.com CIN: L17220UP1994PLC0317199</p> <p>JK SUPER CEMENT BUILDERS Manufacturing Units at: Wardahara, Mangrol, Dahanu (Rajasthan); Shivnagar (Maharashtra) Jwarhi (Madhya Pradesh); Panna, Ujjain (M.P.); Faridkot, Rajasthan Hamirpur (U.P.); Belgaum (Goa) & Firozabad</p> <p>Registered Office : Kamla Towers, Kanpur 208001, U.P., India. ✆ +91-512-2371470 to 55 ✉ P-512-2399104 @www.jkcement.com</p>	<p>11:52A 11:05 PM JK Cement Mail - Env. Environment Statement Report (Form-V) for FY. 2023-24 of M/s J K Cement Limited, Plot No. Various</p> <p>JKCement</p> <p>Sudama Gupta <sudama.gupta@jkcement.com></p> <hr/> <p>Fwd: Environment Statement Report (Form-V) for FY. 2023-24 of M/s J K Cement Limited, Plot No. Various Khassa at Village - Devra, Harduaken, Puraina, Sotipura, Maddayan, Amanganj-Hatta Road, Tehsil: Amanganj, Distt: Panna (M.P.) – 488441.</p> <p>Saurabh Yadav <saurabh.yadav1@jkcement.com> To: Sudama Gupta <sudama.gupta@jkcement.com></p> <p>Tue, Nov 5, 2024 at 5:28 PM</p> <hr/> <p>----- Forwarded message ----- From: Saurabh Yadav <saurabh.yadav1@jkcement.com> Date: Sat, Sep 14, 2024 at 6:35 PM Subject: Environment Statement Report (Form-V) for FY. 2023-24 of M/s J K Cement Limited, Plot No. Various Khassa at Village - Devra, Harduaken, Puraina, Sotipura, Maddayan, Amanganj-Hatta Road, Tehsil: Amanganj, Distt: Panna (M.P.) – 488441. To: <mnpccbp@mnp.gov.in> Cc: <mnpccbp_saga@rediffmail.com>, <towz.bpl.mst@nic.in>, <opcb.bhopal@gov.in></p> <p>To, The Member Secretary, MP Pollution Control Board, Paryawaran Parisar, E-5, Arera Colony, Bhopal (MP).</p> <p>Subject: Environment Statement Report (Form-V) for FY. 2023-24 of M/s J K Cement Limited, Plot No. Various Khassa at Village - Devra, Harduaken, Puraina, Sotipura, Maddayan, Amanganj-Hatta Road, Tehsil: Amanganj, Distt: Panna (M.P.) – 488441.</p> <p>Reference No.:</p> <ol style="list-style-type: none"> Environment Clearance vide letter no. IA-J-11/011/224/2016-IA-II(I) dated 02.03.2022. Consent No: AWH-56455, Valid up to - (Air/Water) – 30.06.2025, (Hazardous) - 30.06.2027. <p>Dear sir,</p> <p>With reference to aforesaid subject, please find herewith enclosed Environment Statement Report (Form-V) for FY. 2023-24 of M/s J K Cement Limited, Plot No. Various Khassa at Village - Devra, Harduaken, Puraina, Sotipura, Maddayan, Amanganj-Hatta Road, Tehsil: Amanganj, Distt: Panna (M.P.) – 488441.</p> <p>This is for your kind information and record, please.</p> <p>Thanking you. Yours faithfully,</p> <p>Dr. Saurabh Kumar Yadav Dy. General Manager (Environment) J K Cement Limited, Panna</p> <p>https://mail.google/mail/u/0/?ik=1a6d61e3c8b3-view=j3scsrab-yd1-permmsg-id-mag-f1e148f2c7192323083&aspin=msg-f1e148f2c7192323... 1/2</p>
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Last Environment Statement report submission in MPPCB

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JK Cement

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Communication of SBTi Commitment

JK Cement Works, Panna

Integrated Cement Plant

	Compliance report of Environment Clearance	Environment Clearance	Environmental Monitoring Report	Environment Statement Report	Bio Medical Waste
Oct 2023 - March 2024					
Jan'23-Dec'23					
August'24					
FY 23-24					

Environment Statement report uploading in Company website.

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.
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Complied. Intimation regarding the date of financial closure, final approval of concerned authority, commencing the land development work and start of production have been submitted to the Ministry via. letter no. JAYKAYCEM/ENV. /Corres./2022-23/03 dated 12.11.2022 & JKCEMENT/ENV./CORRES./2024-25/07/10 dated 13.06.2024.

Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022



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	Complied with 1st year & 2nd year CER Budget target and Compliance in Progress with 3rd year CER budget expenditure. We would like to appraise you that our year wise expenditure under CER is following: 1 st year- November 22 to October 23- Rs. 744.71 Lakhs 2 nd year -(November 23 to October- 2024)- Rs. 1078.92 Lakh. 3 rd year- (November 24 to till March-25)- RS. 206.11 Lakh. Our total expenditure done from November 2022 to March 2025 is Rs. 2029.74 Lakhs.
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

**Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment
Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022**

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

Environment Clearance vide no. IA-J-11011/224/2016-IA.II(I) dated 14.10.2020

Specific Condition

S. No.	EC Conditions	EC Compliance Status
i.	Project proponent shall comply with the outcome of the court case pending before the Lok Adalat, Panna. (Specific Condition –i)	Complied. The Court case has been disposed off by the Lok Adalat, Panna. Dispose off copy enclosed as Annexure-7.
ii.	Following points shall be complied. 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. 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. c. A 100 m wide green belt shall be provided on south west side of the plant to protect the village from pollution. d. Revised lay out map to this effect shall be furnished within 15 days to the Ministry and its Regional Office for records.	Complied. a. No Colony is constructed in North East direction. b. No CPP is installed. c. Green belt of 100m wide in SW side of the plant boundary towards the village. d. Revised layout has already been submitted to the Ministry on 15.10.2020 in soft copy by mail. Layout copy enclosed as Annexure-8.
iii.	Plant shall operate on ZLD. (Specific Condition –ix)	Complied. Plant is being operated on ZLD. The Waste water generated from the Waste Heat Recovery System (WHRS) is used in the mill spray.
iv.	Energy Conservation measures (ii) Maximize utilization of alternate fuels and Coprocessing to achieve best practice norms	Complied We are utilizing Maximum alternate fuels and Coprocessing to achieve best practice norms
v.	Waste management-(i) Kitchen waste shall be composted or converted to biogas for further use.	Complied We have installed waste composter of capacity 150 Kg/Day and compost is used in horticulture. Picture are mentioned below.



Waste composter

Environment Clearance vide no. IA-J-11011/224/2016-IA-II(IND-I) dated 02.01.2025		
Specific Condition		
S. No.	EC Conditions	EC Compliance Status
1.1	The PP shall take steps to ensure the timely completion of the Overland Belt Conveyor (OLBC), as per the target of August 2025, to meet operational and compliance requirements. The PP is also directed to prioritize stakeholder consultations to address potential challenges proactively and expedite any remaining actions.	Agreed & Will be complied.
1.2	The PP shall ensure covered transportation and conveying of limestone to prevent spillage and dust generation. The project proponent use leak proof trucks/dumpers carrying limestone and cover them with tarpaulin.	Complied. Leak proof trucks /dumpers with covered manner used for material transport.
1.3	All transport vehicles must undergo regular maintenance to minimize emissions and oil leaks, and must comply with emission standards and fuel efficiency requirements. Roads shall be maintained in good condition to reduce noise due to traffic	Complied. Timely maintenance is done of vehicles and roads are maintain in good condition.
1.4	Waste generated during transportation must be properly managed and disposed of, with measures in place to prevent spillage during loading, unloading, and transit. Environmental mitigation measures shall be undertaken like deploying Mechanical Road sweepers, Mobile fog type of water sprinklers to arrest dust pollution.	Complied. No waste is generated in transportation. Mechanical road sweepers (3 nos.) are available for road sweeping and water sprinklers have been installed.
1.5	The PP shall prepare and implement a comprehensive Greenbelt Development Action Plan during the next monsoon season, ensuring the greenbelt area covers 33% of the project area. The plan shall prioritize native species plantation to enhance biodiversity and avoid further plantation of Conocarpus trees. The survival, health, and width of the greenbelt shall be closely monitored, and necessary corrective actions shall be taken to maintain the biodiversity of flora and fauna in the area.	Complied. 33% area (i.e. 40.67 Ha.) of total land (123.25 Ha.) has been covered with plantation.

**Environment Clearance (EC) Compliance Report for period from October' 2024 to March' 2025 Environment
Clearance vide no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022**

1.6	PP to submit all the necessary NOCs to the Ministry/EAC, along with the Socio-Environmental mitigations measures and safety SOPs and implement them at the places where the proposed OLBC shall cross the Roads/ Rivers or any other public utilities.	Complied. Permission for laying the OLBC across the ken river has been obtained by the company from water resource department, Government of Madhya Pradesh on 9 th Feb. 2024 and NOC for OLBC installation has also been granted by Madhya Pradesh rural road development authority on 20 th Jan. 2024.
1.7	The PP shall prepare a Standard Operating Procedure (SOP) for housekeeping in the cement plant. The SOP shall be implemented rigorously, with regular monitoring and necessary course corrections to ensure improved housekeeping standards across the plant premises.	Complied. SOP is prepared for housekeeping and implemented.
1.8	The hot air dryer must be properly sealed and enclosed to enhance dust control. Temperature within the dryer should be closely monitored and controlled to prevent overheating, material clumping, melting, or the release of hazardous substances, with automatic shut-off systems in place for temperature anomalies.	Will be complied after installation of HAG.
1.9	Operators should be trained on proper handling and safety measures for using hot air dryers with slag or bottom ash. The drying process should be optimized for energy efficiency, incorporating heat recovery systems to reuse waste heat and reduce overall energy consumption, and regular maintenance should be conducted to ensure efficient operation.	Will be complied after installation of HAG.
1.10	Regular environmental monitoring of air quality, temperature, and emissions around the dryer shall be conducted, with detailed records maintained.	Will be complied after installation of HAG.
1.11	The PP shall undertake plantation, in compliance to MoEFCC OM dated 24.07.2024, in the earmarked 33% greenbelt area as a part of tree plantation campaign 'Ek Ped Maa Ke Naam' Campaign and the details of the same shall be uploaded on MeriLiFE portal at (https://merilife.nic.in)	Complied. We have done plantation in villages viz. Koni, Boda, Simariya, Maharajganj, Kulua and Ganiyari. Total 12000 Nos. sapling has been planted.

Yours Sincerely

For: JK Cement Limited. Panna,



Kapil Agrawal
(Authorized signatory & Unit Head)



Annexure-1

Performance Monitoring of Pollution Control Equipment



Sudama Gupta <sudama.gupta@jkcement.com>

Submission of performance monitoring reports of pollution control equipment's for J K Cement Ltd. located at Villages Devra, Hardua, Puraina, Sotipura & Madaiyan, Tehsil: Amanganj(Old Pawai), Dist. Panna, Madhya Pradesh.

Saurabh Yadav <saurabh.yadav1@jkcement.com>

Fri, Aug 2, 2024 at 5:15 PM

To: rowz.bpl-mef@nic.in

Cc: dirind-moefcc@gov.in, Kapil Agrawal <kapil.agrawal@jkcement.com>, Sudama Gupta <sudama.gupta@jkcement.com>

To,
The 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 performance monitoring reports of pollution control equipments for J K Cement Ltd. located at Villages Devra, Hardua, Puraina, Sotipura & Madaiyan, Tehsil: Amanganj (Old Pawai), Dist. Panna, Madhya Pradesh.

Reference No.: Environment Clearance no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022 (Condition no. A. Specific Conditions - X).

Dear sir,

With reference to aforesaid subject, please find herewith enclosed performance monitoring reports of pollution control equipments for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) 488441.

This is for your kind information and record, please.

With Regards,
Dr. Saurabh Kumar
Dy. General Manager (Environment)

J K Cement Limited
Village- Harduwaken, Tahsil- Amanganj,
District- Panna
[Email- saurabh.yadav1@jkcement.com](mailto:saurabh.yadav1@jkcement.com) [Web:- www.jkcement.com](http://www.jkcement.com)
[Mob.:- +91 9686502172](tel:+919686502172)



Submission of performance monitoring reports of pollution control equipment's.pdf
4258K

Ref. No. JKCEMENT/ENV./CORRES./2024-25/07/11

Dated: 01.08.2024

To,
The 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 performance monitoring reports of pollution control equipment's for J K Cement Ltd. located at Villages Devra, Hardua, Puraina, Sotipura & Madaiyan, Tehsil: Amanganj (Old Pawai), Dist. Panna, Madhya Pradesh.

Reference No.: Environment Clearance no IA-J-11011/224/2016-IA. II (I) dated 02.03.2022 (Condition no. A. Specific Conditions - X).

Dear sir,

With reference to aforesaid subject, please find herewith enclosed performance monitoring reports of pollution control equipment's for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) 488441.

This is for your kind information and record, please.

Thanking you.
Yours faithfully,

For J K Cement Limited, Panna



for
Kapil Agrawal
(Unit Head)

Encl: As above

CC: The Director, Ministry of Env., Forest and Climate Change, Indira Paryavaran Bhawan Jorbagh Road, New Delhi – 110 003.

Corporate Office

📍 Prism Tower, Ground Floor, Ninaniya Estate,
Gwal Pahari, Gurugram, Haryana - 122102, India
☎ +0124-6919000
📧 admin.prism@jkcement.com
🌐 www.jkcement.com
CIN: L17229UP1994PLC017199

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Jharli (Haryana) | Katni, Panna, Ujjain (M.P.) | Prayagraj, Aligarh,
Hamirpur (U.P.) | Balasinor (Gujarat) | Fujairah

Performance Monitoring Reports of Air Pollution Control Device's (APCD).



Sponsor:



Cement Division, Unit-Panna.

Report Prepared by:



Vimta Labs Ltd.

142, IDA, Phase-II, Cherlapally

Hyderabad-500 051

env@vimta.com, www.vimta.com

(QCI/NABET Accredited EIA Consultancy Organization,
NABL Accredited & ISO 17025 Certified and MoEF & CC Recognized Laboratory)

PREFACE

J K CEMENTS LIMITED.
Cement Division, Unit- Panna.

***Performance Monitoring Reports of Air Pollution Control
Device's (APCD).***

For and on behalf of VIMTA Labs Limited

Approved by : **Lavanya Bende**

Signed : 

Designation : **Senior Scientist- Environment**

Date : **2024/07/19**

This report has been prepared by Vimta Labs Limited with all reasonable skill, care, and diligence within the terms of the contract with the client, incorporating our General Terms and Conditions of Business and taking account of the resources devoted to it by agreement with the client.

We disclaim any responsibility to the client and others in respect of any matters outside the scope of the above.

1.0 Introduction

JK Cement Ltd. is one of India's leading manufacturers of Grey Cement and one of the leading White Cement manufacturers in the World. Over four decades, the Company has partnered India's multi-sectoral infrastructure needs on the strength of its product excellence, customer orientation and technology leadership. JK Cement's operations commenced with commercial production at its flagship grey cement unit at Panna, Madhya Pradesh in November 2022. The Company has an installed Grey Cement capacity of 3.0 MnTPA & Clinker capacity 3.3 MnTPA & WHRS 25 MW as on date, making it one of the top cement manufacturers in the Country.

2.0 Background

Cement, power, chemical, textile and various other industries are indicators of country's progress, however all these industries have adverse impact on environment through emission of pollutants. India, like many other countries, has put in place a regulatory regime to control industrial emissions into air. For industries it is very difficult to follow these regimes due to continuous varying emission level depending on various factors like variation in per day production based on market demand, load, operating hours, season etc. and conventional emission monitoring system represent the emission level of particular time period only.

Continuous emission monitoring system (CEMS) has become necessity to monitor & regulate emission level. CEMS refers to the instrumentation and associated computing hardware and software used to measure pollutant levels in exhaust gas from industrial sources at a higher frequency (e.g., once or more per minute). Most PM CEMS device technologies employ indirect measurement principles and therefore require calibration before use. For instance, light scattering CEMS technology, which is commonly used to measure PM emissions, calculates the concentration of pollutants based on changes in the optical properties of stack gas. Calibration

(performance & reliability) of CEMS ensures the complete integrity & reliability of data acquired from CEMS.

JK Cement Ltd, Situated at Village Harduwaken, Tehsil Amanganj , Distt Panna Madhya Pradesh, has put Particulate matter for APCD monitoring of particulate matter emission level. Performance monitoring of APCD Performance monitoring of PCE was performed by M/s. Vimta Labs Limited, Hyderabad. To comply the regulatory requirement M/s Vimta Labs Limited was follow Central Pollution Control Board specifications and guidelines for continuous emissions monitoring systems (CEMS) for Particulate Matter (PM) measurement with special reference to emission trading programs (CPCB/e- PUBLICATION/2013-14) and 1st Revised Guidelines for Continuous emission monitoring systems in September 2018. Standard reference method of Isokinetic sampling technique was adopted for comparison study of online data received from Stacks.

3.0 Standard Reference Method (SRM)

Particulate matter is withdrawn Iso-kinetically from the duct/stack and collected in a Micro Glass fibre thimble maintained at duct/stack temperature. The particulate matter, which includes any material that collects in the Filter thimble, is determined gravimetrically after the removal of uncombined moisture. The Iso-kinetic flow rate is calculated from the arrived flue gas velocity inside the duct/stack at respective traverse points, which is calculated based on the measured parameters like temperature, moisture, molecular weight, velocity head at respective traverse points and static head.

4.0 Calibration Procedure:

Particulate matter emission level of 4 stacks (stationary source of emission) installed in plant was measured by standard reference method of Isokinetic sampling technique. Total three measurements were carried out in each stack of Concern Mills (wherever possible). Micro Glass Fiber Filter thimbles are used for dust collection. And were conditioned at 120°C to constant

weighing before & after sampling. Data acquired from APCD for each stack during Real time period of Iso-kinetic sampling was collected. Since in every study each collected data is associated with some inherent error due to various unavoidable factors, therefore to standard reference method of Iso-kinetic sampling method. As per CPCB/e-Publication/2013-14 guideline, maximum acceptable limit for %RMSPE is less than 30. If %RMSE is more than 30.

5.0 Instruments:

For this study, Iso-kinetic sampling train for Particulate Matter was carried out in different stacks in J K Cement Works Panna, in Panna district, Madhya Pradesh, by stack sampling kit VSS- 1 of Envirotech Instruments Private Limited. Dust sample was collected in Whatman glass fiber thimbles.

6.0 Gaseous Composition Measurement

The measurement of the O₂, & CO₂ was carried out with the Portable Combustion Flue Gas Analyzer Make of MRU GmbH Model Optima 7 with according to USEPA Method 30&34.



FIGURE-1
PORTABLE COMBUSTION GAS ANALYSER

7.0 Exhaust Gas Volume Stream

7.1 Velocity

The velocity profile was measured using S-type Pitot tube according to USEPA-guideline method no.2.

TABLE-1
INSTRUMENT DETAILS FOR VELOCITY MEASUREMENT

Parameter	Instrument and its Specification
S- Type Pitot tube	<ul style="list-style-type: none"> Envirotech Stack Sampling Kit Validated with calibration Report
Dynamic pressure	<ul style="list-style-type: none"> Incline cum vertical manometer Envirotech Stack Sampling Kit Accuracy: ± 1 [%] of measuring range
Static pressure	<ul style="list-style-type: none"> Incline cum vertical manometer Envirotech Stack Sampling Kit Accuracy: ± 1 [%] of measuring range
Ambient pressure	<ul style="list-style-type: none"> Digital Barometer, Testo 511, Germany Range: 300 – 1200 hPa [mbar] Accuracy: ± 3 hPa

7.2 Exhaust gas temperature

During the whole measuring period the temperature of the exhaust gas was measured in multi- points of the cross-section area of the stack with a K type thermocouple in connection with a display unit.

Envirotech Stack Sampling Kit

TABLE-2
INSTRUMENT DETAILS OF TEMPERATURE MEASUREMENT

Parameter	Device and its Specification
Temperature	<ul style="list-style-type: none">Digital Thermo MeterRange: 0 - 1300 [°C]Accuracy: $\pm 0.3\%$ + 1°C

8.0 Measurement of Particulate Matter (PM):

Envirotech Iso-kinetic Source Sampling Kit Model APM 620 was used to collect dust Sample Iso-kinetically as Per USEPA Method 5 with valid calibration report of Manometer, Orifice Meter, Dry Gas Meter, Sampling Nozzle, Vacuum gauge, Temp indicator, Pitot tube. Sample was collected in Glass Fiber Filter. Hot gas was dried using silica Gel and cooled less than 20° C before entering to metering Device (Dry Gas Meter). Initial & Final Weight of Filter Thimble was taken at site Laboratory by using Digital Balance.

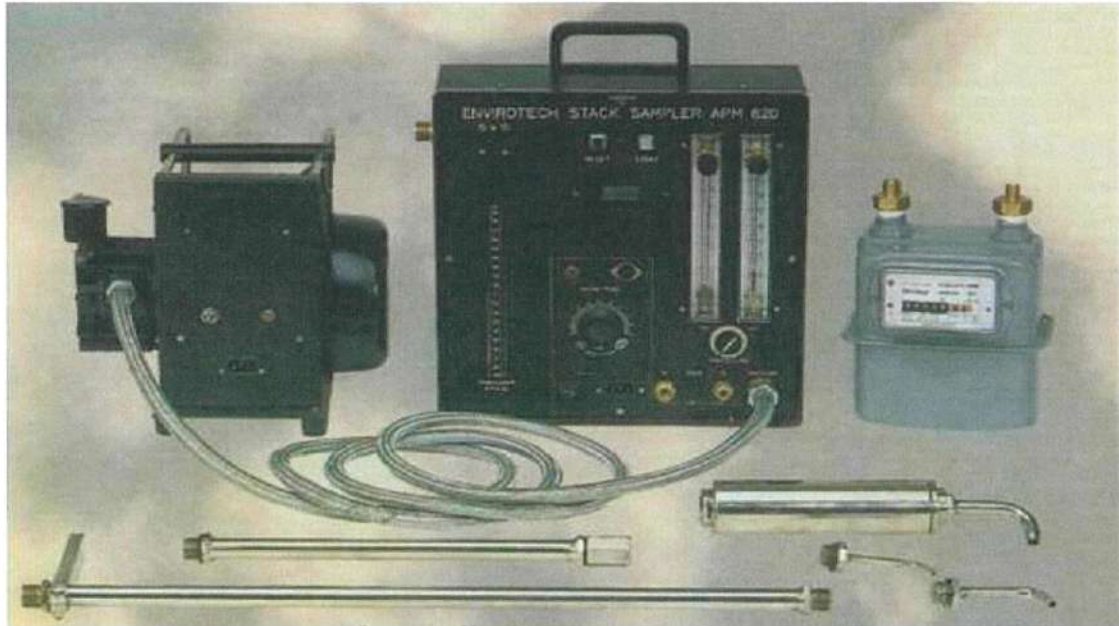


FIGURE-2

STACK EMISSION MONITORING KIT

9.0 QA /QC for Dust Measurement during sampling

The instruments used for measurement are duly calibrated as per applicable norms as mentioned in ISO/IEC: 17025.

Calibrated S-type Pitot tube, manometer, digital thermometer, Rota meter, dry gas meter & vacuum gauges were used.

For QA/QC Leak Check was done before & after sampling of each port hole at pressure of (-15) inch Hg & was found 100% leak Proof.

Iso-kinetic Percentage was in between 90-110 % at Each Port Hole & over all Iso-kinetic Percentage was also in the same range. Field Blank sample was taken care at site.

10.0 Results & Discussion:

Results obtained from APCD & Iso-kinetic sampling are summarized in Table-3 and Regression trend data are given in below.

TABLE-3
SUMMARY OF REGRESSION ANALYSIS

Sr. No	Stack Identity	PM (mg/nm3)	EFFENCICY
01	Cement Mill-1 Outlet	7.3	99.99
02	Cement Mill-1 Inlet	292000	
03	RABH kiln -1 Outlet	7.76	99.94
04	RABH ESP-1 Inlet	13900	
05	Cooler ESP Outlet	8.9	99.80
06	Cooler ESP Inlet	4500	
07	Coal Mill-1 Outlet	7.9	99.99
08	Coal Mill-1 Inlet	122333	

ISSUED TO:

M/S. J K Cement Works Panna,
A-Unit of J K Cement Ltd.
Village Harduwaken, Tehsil Amanganj,
Distt- Panna, MP-488441 India.

Report Number : VLL/VLS/24/04577/001
Issue Date : 2024.06.22
P.O. Number : 4600099519
P.O. Date : 05.01.2024

Page 1 of 1

Sample Registration Date : 2024.06.07
Analysis Starting Date : 2024.06.07
Samples collected by Vimta Labs Ltd.

Sampling Date : 2024.05.29
Analysis Completion Date : 2024.06.21

TEST REPORT

Plant Name & Address : J K Cement Works, Panna A-Unit of J K Cement Ltd.
Sampling Location : Cement Mill-1 (BAG HOUSE) OUTLET
Test protocol : IS:11255 Part-1, 2003, IS: Part-3, 2008, USEPA Method No. 3A, 6C & 10B
Stack Height : 54.0 m
Height of Sampling Point : 40.0 m
Stack Diameter at Test Location : 3.40 m

S.no	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/s)	Flow Rate (Nm ³ /S)	Particulate Matter (mg/Nm ³)
1	1 st	16:00	87	15.4	107.45	8.7
2	2 nd	16:50	89	15.0	104.08	6.7
3	3 rd	17:45	88	15.2	105.76	6.5

Name & Designation of Authorized Signatory

Lavanya Bende
Senior Environment

ISSUED TO:

M/S. J K Cement Works Panna,
A-Unit of J K Cement Ltd.
Village Harduwaken, Tehsil Amanganj,
Distt- Panna, MP-488441 India.

Report Number : VLL/VLS/24/04577/002
Issue Date : 2024.06.22
P.O. Number : 4600099519
P.O. Date : 05.01.2024

Page 1 of 1

Sample Registration Date : 2024.06.07	Sampling Date : 2024.05.29
Analysis Starting Date : 2024.06.07	Analysis Completion Date : 2024.06.21
Samples collected by Vimta Labs Ltd.	

TEST REPORT

Plant Name & Address : J K Cement Works, Panna A-Unit of J K Cement Ltd.
Sampling Location : Cement Mill-1 (BAG HOUSE) INLET
Test protocol : IS:11255 Part-1,2003, IS: Part-3, 2008, USEPA Method No. 3A, 6C & 10B
Stack Diameter at Test Location : 4.2 m

S.no	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/s)	Flow Rate (Nm³/S)	Particulate Matter (g/Nm³)
1	1 st	16:00	93	25.7	254.79	289
2	2 nd	16:50	95	27.4	270.16	268
3	3 rd	17:45	94	26.8	264.97	319

Name & Designation of Authorized Signatory


Lavanya Bende
Senior Environment

ISSUED TO:

M/S. J K Cement Works Panna,
A-Unit of J K Cement Ltd.
Village Harduwaken, Tehsil Amanganj,
Distt- Panna, MP-488441 India.

Report Number : VLL/VLS/24/04577/003
Issue Date : 2024.06.22
P.O. Number : 4600099519
P.O. Date : 05.01.2024

Page 1 of 1

Sample Registration Date : 2024.06.07
Analysis Starting Date : 2024.06.07
Sample Collected by Vimta Labs Ltd.

Sampling Date : 2024.05.30
Analysis Completion Date : 2024.06.21

TEST REPORT

Plant Name & Address : J K Cement Works, Panna A-Unit of J K Cement Ltd.
Sampling Location : RAW MILL KILN -1 STACK (RMBH OUTLET)
Test protocol : IS:11255 Part-1;2003, IS: Part-3, 2008, USEPA Method No. 3A, 6C & 10B
Stack Height : 183.0 m
Height of Sampling Point : 140.0 m
Stack Diameter at Test Location : 5.42 m

S.no	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/s)	Flow Rate (Nm ³ /S)	Particulate Matter (mg/Nm ³)
1	1 st	11:00	91	10.6	182.19	6.1
2	2 nd	11:55	93	11.0	188.03	8.0
3	3 rd	12:50	91	10.5	180.47	9.2

Name & Designation of Authorized Signatory


Lavanya Bende
Senior Environment



Performance Monitoring of APCD Report-Cement Division Unit-Panna

June-2024

ISSUED TO:

M/S. J K Cement Works Panna,
A-Unit of J K Cement Ltd.
Village Harduwaken, Tehsil Amanganj,
Distt- Panna, MP-488441 India.

Report Number : VLL/VLS/24/04577/004
Issue Date : 2024.06.22
P.O. Number : 4600099519
P.O. Date : 05.01.2024

Page 1 of 1

Sample Registration Date : 2024.06.07	Sampling Date : 2024.05.30
Analysis Starting Date : 2024.06.07	Analysis Completion Date : 2024.06.21
Sample Collected by Vimta Labs Ltd.	

TEST REPORT

Plant Name & Address	: J K Cement Works, Panna A-Unit of J K Cement Ltd.
Sampling Location	: RAW MILL KILN -1 STACK (RMBH INLET)
Test protocol	: IS:11255 Part-1,2003, IS: Part-3, 2008, USEPA Method No. 3A, 6C & 10B
Stack Diameter at Test Location	: 6.0 m

S.no	Test Id	Time (Hrs)	Temp. (°C)	O ₂ (%V/V)	CO ₂ (%V/V)	Velocity (m/s)	Flow Rate (Nm ³ /S)	Particulate Matter (gm/Nm ³)
1	1 st	11:00	161	3.19	32.12	8.9	153.81	13.70
2	2 nd	11:55	165	3.16	32.10	9.5	162.68	15.4
3	3 rd	12:50	166	3.10	31.07	9.6	164.02	12.6

Name & Designation of Authorized Signatory


Lavanya Bende
Senior Environment

ISSUED TO:

M/S. J K Cement Works Panna,
A-Unit of J K Cement Ltd.
Village Harduwaken, Tehsil Amanganj,
Distt- Panna, MP-488441 India.

Report Number : VLL/VLS/24/04577/005
Issue Date : 2024.06.22
P.O. Number : 4600099519
P.O. Date : 05.01.2024

Page 1 of 1

Sample Registration Date : 2024.06.07
Analysis Starting Date : 2024.06.07
Sample Collected by Vimta Labs Ltd.

Sampling Date : 2024.05.31
Analysis Completion Date : 2024.06.21

TEST REPORT

Plant Name & Address : J K Cement Works, Panna A-Unit of J K Cement Ltd.
Sampling Location : Cooler ESP-1 OUTLET
Test protocol : IS:11255 Part-1,2003, IS: Part-3, 2008, USEPA Method No. 3A, 6C & 10B
Stack Height : 72.0 m
Height of Sampling Point : 40.0 m
Stack Diameter at Test Location : 4.82 m

S.no	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/s)	Flow Rate (Nm ³ /S)	Particulate Matter (mg/Nm ³)
1	1 st	11:30	76	7.9	113.38	8.7
2	2 nd	12:20	77	8.2	117.35	9.1
3	3 rd	13:05	79	8.0	113.84	8.8

Name & Designation of Authorized Signatory


Lavanya Bende
Senior Environment

ISSUED TO:

M/S. J K Cement Works Panna,
A-Unit of J K Cement Ltd.
Village Harduwaken, Tehsil Amanganj,
Distt- Panna, MP-488441 India.

Report Number : VLL/VLS/24/04577/006
Issue Date : 2024.06.22
P.O. Number : 4600099519
P.O. Date : 05.01.2024

Page 1 of 1

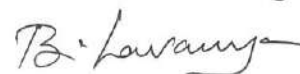
Sample Registration Date : 2024.06.07	Sampling Date : 2024.05.31
Analysis Starting Date : 2024.06.07	Analysis Completion Date : 2024.06.21
Sample Collected by Vimta Labs Ltd.	

TEST REPORT

Plant Name & Address	: J K Cement Works, Panna A-Unit of J K Cement Ltd.
Sampling Location	: Cooler ESP-1 INLET
Test protocol	: IS:11255 Part-1,2003, IS: Part-3, 2008, USEPA Method No. 3A, 6C & 10B
Stack Diameter at Test Location	: 5.0 m

S.no	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/s)	Flow Rate (Nm³/S)	Particulate Matter (gm/Nm³)
1	1 st	11:30	169	9.5	117.46	4.5
2	2 nd	12:20	171	9.9	121.86	3.9
3	3 rd	13:05	174	9.7	118.60	5.1

Name & Designation of Authorized Signatory



Lavanya Bende
Senior Environment

ISSUED TO:

M/S. J K Cement Works Panna,
A-Unit of J K Cement Ltd.
Village Harduwaken, Tehsil Amanganj,
Distt- Panna, MP-488441 India.

Report Number : VLL/VLS/24/04577/007
Issue Date : 2024.06.22
P.O. Number : 4600099519
P.O. Date : 05.01.2024

Page 1 of 1

Sample Registration Date : 2024.06.07
Analysis Starting Date : 2024.06.07
Sample Collected by Vimta Labs Ltd.

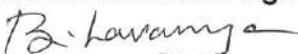
Sampling Date : 2024.06.01
Analysis Completion Date : 2024.06.21

TEST REPORT

Plant Name & Address : J K Cement Works, Panna A-Unit of J K Cement Ltd.
Sampling Location : Coal Mill-1 (BAG HOUSE) OUTLET
Test protocol : IS:11255 Part-1, 2003, IS: Part-3, 2008, USEPA Method No. 3A, 6C & 10B
Stack Height : 78.0 m
Height of Sampling Point : 40.0 m
Stack Diameter at Test Location : 2.3 m

S.no	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/s)	Flow Rate (Nm³/S)	Particulate Matter (mg/Nm³)
1	1 st	14:10	73	18.1	55.18	8.5
2	2 nd	15:00	72	17.8	54.43	7.2
3	3 rd	15:50	74	18.0	54.72	8.0

Name & Designation of Authorized Signatory


Lavanya Bende
Senior Environment

ISSUED TO:

M/S. J K Cement Works Panna,
A-Unit of J K Cement Ltd.
Village Harduaken, Tehsil Amanganj,
Distt- Panna, MP-488441 India.

Report Number : VLL/VLS/24/04577/008
Issue Date : 2024.06.22
P.O. Number : 4600099519
P.O. Date : 05.01.2024

Page 1 of 1

Sample Registration Date : 2024.06.07	Sampling Date : 2024.06.01
Analysis Starting Date : 2024.06.07	Analysis Completion Date : 2024.06.21
Sample Collected by Vimta Labs Ltd.	

TEST REPORT

Plant Name & Address	: J K Cement Works, Panna A-Unit of J K Cement Ltd.
Sampling Location	: Coal Mill-1 (BAG HOUSE)- INLET
Test protocol	: IS:11255 Part-1,2003, IS: Part-3, 2008, USEPA Method No. 3A, 6C & 10B
Stack Diameter at Test Location	: 2.2 m

S.no	Test Id	Time (Hrs)	Temp. (°C)	Velocity (m/s)	Flow Rate (Nm³/S)	Particulate Matter (gm/Nm³)
1	1 st	14:10	77	24.3	64.07	116.1
2	2 nd	15:00	79	25.0	65.54	127.2
3	3 rd	15:50	78	24.7	64.94	123.7

Name & Designation of Authorized Signatory


Lavanya Bende
Senior Environment



Performance Monitoring of APCD Report-Cement Division Unit-Panna

June-2024

ISSUED TO:

M/S. J K Cement Works Panna,
A-Unit of J K Cement Ltd.
Village Harduwaken, Tehsil Amanganj,
Distt- Panna, MP-488441 India.

Report Number : VLL/VLS/24/04577/009
Issue Date : 2024.06.22
P.O. Number : 4600099519
P.O. Date : 05.01.2024

Page 1 of 1

Sample Registration Date : 2024.06.07	Sampling Date : 2024.06.01
Analysis Starting Date : 2024.06.07	Analysis Completion Date : 2024.06.21
Sample Collected by Vimta Labs Ltd.	

TEST REPORT

Plant Name & Address	: J K Cement Works, Panna A-Unit of J K Cement Ltd.
Sampling Location	: Efficiency Details
Test protocol	: IS:11255 Part-1,2003, IS: Part-3, 2008, USEPA Method No. 3A, 6C & 10B
Stack Diameter at Test Location	: 2.2 m

Sr.no	Test Location	Date & Time (Hrs)	APC Device	Efficiency (%)
1	Cement Mill Stack	29.05.2024 16:00- 18:30 hrs	BAG HOUSE	99.99
2	RABH Klin Stack	30.05.2024 11:00 to 14:00 hrs	BAG HOUSE	99.94
3	Cooler ESP stack	31.05.2024 11:30 hrs to 14:30 hrs	ESP	99.80
4	Coal Mill Stack	01.06.2024 14:10 hrs to 16:30 hrs	BAG FILTER	99.99

Name & Designation of Authorized Signatory


Lavanya Bende
Senior Environment

Annexure-2

Calibration Certificate

**CALIBRATION FACTOR OF ONLINE CONTINUOUS EMISSION
MONITORING SYSTEM AND DUST CERTIFICATES
FOR**

M/s JK Cement Works, Panna.

Village- Harduwaken Tehsil-Amanganj,
Panna, Madhya Pradesh (India)

SUBMITTED TO

M/s JK Cement Works, Panna.
Village- Harduwaken,
Tehsil-Amanganj, Dist :- Panna
PIN:- 488441

SUBMITTED BY

Vibrant Techno Lab Pvt. Ltd.
Jaipur

ACKNOWLEDGEMENT

We are thankful to JK Cement Works, Panna for providing an opportunity to Vibrant Techno Lab. to carry out Online Continuous Emission Monitoring System Calibration at their Cement Mill Stack ,Coal Mill, Raw Mill Kiln & Cooler ESP Stack .which shall guide them towards executing and implementing better environment management plan. We are thankful to the dedicated team who carried out the monitoring with the utmost sincerity and diligence. It is because of their honest effort; we could bring out this resourceful report.


**For Vibrant Techno Lab
Jaipur**



Date: 26/04/2025

1 .PM-CEMS COMPARISON DATA AGAINST ISO-KINETIC SAMPLING OF Coal Mill

Unit: JK Cement Works, Panna (OCEMS CALIBRATION April 2025)														
Coal Mill														
S. No.	Date	Time	Ambient Temp. (°C)	Flue Gas Temp. (°C)	Average Velocity (m/sec.)	Iso-kinetic Sampling Rate (LPM)	Iso-kinetic - PM (mg/Nm ³)	Avg. CEMS PM (mg/Nm ³)	% Error	Absolute % Error	Average Deviation in Comparison to SRM Value in %	m	c	r ²
1	11-04-2025	30(14:30 - 15:00)	41	76	9.21	34	4.06	3.69	0.37	9.11	8.91	0.9107	0.0004	1.0
2	11-04-2025	30(15:15- 15:45)	40	95	21.33	33	3.74	3.41	0.33	8.82				
3	11-04-2025	30(16:00- 16:30)	38	94	21.58	33	3.98	3.63	0.35	8.79				

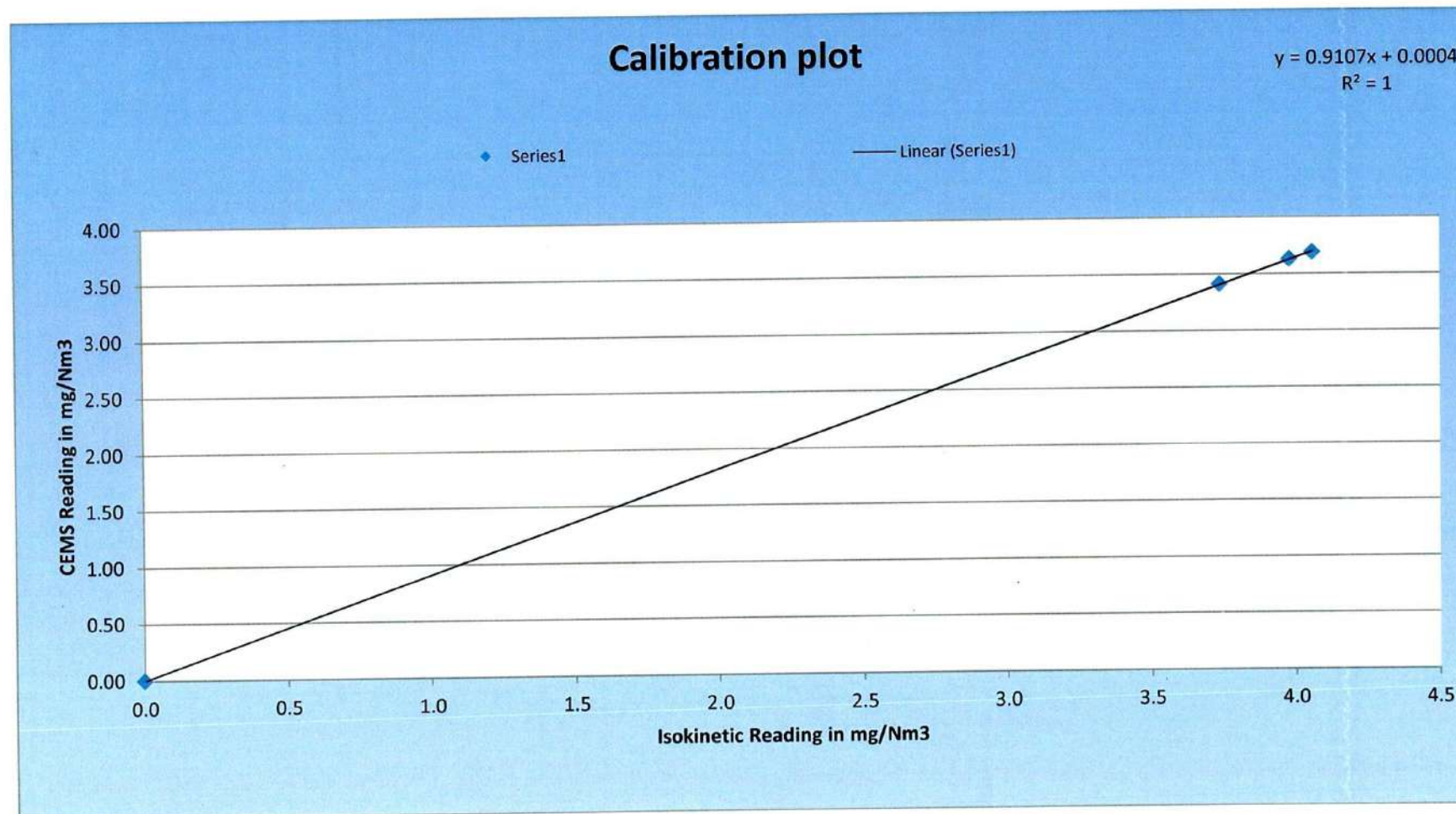
2. Dust factor For Coal Mill :-

Date of Monitoring 11/04/2025

CORRECTION FACTOR FOR OCEMS DUST FACTOR: -

In order to output particulate data as dust concentration in mg/Nm³, a Correction Factor must be determined, for each installation, such that

Sample No	Iso-kinetic sampling result in(mg/Nm ³)	PM-CEMS Reading in (mg/Nm ³)
1	4.06	3.69
2	3.74	3.41
3	3.98	3.63



DUST FACTOR CORRECTION FOR OCEMS: - 1.0



R.K. Yadav
Lab Incharge
Authorized Signatory
Vibrant Techno Lab Pvt. Ltd.

2 .PM-CEMS COMPARISON DATA AGAINST ISO-KINETIC SAMPLING OF Raw Mill Killn

Unit: JK Cement Works, Panna (OCEMS CALIBRATION April 2025)														
Raw Mill kiln														
S. No.	Date	Time	Ambient Temp. (°C)	Flue Gas Temp. (°C)	Average Velocity (m/sec.)	Iso-kinetic Sampling Rate (LPM)	Iso-kinetic - PM (mg/Nm ³)	Avg. CEMS PM (mg/Nm ³)	% Error	Absolute % Error	Average Deviation in Comparison to SRM Value in %	m	c	r ²
1	12-04-2025	30(15:00 - 15:30)	38	94	9.46	33	12.21	13.13	-0.92	-7.53	1.87	0.9707	0.0811	0.9824
2	12-04-2025	30(15:45- 16:15)	38	95	9.52	33	13.22	12.27	0.95	7.19				
3	12-04-2025	30(16:30- 17:00)	36	94	9.63	33	12.93	12.16	0.77	5.96				

2. Dust factor For Raw Mill kiln :-

Date of Monitoring 12/04/2025

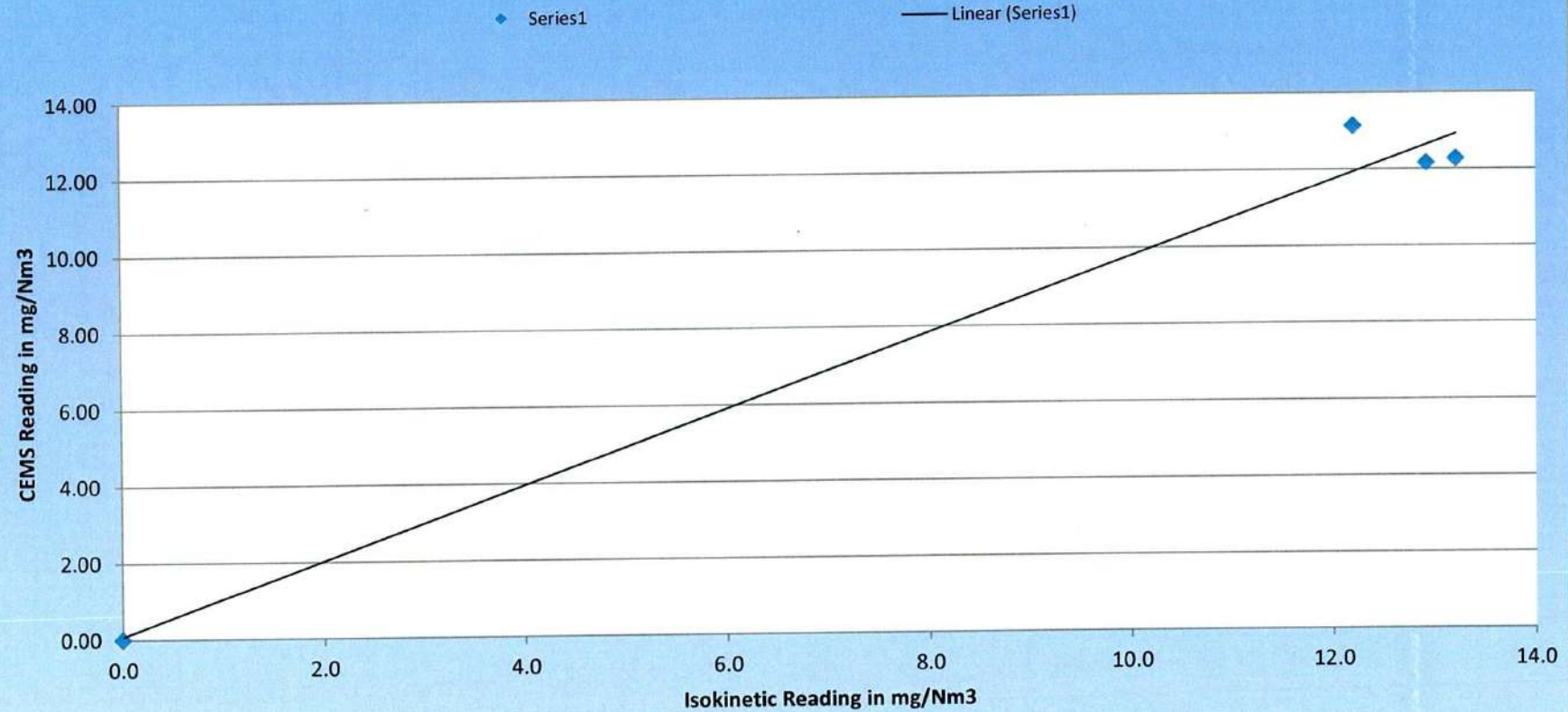
CORRECTION FACTOR FOR OCEMS DUST FACTOR: -

In order to output particulate data as dust concentration in mg/Nm³, a Correction Factor must be determined, for each installation, such that

Sample No	Iso-kinetic sampling result in(mg/Nm ³)	PM-CEMS Reading in (mg/Nm ³)
1	12.21	13.13
2	13.22	12.27
3	12.93	12.16

Calibration plot

$$y = 0.9707x + 0.0811$$
$$R^2 = 0.9824$$



DUST FACTOR CORRECTION FOR OCEMS: - 1.02

RK Yadav
Lab Incharge
Authorized Signatory
Vibrant Techno Lab Pvt. Ltd.



3 .PM-CEMS COMPARISON DATA AGAINST ISO-KINETIC SAMPLING OF CEMENT Mill

Unit: JK Cement Works, Panna (OCEMS CALIBRATION April 2025)														
Cement Mill														
S. No.	Date	Time	Ambient Temp. (°C)	Flue Gas Temp. (°C)	Average Velocity (m/sec.)	Iso-kinetic Sampling Rate (LPM)	Iso-kinetic - PM (mg/Nm ³)	Avg. CEMS PM (mg/Nm ³)	% Error	Absolute % Error	Average Deviation in Comparison to SRM Value in %	m	c	r ²
1	18-04-2025	45(9:30 - 10:15)	34	83	6.22	23	7.09	6.5	0.59	8.32	7.32	0.9262	0.0024	0.9994
2	18-04-2025	45 (10:30- 11:15)	37	84	6.16	22	7.21	6.64	0.57	7.91				
3	18-04-2025	30(11:30- 12:00)	41	84	9.2	33	6.98	6.58	0.4	5.73				

3. Dust factor For Cement Mill :-

Date of Monitoring 18/04/2025

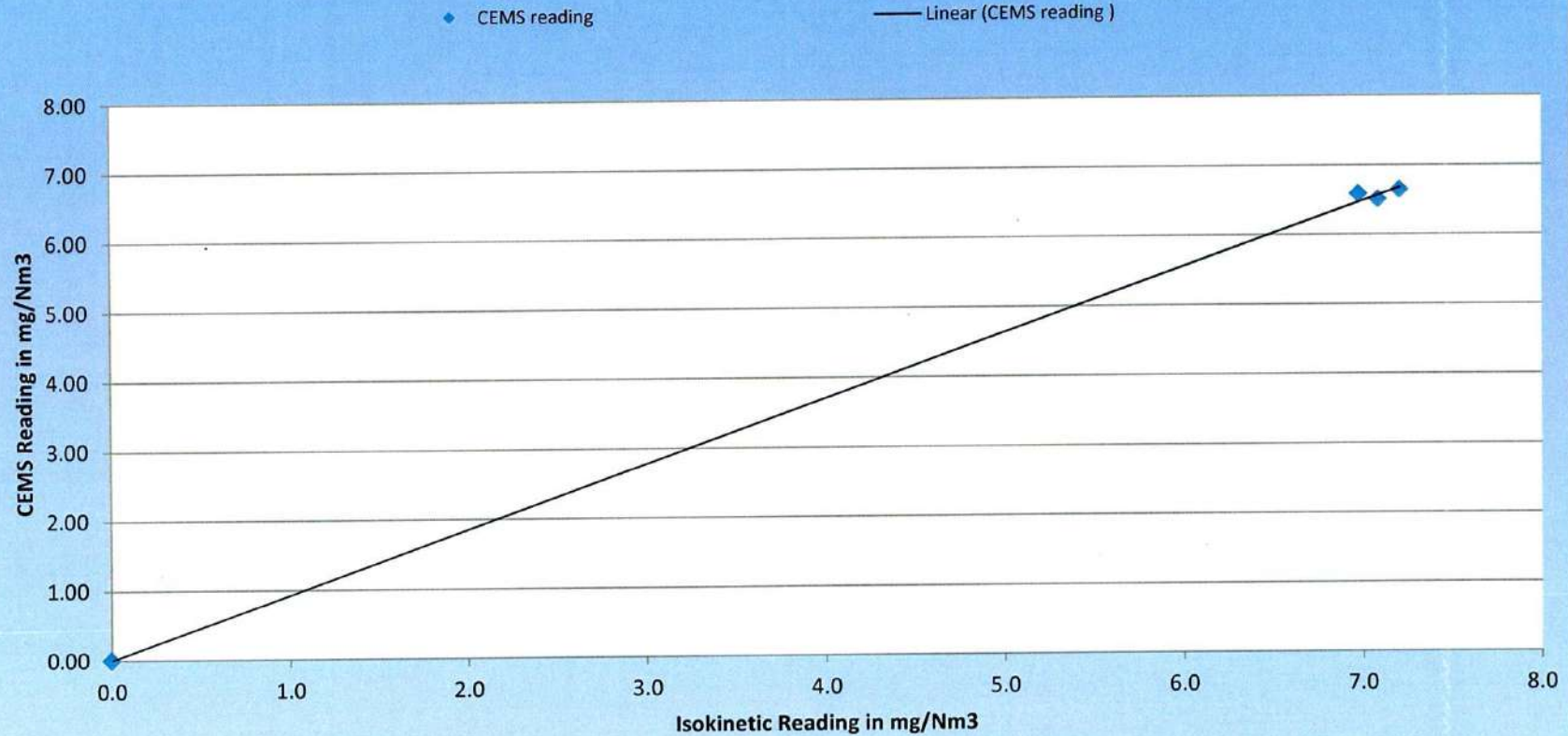
CORRECTION FACTOR FOR OCEMS DUST FACTOR: -

In order to output particulate data as dust concentration in mg/Nm³, a Correction Factor must be determined, for each installation, such that

Sample No	Iso-kinetic sampling result in(mg/Nm ³)	PM-CEMS Reading in (mg/Nm ³)
1	7.09	6.5
2	7.21	6.64
3	6.98	6.58

Calibration plot

$$y = 0.9262x + 0.0024$$
$$R^2 = 0.9994$$



DUST FACTOR CORRECTION FOR OCEMS: - 1.00



RK Yadav
Lab Incharge
Authorized Signatory
Vibrant Techno Lab Pvt. Ltd.

4 .PM-CEMS COMPARISON DATA AGAINST ISO-KINETIC SAMPLING OF Cooler ESP

Unit: JK Cement Works, Panna (OCEMS CALIBRATION April 2025)														
Cooler ESP														
S. No.	Date	Time	Ambient Temp. (°C)	Flue Gas Temp. (°C)	Average Velocity (m/sec.)	Iso-kinetic Sampling Rate (LPM)	Iso-kinetic - PM (mg/Nm ³)	Avg. CEMS PM (mg/Nm ³)	% Error	Absolute % Error	Average Deviation in Comparison to SRM Value in %	m	c	r ²
1	18-04-2025	45(14:00 - 14:45)	41	39	5.46	22	4.36	4.01	0.35	8.03	7.83	0.9195	0.006	0.9995
2	18-04-2025	30 (15:15- 15:45)	39	39	8.27	34	4.81	4.38	0.43	8.94				
3	18-04-2025	45(16:00- 16:45)	38	39	5.44	22	4.29	4.01	0.28	6.53				

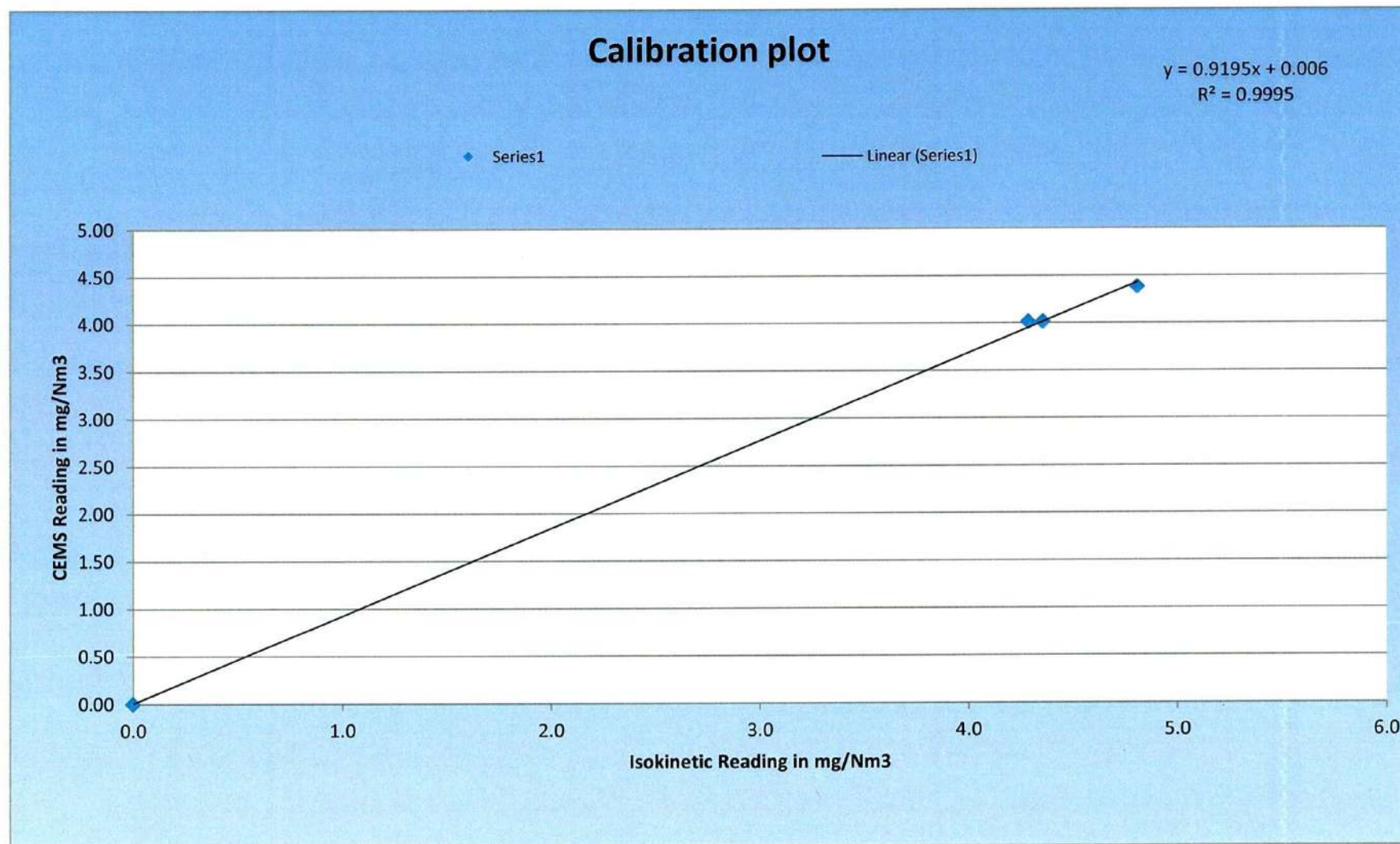
4. Dust factor For Cooler ESP :-

Date of Monitoring 18/04/2025

CORRECTION FACTOR FOR OCEMS DUST FACTOR: -

In order to output particulate data as dust concentration in mg/Nm³, a Correction Factor must be determined, for each installation, such that

Sample No	Iso-kinetic sampling result in(mg/Nm ³)	PM-CEMS Reading in (mg/Nm ³)
1	4.36	4.01
2	4.81	4.38
3	4.29	4.01



DUST FACTOR CORRECTION FOR OCEMS: - 1.00



RK Yadav
Lab Incharge
Authorized Signatory
Vibrant Techno Lab Pvt. Ltd.

Sample Number: VTL/S/01
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190001
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025
Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 11/04/2025
Time of Sampling : 14:30 to 15:00 Hrs.
Location : Coal Mill
Sampling duration (Minutes) : 30 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 2.30 m
Stack Height : 78 m
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 41
Temperature of Stack Gases - Ts (°C) : 76
Velocity of Stack Gases (m/sec.) : 9.21
Flow rate of PM (LPM) : 34
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 114491.05 Nm³/hr
Other Details : Bag House

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm ³	4.06	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm ³	3.69	--
3	% of Deviation	By Calculation	%	9.11	10

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognized, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number: VTL/S/01
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190002
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025
Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 11/04/2025
Time of Sampling : 15:15 to 15:45 Hrs.
Location : Coal Mill
Sampling duration (Minutes) : 30 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 2.30 m
Stack Height : 78 m
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 40
Temperature of Stack Gases - Ts (°C) : 95
Velocity of Stack Gases (m/sec.) : 21.33
Flow rate of PM (LPM) : 33
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 251417.19 Nm³/hr
Other Details : Bag House

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm ³	3.74	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm ³	3.41	--
3	% of Deviation	By Calculation	%	8.82	10

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified

EPA 1986 Recognized, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020

9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number: VTL/S/01
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190003
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 11/04/2025
Time of Sampling : 16:00 to 16:30 Hrs.
Location : Coal Mill
Sampling duration (Minutes) : 30 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 2.30 m
Stack Height : 78 m
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 38
Temperature of Stack Gases - Ts (°C) : 94
Velocity of Stack Gases (m/sec.) : 21.58
Flow rate of PM (LPM) : 33
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 254927.75 Nm3/hr
Other Details : Bag House

Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm3	3.98	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm3	3.63	--
3	% of Deviation	By Calculation	%	8.79	10

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognized, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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0141-2954638

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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number:

Name & Address of Party:

VTL/S/02

M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.:

VTL/S/2504190004

Format No.:

7.8 F-03

Party Reference No.:

NIL

Report Date:

26/04/2025

Period of Analysis:

19-26/04/2025

Receipt Date

19/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 12/04/2025
Time of Sampling : 15:00 PM to 15:30 PM
Location : Raw Mill Kiln
Sampling duration (Minutes) : 30 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 5.42 m
Stack Height : 183 m
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 38
Temperature of Stack Gases - Ts (°C) : 94
Velocity of Stack Gases (m/sec.) : 9.46
Flow rate of PM (LPM) : 33
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 621053.45 Nm³/hr
Other Details : Bag House

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm ³	12.21	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm ³	13.13	--
3	% of Deviation	By Calculation	%	-7.50	10

Checked By



RK Yadav
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Authorized Signatory

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0141-2954638

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Sample Number:
Name & Address of Party:

VTL/S/02
M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190005
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 12/04/2025
Time of Sampling : 15:45 PM to 16:15 PM
Location : Raw Mill Kiln
Sampling duration (Minutes) : 30 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 5.42 m
Stack Height : 183 m
Instrument calibration status : Calibrated
Ambient Temperature – Ta (°C) : 38
Temperature of Stack Gases - Ts (°C) : 95
Velocity of Stack Gases (m/sec.) : 9.52
Flow rate of PM (LPM) : 33
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 623344.08 Nm³/hr
Other Details : Bag House

Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm ³	13.22	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm ³	12.27	--
3	% of Deviation	By Calculation	%	7.19	10

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0141-2954638

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Sample Number: VTL/S/02
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190006
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025

Sample Description :

Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

Sample Collected : VTL Team
Date of Sampling : 12/04/2025
Time of Sampling : 16:30 PM to 17:00 PM
Location : Raw Mill Kiln
Sampling duration (Minutes) : 30 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 5.42 m
Stack Height : 183 m
Instrument calibration status : Calibrated
Ambient Temperature – Ta (°C) : 36
Temperature of Stack Gases - Ts (°C) : 94
Velocity of Stack Gases (m/sec.) : 9.63
Flow rate of PM (LPM) : 33
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 631972.77 Nm³/hr
Other Details : Bag House

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm ³	12.93	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm ³	12.16	--
3	% of Deviation	By Calculation	%	5.96	10

Checked By



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Sample Number: VTL/S/03
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190007
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 18/04/2025
Time of Sampling : 09:30 to 10:15 Hrs.
Location : Cement Mill
Sampling duration (Minutes) : 45 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 3.40 m
Stack Height : 54 m
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 34
Temperature of Stack Gases - Ts (°C) : 83
Velocity of Stack Gases (m/sec.) : 6.22
Flow rate of PM (LPM) : 23
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 165705.68 Nm³/hr
Other Details : Bag House

Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm ³	7.09	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm ³	6.50	--
3	% of Deviation	By Calculation	%	8.32	10

Checked By



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**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number: VTL/S/03
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190008
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025
Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 18/04/2025
Time of Sampling : 10:30 to 11:15 Hrs.
Location : Cement Mill
Sampling duration (Minutes) : 45 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 3.40 m
Stack Height : 54 m
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 37
Temperature of Stack Gases - Ts (°C) : 84
Velocity of Stack Gases (m/sec.) : 6.16
Flow rate of PM (LPM) : 22
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 163582.25 Nm³/hr
Other Details : Bag House

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm ³	7.21	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm ³	6.64	--
3	% of Deviation	By Calculation	%	7.91	10

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Sample Number: VTL/S/03
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190009
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025
Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 18/04/2025
Time of Sampling : 11:30 to 12:00 Hrs.
Location : Cement Mill
Sampling duration (Minutes) : 30 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 3.40 m
Stack Height : 54 m
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 41
Temperature of Stack Gases - Ts (°C) : 84
Velocity of Stack Gases (m/sec.) : 9.20
Flow rate of PM (LPM) : 33
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 244208.20 Nm³/hr
Other Details : Bag House

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm ³	6.98	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm ³	6.58	--
3	% of Deviation	By Calculation	%	5.73	10

Checked By



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Sample Number: VTL/S/04
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190010
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 18/04/2025
Time of Sampling : 14:00 PM to 14:45 PM.
Location : Cooler ESP
Sampling duration (Minutes) : 45 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 4.82 m
Stack Height : 72 m
Instrument calibration status : Calibrated
Ambient Temperature – Ta (°C) : 41
Temperature of Stack Gases - Ts (°C) : 39
Velocity of Stack Gases (m/sec.) : 5.46
Flow rate of PM (LPM) : 22
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 333475.06 Nm3/hr
Other Details : ESP

Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm3	4.36	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm3	4.81	--
3	% of Deviation	By Calculation	%	8.03	10

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Sample Number: VTL/S/04
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190011
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025

Sample Description :

Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

Sample Collected : VTL Team
Date of Sampling : 18/04/2025
Time of Sampling : 15:15 PM to 15:45 PM.
Location : Cooler ESP
Sampling duration (Minutes) : 30 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 4.82 m
Stack Height : 72 m
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 39
Temperature of Stack Gases - Ts (°C) : 39
Velocity of Stack Gases (m/sec.) : 8.27
Flow rate of PM (LPM) : 34
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 504981.17 Nm3/hr
Other Details : ESP

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm3	4.81	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm3	4.38	--
3	% of Deviation	By Calculation	%	8.94	10

Checked By



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bd@vibranttechnolab.com
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Sample Number: VTL/S/04
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/S/2504190012
Format No.: 7.8 F-03
Party Reference No.: NIL
Report Date: 26/04/2025

Sample Description :

Sample Collected : VTL Team
Date of Sampling : 18/04/2025
Time of Sampling : 16:00 PM to 16:45 PM.
Location : Cooler ESP
Sampling duration (Minutes) : 45 Min.
Meteorological Condition : Clear Sky
Make Of Stack : MS
Stack Diameter : 4.82 m
Stack Height : 72 m
Instrument calibration status : Calibrated
Ambient Temperature - Ta (°C) : 38
Temperature of Stack Gases - Ts (°C) : 39
Velocity of Stack Gases (m/sec.) : 5.44
Flow rate of PM (LPM) : 22
Sampling condition : Isokinetic
Method of Sampling : IS-11255 & EPA
Gases Flow : 332034.56 Nm³/hr
Other Details : ESP

Period of Analysis: 19-26/04/2025
Receipt Date: 19/04/2025

RESULTS

S. No.	Parameter	Protocol	Units	Results	Limits
1.	Particulate Matter (PM)	IS: 11255 (P-1) : 1985, RA 2019	mg/Nm ³	4.29	--
2.	Particulate Matter (CEMS)	By CEMS	mg/Nm ³	4.01	--
3	% of Deviation	By Calculation	%	6.53	10

Checked By



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Lab Incharge
Authorized Signatory

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Vibrant Techno Lab Pvt. Ltd.

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Annexure-3

Fugitive Emission Monitoring Report



JK Cement Works, Panna
(Formerly known as Jaykaycem (Central) Ltd. now amalgamated)
A Unit of JK Cement Ltd.
CIN: L17229UP1994PLC017199
Village - Harduwaken, Tehsil - Amanganj
District - Panna, State - Madhya Pradesh, India - 488 441
9329141591 jkc.panna@jkcement.com
www.jkcement.com

Ref: JKCEMENT/ENV/EMR/2024-25/20B/71

Date: 19.12.2024

To,
The Regional Director
Regional Office (WZ) MoEF & CC, E-5,
Kendriya Paryavaran Bhawan,
E-5 Arera Colony, Link Road-3,
Ravishankar Nagar, Bhopal-462016 (M.P.)

Subject: Submission of Fugitive Emission Monitoring for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (M.P.) for the month of November 2024.

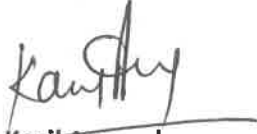
Reference No.: EC – File No. – IA-J-11011/224/2016-IA-II(I) dated – 02.03.2022

Dear Sir,

With reference to the aforesaid subject & referred EC no., please find herewith enclosed Fugitive Emission Monitoring Reports for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (M.P.) for the month of November 2024.

This is for your kind information & record, please.
Thanking You

Yours faithfully,
For J K Cement Limited, Panna


Kapil Agrawal
(Unit Head)

Encl: As above

Corporate Office

Prism Tower, Ground Floor, Ninaniya Estate,
Gwal Pahari, Gurugram, Haryana - 122102, India
+0124-6919000
admin.prismt@jkcement.com
www.jkcement.com
CIN: L17229UP1994PLC017199

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Hamirpur (U.P.) | Balasinor (Gujarat) | Fujairah

Registered Office : Kamla Tower, Kanpur-208001, U.P., India. +91-512-2371478 to 85 91-512-2399854 www.jkcement.com



Sample Number: VTL/FD/01
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170001
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date 17/11/2024

Results

General Information:-

Sampling Location : Gypsum Yard Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 09/11/2024
Time of Sampling : 07:00 to 15:00 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	480.0	µg/m3	5000

-----End of the Report-----

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Pages 1 of 1

Sample Number: VTL/FD/02
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170002
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Results

General Information:-

Sampling Location : Packing Plant Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 09/11/2024
Time of Sampling : 07:30 to 15:30 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	436.0	µg/m3	5000

-----End of the Report-----

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Authorized Signatory

Pages 1 of 1

**VIBRANT***"Experience the unimaginable"***TEST REPORT**

Sample Number: VTL/FD/03
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170003
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date 17/11/2024

Results**General Information:-**

Sampling Location : Raw Mill Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 09-10/11/2024
Time of Sampling : 16:30 to 00:30 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	516.0	µg/m3	5000

-----End of the Report-----

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Checked By



RK Yadav
Lab Incharge
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Pages 1 of 1

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bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number: VTL/FD/04
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170004
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Results

General Information:-

Sampling Location : Coal Mill Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 09-10/11/2024
Time of Sampling : 17:00 to 01:00 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	540.0	µg/m3	2000

-----End of the Report-----

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Pages 1 of 1

Sample Number: VTL/FD/05
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170005
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Results

General Information:-

Sampling Location : Cement Mill Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 10/11/2024
Time of Sampling : 03:30 to 11:30 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	458.0	µg/m3	5000

-----End of the Report-----

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Pages 1 of 1

Sample Number: VTL/FD/06
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170006
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date 17/11/2024

Results

General Information:-

Sampling Location : Clinker Silo Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 10/11/2024
Time of Sampling : 04:30 to 12:30 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	510.0	µg/m3	5000

-----End of the Report-----

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Pages 1 of 1

Sample Number: VTL/FD/07
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170007
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date 17/11/2024

Results

General Information:-

Sampling Location : Coal shed Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 11/11/2024
Time of Sampling : 08:30 to 16:30 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	710.0	µg/m3	2000

-----End of the Report-----

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Pages 1 of 1

Sample Number: VTL/FD/08
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2411170008
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 25/11/2024
Period of Analysis: 17-25/11/2024
Receipt Date: 17/11/2024

Results

General Information:-

Sampling Location : Lime Stone Shed Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 11/11/2024
Time of Sampling : 09:30 to 17:30 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 8 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	536.0	µg/m ³	5000

-----End of the Report-----

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Lab Incharge
Authorized Signatory

Pages 1 of 1



JK Cement Works, Panna
(Formerly known as Jaykaycem (Central) Ltd. now amalgamated)
A Unit of JK Cement Ltd.
CIN: L17229UP1994PLC017199
Village - Harduaken, Tehsil - Amanganj
District - Panna, State - Madhya Pradesh, India - 488 441
9329141591 jkc.panna@jkcement.com
www.jkcement.com

Ref: JKCEMENT/ENV/EMR/2024-25/20B/84

Date: 10.03.2024

To,
The Regional Director
Regional Office (WZ) MoEF & CC, E-5,
Kendriya Paryavaran Bhawan,
E-5 Arera Colony, Link Road-3,
Ravishankar Nagar, Bhopal-462016 (M.P.)

Subject: Submission of Fugitive Emission Monitoring for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (M.P.) for the month of **February 2025**.

Reference No.: EC – File No.– IA-J-11011/224/2016-IA-II(I) dated – 02.03.2022

Dear Sir,

With reference to the aforesaid subject & referred EC no., please find herewith enclosed Fugitive Emission Monitoring Reports for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (M.P.) for the month of **February 2025**.

This is for your kind information & record, please.

Thanking You

Yours faithfully,
For J K Cement Limited, Panna


Kapil Agrawal
(Unit Head)

Encl: As above



Corporate Office

Prism Tower, Ground Floor, Ninaniya Estate,
Gwal Pahari, Gurugram, Haryana - 122102, India
+0124-6919000
admin.prism@jkcement.com
www.jkcement.com
CIN: L17229UP1994PLC017199

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Hamirpur (U.P.) | Balasinor (Gujarat) | Fujairah

Registered Office : Kamla Tower, Kanpur-208001, U.P., India. +91-512-2371478 to 85 91-512-2399854 www.jkcement.com

Sample Number: VTL/FD/01
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010001
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location : Gypsum Yard Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 22/02/2025
Time of Sampling : 08:30 to 12:30 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	580.0	µg/m3	5000

-----End of the Report-----

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Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Pages 1 of 1

Sample Number: VTL/FD/02
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010002
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location : Packing Plant Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 22/02/2025
Time of Sampling : 13:30 to 17:30 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	710.0	µg/m ³	5000

-----End of the Report-----

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Lab Incharge
Authorized Signatory

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Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

bd@vibranttechnolab.com

www.vibranttechnolab.com

Sample Number: VTL/FD/03
Name & Address of the Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010003
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date: 01/03/2025

Results

General Information:-

Sampling Location : Raw Mill Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 24/02/2025
Time of Sampling : 09:30 to 13:30 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

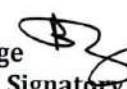
S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	588.0	µg/m ³	5000

-----End of the Report-----

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Lab Incharge
Authorized Signatory 

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Sample Number:	VTL/FD/04	Report No.:	VTL/FD/2503010004
Name & Address of the Party	M/s JK Cement Works, Panna (A Unit Of JK Cement Ltd.) Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna	Format No.:	7.8 F 02
		Party Reference No.:	NIL
Sample Description :	Fugitive Emission Monitoring	Report Date:	05/03/2025
		Period of Analysis:	01-05/03/2025
		Receipt Date	01/03/2025

Results

General Information:-

Sampling Location	: Coal Mill Area
Sample collected by	: VTL Team
Sampling Equipment used	: HVS
Instrument Code	: VTL/HVS/02
Latitude	: --
Longitude	: --
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 24/02/2025
Time of Sampling	: 14:30 to 18:30 Hrs.
Ambient Temperature (°C)	: Min. 16°C, Max. 31°C
Surrounding Activity	: Human, Vehicular & Plant Activities
Method of Sampling	: IS-5182 & CPCB Guidelines
Sampling Duration	: 8 hrs.
Parameter Required	: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	620.0	µg/m ³	2000

-----End of the Report-----

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Sample Number: VTL/FD/05
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010005
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location : Cement Mill Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 25/02/2025
Time of Sampling : 09:15 to 13:15 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order


S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	716.0	µg/m3	5000

-----End of the Report-----

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0141-2954638

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Sample Number: VTL/FD/06
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010006
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location	: Clinker Silo Area
Sample collected by	: VTL Team
Sampling Equipment used	: HVS
Instrument Code	: VTL/HVS/02
Latitude	: --
Longitude	: --
Meteorological condition during monitoring	: Clear sky
Date of Sampling	: 25/02/2025
Time of Sampling	: 14:30 to 18:30 Hrs.
Ambient Temperature (°C)	: Min. 16°C, Max. 31°C
Surrounding Activity	: Human, Vehicular & Plant Activities
Method of Sampling	: IS-5182 & CPCB Guidelines
Sampling Duration	: 4 hrs.
Parameter Required	: As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	590.0	µg/m3	5000

-----End of the Report-----

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Sample Number: VTL/FD/07
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010007
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location : Coal shed Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/01
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 26/02/2025
Time of Sampling : 10:00 to 14:00 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	840.0	µg/m3	2000

-----End of the Report-----

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Checked By 



RK Yadav
Lab Incharge
Authorized Signatory 

Pages 1 of 1

Sample Number: VTL/FD/08
Name & Address of the Party M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Report No.: VTL/FD/2503010008
Format No.: 7.8 F 02
Party Reference No.: NIL

Sample Description : Fugitive Emission Monitoring

Report Date: 05/03/2025
Period of Analysis: 01-05/03/2025
Receipt Date 01/03/2025

Results

General Information:-

Sampling Location : Lime Stone Shed Area
Sample collected by : VTL Team
Sampling Equipment used : HVS
Instrument Code : VTL/HVS/02
Latitude : --
Longitude : --
Meteorological condition during monitoring : Clear sky
Date of Sampling : 26/02/2025
Time of Sampling : 15:00 to 19:00 Hrs.
Ambient Temperature (°C) : Min. 16°C, Max. 31°C
Surrounding Activity : Human, Vehicular & Plant Activities
Method of Sampling : IS-5182 & CPCB Guidelines
Sampling Duration : 4 hrs.
Parameter Required : As Per Work Order

S. No.	Parameter	Protocol	Result	Unit	Limit
1.	Suspended Particulate Matter (SPM)	VTL/STP/02/STP/01	650.0	µg/m3	5000

-----End of the Report-----

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Lab Incharge
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Vibrant Techno Lab Pvt. Ltd.

SC-40, 3rd Floor, Narayan Vihar S, Ajmer Road, Jaipur Raj. 302020
9929108691, 9810205356, 8005707098, 9549956601

0141-2954638

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Annexure-4

Ground Water Quality Test Report



JK Cement Works, Panna
(Formerly known as Jaykaycem (Central) Ltd. now amalgamated)
A Unit of JK Cement Ltd.
CIN: L17229UP1994PLC017199
Village - Harduaken, Tehsil - Amanganj
District - Panna, State - Madhya Pradesh, India - 488 441
9329141591 jkc.panna@jkcement.com
www.jkcement.com

Ref: JKCEMENT/ENV/EMR/2024-25/208/72

Date: 19.12.2024

To,
The Director
Impact Assessment Division (IA Division)
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road,
New Delhi-110003 INDIA.

Subject: Submission of Ground Water Quality Analysis Reports of J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) for the month of **November-2024**.

Reference No.: 1. EC File No. - IA-J-11011/224/2016-IA-II(I) dated - 02.03.2022.
2. CGWA NOC No. - CGWA/NOC/IND/REN/1/2022/6896

Dear Sir,

With reference to the aforesaid subject & referee letters, please find herewith enclosed Ground Water Quality Analysis Report for the month of **November-2024** for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) 488441.

This is for your kind information & record, please.

Thanking You
Yours faithfully,

For J K Cement Ltd., Panna

Kapil Agrawal
(Unit Head)

Encl: As above

CC to:-

1. The Add. Principal Chief Conservator of Forest (C) MoEF & CC, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal-462016
2. Member Secretary, CGWA, Jamnagar House, 18/11, Man singh Road Area, New Delhi, Delhi-110001
3. Regional Director, CGWB Regional Office, Block-1, 4th Floor, Paryawas Bhawan, Arera Hills, Bhopal
4. Scientist E, Regional Directorate, CPCB Zonal Office, Vithal Market, Paryavaran Parisar, E-5, Arera Colony, Bhopal, M.P.
5. Member Secretary, MPPCB, E-5, Link Road No. 3, Ekant Park, Arera Colony, Bhopal, M.P.
6. Regional Officer, Regional Office MPPCB, Pt. Deen Dayal Nagar, Housing Board Colony, Sagar, M.P.



Corporate Office

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Jharli (Haryana) | Katni, Panna, Ujjain (M.P.) | Prayagraj, Aligarh,
Hamirpur (U.P.) | Balasinor (Gujarat) | Fujairah

Registered Office: Kamia Tower, Kanpur-208001, U.P., India. +91-512-2371478 to 85 91-512-2399854 www.jkcement.com

Sample Number: VTL/ W/02-03
Name & Address of the Party: M/s JK Cement Works, Panna
 (A Unit Of JK Cement Ltd.) Koni-Simariya
 Limestone Mine Village-Harduwaken Tehsil-
 Amanganj PIN-488441 Dist-Panna

Sample Description: Ground Water

Sample Collected by: Vibrant Techno Lab Representative
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling and Analysis Protocol: APHA 24th Edition 2023

Report No.: VTL/W/2411170002-03
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 25/11/2024

Period of Analysis: 17 to 25/11/2024
Receipt Date: 17/11/2024
Sampling Date: 15/11/2024
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

S.No.	Parameters	Test-Method	Near Zero Point	Near HR Office	Unit	Limits of IS:10500-2012	
						Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.27	7.37	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.2	24.6	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	176.0	201.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 1991, RA : 2019	39.0	48.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	67.0	72.4	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, A+B	42.7	58.3	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	--	--
12.	Magnesium as Mg	APHA, 24 th Edition, 3500 Mg B, Calculation Method	19.12	19.74	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) : 2023	486.0	520.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	23.61	27.48	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500F-D : 2023	0.23	0.30	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	7.69	11.24	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B : 2023	0.15	0.19	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K, A+B	5.67	7.48	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr- B	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14)	760	830	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016, RA 2021	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016, RA 2021	Absent	Absent			

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified By: [Signature] 1986 Recognised, ISO:9001 and ISO:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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JK Cement Works, Panna
(Formerly known as Jaykaycem (Central) Ltd. now amalgamated)
A Unit of JK Cement Ltd.
CIN: L17229UP1994PLC017199
Village - Harduaken, Tehsil - Amanganj
District - Panna, State - Madhya Pradesh, India - 488 441
9329141591 jkc.panna@jkcement.com
www.jkcement.com

Ref: JKCEMENT/ENV/EMR/2024-25/20B/83

Date: 17.02.2025

To,
The Director
Impact Assessment Division (IA Division)
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road,
New Delhi-110003 INDIA.

Subject: Submission of Ground Water Quality Analysis Reports of J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) for the month of **January-2025**.

Reference No.: 1. EC File No. - IA-J-11011/224/2016-IA-II(I) dated - 02.03.2022.
2. CGWA NOC No. - CGWA/NOC/IND/REN/2/2024/10402

Dear Sir,

With reference to the aforesaid subject & referee letters, please find herewith enclosed Ground Water Quality Analysis Report for the month of **January-2025** for J K Cement Ltd. located at Village - Devra, Harduaken, Puraina, Sotipura, Madaiyan, Tehsil - Amanganj District Panna (Madhya Pradesh) 488441.

This is for your kind information & record, please.

Thanking You
Yours faithfully,

For J K Cement Ltd., Panna


Kapil Agrawal
(Unit Head)

Encl: As above
CC to:-

1. The Add. Principal Chief Conservator of Forest (C) MoEF & CC, Regional Office (WZ), E-5, Kendriya Paryavaran Bhawan, E-5 Arera Colony, Link Road-3, Ravishankar Nagar, Bhopal-462016
2. Member Secretary, CGWA, Jamnagar House, 18/11, Man singh Road Area, New Delhi, Delhi-110001
3. Regional Director, CGWB Regional Office, Block-1, 4th Floor, Paryawas Bhawan, Arera Hills, Bhopal
4. Scientist E, Regional Directorate, CPCB Zonal Office, Vithal Market, Paryavaran Parisar, E-5, Arera Colony, Bhopal, M.P.
5. Member Secretary, MPPCB, E-5, Link Road No. 3, Ekant Park, Arera Colony, Bhopal, M.P.
6. Regional Officer, Regional Office MPPCB, Pt. Deen Dayal Nagar, Housing Board Colony, Sagar, M.P

Corporate Office

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admin.prism@jkcement.com
www.jkcement.com
CIN: L17229UP1994PLC017199

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Sample Number:
Name & Address of the Party:

VTL/ W/02-03
M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna
Ground Water

Report No.: VTL/W/2501230012-13
Format No.: 7.8 F-01
Party Reference No.: NIL
Report Date: 28/01/2025
Period of Analysis: 23 to 28/01/2025
Receipt Date: 23/01/2025
Sampling Date: 17/01/2025
Sampling Quantity: 2.0Ltr.+ 250 ml
Sampling Type: Grab

Sample Description:

Sample Collected by: Vibrant Techno Lab Representative
Preservation: Suitable Preservation
Parameter Required: As Per Work Order
Sampling Protocol: APHA 24th Edition 1060, 2023

S.No.	Parameters	Test-Method	Near Zero Point	Near HR Office	Unit	Limits of IS:10500-2012	
						Requirement (Acceptable Limits)	Permissible Limit in the Absence of Alternate Source
1.	pH (at 25°C)	IS 3025 (Part 11) : 2022	7.33	7.40	--	6.5 to 8.5	No Relaxation
2.	Colour	IS 3025 (Part 4) : 2021	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	Hazen	5	15
3.	Turbidity	IS 3025 (Part 10) : 2023	*BLQ(**LOQ 1.0)	*BLQ(**LOQ 1.0)	NTU	1	5
4.	Odour	IS 3025 (Part 5) : 2018	Agreeable	Agreeable	--	Agreeable	Agreeable
5.	Temperature	IS 3025 (Part 9) : 2023	24.1	24.4	--	--	--
6.	Total Hardness as CaCO ₃	IS 3025 (Part 21) : 2009, RA : 2019	197.0	210.0	mg/l	200	600
7.	Calcium as Ca	IS 3025 (Part 40) : 2024	40.0	51.0	mg/l	75	200
8.	Alkalinity as CaCO ₃	IS 3025 (Part 23) : 2023	75.0	80.0	mg/l	200	600
9.	Sodium	APHA, 24 th Edition, 3500 Na, 2023	45.0	55.8	mg/l	--	--
10.	Residual free Chlorine	IS 3025 (Part 26) : 2021 Clause 7.0	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.2	1
11.	Phosphate	IS 3025 (Part 31)	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	--	--
12.	Magnesium as Mg	IS 3025 (Part 46):2023	23.62	20.11	mg/l	30	100
13.	Total Dissolved Solids	IS 3025 (Part 16) :2023	567.0	610.0	mg/l	500	2000
14.	Sulphate as SO ₄	IS 3025 (Part 24/Sec 1) : 2022 Clause 5.0	25.10	32.64	mg/l	200	400
15.	Fluoride as F	APHA, 24 th Edition, 4500F-D : 2023	0.30	0.33	mg/l	1.0	1.5
16.	Nitrate as NO ₃	IS 3025 (Part 34/Sec 1) : 2023 Clause 6.4	9.87	12.35	mg/l	45	No Relaxation
17.	Iron as Fe	APHA 24 th Edition, 3111 B, 2023	0.18	0.25	mg/l	1.0	No Relaxation
18.	Potassium	APHA 24 th Edition, 3500 K,2023	8.67	9.36	mg/l	--	--
19.	Boron	APHA, 24 th Edition, 4500 B-C : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	0.5	2.4
20.	Hexavalent Chromium as Cr+6	APHA, 24 th Edition, 3500 Cr- B:2023	*BLQ(**LOQ 0.05)	*BLQ(**LOQ 0.05)	mg/l	0.05	No Relaxation
21.	Nickel	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.01)	*BLQ(**LOQ 0.01)	mg/l	0.02	No Relaxation
22.	Electrical Conductivity	IS 3025 (Part 14):2013 RA:2019	890	967	µs/cm	--	--
23.	Zinc as Zn	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.2)	*BLQ(**LOQ 0.2)	mg/l	5	15
24.	Copper as Cu	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.02)	*BLQ(**LOQ 0.02)	mg/l	0.05	1.5
26.	Cadmium as Cd	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.002)	*BLQ(**LOQ 0.002)	mg/l	0.003	No Relaxation
27.	Lead as Pb	APHA, 24 th Edition, 3111 B : 2023	*BLQ(**LOQ 0.005)	*BLQ(**LOQ 0.005)	mg/l	0.01	No Relaxation
28.	Total Coliform	IS 15185 : 2016	Absent	Absent	Per 100 ml	Shall not be Detectable in Any 100 ml sample	
29.	E. Coli	IS 15185 : 2016	Absent	Absent			

*BLQ-Below Limit of Quantification, **LOQ-Limit of Quantification.

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Annexure-5

Sewage Treatment Plant Water Test Report

Sample Number: VTL/WW/01
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: WHPS N. Pit

Report No.: VTL/WW/2503270001
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025
Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit	Limits
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.36	--	5.5 to 9.0
2.	Total Dissolved Solids	IS 3025 (P-16): 2023	748.0	mg/l	2100
3.	Total Suspended Solids	IS 3025 (P-17): 2022	22.5	mg/l	100
4.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
5.	BOD (3days at 27 °C)	IS 3025(P-44):2023	12.8	mg/l	30
6.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	65.0	mg/l	250
7.	Chloride	IS 3025 (P-32):1988, RA:2019	71.6	mg/l	1000

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification


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RK Yadav
Lab Incharge
Authorized Signatory

Sample Number:	VTL/WW/02	Report No.:	VTL/WW/2503270002
Name & Address of Party:	M/s JK Cement Works, Panna (A Unit Of JK Cement Ltd.) Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna	Format No.:	7.8 F 01
		Party Reference No.:	NA
		Report Date:	31/03/2025
Sample Description:	Waste Water	Period of Analysis:	27-31/03/2025
Sample Collected by	VTL Team	Receipt Date:	27/03/2025
Preservation:	Suitable Preservation	Sampling Date:	24/03/2025
Method of Sampling:	APHA 24th Edition 1060, 2023	Sampling Type:	Grab
Sample Location:	Guest House STP Outlet	Sample Quantity:	2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit	Limits
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.25	--	6.5 to 9.0
2.	Total Suspended Solids	IS 3025 (P-17): 2022	18.6	mg/l	100
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
4.	BOD (3days at 27 °c)	IS 3025(P-44):2023	11.2	mg/l	30
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	58.0	mg/l	250
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	70	MPN/100 ml	<1000

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification


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RK Yadav
Lab Incharge
Authorized Signatory

Sample Number: VTL/WW/03
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: Guest House STP Inlet

Report No.: VTL/WW/2503270003
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025

Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	6.72	--
2.	Total Suspended Solids	IS 3025 (P-17): 2022	49.6	mg/l
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l
4.	BOD (3 days at 27 °C)	IS 3025 (P-44): 2023	30.0	mg/l
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	110.0	mg/l
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	350	MPN/100 ml

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification

Checked By 



RK Yadav
Lab Incharge
Authorized Signatory 

Sample Number:	VTL/WW/04	Report No.:	VTL/WW/2503270004
Name & Address of Party:	M/s JK Cement Works, Panna (A Unit Of JK Cement Ltd.) Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna	Format No.:	7.8 F 01
		Party Reference No.:	NA
		Report Date:	31/03/2025
Sample Description:	Waste Water	Period of Analysis:	27-31/03/2025
Sample Collected by:	VTL Team	Receipt Date:	27/03/2025
Preservation:	Suitable Preservation	Sampling Date:	24/03/2025
Method of Sampling:	APHA 24th Edition 1060, 2023	Sampling Type:	Grab
Sample Location:	Security Barrack STP Inlet	Sample Quantity:	2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.12	--
2.	Total Suspended Solids	IS 3025 (P-17): 2022	23.1	mg/l
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l
4.	BOD (3days at 27 °C)	IS 3025(P-44):2023	25.0	mg/l
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	95.0	mg/l
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	170	MPN/100 ml

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification

Checked By 



RK Yadav
Lab Incharge
Authorized Signatory 

Sample Number: VTL/WW/05
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: Security Barrack STP Outlet

Report No.: VTL/WW/2503270005
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025

Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit	Limits
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.38	--	6.5 to 9.0
2.	Total Suspended Solids	IS 3025 (P-17): 2022	22.5	mg/l	100
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
4.	BOD (3days at 27 °C)	IS 3025(P-44): 2023	16.0	mg/l	30
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	68.0	mg/l	250
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	63	MPN/100 ml	<1000

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification

Checked By: 



RK Yadav
Lab Incharge
Authorized Signatory 

Sample Number: VTL/WW/06
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: Admin Building STP Inlet

Report No.: VTL/WW/2503270006
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025

Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	6.82	--
2.	Total Suspended Solids	IS 3025 (P-17): 2022	48.0	mg/l
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l
4.	BOD (3days at 27 °C)	IS 3025(P-44):2023	19.0	mg/l
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	76.0	mg/l
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	240	MPN/100 ml

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification


Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Sample Number:	VTL/WW/07	Report No.:	VTL/WW/2503270007
Name & Address of Party:	M/s JK Cement Works, Panna (A Unit Of JK Cement Ltd.) Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna	Format No.:	7.8 F 01
		Party Reference No.:	NA
		Report Date:	31/03/2025
Sample Description:	Waste Water	Period of Analysis:	27-31/03/2025
Sample Collected by	VTL Team	Receipt Date:	27/03/2025
Preservation:	Suitable Preservation	Sampling Date:	24/03/2025
Method of Sampling:	APHA 24th Edition 1060, 2023	Sampling Type:	Grab
Sample Location:	Gate Complex STP Inlet	Sample Quantity:	2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	6.52	--
2.	Total Suspended Solids	IS 3025 (P-17): 2022	27.0	mg/l
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l
4.	BOD (3days at 27 °C)	IS 3025(P-44): 2023	23.0	mg/l
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	147.0	mg/l
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	350	MPN/100 ml

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification


Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Sample Number: VTL/WW/08
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: Admin building STP Outlet

Report No.: VTL/WW/2503270008
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025

Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit	Limits
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.39	--	6.5 to 9.0
2.	Total Suspended Solids	IS 3025 (P-17): 2022	11.8	mg/l	100
3.	Oil & Grease	IS 3025 (P-39):2021	*BLQ(**LOQ-4.0)	mg/l	10
4.	BOD (3days at 27 °c)	IS 3025(P-44):2023	7.5	mg/l	30
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	33.2	mg/l	250
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	32	MPN/100 ml	<1000

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification

Checked By 



RK Yadav
Lab Incharge
Authorized Signatory 

Sample Number:	VTL/WW/09	Report No.:	VTL/WW/2503270009
Name & Address of Party:	M/s JK Cement Works, Panna (A Unit Of JK Cement Ltd.) Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna	Format No.:	7.8 F 01
		Party Reference No.:	NA
		Report Date:	31/03/2025
Sample Description:	Waste Water	Period of Analysis:	27-31/03/2025
Sample Collected by	VTL Team	Receipt Date:	27/03/2025
Preservation:	Suitable Preservation	Sampling Date:	24/03/2025
Method of Sampling:	APHA 24th Edition 1060, 2023	Sampling Type:	Grab
Sample Location:	Gate Complex STP Outlet	Sample Quantity:	2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit	Limits
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.21	--	6.5 to 9.0
2.	Total Suspended Solids	IS 3025 (P-17): 2022	6.5	mg/l	100
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
4.	BOD (3days at 27 °C)	IS 3025(P-44):2023	10.4	mg/l	30
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	48.0	mg/l	250
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	46	MPN/100 ml	<1000

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

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Sample Number: VTL/WW/10
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: CCR STP Outlet

Report No.: VTL/WW/2503270010
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025
Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit	Limits
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.47	--	6.5 to 9.0
2.	Total Suspended Solids	IS 3025 (P-17): 2022	7.9	mg/l	100
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(*LOQ-4.0)	mg/l	10
4.	BOD (3days at 27 °C)	IS 3025(P-44):2023	8.6	mg/l	30
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	36.0	mg/l	250
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	58	MPN/100 ml	<1000

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification


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Lab Incharge
Authorized Signatory

Sample Number: VTL/WW/11
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: CCR STP Inlet

Report No.: VTL/WW/2503270011
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025
Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	6.68	--
2.	Total Suspended Solids	IS 3025 (P-17): 2022	45.2	mg/l
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l
4.	BOD (3days at 27 °C)	IS 3025(P-44):2023	29.0	mg/l
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	130.0	mg/l
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	430	MPN/100 ml

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification


Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Sample Number: VTL/WW/12
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: Labour Colony STP Outlet

Report No.: VTL/WW/2503270012
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025

Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit	Limits
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.54	--	6.5 to 9.0
2.	Total Suspended Solids	IS 3025 (P-17): 2022	16.0	mg/l	100
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
4.	BOD (3days at 27 °C)	IS 3025(P-44):2023	12.0	mg/l	30
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	63.0	mg/l	250
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	44	MPN/100 ml	<1000

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification


Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Sample Number:	VTL/WW/13	Report No.:	VTL/WW/2503270013
Name & Address of Party:	M/s JK Cement Works, Panna (A Unit Of JK Cement Ltd.) Village-Harduwaken Tehsil-Amanganj PIN-488441 Dist-Panna	Format No.:	7.8 F 01
		Party Reference No.:	NA
		Report Date:	31/03/2025
Sample Description:	Waste Water	Period of Analysis:	27-31/03/2025
Sample Collected by:	VTL Team	Receipt Date:	27/03/2025
Preservation:	Suitable Preservation	Sampling Date:	24/03/2025
Method of Sampling:	APHA 24th Edition 1060, 2023	Sampling Type:	Grab
Sample Location:	Labour Colony STP Inlet	Sample Quantity:	2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.18	--
2.	Total Suspended Solids	IS 3025 (P-17): 2022	23.0	mg/l
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l
4.	BOD (3days at 27 °C)	IS 3025(P-44):2023	23.0	mg/l
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	127.0	mg/l
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	350	MPN/100 ml

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification


Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Sample Number: VTL/WW/14
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: Project office STP Inlet

Report No.: VTL/WW/2503270014
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025

Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	6.52	--
2.	Total Suspended Solids	IS 3025 (P-17): 2022	36.4	mg/l
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l
4.	BOD (3days at 27 °C)	IS 3025(P-44):2023	28.0	mg/l
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	142.0	mg/l
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	350	MPN/100 ml

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification


Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Sample Number: VTL/WW/15
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna

Sample Description: Waste Water
Sample Collected by: VTL Team
Preservation: Suitable Preservation
Method of Sampling: APHA 24th Edition 1060, 2023
Sample Location: Project office STP Outlet

Report No.: VTL/WW/2503270015
Format No.: 7.8 F 01
Party Reference No.: NA
Report Date: 31/03/2025

Period of Analysis: 27-31/03/2025
Receipt Date: 27/03/2025
Sampling Date: 24/03/2025
Sampling Type: Grab
Sample Quantity: 2.0 Ltr.

Test Results

S. No.	Parameter	Test Method	Results	Unit	Limits
1.	pH (at 25 °C)	IS 3025 (P-11): 2022	7.33	--	6.5 to 9.0
2.	Total Suspended Solids	IS 3025 (P-17): 2022	14.0	mg/l	100
3.	Oil & Grease	IS 3025 (P-39): 2021	*BLQ(**LOQ-4.0)	mg/l	10
4.	BOD (3days at 27 °C)	IS 3025(P-44):2023	13.0	mg/l	30
5.	Chemical Oxygen Demand (COD)	IS: 3025 (P-58): 2023	45.0	mg/l	250
6.	Faecal Coliform	APHA 24 th Ed. 9221 C 2023	70	MPN/100 ml	<1000

Note: - *BLQ-Below Limit Quantification, *LOQ- Limit of Quantification

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RK Yadav
Lab Incharge
Authorized Signatory

Annexure-5A

Noise Monitoring Report

Sample Number: VTL/ N/01-05
Name & Address of Party: M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd.)
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna
Sample Description : Ambient Noise Level Monitoring

Report No.: VTL/N/2411170001-05
Format No.: 7.8 F-04
Party Reference No.: NIL
Report Date: 25/11/2024
Receipt Date: 16/11/2024

General Information:-

Sample collected by : VTL Team
Instrument Used : Sound Level Meter
Instrument Calibration Status : Calibrated
Instrument Code : VTL/SLM/01-05
Meteorological condition during monitoring : Clear Sky
Scope of Monitoring : Regulatory Requirement
Sampling & Analysis Protocol : IS 9989-1981 RA: 2020
Parameter Required : As per Work Order

S. No.	Location	Date	Test Parameter	Test Result dB (A)	
				Day Time	Night Time
1.	Near Reservoir	09-10/11/2024	Leq	65.7	56.3
2.	Near Security Barrack	09-10/11/2024	Leq	54.9	47.1
3.	Near Zero Point Area	09-10/11/2024	Leq	51.5	44.7
4.	Near Guest House Area	09-10/11/2024	Leq	48.8	41.2
5.	Deora Village	09-10/11/2024	Leq	53.1	40.0

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2. Night Time is reckoned between 10.00 PM to 6.00 AM.
3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.
Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply


Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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TEST REPORT

VIBRANT

"Experience the unimaginable"

Sample Number:

Name & Address of Party:

VTL/ N/01-05

M/s JK Cement Works, Panna

(A Unit Of JK Cement Ltd.)

Village-Harduwaken Tehsil-Amanganj

PIN-488441 Dist-Panna

Sample Description :

Ambient Noise Level Monitoring

Report No.:

VTL/N/2503010001-05

Format No.:

7.8 F-04

Party Reference No.:

NIL

Report Date:

05/03/2025

Receipt Date:

01/03/2025

General Information:-

Sample collected by

: VTL Team

Instrument Used

: Sound Level Meter

Instrument Calibration Status

: Calibrated

Instrument Code

: VTL/SLM/01-05

Meteorological condition during monitoring

: Clear Sky

Scope of Monitoring

: Regulatory Requirement

Sampling & Analysis Protocol

: IS 9989-1981 RA: 2020

Parameter Required

: As per Work Order

S. No.	Location	Date	Test Parameter	Test Result dB (A)	
				Day Time	Night Time
1.	Near Reservoir	21-22/02/2025	Leq	68.1	58.4
2.	Near Security Barrack	21-22/02/2025	Leq	59.4	52.3
3.	Near Zero Point Area	21-22/02/2025	Leq	52.0	43.9
4.	Near Guest House Area	21-22/02/2025	Leq	49.7	40.8
5.	Deora Village	21-22/02/2025	Leq	54.2	43.5

Category of Zones	Leq in dB (A)	
	Day	Night
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence Zone	50	40

1. Day Time is from 6.00 AM to 10.00 PM.
2. Night Time is reckoned between 10.00 PM to 6.00 AM.
3. Silence Zone is defined as an area up to 100 m around premises of Hospitals, Educational and Courts. Use of vehicle horn, Loudspeaker and bursting of crackers is banned in these zones.
Note: Mixed categories of areas be declared as one of the four above mentioned categories by the competent Authority and the corresponding standards shall apply

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

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Vibrant Techno Lab Pvt. Ltd.

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Sample Number: VTL/WZN/01-20
Name & Address of the Party: M M/s JK Cement Works, Panna
(A Unit Of JK Cement Ltd
Village-Harduwaken Tehsil-Amanganj
PIN-488441 Dist-Panna)
Sample Description: Work Zone Noise
Scope of Monitoring Regulatory Requirement
Protocol Used: IS 9989: IS 9876
Instrument Used SLM

Report No.: VTL/WZN/2503010001-20
Format No.: 7.8 F 04
Party Reference No.: NIL
Report Date: 05/03/2025
Receipt Date: 01/03/2025
Sampling Duration 30 Min.
Sample Collected by VTL Team
Instrument Calibration Status Calibrated

General Information:-

Sampling Location : Cement Plant
Instrument Code : VTL/SLM/01
Meteorological condition during monitoring : Clear sky
Date of Monitoring : 17-19/02/2025
Ambient Temperature (°C) : Min 31°C Average
Surrounding Activity : Human & Mining Activity
Parameter Required : Leq

Sr.No.	Test Parameter	Protocol	Result	Unit	Limit
1.	Packing Plant	IS:9989,IS 9876:1981	79.4	dB(A)	90.0
2.	Cement Mill	IS:9989,IS 9876:1981	82.1	dB(A)	90.0
3.	Near Preheater	IS:9989,IS 9876:1981	80.3	dB(A)	90.0
4.	Near CCR	IS:9989,IS 9876:1981	78.7	dB(A)	90.0
5.	Near compressor room	IS:9989,IS 9876:1981	83.9	dB(A)	90.0
6.	Near Stacker & Reclaimer	IS:9989,IS 9876:1981	75.8	dB(A)	90.0
7.	Near Zero Point	IS:9989,IS 9876:1981	68.3	dB(A)	90.0
8.	Near Security Barrack	IS:9989,IS 9876:1981	65.4	dB(A)	90.0
9.	Near Guest House	IS:9989,IS 9876:1981	61.9	dB(A)	90.0
10.	Near Labour Colony	IS:9989,IS 9876:1981	71.2	dB(A)	90.0
11.	Near Main Gate	IS:9989,IS 9876:1981	77.4	dB(A)	90.0
12.	Near Store Area	IS:9989,IS 9876:1981	69.3	dB(A)	90.0
13.	At Kiln Platform	IS:9989,IS 9876:1981	83.6	dB(A)	90.0
14.	Near Raw Mill	IS:9989,IS 9876:1981	78.1	dB(A)	90.0
15.	Near DG Set	IS:9989,IS 9876:1981	85.9	dB(A)	90.0
16.	Near Project Office	IS:9989,IS 9876:1981	68.2	dB(A)	90.0
17.	Near Cooler	IS:9989,IS 9876:1981	82.0	dB(A)	90.0
18.	Near WHRS	IS:9989,IS 9876:1981	72.5	dB(A)	90.0
19.	Near TG Building	IS:9989,IS 9876:1981	69.3	dB(A)	90.0
20.	Near Coal Mill	IS:9989,IS 9876:1981	80.7	dB(A)	90.0

Checked By



RK Yadav
Lab Incharge
Authorized Signatory

Approved & Certified EPA 1986 Recognised, ISO:9001 and OHSAS:45001 Certified

Vibrant Techno Lab Pvt. Ltd.

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Annexure-6

Heat Stress Analysis Report

JK Cement Limited, Panna

Heat Stress Analysis Report

Key finding- Summarize the main take way from the analysis. This include

- Identification of specific area with high heat stress potential e.g. kiln zone and clinker cooler
- Evaluation of work practice that contribute to worker heat stress.
- Assessment of current control measure and their effectiveness.

Criteria-

Physiological test- As per factory act in house medical examination facilities available in our OHC to workers and operators.

Working guideline of heat stress-

1.Walk around inspection- During the walk around inspection we determine the building and operation characteristics whether engineering control are functional properly.

2.Work load assessment- To determine under condition of high temp and heavy work load activity.

3.Cool rest area- Shelter room available at kiln zone with all the facilities (like: water cooler ,fans, good sitting place) are available for the prevention of heat stress.

Sampling method-

During inspection of the heat area of plant we have to done the method of measurement of body temperature, environment measurement, **wet bulb glob temperature index** and another thermal index are available and worked properly as per guideline and factory act.

Engineering controls

There are five major type of engineering control to be followed to reduce heat stress in hot working environment.

1.General ventilation

2. Air cooling

3. Air conditioning

4. Local air cooling

5. Fans

1. **General ventilation**- in our plant we have used to dilute hot air with cooler air.
2. **Air treatment**- we have air Treatment facilities with different from of ventilation because it reduces the temperature of air by removing heat from air.
3. **Air conditioning**- in our plant we have used method of air cooling but it is expensive to install and operate.
4. **local air cooling**- in our plant we have providing local Air-cooling facilities. It can be effective in reducing air temperature is specific areas.
5. **fans**- another way to reduce heat stress is to increase the air flow or convection using fans (as long as the air temperature is less than the worker skin temperature)

Fluid replace arrangement-

We have providing Cooling drinking water and other cooling liquid like glucose and energy drink electrolytes is available near rest room to encourage them to drink small amount frequently, e.g. one cup every 20 minutes and 10-12 liter of water intake advisable.

Fluid replacement strategies are primarily designed to counter dehydration and electrolytes loss.

Administrative controls

Following administrative controls to be follow to reduce heat stress.

1. Reduce the physical demands of work e.g. excessive lifting and heavy object.
2. Provided recovery area like air conditioning room
3. Scheduled shifts e.g. early morning, day shift and night work
4. Used relief workers
5. Pre -employment medical examination with physical fitness.

Continues improvement-

- Regular reviewing WBGT reading and worker feedback.
- Updating control measure needed based on changing condition or new technology.

Good work Practice-

- We have providing good work practice training for the prevention of heat stress to the workers and operators.
- **As per NIOSH (1986)** state conduct good heat stress training program include:
 - A. Providing Knowledge of the hazard of heat stress
 - B. Providing Awareness of first aid procedure for potential health effect of heat stroke

- C. Providing good practice for using of protecting cloths and equipment. **(heat resistance suit)**
- D. Provide awareness to using danger drugs during and alcohol in hot work environment.
- E. We have provided emergency & medical facilities 24*7 hours at our plant premise's with ambulance facilities.



Submitted by-
Dr. Pradeep kumar Sharma
MBBBS (AFIH)
Reg. no. 10156

Annexure-7

Disposed off Case Copy

चन्द्रबदन तिवारी

विकट

आवेदक

वीरेंद्र राय एवं अन्य - अनावेदक

II-156

c.J.

Order sheet [Contd]

Case No. of 20....

Date of order or Proceeding	Order or proceeding with signature of Presiding Officer	Signature of parties or pleaders where necessary
05.12.2020	<p>आवेदक चन्द्रबदन तिवारी उपस्थिति।</p> <p>अनावेदक क्रमांक 01 व 02 अनुपस्थित।</p> <p>अनावेदक क्रमांक 03 व 04 की ओर से श्री मृणाल सिंह उपस्थित।</p> <p>अनावेदक क्रमांक 05 की ओर से श्री आर.के. निगम अधिवक्ता उपस्थित।</p> <p>इस अधिनिर्णय द्वारा आवेदन पत्र एवं अतिरिक्त आवेदन पत्रों का निराकरण किया जा रहा है।</p> <p>आवेदन पत्र संक्षेप में इस प्रकार है कि सीमेन्ट प्लान्ट हरदुआकेन, पुरैना, सोतीपुरा, मडैयन, ककरा, कमताना, सप्तर्षि, जूडी, देवरी पुरोहित एवं देवरा के किसानों के हितों को अनदेखा कर उनकी जमीनों के भुगतान करने में भिन्नता रखी गयी है तथा लोक सुनवाई दिनांक 17.07.2019 नियमानुसार न की जाकर प्रस्तुत अपत्ति व सुझाव पर कोई कार्यवाही नहीं की गयी है। भारत सरकार के पर्यावरण एवं वन मंत्रालय द्वारा जारी नोटिफिकेशन के अनुसार ही पर्यावरण स्वीकृति की पात्रता है, जिसका अनावेदकगण द्वारा कोई पालन नहीं किया गया है। एकपक्षीय जन सुनवाई दिनांक 17.07.2019 को निरस्त किया जाये।</p> <p>अनावेदक क्रमांक 01 व 02 की ओर से जवाब संक्षेप में इस प्रकार है कि क्षेत्रीय कार्यालय सागर द्वारा लोक सुनवाई की संपूर्ण कार्यवाही भारत सरकार के नोटिफिकेशन दिनांक 14.09.2006 के प्रावधानानुसार बोर्ड मुख्यालय भोपाल से प्राप्त निर्देशों के परिपेक्ष्य में अपर कलेक्टर पन्ना की अध्यक्षता में सपन्न की गयी है। कार्यालय द्वारा पूरी पारदर्शिता अपनाते हुए कार्यवाही पूर्ण की गयी है। आवेदक के आरोप सत्य नहीं है।</p> <p>अनावेदक क्रमांक 03 व 04 की ओर से जवाब संक्षेप में इस प्रकार है कि लोक जनसुनवाई जनता के हितों को नजर अंदाज कर एक पक्षीय रूप से नहीं</p>	

की गयी है। पर्यावरणीय स्वीकृति हेतु लोक जनसुनवाई दिनांक 17.07.2019 को ग्राम देवरा तहसील अमानगंज जिला पन्ना में अपर कलेक्टर जिला पन्ना की अध्यक्षता में संपन्न हुई है। आवेदक द्वारा लगाये गये कथित आरोप पूर्णतः बिना किसी आधार के मात्र काल्पनिक है जो व्यक्तिगत हित को लेकर लेख किये गये हैं। आवेदक द्वारा जिस प्रकार का विवाद अध्यक्ष महोदय के समक्ष प्रस्तुत किया है उक्त विवाद विधिक सेवा प्राधिकरण (संशोधन) अधिनियम 2000 की धारा 22 (ख) के अन्तर्गत नहीं आता है। मेसर्स जेकेसेम(सेन्ट्रल) लिमिटेड कंपनी को जो कि कंपनी अधिनियम 1956 के अन्तर्गत रजिस्टर्ड है, से कथित विवाद जिस प्रकार लेख किया गया है उस कंपनी की संपत्ति का मूल्य दस लाख रुपये से भी बहुत अधिक है, इस कारण भी विधिक सेवा प्राधिकरण अधिनियम(संशोधन) 2000 की धारा 22(ग) के परंतुक 1 के अन्तर्गत भी आवेदन प्रचलन योग्य नहीं है। हस्तगत प्रस्तुत आपत्तियां भारत सरकार पर्यावरण वन एवं जल-वायु परिवर्तन मंत्रालय नई दिल्ली के समक्ष विचारणीय है। फलतः आवेदन पत्र आधारहीन तथा स्थाई लोक अदालत के समक्ष पोषणीय न होने से खारिज किया जावे।

अनावेदक क्रमांक 05 की ओर से जवाब संक्षेप में इस प्रकार है कि लोक सुनवाई दिनांक 17.07.2019 को ग्राम पंचायत देवरा में अपर कलेक्टर पन्ना एवं क्षेत्रीय अधिकारी प्रदूषण नियंत्रण बोर्ड सागर द्वारा जन सामान्य द्वारा प्रस्तुत आपत्तियों एवं सुझाव प्राप्त कर की गयी और उनके द्वारा पर्यावरण एवं वन एवं जल-वायु परिवर्तन मंत्रालय भारत सरकार नई दिल्ली को प्रतिवेदन प्रेषित किया गया। पर्यावरण वन एवं जल-वायु परिवर्तन मंत्रालय भारत सरकार द्वारा पर्यावरण स्वीकृति के संबंध में अंतिम निर्णय लिया जाना है। लोक सुनवाई पर्यावरण स्वीकृति संबंधी प्रारंभिक तथा अंतरिम कार्यवाही है। आवेदन पत्र में जो तथ्य प्रश्नगत किया गया है उसका कोई आचित्य व आधार नहीं है। फलतः आवेदन पत्र निरस्त किया जावे।

आवेदक की ओर से इस आशय का भी अंतरिम आवेदन पत्र प्रस्तुत है कि अनावेदक क्रमांक 03 व 04 से जेकेसेम(सेन्ट्रल) सीमेन्ट प्लांट का संपूर्ण नक्शा तलब कराया जावे।

अनावेदक क्रमांक 03 व 04 की ओर से जवाब संक्षेप में इस प्रकार है कि आवेदक दस्तावेज की मांग नहीं कर सकता है। प्रकरण की प्रचलनशीलता के संबंध में अपत्ति पूर्व से उल्लेखित है। फलतः आवेदन पत्र निरस्त किया जावे।

आवेदक की ओर से इस आशय का भी अंतरिम आवेदन पत्र प्रस्तुत है कि अनावेदकगण द्वारा आवासीय क्षेत्र व उत्खन्न क्षेत्र के वास्तविक तथ्यों को परियोजना व जवाब में छिपाया गया है। प्रकरण की अंतिम सुनवाई के पूर्व तथ्यों की जांच कराई जाकर, विधिक सम्यक कार्यवाही किये जाने का निवेदन किया।

अनावेदक क्रमांक 03 एवं 04 की ओर से जवाब संक्षेप में इस प्रकार है कि आवेदन पूर्णतः झूठा व बनावटी है। आवेदक येनकेन प्रकार प्रकरण को लंबित रखना चाहता है। आवेदक को किसी भी प्रकार की जांच इस फोरम में कराये जाने की अधिकारिता नहीं है। भारत सरकार पर्यावरण एवं वन मंत्रालय द्वारा जन सुनवाई दिनांक 17.07.2019 को सही पाकर पर्यावरणीय स्वीकृति दी गयी है। आवेदन पत्र सारहीन होने से निरस्त किया जावे।

अनावेदक क्रमांक 05 की ओर से जवाब संक्षेप में इस प्रकार है कि आवेदन पत्र के पद क्रमांक 01, 02, 03 में वर्णित तथ्य पूर्णतः मिथ्या व बनावटी है। आवेदक द्वारा प्रस्तुत मूल आवेदन पत्र प्रचलनशील नहीं है। आवेदक द्वारा आवेदन पत्र मूलरूप से पर्यावरण स्वीकृति के संबंध में की गई लोक सुनवाई दिनांक 17.07.2019 के संबंध में प्रस्तुत किया गया, जो इस फोरम में सुनवाई योग्य नहीं है। पर्यावरण स्वीकृति भी दी जा चुकी है। फलतः आवेदन पत्र सारहीन होने से निरस्त किया जावे।

अभिलेख से यह प्रकट है कि अनावेदकगण की ओर से आवेदक की ओर से प्रस्तुत आवेदन पत्र की प्रचलनशीलता पर अपत्ति की गयी है, उक्त परिप्रेक्ष्य में सर्वप्रथम प्रकरण की प्रचलनशीलता पर विचार किया जाना और उसका निराकरण किया जाना विधिसम्मत प्रतीत होता है।

आवेदक की ओर से प्रचलनशीलता पर लिखित तर्क प्रस्तुत किये गये हैं एवं अनावेदकगण की ओर से मौखिक तर्क प्रस्तुत किये गये हैं। आवेदक ने यह लिखित तर्क किया है कि उक्त विवाद आवास और भू-संपदा के विवाद से संबंधित हैं जो विधिक सेवा प्राधिकरण अधिनियम 1987 की धारा 22 बी. में

आवास और भू-संपदा सेवा के विवाद में शामिल है।

अभिलेख का अवलोकन व परिशीलन किया गया एवं लिखित व मौखिक तर्कों पर विचार किया गया।

विधिक सेवा प्राधिकरण अधिनियम 1987 की धारा 22 ए(बी) के आधीन निम्नांकित लोकोपयोगी सेवाएं निहित हैं-

1. हवा, सड़क अथवा जल के द्वारा यात्रियों अथवा माल के लिए परिवहन सेवा या
2. पोस्टल, टेलीफोन या दूरभाष सेवा या
3. किसी भी स्थापना द्वारा जनता को विद्युत प्रकाश या जल की आपूर्ति या
4. सार्वजनिक संरक्षण या स्वच्छता की प्रणाली या
5. अस्पताल या डिस्पेंसरी में सेवा या
6. बीमा सेवा या
7. आवासीय और संपदा या
8. बैंकिंग एवं वित्त

आवेदन पत्र के तथ्यों से यह प्रकट है कि आवेदक लोक जन सुनवाई दिनांक 17.07.2019 की कार्यवाही को विधिसंगत न बताते हुए उक्त कार्यवाही को निरस्त कराना चाहता है और भारत सरकार के पर्यावरण वन मंत्रालय के नोटिफिकेशन का पालन कराना चाहता है। आवेदन पत्र के तथ्यों से पक्षकारों के मध्य आवासीय और संपदा के संबंध में विवाद होना प्रथम दृष्टया प्रतीत नहीं होता है। सेवा प्रदाता की कमी का कोई मामला हो ऐसा भी आवेदन पत्र में लेख नहीं है।

लोकोपयोगी लोक अदालत को विधिक सेवा प्राधिकरण अधिनियम की धारा 22 क(ख) में वर्णित सेवाओं से उत्पन्न विवाद/मामलों की सुनवाई की क्षेत्राधिकारिता है। अभिलेख से यह प्रकट है कि लोक जन सुनवाई दिनांक 17.07.2019 के परिप्रेक्ष्य में पर्यावरण स्वीकृति प्रदाय की गयी है। आवेदक द्वारा लोक जन सुनवाई को चुनौती दी गयी है। अभिलेख पर जो साक्ष्य है उससे प्रथम दृष्टया ऐसा दर्शित नहीं होता है कि पक्षकारों के मध्य अधिनियम की धारा 22 क(ख) में वर्णित सेवाओं से उत्पन्न विवाद/मामला है। उक्त परिप्रेक्ष्य में इस प्रक्रम पर आवेदक की ओर से प्रस्तुत आवेदन पत्र नक्शा तलब कराये जाने व तथ्यों की जांच कराये जाने का भी कोई आधार दर्शित नहीं होता है।

उपरोक्तानुसार आवेदन पत्रों का निराकरण किया जाता है।

उभय पक्षकारण को अधिनिर्णय की सत्य प्रति निःशुल्क प्रदाय की जावे।

प्रकरण का परिणाम पंजी में दर्ज कर प्रकरण नियमानुसार जमा किया जावे।

सही / -

(सदस्य)

स्थाई लोक अदालत
लोक उपयोगी सेवा

सही / -

(सदस्य)

स्थाई लोक अदालत
लोक उपयोगी सेवा

सही / -

(अध्यक्ष)

स्थाई लोक अदालत
लोक उपयोगी सेवा

सचिव जिला फौजदारी
5/12/2020
अध्यक्ष
लोक उपयोगी सेवा
पन्ना (म.प्र.)

Annexure-8

Layout Copy

Revised Plant Layout as per EC Conditions

Annexure-8

