

Ref: JK/CTO-(PLANT)/2026-27/F19/10

Date- 22.09.2026

To,  
**The Member Secretary,**  
MP Pollution Control Board,  
Paryawaran Parisar, E-5, Arera Colony,  
Bhopal (MP).

Subject: **Environment Statement Report (Form-V) for FY. 2025-26 of M/s J K Cement Limited, Plot No. Various Khasra at Village - Devra, Harduaken, Puraina, Sotipura, Maddayan, Amanganj-Hatta Road, Tehsil: Amanganj, Distt: Panna (M.P.) – 488441.**

Ref. No.: 1. Environment Clearance vide letter no. IA-J-11011/224/2016-IA-II(I) dated 02.03.2022.  
2. Consent No: AWH-63090, dated 24.09.2025 and Valid up to 31.05.2030.

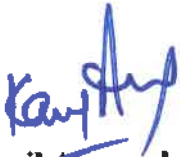
Dear sir,

With reference to aforesaid subject, please find herewith enclosed Environment Statement Report (Form-V) for FY.2025-26 of M/s J K Cement Limited, Plot No. Various Khasra at Village - Devra, Harduaken, Puraina, Sotipura, Maddayan, Amanganj-Hatta Road, Tehsil: Amanganj, Distt: Panna (M.P.) – 488441.

This is for your kind information and record, please.

Thanking you.  
Yours faithfully,

**For J K Cement Limited, Panna**



**Kapil Agrawal**  
(Unit Head)

**Encl: As above**

CC: 1- The Regional Office (WZ), MoEF&CC, Kendriya Paryavaran Bhawan, Bhopal – 462 016  
2- Regional Officer, Regional Office, MP Pollution Control Board, Makronia, Sagar (MP)



Corporate Office

♦ Prism Tower, Ninaniya Estate, Gwal Pahari,  
Gurugram, Haryana - 122102, India  
☎ +0124-6919000  
✉ corpcom@jkcement.com



Manufacturing Units at:

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



# **Environment Statement Report**

**J.K. Cement Works, Panna  
(A unit of J K Cement Limited)**

**FY: April-2025 -March-2026**



**J.K. Cement Works, Panna**

**M/s. J K Cement Limited.**

Plot No. Various Khasra at Village - Devra,  
Harduaken, Puraina, Sotipura, Maddayan, Amanganj-  
Hatta Road, Tehsil: Amanganj, Distt: Panna (M.P.) –  
488441.

**FORM – V**  
**ENVIRONMENTAL STATEMENT REPORT FOR THE FINANCIAL YEAR 2025-26**

**PART – A**

| (I)   | Name & Address of the Owner / Occupier of the Industry Operation or Process | Mr. Kapil Agrawal<br>(Unit Head)<br>J K Cement Limited, Panna Village-Devra, Harduaken, Puraina, Sotipura, Maddayan,, Tehsil-Amanganj (Old Pawai), Distt. Panna-488441 (M.P.)                                                                                                                                                                                                                                |                                                   |                 |                |                                                   |   |         |      |      |   |        |     |      |   |      |        |           |   |        |          |          |
|-------|-----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|-----------------|----------------|---------------------------------------------------|---|---------|------|------|---|--------|-----|------|---|------|--------|-----------|---|--------|----------|----------|
| (II)  | Industry Category<br>Primary ( STC CODE )<br>Secondary ( SIC CODE )         | Large Scale<br>Red Category                                                                                                                                                                                                                                                                                                                                                                                  |                                                   |                 |                |                                                   |   |         |      |      |   |        |     |      |   |      |        |           |   |        |          |          |
| (III) | Production Capacity as per CTO                                              | <table><tr><th>Sr.No</th><th>Production data</th><th>Capacity MMTPA</th><th>Production Generation during FY: 2025-26 in MMTPA</th></tr><tr><td>1</td><td>Clinker</td><td>7.92</td><td>4.23</td></tr><tr><td>2</td><td>Cement</td><td>3.0</td><td>2.05</td></tr><tr><td>3</td><td>WHRS</td><td>50 MWH</td><td>15.37 MWH</td></tr><tr><td>4</td><td>DG Set</td><td>2500 KVA</td><td>5264 Kwh</td></tr></table> | Sr.No                                             | Production data | Capacity MMTPA | Production Generation during FY: 2025-26 in MMTPA | 1 | Clinker | 7.92 | 4.23 | 2 | Cement | 3.0 | 2.05 | 3 | WHRS | 50 MWH | 15.37 MWH | 4 | DG Set | 2500 KVA | 5264 Kwh |
| Sr.No | Production data                                                             | Capacity MMTPA                                                                                                                                                                                                                                                                                                                                                                                               | Production Generation during FY: 2025-26 in MMTPA |                 |                |                                                   |   |         |      |      |   |        |     |      |   |      |        |           |   |        |          |          |
| 1     | Clinker                                                                     | 7.92                                                                                                                                                                                                                                                                                                                                                                                                         | 4.23                                              |                 |                |                                                   |   |         |      |      |   |        |     |      |   |      |        |           |   |        |          |          |
| 2     | Cement                                                                      | 3.0                                                                                                                                                                                                                                                                                                                                                                                                          | 2.05                                              |                 |                |                                                   |   |         |      |      |   |        |     |      |   |      |        |           |   |        |          |          |
| 3     | WHRS                                                                        | 50 MWH                                                                                                                                                                                                                                                                                                                                                                                                       | 15.37 MWH                                         |                 |                |                                                   |   |         |      |      |   |        |     |      |   |      |        |           |   |        |          |          |
| 4     | DG Set                                                                      | 2500 KVA                                                                                                                                                                                                                                                                                                                                                                                                     | 5264 Kwh                                          |                 |                |                                                   |   |         |      |      |   |        |     |      |   |      |        |           |   |        |          |          |
| (IV)  | Year of Establishment                                                       | Line-1-Year 2022 & Line-2 Year-2025                                                                                                                                                                                                                                                                                                                                                                          |                                                   |                 |                |                                                   |   |         |      |      |   |        |     |      |   |      |        |           |   |        |          |          |
| (V)   | Date of last Environmental Statement Submitted                              | 29.09.2025                                                                                                                                                                                                                                                                                                                                                                                                   |                                                   |                 |                |                                                   |   |         |      |      |   |        |     |      |   |      |        |           |   |        |          |          |

**PART – B**

**Water & Raw Material Consumption**

**A. Water**

- (i) Over All Consumption - N.A. (As plant is based on dry Process Technology)
- (ii) Process - NIL
- (iii) Cooling - **369424 KL** (Cement Plant) & **65712 KL** (WHRS Plant)
- (iv) Domestic - **35635 KL**

Consumption per unit of production

| Name of the Product | Process Water Consumption per unit of Product Output |                                             |
|---------------------|------------------------------------------------------|---------------------------------------------|
|                     | During the Previous Financial Year (2024-25)         | During the Current Financial Year (2025-26) |
|                     |                                                      |                                             |

|                                   |       |       |
|-----------------------------------|-------|-------|
| Cement and Clinker (KL/MT Cement) | 0.199 | 0.079 |
| WHRS (KL/MW Power Production)     | 0.389 | 0.539 |

#### B. Raw Material Consumption

| Name of the Raw Material                        | Name of Product  | Consumption of Raw Material per Unit Product Output (MT/MT of Cement) |                                             |
|-------------------------------------------------|------------------|-----------------------------------------------------------------------|---------------------------------------------|
|                                                 |                  | During the Previous Financial Year (2024-25)                          | During the Current Financial Year (2025-26) |
| Lime Stone                                      | Cement & Clinker | 1.061                                                                 | 0.974                                       |
| Coal                                            |                  | 0.078                                                                 | 0.079                                       |
| Pet coke                                        |                  | 0.016                                                                 | 0.010                                       |
| Gypsum                                          |                  | 0.036                                                                 | 0.040                                       |
| Flyash                                          |                  | 0.323                                                                 | 0.337                                       |
| Iron ore/ Laterite/Red Ochre/Red Mud            |                  | 0.030                                                                 | 0.030                                       |
| Alternate Fuel                                  |                  | 0.010                                                                 | 0.004                                       |
| Alternate Raw material and performance improver |                  | --                                                                    | --                                          |

#### C. Total Cement and Clinker Production (MT):

| Product                            | During the Previous Financial Year (2024-25) | During the Current Financial Year (2025-26) |
|------------------------------------|----------------------------------------------|---------------------------------------------|
| Cement (OPC, PPC & blended cement) | 2111158                                      | 2052497                                     |
| Clinker                            | 27,98,570                                    | 42,27,910                                   |

#### D. Total Power Generation from WHRS (KWH)/ DG set (KWH)

| Product                   | During the Previous Financial Year (2024-25) | During the Current Financial Year (2025-26) |
|---------------------------|----------------------------------------------|---------------------------------------------|
| WHRS (Power Generation)   | 10,10,67,700                                 | 12,19,13,200                                |
| DG set (Power Generation) | 9712                                         | 5264                                        |

#### E. Total Power consumption in Cement Plant (KWH/ Ton of Cement)

| During the Previous Financial Year (2024-25) | During the Current Financial Year (2025-26) |
|----------------------------------------------|---------------------------------------------|
| 64.07                                        | 63.57                                       |

**F. Total Power consumption in WHRS Plant (KWH/ KWH of Power production)**

| During the Previous<br>Financial Year <b>(2024-25)</b> | During the Current Financial<br>Year <b>(2025-26)</b> |
|--------------------------------------------------------|-------------------------------------------------------|
| 0.033                                                  | 0.036                                                 |

**PART - C****Pollutant Discharged to Environment / Unit of Output**

(Parameters as specified in the consent issued)

| S.<br>No. | Pollutants | Quantity of Pollutants<br>Discharged (Mass /<br>day) (tonne/day)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Concentrations of<br>Pollutants in discharged<br>(Mass /<br>Volume) (kg/m <sup>3</sup> ) | Percentage of variation<br>from prescribed standard<br>with reasons |
|-----------|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------|
| (a)       | Water      | 1.As plant is operated on dry process technology, no liquid effluent is generated from cement plant.<br>2.Domestic waste water generated from office toilet and canteen is being treated with STP and treated water is being used in green belt development in plant premises.<br>3.Treated Effluent water from WHRS is being used in Cement Plant Process hence Zero Liquid Discharge (ZLD) maintained.<br>4.Please refer Water consumption and waste water generation report as <b>Annexure -1</b> , STP treated water analysis report as <b>Annexure-2</b> and Drinking water analysis report as <b>Annexure-3</b> . |                                                                                          |                                                                     |
| (b)       | Air        | Please refer Ambient Air Quality Monitoring Reports as <b>Annexure-4</b> , Stack emission monitoring report as <b>Annexure-5</b> , Fugitive emission monitoring report as <b>Annexure-6</b> and Noise Monitoring reports as <b>Annexure -7</b> .                                                                                                                                                                                                                                                                                                                                                                        |                                                                                          |                                                                     |

**PART – D****(As specified under Hazardous waste / Management and Handling rules, 1989 as Amended -2016)**

Hazardous waste generated will be stored in a dedicated area and will be disposed through registered recycler. During **FY: 2025-26** HW generation and disposed details is given below.

| Hazardous waste |                                                                                                   | Total Quantity sold to recycler                                 |                                                                |
|-----------------|---------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------|
|                 |                                                                                                   | During the Previous<br>Financial<br>Year <b>(2024-25)</b> in MT | During the Current<br>Financial<br>Year <b>(2025-26)</b> in MT |
|                 | (a) Category 35.4 Oil and Grease, Skimming                                                        | 00                                                              | 00                                                             |
|                 | (b) Category 33.1 Empty Barrels /Containers/ Liners Contaminated with Hazardous Chemicals /Wastes | 00                                                              | 00                                                             |

|                                   |                                                                        |        |       |
|-----------------------------------|------------------------------------------------------------------------|--------|-------|
|                                   | (c) Category 33.2 Contaminated Cotton Rags or Other Cleaning Materials | 00     | 00    |
|                                   | (d) Sludge And Filters Contaminated with Oil                           | 00     | 00    |
|                                   | (e) Category 5.2 Wastes Or Residues Containing Oil                     | 4.304  | 6.778 |
|                                   | (f) Category 1.7 Oil from Waste Water Treatment                        | 00     | 00    |
|                                   | (g) Category 4.1 Oily Sludge or Emulsion                               | 00     | 00    |
|                                   | (h) Category 35.2 Spent Ion Exchange Resin Containing Toxic Metals     | 00     | 00    |
|                                   | (i) Category 5.1 Used or Spent Oil                                     | 13.538 | 12.88 |
| From Pollution Control Facilities | Nil                                                                    | 00     | 00    |

Note- Used or Spent Oil HW Category (5.1)- **12.88 MT** & (5.2)- **6.778 MT** sent to register recycler **M/s Jaital Chemicals Pvt. Ltd.**

#### Co processing of HW Waste in FY:2025-26

| Sl. No. | Type of hazardous waste as per Authorization            | Authorized category of Waste | Quantity in stock at the beginning of the year 01.04.2025 | Quantity of waste received during the FY: 2025-26 | Quantity or co-processed or used during the FY: 2025-26 | Quantity in storage at the end of the year 31.03.2026 |
|---------|---------------------------------------------------------|------------------------------|-----------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------|-------------------------------------------------------|
| 1       | Gypsum/Process residues-                                | I-38.1                       | 0.0                                                       | 15164.2                                           | 14619.2                                                 | 545                                                   |
| 2       | Chemical sludge from waste water treatment / ETP Sludge | I-35.3                       | 358.258                                                   | 7097.869                                          | 4933.05                                                 | 2523.07                                               |
| 3       | Spent solvent                                           | I-21.2                       | 0.0                                                       | 0.0                                               | 0.0                                                     | 0.0                                                   |
| 4       | Spent catalyst                                          | I-26.5                       | 0.0                                                       | 0.0                                               | 0.0                                                     | 0.0                                                   |
| 5       | Any process or distillation residue                     | I - 36.1                     | 0.0                                                       | 0.0                                               | 0.0                                                     | 0.0                                                   |
| 6       | Spent Carbon or filter medium                           | I - 36.2                     | 0.0                                                       | 0.0                                               | 0.0                                                     | 0.0                                                   |

|    |                                                                     |                       |     |        |        |     |
|----|---------------------------------------------------------------------|-----------------------|-----|--------|--------|-----|
| 7  | Process Residue and wastes                                          | I - 28.1              | 0.0 | 0.0    | 0.0    | 0.0 |
| 8  | Spent carbon                                                        | I - 28.3              | 0.0 | 0.0    | 0.0    | 0.0 |
| 9  | Date-expired products                                               | I - 28.5              | 0.0 | 0.0    | 0.0    | 0.0 |
| 10 | Spent catalysts                                                     | I - 22.1              | 0.0 | 0.0    | 0.0    | 0.0 |
| 11 | Process Waste Sludge/Residues Containing Acid, Toxic Metals, Organi | I - 26.1              | 0.0 | 0.0    | 0.0    | 0.0 |
| 12 | Chemical Gypsum                                                     | I - 26.1              | 0.0 | 903.36 | 903.36 | 0.0 |
| 13 | Distillation Residues                                               | I - 20.3              | 0.0 | 0.0    | 0.0    | 0.0 |
| 14 | Process Wastes, Residues and Sludges                                | I - 21.1              | 0.0 | 0.0    | 0.0    | 0.0 |
| 15 | Spent Catalyst                                                      | I -28.2               | 0.0 | 0.0    | 0.0    | 0.0 |
| 16 | Off Specification Products                                          | I -28.4               | 0.0 | 0.0    | 0.0    | 0.0 |
| 17 | Spent Solvent                                                       | I -28.6               | 0.0 | 0.0    | 0.0    | 0.0 |
| 18 | Process residues                                                    | I -22.2               | 0.0 | 0.0    | 0.0    | 0.0 |
| 19 | Spent solvent                                                       | I -26.4               | 0.0 | 0.0    | 0.0    | 0.0 |
| 20 | Process Wastes, residues and Sludges                                | I -21.1               | 0.0 | 0.0    | 0.0    | 0.0 |
| 21 | Carbon residue                                                      | I -18.2               | 0.0 | 0.0    | 0.0    | 0.0 |
| 22 | Waste Mix liquid                                                    | Other Hazardous Waste | 0.0 | 0.0    | 0.0    | 0.0 |

**Co processing of Non- HW Waste in FY :2025-26**

| S.No. | Non-Hazardous waste | Quantity in stock at the beginning of the year 01.04.2025 | Quantity of waste received during the FY: 2025-26 | Quantity recycled or co-processed or used during the FY: 2025-26 | Quantity in storage at the end of the year 31.03.2026 |
|-------|---------------------|-----------------------------------------------------------|---------------------------------------------------|------------------------------------------------------------------|-------------------------------------------------------|
| 1     | Agro waste/Biomass  | 0.00                                                      | 0.00                                              | 0.00                                                             | 0.00                                                  |
| 2     | FMCG                | 0.00                                                      | 30.38                                             | 9.88                                                             | 20.50                                                 |

|    |                                              |          |           |           |         |
|----|----------------------------------------------|----------|-----------|-----------|---------|
| 3  | Municipal Solid Waste                        | 0.00     | 0.00      | 0.00      | 0.00    |
| 4  | Plastic waste                                | 0.00     | 42.37     | 0.00      | 42.37   |
| 5  | RDF                                          | 2004.915 | 40046.08  | 37155.96  | 4895.04 |
| 6  | Slag                                         | 0.00     | 3304.76   | 3304.76   | 0.00    |
| 7  | Bagasse                                      | 0.00     | 0.00      | 0.00      | 0.00    |
| 8  | Blast furnace flue dust/Blast furnace sludge | 0.00     | 0.00      | 0.00      | 0.00    |
| 9  | Bottom ash                                   | 3153.34  | 3183.50   | 6336.84   | 0.00    |
| 10 | Carbide lime sludge                          | 0.00     | 0.00      | 0.00      | 0.00    |
| 11 | Carbon black                                 | 0.00     | 0.00      | 0.00      | 0.00    |
| 12 | Carbon Residue                               | 0.00     | 0.00      | 0.00      | 0.00    |
| 13 | Copper slag/Blast furnace                    | 0.00     | 0.00      | 0.00      | 0.00    |
| 14 | Dolochar                                     | 0.00     | 0.00      | 0.00      | 0.00    |
| 15 | Dry food waste                               | 0.00     | 0.00      | 0.00      | 0.00    |
| 16 | Fly ash                                      | 974.51   | 451238.98 | 450054.94 | 2158.55 |
| 17 | GCB dust                                     | 0.00     | 0.00      | 0.00      | 0.00    |
| 18 | Iron sludge                                  | 0.00     | 0.00      | 0.00      | 0.00    |
| 19 | Jarosite                                     | 0.00     | 0.00      | 0.00      | 0.00    |
| 20 | leather waste                                | 0.00     | 0.00      | 0.00      | 0.00    |
| 21 | Pyrolysis Oil                                | 10.814   | 276.20    | 278.37    | 8.65    |
| 22 | Red mud                                      | 0.00     | 0.00      | 0.00      | 0.00    |
| 23 | Rice husk                                    | 0.000    | 0.000     | 0.000     | 0.000   |
| 24 | Rubber waste                                 | 0.00     | 0.00      | 0.00      | 0.00    |
| 25 | STP sludge                                   | 0.00     | 0.00      | 0.00      | 0.00    |
| 26 | Textile Waste                                | 0.00     | 0.00      | 0.00      | 0.00    |
| 27 | Tyre chips                                   | 0.00     | 0.00      | 0.00      | 0.00    |
| 28 | Waste Liquid blend and solid                 | 0.00     | 0.00      | 0.00      | 0.00    |

|    |                            |      |      |      |      |
|----|----------------------------|------|------|------|------|
|    | blend (Iron Sludge)        |      |      |      |      |
| 29 | Non-Hazardous Gypsum (New) | 0.00 | 0.00 | 0.00 | 0.00 |
| 30 | Thermoset Plastic (New)    | 0.00 | 0.00 | 0.00 | 0.00 |

#### Quantity of E-Waste under E-Waste (Management) Rule 2016

| S.No. | E-Waste Name | E-Waste quantity in stock at the beginning of the year 01.04.2025 | E-Waste quantity generated during the FY: 2025-26 | E-Waste quantity sold out to recycler during the FY: 2025-26 | E-Waste quantity in storage at the end of the year 31.03.2026 |
|-------|--------------|-------------------------------------------------------------------|---------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------|
| 1     | E-Scrap      | 0.00                                                              | 0.00                                              | 0.00                                                         | 0.00                                                          |

#### The Batteries (Management and Handling) Rules, 2001 –

In FY 2025-26, we have purchased **189 nos.** (Approx-3.70 MT) batteries and **1.76 MT** battery waste sale in buy back system during in FY 2025-26.

#### PART – E Solid Wastes

| Solid Waste |                                              | Total Quantity                                                           |                                                                          |
|-------------|----------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|
|             |                                              | During the Previous Financial Year (2024-25)                             | During the Current Financial Year (2025-26)                              |
| (a)         | From Process (Cement Plant)                  | Nil                                                                      | Nil                                                                      |
| (b)         | From Pollution Control facilities            | Dust Collected in ESP and Bag houses are recycled back into the process. | Dust Collected in ESP and Bag houses are recycled back into the process. |
| (c)         | (i) Qty. recycled or reused Within the unit. | Dust collected in APCD is 100% utilized in cement manufacturing          | Dust collected in APCD is 100% utilized in cement manufacturing          |
|             | (ii) Sold                                    | Nil                                                                      | Nil                                                                      |
|             | (iii) Disposed                               | Nil                                                                      | Nil                                                                      |

#### PART – F

**PLEASE SPECIFY THE CHARACTERISATIONS (IN TERMS OF COMPOSITION AND QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THE CATEGORIES OF WASTES.**

**Hazardous waste:** Hazardous waste generated in the form of used/spent oil (Cat. 5.1) & Wastes or Residues Containing Oil (Cat. 5.2) which are being stored in barrel at safe and dedicated area and sold to authorized recycler of MPPCB.

**Solid waste:** Dust collected from pollution control equipment (i.e. from ESP and Bag houses) is totally recycled in process.

## **PART – G**

### **IMPACT OF THE POLLUTION ABATEMENT MEASURES TAKEN ON CONSERVATION OF NATURAL RESOURCES AND ON THE COST OF PRODUCTION.**

**Following measures have been adopted for abatement of pollution, conservation of natural resources: -**

#### **Conservation of limestone-**

Limestone is being used for the manufacturing of cement by the proper blending of different grade of limestone for preparation of proper raw mix design which can be produced a good quality of cement. The raw mix design has been prepared in such a way that it reduces the limestone stone saturation factor by which substantial quality of limestone has been conserved. In the same manner as per the Regulation of Bureau of Indian Standard, we are also using the fly ash in grinding of cement (PPC) manufacturing up to maximum 33.7 % of the total cement manufactured which ultimately reduces the raising of limestone from mines. By reduction of consumption of limestone in cement manufacturing process, it also leads to the reduce the consumption of fossil fuel and it ultimately reduce the quantity of generation of different pollutant like suspended particulate matter, emission of SO<sub>2</sub> and NO<sub>x</sub>, fugitive emission from various stages of handling of limestone (Drilling to Grinding stages). Substantial quantity of electrical and thermal energy has been also saved.

#### **Use of STP treated water for the gardening purpose-**

We have latest and advance technology-based Sewage Treatment Plant. We have installed total 07 Nos. STP (Capacity= 25 KLD- 02 Nos., 05 KLD- 03 Nos. 10 KLD-01 No. and 300 KLD-01 Nos.). Total quantity of treated waste water generated in **FY 2025-26** from STPs was **17405 KL** which was used in gardening.

#### **Extensive plantation in and around the plant-**

We have a horticulture officer for the forestation and greenery development program at our plant and mines under the supervision of senior experienced person.

| Year             | Greenbelt Area in Ha. | Numbers of Saplings (nos.) |
|------------------|-----------------------|----------------------------|
|                  | Achieved (Ha)         | Achieved                   |
| Up to March 2026 | 40.67                 | 101,684                    |

### Storage of raw materials-

- i- All the raw materials are stored in the covered sheds. For example, please see **picture 1**.



**Picture 1- Covered sheds for storage of raw materials**

- ii- The conveyor belts are fully covered. For example, please see **picture 2**



**Picture 2- Covered raw material belt conveyor**

- iii- Clinker, Flyash and cement are being stored in the covered silos. For example, please see **picture 3**.

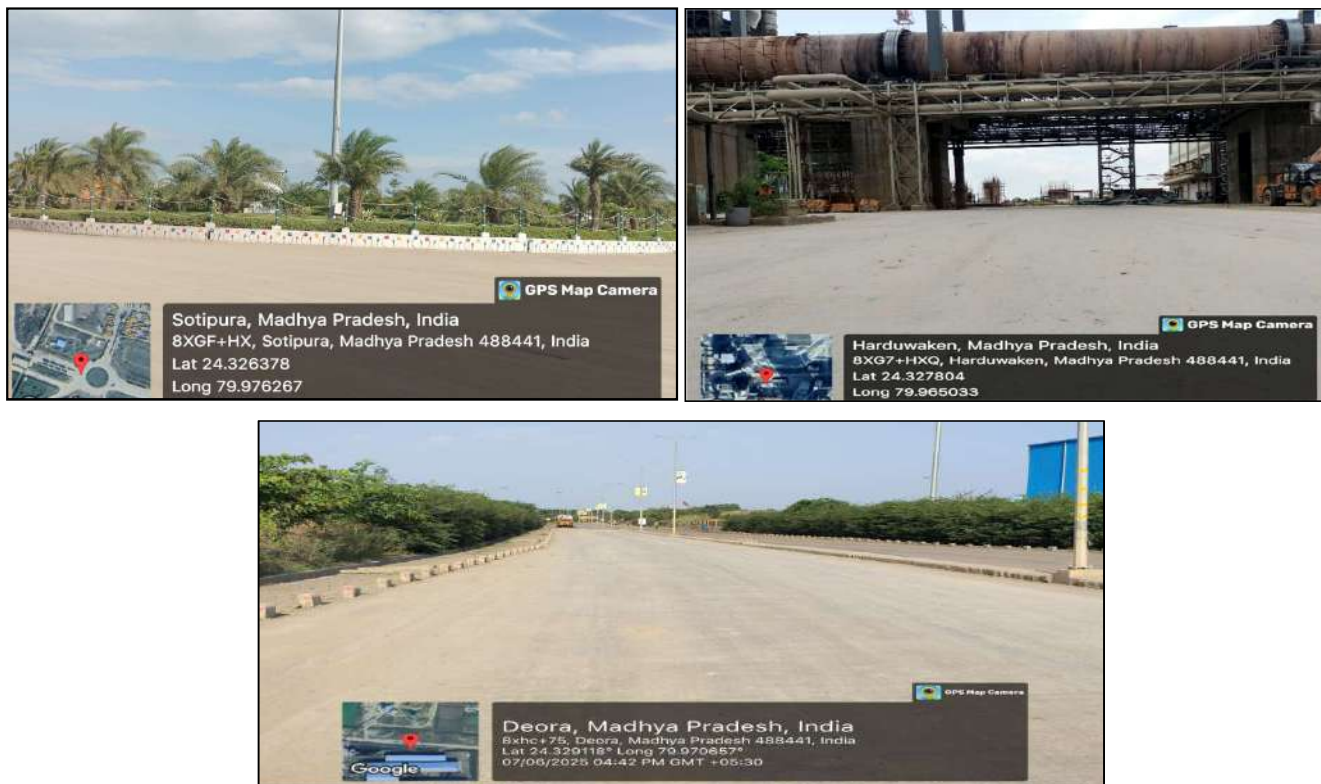


**Picture 3- Fly ash & Cement Silos**

- iv- Waste Heat Recovery Plant (WHRS)'s treated water is being utilized for spraying in cement mill. Our plant is ZERO Liquid Discharge.

#### **Concreting of Kachcha roads/floor-**

All roads of plant have been concreted / paved. For example, please see **picture 4**.



**Picture 4- Paved roads and Paved floor**

#### **Installation of Pollution Control Devices-**

Following devices are installed for emission control and emission is well within the prescribed limits.

**The list of major Pollution Control Devices installed is as under:-**

| <b>Sr. No.</b> | <b>Pollution Control Devices attached with</b> | <b>Pollution Control Devices installed</b> |
|----------------|------------------------------------------------|--------------------------------------------|
| 1              | Raw Mill (04 Nos.)/Kiln (02 Nos.)              | Bag House                                  |
| 2              | Coal Mill (02 Nos.)                            | Bag House                                  |
| 3              | Cooler (02 Nos.)                               | Electro Static Precipitator                |
| 4              | Cement Mill (01 Nos.)                          | Bag House                                  |

### **Energy conservation measures-**

- 1- We have installed solar street lights.
- 2- We have installed roof top solar system of 75.6 KW.



**Picture 5- Roof top solar system**

## **PART – H**

### **ADDITIONAL MEASURES / INVESTMENT PROPOSALS FOR ENVIRONMENTAL PROTECTION INCLUDING ABATEMENT POLLUTION, PREVENTION OF POLLUTION.**

- 1- Environment expenses For example, please see the **pictures 6**.
- 2- CSR activity and Green belt development or tree plantation is our ongoing process. We are continuously doing the plantation in and around the cement plant. For example, please see the **pictures 7&8**.
- 3- We have installed 4 Nos. Continuous Ambient Air Quality Monitoring Systems (CAAQMS) and real time data is connected at MPPCB and CPCB portal.
- 4- We have installed 4 Nos. Continuous Emission Monitoring Systems (CEMS) and real time data is connected at MPPCB and CPCB portal. Please see the picture of one instrument in **picture 9**.
- 5- We have installed camera at WHRS Waste water discharging point/Neutralization pit. Please see the picture of one instrument in **picture 10**.
- 6- We have World Environment day celebration and awareness program nearby villages in **picture 11**.

| S.N.                    | Expenditure incurred on Environment Management Activities | Expenditure Incurred 2025-26 (Rs in Lakh) |
|-------------------------|-----------------------------------------------------------|-------------------------------------------|
| 1                       | Pollution Control equipment Maintenance.                  | 11.9                                      |
| 2                       | STP operation & Maintenance                               | 15.0                                      |
| 3                       | Environmental Monitoring work                             | 18.0                                      |
| 4                       | Fees for statutory consents / approvals /Water charge     | 188.4                                     |
| 5                       | Environmental studies                                     | 6.2                                       |
| 6                       | Awareness programs/celebrations: World Environment day,   | 1.2                                       |
| <b>Total Rs in Lakh</b> |                                                           | <b>240.6</b>                              |

**Picture 6- Environment Expenditure Report of Cement Plant**

**Corporate Environment Responsibility (CER) Expenditure Report of Cement Plant :**

| S.N o.       | Activities                                     | Total Expenditure up to March-26 ((in Lakhs) |
|--------------|------------------------------------------------|----------------------------------------------|
| 1            | Health (Health, Check-up, Camp, Sports etc.)   | 298.89                                       |
| 2            | Education (Books, Bags, Stationary etc.)       | 1331.21                                      |
| 3            | Sanitation (Domestic water, Toilets etc.)      | 60.89                                        |
| 4            | Infrastructure (Road, Community Centers, etc.) | 1006.3                                       |
| 5            | Other Local Social Need                        | 189.09                                       |
| 6            | Greenery Development Nearby Area               | 490.65                                       |
| <b>Total</b> |                                                | <b>3377.03</b>                               |

**Picture 7- CSR Expenditure Report of Cement Plant**



**Drinking water arrangement through Water nearby Villages**



**Public Safety in Panna District (5 nos Bolero and 4 nos Computer donation to SP office)**



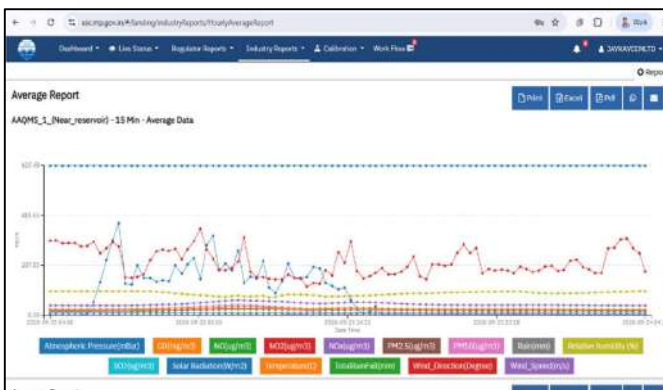
**Mahua Laddu distribution was conducted for students at various locations**



**MMU visit at nearby 20 villages**



**Picture 8- Plantation inside the Factory premises**





**Picture 9- Continuous Emission Monitoring Systems (CEMS) installed and Data uploading in CPCB & MPPCB server**



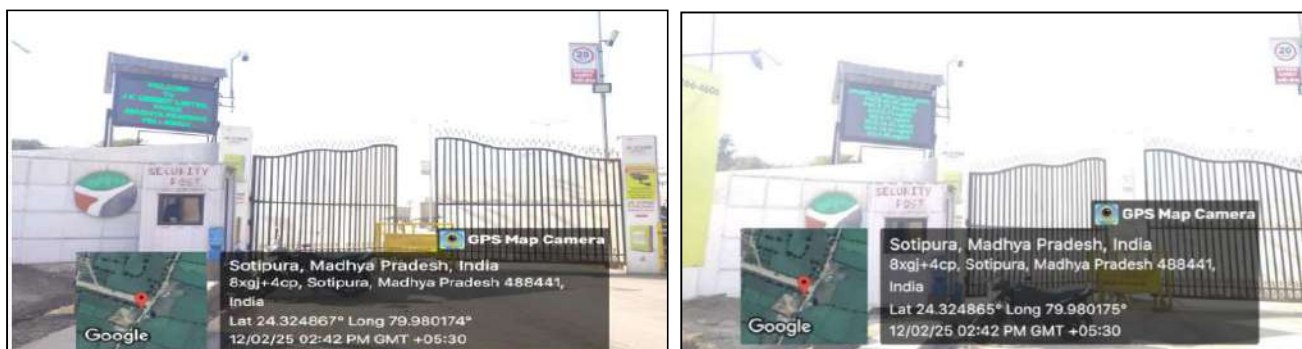
**Picture 10- Camera installed at WHRS Treated water discharging point**



**Picture 6- Environment Day celebration**

**PART – I**  
**ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT.**

- 1- We have full-fledged Environment Department with three separate cells, one for monitoring and one for maintenance of pollution control equipment and one for Green Belt development.
- 2- Monitoring of stack emission, ambient air and water quality is being done regularly. Maintenance dept. is regular checking and maintaining all the pollution control devices.
- 3- Domestic waste water is treated in STP and treated waste water is used for gardening.
- 4- Horticulture Department is taking care of tree plantation and green belt development.
- 5- Fugitive dust, ambient air and Noise are being monitored regularly.
- 6- Surface water, treated waste water and ground water are being testing time to time.
- 7- Online CEMS & AAQMS data display in Company main gate in **picture 12**.



**Picture 12- Data display in main Gate of the Cement Plant**

**For J K Cement Limited.**  
(Unit: J.K. Cement Works, Panna)

  
**Kapil Agrawal**  
(Unit Head)

## Annexure-1

**JK Cement Ltd., Panna**  
**A unit of JK Cement Ltd.**

**Water Consumption & Waste Water Generation Report in for FY 2025-26**

| Month         | Water Consumption in (KL)           |                                                        |                            | Waste Water Generation in (KL)           |                                                             |                                              |
|---------------|-------------------------------------|--------------------------------------------------------|----------------------------|------------------------------------------|-------------------------------------------------------------|----------------------------------------------|
|               | Water Consumption for Mnfg. Process | Water Consumption for DM water plant for boiler & WHRB | Domestic Water Consumption | Waste Water generation for Mnfg. Process | Waste Water generation for DM water plant for boiler & WHRB | Waste Water generation for Domestic Purposes |
| <b>Apr-25</b> | 42681                               | 2777                                                   | 2816.1                     | 0                                        | 564                                                         | 2092                                         |
| <b>May-25</b> | 42861                               | 3895                                                   | 2061.33                    | 0                                        | 1262                                                        | 1891                                         |
| <b>Jun-25</b> | 38509                               | 2515                                                   | 3143.37                    | 0                                        | 731                                                         | 2245                                         |
| <b>Jul-25</b> | 32819                               | 2904                                                   | 2690.49                    | 0                                        | 1059                                                        | 2122                                         |
| <b>Aug-25</b> | 30618                               | 2504                                                   | 3242.75                    | 0                                        | 1094                                                        | 2532                                         |
| <b>Sep-25</b> | 31967                               | 4232                                                   | 1952.95                    | 0                                        | 1641                                                        | 1522                                         |
| <b>Oct-25</b> | 27680                               | 3034                                                   | 4369.79                    | 0                                        | 1356                                                        | 3293                                         |
| <b>Nov-25</b> | 27943                               | 3618                                                   | 1909.78                    | 0                                        | 1203                                                        | 1406                                         |
| <b>Dec-25</b> | 23440                               | 7614                                                   | 3672.13                    | 0                                        | 3070                                                        | 2937                                         |
| <b>Jan-26</b> | 19959                               | 8940                                                   | 2870.37                    | 0                                        | 3419                                                        | 2241                                         |
| <b>Feb-26</b> | 20236                               | 10942                                                  | 2902.97                    | 0                                        | 4454                                                        | 2200                                         |
| <b>Mar-26</b> | 30711                               | 12737                                                  | 4002.94                    | 0                                        | 4841                                                        | 2923                                         |
| <b>Total</b>  | <b>369424</b>                       | <b>65712</b>                                           | <b>35635</b>               | <b>0</b>                                 | <b>24694</b>                                                | <b>27405</b>                                 |



TC - 11359



Annexure-2



## Test Report

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.,(LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-486/2025-26

Village- Harduwaken, Tehsil- Amanganj

Dist. Panna, PIN- 488441

Madhya Pradesh

Issued Date : 06/04/2026

ULR No : TC1135926000001443F

Lab Ref. No: PIWMPL/LAB/6277/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Admin Building STP (Inlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST RESULTS

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 8.10    | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 165.0   | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 192.0   | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 65.0    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Test Method                                  |
|--------|-----------------|-----------|---------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 530     | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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PIWMPL/LAB/QRF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited  
[A Subsidiary of Re Sustainability Limited]

CIN No. U90000TG2010PTC071919

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## Test Report

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.,(LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-487/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC113592600001444F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6278/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Admin Building STP (Outlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST LIMITS AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Limit     | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-----------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.67    | 5.5 - 9.0 | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 8.4     | NMT 20    | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 37.8    | NMT 50    | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 7.5     | NMT 10    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | NMT 10    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Limit    | Test Method                                  |
|--------|-----------------|-----------|---------|----------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 54      | NMT 1000 | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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## Test Report

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.,(LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-488/2025-26

Village- Harduwaken, Tehsil- Amanganj

Dist. Panna, PIN- 488441

Madhya Pradesh

Issued Date : 06/04/2026

ULR No : TC113592600001445F

Lab Ref. No.: PIWMPL/LAB/6285/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Gate Complex STP (Inlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 24/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST RESULTS

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.81    | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 84.0    | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 136.0   | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 43.5    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Test Method                                  |
|--------|-----------------|-----------|---------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 465     | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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Pithampur Industrial Waste Management Private Limited  
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## Test Report

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.,(LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-489/2025-26

Village- Harduaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001446F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6286/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Gate Complex STP (Outlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 29/01/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST LIMITS AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Limit     | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-----------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.78    | 5.5 - 9.0 | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 16.0    | NMT 20    | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 45.0    | NMT 50    | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 9.2     | NMT 10    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | NMT 10    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Limit    | Test Method                                  |
|--------|-----------------|-----------|---------|----------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 62      | NMT 1000 | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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## Test Report

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Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-490/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001447F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6269/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Project Office STP (Inlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST RESULTS

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.10    | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 154.0   | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 172.0   | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 61.5    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Test Method                                  |
|--------|-----------------|-----------|---------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 405     | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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(Shradha Mishra)

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S. Babyrani

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## Test Report

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.,(LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-491/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001448F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6270/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Project Office STP (Outlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST LIMITS AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Limit     | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-----------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.92    | 5.5 - 9.0 | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 16.0    | NMT 20    | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 44.0    | NMT 50    | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 8.4     | NMT 10    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | NMT 10    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Limit    | Test Method                                  |
|--------|-----------------|-----------|---------|----------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 38      | NMT 1000 | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

- Note :**
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CIN No. U90000TG2010PTC071919

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## Test Report

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.,(LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-492/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC113592600001449F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6266/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : CCR Office STP (Inlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST RESULTS

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.56    | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 184.0   | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 160.0   | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 54.5    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Test Method                                  |
|--------|-----------------|-----------|---------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 312     | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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## Test Report

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Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-493/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001450F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6267/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : CCR Office STP (Outlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 24/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST LIMITS AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Limit     | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-----------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.76    | 5.5 - 9.0 | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 18.0    | NMT 20    | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 40.0    | NMT 50    | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 7.2     | NMT 10    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | NMT 10    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Limit    | Test Method                                  |
|--------|-----------------|-----------|---------|----------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 63      | NMT 1000 | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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## Test Report

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Report No: PIWMPL/LAB/JKCL-494/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001451F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6283/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Security Barrack STP (Inlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST RESULTS

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 6.94    | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 155.0   | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 124.0   | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 39.5    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Test Method                                  |
|--------|-----------------|-----------|---------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 460     | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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## Test Report

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Report No: PIWMPL/LAB/JKCL-495/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001452F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6284/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Security Barrack STP (Outlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 24/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST LIMITS AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Limit     | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-----------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.62    | 5.5 - 9.0 | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 14.0    | NMT 20    | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 46.0    | NMT 50    | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 8.9     | NMT 10    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | NMT 10    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Limit    | Test Method                                  |
|--------|-----------------|-----------|---------|----------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 60      | NMT 1000 | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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## Test Report

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Report No: PIWMPL/LAB/JKCL-496/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001453F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6273/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Labour Colony STP (Inlet) (300KLD)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST RESULTS

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 6.91    | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 168.0   | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 196.0   | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 65.0    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Test Method                                  |
|--------|-----------------|-----------|---------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 375     | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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## Test Report

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Report No: PIWMPL/LAB/JKCL-497/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001454F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6274/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Labour Colony STP (Outlet) (300KLD)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST LIMITS AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Limit     | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-----------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.35    | 5.5 - 9.0 | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 13.0    | NMT 20    | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 46.0    | NMT 50    | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 8.4     | NMT 10    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | NMT 10    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Limit    | Test Method                                  |
|--------|-----------------|-----------|---------|----------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 56      | NMT 1000 | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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## Test Report

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Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-498/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC113592600001455F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6275/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Guest House STP (Inlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST RESULTS

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.34    | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 94.0    | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 116.0   | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 35.9    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | 5.8     | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Test Method                                  |
|--------|-----------------|-----------|---------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 290     | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

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## Test Report

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Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-499/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001456F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6276/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : Guest House STP (Outlet)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST LIMITS AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

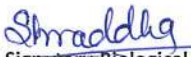
Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Limit     | Test Method                                                 |
|--------|--------------------------------------------|------|---------|-----------|-------------------------------------------------------------|
| 1      | pH                                         | -    | 7.65    | 5.5 - 9.0 | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023 |
| 2      | Total Suspended Solids (TSS)               | mg/L | 12.0    | NMT 20    | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                |
| 3      | Chemical Oxygen Demand (COD)               | mg/L | 44.0    | NMT 50    | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                |
| 4      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 7.2     | NMT 10    | IS 3025 (Part-44) : 2023                                    |
| 5      | Oil and Grease                             | mg/L | <4.0    | NMT 10    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                |

Table 2- MicroBiological Parameters

| Sl. No | Parameters      | Unit      | Results | Limit    | Test Method                                  |
|--------|-----------------|-----------|---------|----------|----------------------------------------------|
| 1      | Fecal Coliforms | MPN/100ml | 44      | NMT 1000 | APHA 24 <sup>th</sup> Edition, 9221 E : 2023 |

- Note :
1. The above results relate only to conditions prevailing at the time of sampling.
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  3. Statement of conformity to a specification or standard is given only on the request of customer.
  4. NMT refers to "Not More Than"

  
Authorized Signatory-Biological  
(Shraddha Mishra)

Page No. 1/1



  
Authorized Signatory-Chemical  
S. Babyrani

PIWMPL/LAB/QR/00/21.07.2022

Pithampur Industrial Waste Management Private Limited  
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

Registered Office:

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Hyderabad Knowledge City,  
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Site Address:

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Certificate REG No : 44 100 20392865 (ISO 45001 : 2018)  
Certificate REG No : 44 104 20392865 (ISO 9001 : 2015)  
Certificate REG No : 44 126 20392865 (ISO 14001 : 2015)

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TC - 11359



## Test Report

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD.,(LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No: PIWMPL/LAB/JKCL-506/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

ULR No : TC1135926000001463F

Madhya Pradesh

Lab Ref. No.: PIWMPL/LAB/6268/2025-26

Nature of Sample : Waste Water

Date of Sampling : 24/03/2026

Name of Sample : WHRS (N-Pit)

Date &amp; Time of Receipt : 26/03/2026 at 10:00 Hours

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 01/04/2026

Other References :

Ref:1 Sample Quantity : 02 Liters

Ref:2 Ambient Temperature : 25.0°C

Ref:3 Sample Collected By : RESL Lab Team

Ref:4 Humidity : 53%

### TEST LIMITS AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1- Physical &amp; Chemical Parameters

| Sl. No | Parameters                                 | Unit | Results | Limit   | Test Method                                                  |
|--------|--------------------------------------------|------|---------|---------|--------------------------------------------------------------|
| 1      | pH                                         | -    | 7.45    | 5.5-9.0 | APHA 24 <sup>th</sup> Edition; 4500 H <sup>+</sup> B : 2023  |
| 2      | Total Dissolved Solids (TDS)               | mg/L | 368.0   | 2100.0  | APHA 24 <sup>th</sup> Edition; 2540 C : 2023                 |
| 3      | Total Suspended Solids (TSS)               | mg/L | 21.0    | 100.0   | APHA 24 <sup>th</sup> Edition; 2540 D : 2023                 |
| 4      | Chemical Oxygen Demand (COD)               | mg/L | 52.0    | 250.0   | APHA 24 <sup>th</sup> Edition; 5220 B : 2023                 |
| 5      | Biochemical Oxygen Demand (3 days at 27°C) | mg/L | 8.3     | 30.0    | IS 3025 (Part-44) : 2023                                     |
| 6      | Oil and Grease                             | mg/L | <4.0    | 10.0    | APHA 24 <sup>th</sup> Edition; 5520 B : 2023                 |
| 7      | Chloride                                   | mg/L | 76.2    | 1000    | APHA 24 <sup>th</sup> Edition; 4500 Cl <sup>-</sup> B : 2023 |

- Note :**
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Page No. 1/1



*S. Babyrani*  
Authorized Signatory  
S. Babyrani

PIWMPL/LAB/QRF/00/21.07.2022

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J.K. Cement Works, Panna  
A Unit of J.K. Cement Limited  
CIN: L17229UP1994PLC017199

Village - Harduaken, Tehsil - Amanganj, Post Office - Purain  
District - Panna, State - Madhya Pradesh, India - 488 441  
jkc.panna@jkcement.com  
www.jkcement.com

Ref: JKCEMENT/ENV/EMR/2025-26/20B/114

Date: 08.03.2026

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-2026**.

**Reference No.:** 1. General EC condition (Water quality monitoring and preservation) No.ii of EC File No. - IA-J-11011/224/2016-IAII (I) dated - 02.03.2022.

2. Mandatory Condition no-4&5 of CGWA NOC No. - CGWA/NOC/IND/REN/2/2024/10402 dated 30.12.2024.

Dear Sir,

With reference to the aforesaid subject & referee letters, please find herewith enclosed Ground Water Quality Analysis Report for the month of **January-2026** 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-1,4 th 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  
Prism Tower, Ninaniya Estate, Gwal Pahar, Gurugram, Haryana - 122102, India  
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Manufacturing Units at:

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jharli (Haryana) | Katni, Panna, Ujjain (M.P.) | Prayagraj, Aligarh, Hamirpur (U.P.)  
Balsinor (Gujarat) | Buxar (Bihar) | Fujairah (UAE) | Ampavali, Choudwar (Odisha)





TC-11359

**TEST REPORT**

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., ( LABORATORY )

Issued to: M/s. J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No.: PIWMPL/LAB/JKCL-350/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issue Date of Test Report: 05/02/2026

Dist. Panna, PIN- 488441

ULR No.: TC1135926000000401F

Madhya Pradesh

Lab Ref. No: PIWMPL/LAB/4580, 4581/2025-26

Sampling Location: Ground Water (Cement Plant) - Near Zero Point &amp; Near HR Office

Nature of Sample: Ground Water

Packing Type: Unsealed

Date &amp; Time of Sampling: 14/01/2026 at 10:30 Hours

Date of Receipt: 16/01/2026

Start Date of Analysis: 16/01/2026

End Date of Analysis: 27/01/2026

Other Details :

Ref:1 Sample Quantity: Each 5 Litre (Poly bottle)

Ref:2 Ambient Temperature: 23.5 °C

Ref:3 Sample Collected from Cement Plant : RESL Lab Team

Ref:4 Humidity: 56 %

Ref:5 Sampling Protocol: PIWMPL/LAB/SOP/02

**TEST LIMITS AS PER IS 10500 : 2012**

Table 1 - Physical, Chemical &amp; Microbiological Parameters

| S. No. | Parameters                                | Unit | Test Method                                                                | Sampling Location |                | Requirement (Acceptable Limits) | Permissible Limit in the Absence of Alternate Source |
|--------|-------------------------------------------|------|----------------------------------------------------------------------------|-------------------|----------------|---------------------------------|------------------------------------------------------|
|        |                                           |      |                                                                            | Near Zero Point   | Near HR Office |                                 |                                                      |
| 1      | pH Value (at 25°C)                        | -    | APHA 24 <sup>th</sup> Edition, 4500 H <sup>+</sup> B : 2023                | 7.34              | 7.71           | 6.5 to 8.5                      | No Relaxation                                        |
| 2      | Colour                                    | CU   | APHA 24 <sup>th</sup> Edition, 2120 B : 2023 (Visual Comparison)           | <1.0              | <1.0           | 5                               | 15                                                   |
| 3      | Temperature                               | °C   | APHA 24 <sup>th</sup> Edition, 2550 B                                      | 24.0              | 25.0           | -                               | -                                                    |
| 4      | Total Hardness, as CaCO <sub>3</sub>      | mg/L | APHA 24 <sup>th</sup> Edition, 2340 C : 2023                               | 400.0             | 390.0          | 200                             | 600                                                  |
| 5      | Calcium, as Ca                            | mg/L | APHA 24 <sup>th</sup> Edition, 3500 Ca B : 2023                            | 70.14             | 66.13          | 75                              | 200                                                  |
| 6      | Alkalinity as CaCO <sub>3</sub>           | mg/L | APHA 24 <sup>th</sup> Edition, 2320 B : 2023                               | 125.0             | 115.0          | 200                             | 600                                                  |
| 7      | Sodium as Na                              | mg/L | APHA 24 <sup>th</sup> Edition, 3500 Na B : 2023                            | 53.65             | 48.15          | -                               | -                                                    |
| 8      | Chloride, as Cl <sup>-</sup>              | mg/L | APHA 24 <sup>th</sup> Edition, 4500 Cl <sup>-</sup> B : 2023               | 251.94            | 261.73         | 250                             | 1000                                                 |
| 9      | Residual free Chlorine                    | mg/L | APHA 24 <sup>th</sup> Edition, 4500 Cl B : 2023                            | <0.1              | <0.1           | 0.2                             | 1                                                    |
| 10     | Phosphate                                 | mg/L | APHA 24 <sup>th</sup> Edition, 4500 P D : 2023                             | <0.3              | <0.3           | -                               | -                                                    |
| 11     | Magnesium as Mg                           | mg/L | APHA 24 <sup>th</sup> Edition, 3500 Mg B : 2023                            | 54.68             | 32.56          | 30                              | 100                                                  |
| 12     | Total Dissolved Solids                    | mg/L | APHA 24 <sup>th</sup> Edition, 2540 C : 2023                               | 648.0             | 637.0          | 500                             | 2000                                                 |
| 13     | Sulphate as SO <sub>4</sub> <sup>2-</sup> | mg/L | APHA 24 <sup>th</sup> Edition, 4500 SO <sub>4</sub> <sup>2-</sup> D : 2023 | 58.04             | 61.23          | 200                             | 400                                                  |
| 14     | Fluoride as F <sup>-</sup>                | mg/L | APHA 24 <sup>th</sup> Edition, 4500 F D : 2023                             | 0.31              | 0.42           | 1.0                             | 1.5                                                  |

Page No. 1/2

Authorized Signatory-Chemical  
(S. Babyrani)Pithampur Industrial Waste Management Private Limited  
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India.Certificate REG No : 23EQKR96 (ISO 9001 : 2015)  
Certificate REG No : 23EEKW93 (ISO 14001 : 2015)  
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TC-11359



## Continuation Sheet - PIWMPL/LAB/IKCL-350/2025-26

|    |                                            |            |                                                               |              |              |                                              |               |
|----|--------------------------------------------|------------|---------------------------------------------------------------|--------------|--------------|----------------------------------------------|---------------|
| 15 | Nitrate as NO <sub>3</sub>                 | mg/L       | APHA 24 <sup>th</sup> Edition, 4500 NO <sub>3</sub> -B : 2023 | 8.84         | 9.34         | 45                                           | No Relaxation |
| 16 | Iron as Fe                                 | mg/L       | APHA 24 <sup>th</sup> Edition, 3111 B : 2023                  | <0.1         | 0.21         | 0.3                                          | No Relaxation |
| 17 | Potassium as K                             | mg/L       | APHA 24 <sup>th</sup> Edition, 3500 K B : 2023                | 7.23         | 5.18         | -                                            | -             |
| 18 | Electrical Conductivity                    | μ mho/cm   | APHA 24 <sup>th</sup> Edition, 2510 B : 2023                  | 1053.0       | 1042.0       | -                                            | -             |
| 19 | Zinc as Zn                                 | mg/L       | APHA 24 <sup>th</sup> Edition, 3111 B : 2023                  | <0.1         | <0.1         | 5                                            | 15            |
| 20 | Chemical Oxygen Demand                     | mg/L       | APHA 24 <sup>th</sup> Edition, 5220 B : 2023                  | <5.0         | <5.0         | -                                            | -             |
| 21 | Bio Chemical Oxygen Demand 3 Days at 27 °C | mg/L       | IS 3025 (Part 44) : 2019                                      | <5.0         | <5.0         | -                                            | -             |
| 22 | Total Coliform                             | per 100 ml | PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024        | Not Detected | Not Detected | Shall not be detectable in Any 100 ml sample |               |
| 23 | E.Coli                                     | per 100 ml | PIWMPL/LAB/STP/56, Issue No.-1, Issue Date: 01.04.2024        | Not Detected | Not Detected |                                              |               |

**Note:** 1. The above results relate only to conditions prevailing at the time of sampling.  
2. < refers to "Less Than".

\*\*\*\*\*End of the test report\*\*\*\*\*

*Shraddha*  
Authorized Signatory-Biological  
(Shraddha Mishra)



*Devi*  
Authorized Signatory-Chemical  
(S. Babyrani)

Page No. 2/2

PIWMPL/LAB/QRF/00/21.07.2022

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## TEST REPORT

**Issued from:** PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD., ( LABORATORY )

**Issued to:** M/s. J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

**Report No.:** PIWMPL/LAB/JKCL-350-I/2025-26

Village- Harduwaken, Tehsil- Amanganj

Dist. Panna, PIN- 488441

Madhya Pradesh

**Issue Date of Test Report:** 05/02/2026

**Lab Ref. No:** PIWMPL/LAB/4580, 4581/2025-26

**Sampling Location:** Ground Water (Cement Plant) - Near Zero Point & Near HR Office

**Nature of Sample:** Ground Water

**Packing Type:** Unsealed

**Date & Time of Sampling:** 14/01/2026 at 10:30 Hours

**Date of Receipt:** 16/01/2026

**Start Date of Analysis:** 16/01/2026

**End Date of Analysis:** 27/01/2026

**Other Details :**

**Ref:1** Sample Quantity: Each 5 Litre (Poly bottle)

**Ref:2** Ambient Temperature: 25.3 °C

**Ref:3** Sample Collected from Cement Plant : REST Lab Team

**Ref:4** Humidity: 51 %

**Ref:5** Sampling Protocol: PIWMPL/LAB/SOP/02

**TEST LIMITS AS PER IS 10500 : 2012**

**Table 1 - Physical & Chemical Parameters**

| S. No. | Parameters                                            | Unit | Test Method                                     | Sampling Location |                | Requirement (Acceptable Limits) | Permissible Limit in the Absence of Alternate Source |
|--------|-------------------------------------------------------|------|-------------------------------------------------|-------------------|----------------|---------------------------------|------------------------------------------------------|
|        |                                                       |      |                                                 | Near Zero Point   | Near HR Office |                                 |                                                      |
| 1      | Odour                                                 | -    | IS 3025 (Part 5) : 2018 Second Revision         | Agreeable         | Agreeable      | Agreeable                       | Agreeable                                            |
| 2      | Turbidity                                             | NTU  | APHA 24 <sup>th</sup> Edition, 2130 B : 2023    | <1.0              | <1.0           | 1                               | 5                                                    |
| 3      | Boron as B                                            | mg/L | IS 3025 (Part 57) : 2021                        | <0.1              | <0.1           | 0.5                             | 2.4                                                  |
| 4      | Hexavalent Chromium as Cr <sup>+6</sup>               | mg/L | APHA 24 <sup>th</sup> Edition, 3500 Cr B : 2023 | <0.05             | <0.05          | 0.05                            | No Relaxation                                        |
| 5      | Nickel as Ni                                          | mg/L | APHA 24 <sup>th</sup> Edition, 3111 B : 2023    | <0.02             | <0.02          | 0.02                            | No Relaxation                                        |
| 6      | Copper as Cu                                          | mg/L | APHA 24 <sup>th</sup> Edition, 3111 B : 2023    | <0.05             | <0.05          | 0.05                            | 1.5                                                  |
| 7      | Lead as Pb                                            | mg/L | APHA 24 <sup>th</sup> Edition, 3111 B : 2023    | <0.01             | <0.01          | 0.01                            | No Relaxation                                        |
| 8      | Cadmium as Cd                                         | mg/L | APHA 24 <sup>th</sup> Edition, 3111 B : 2023    | <0.003            | <0.003         | 0.003                           | No Relaxation                                        |
| 9      | Mercury as Hg                                         | mg/L | APHA 24 <sup>th</sup> Edition, 3112 B : 2023    | <0.001            | <0.001         | 0.001                           | No Relaxation                                        |
| 10     | Phenolic Compound as C <sub>6</sub> H <sub>5</sub> OH | mg/L | APHA 24 <sup>th</sup> Edition, 5530 D : 2023    | <0.001            | <0.001         | 0.001                           | 0.002                                                |

**Note:** 1. The above results relate only to conditions prevailing at the time of sampling.  
2. < refers to "Less Than"

\*\*\*\*\*End of the test report\*\*\*\*\*



Authorized Signatory-Chemical  
(S. Babyrani)

Page No. 1/1

PIWMPL/LAB/QRF/00/21.07.2022

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## Annexure-4

### AMBIENT AIR QUALITY MONITORING DATA FOR FY-2025-26 AMBIENT AIR QUALITY AT CEMENT PLANT

| Area               | Description       | Permissible Limit<br>( $\mu\text{g}/\text{m}^3$ ) | Yearly Average<br>( $\mu\text{g}/\text{m}^3$ ) | % variation from limit |
|--------------------|-------------------|---------------------------------------------------|------------------------------------------------|------------------------|
| Near Zero Point    | PM <sub>10</sub>  | 60                                                | 48.91                                          | -18.48                 |
|                    | PM <sub>2.5</sub> | 40                                                | 27.43                                          | -31.43                 |
|                    | SO <sub>2</sub>   | 50                                                | 9.85                                           | -80.30                 |
|                    | NO <sub>2</sub>   | 40                                                | 16.64                                          | -58.40                 |
| Near Reservoir     | PM <sub>10</sub>  | 60                                                | 53.69                                          | -10.52                 |
|                    | PM <sub>2.5</sub> | 40                                                | 28.74                                          | -28.14                 |
|                    | SO <sub>2</sub>   | 50                                                | 10.22                                          | -79.55                 |
|                    | NO <sub>2</sub>   | 40                                                | 17.50                                          | -56.24                 |
| Near Store         | PM <sub>10</sub>  | 60                                                | 52.57                                          | -12.38                 |
|                    | PM <sub>2.5</sub> | 40                                                | 28.14                                          | -29.64                 |
|                    | SO <sub>2</sub>   | 50                                                | 10.12                                          | -79.77                 |
|                    | NO <sub>2</sub>   | 40                                                | 17.03                                          | -57.42                 |
| Near Guest House   | PM <sub>10</sub>  | 60                                                | 52.45                                          | -12.58                 |
|                    | PM <sub>2.5</sub> | 40                                                | 28.59                                          | -28.52                 |
|                    | SO <sub>2</sub>   | 50                                                | 10.06                                          | -79.87                 |
|                    | NO <sub>2</sub>   | 40                                                | 17.07                                          | -57.33                 |
| Sotipura Village   | PM <sub>10</sub>  | 60                                                | 50.97                                          | -15.05                 |
|                    | PM <sub>2.5</sub> | 40                                                | 28.44                                          | -28.89                 |
|                    | SO <sub>2</sub>   | 50                                                | 8.71                                           | -82.58                 |
|                    | NO <sub>2</sub>   | 40                                                | 15.79                                          | -60.52                 |
| Pagra Village      | PM <sub>10</sub>  | 60                                                | 52.42                                          | -12.63                 |
|                    | PM <sub>2.5</sub> | 40                                                | 29.37                                          | -26.59                 |
|                    | SO <sub>2</sub>   | 50                                                | 8.26                                           | -83.49                 |
|                    | NO <sub>2</sub>   | 40                                                | 15.48                                          | -61.31                 |
| Harduwaken Village | PM <sub>10</sub>  | 60                                                | 53.67                                          | -10.55                 |
|                    | PM <sub>2.5</sub> | 40                                                | 29.94                                          | -25.14                 |
|                    | SO <sub>2</sub>   | 50                                                | 8.42                                           | -83.16                 |
|                    | NO <sub>2</sub>   | 40                                                | 15.98                                          | -60.05                 |

## Annexure-5

| Average Stack Emission Monitoring Result of<br>Unit: J.K. Cement Works, Panna of M/s J K Cement Limited. |                   |            |                   |                    |                           |
|----------------------------------------------------------------------------------------------------------|-------------------|------------|-------------------|--------------------|---------------------------|
| During Period : April'2025 to March'2026                                                                 |                   |            |                   |                    |                           |
| Pollution Discharge of Environment Form Stacks                                                           |                   |            |                   |                    |                           |
| Sr.No                                                                                                    | Source            | Pollutants | Limit<br>(mg/Nm3) | Avg. Concentration | % Variation<br>from Limit |
| 1                                                                                                        | Raw Mill Kiln-1   | PM         | 20                | 9.51               | -90.5                     |
|                                                                                                          |                   | SO2        | 100               | 4.72               | -95.3                     |
|                                                                                                          |                   | Nox        | 600               | 490.26             | 390.3                     |
| 2                                                                                                        | Raw Mill Kiln-1   | PM         | 20                | 10.82              | -89.2                     |
|                                                                                                          |                   | SO2        | 100               | 3.73               | -96.3                     |
|                                                                                                          |                   | Nox        | 600               | 492.00             | 392.0                     |
| 3                                                                                                        | Cooler ESP Exit-1 | PM         | 20                | 3.80               | -96.2                     |
| 4                                                                                                        | Cooler ESP Exit-2 | PM         | 20                | 8.85               | -91.2                     |
| 5                                                                                                        | Coal Mill-1       | PM         | 20                | 7.66               | -92.3                     |
| 6                                                                                                        | Coal Mill-2       | PM         | 20                | 13.35              | -86.7                     |
| 7                                                                                                        | Cement Mill-1     | PM         | 20                | 9.25               | -90.7                     |



## TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-473/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/5805/2025-26

Madhya Pradesh

Sampling Location: Gypsum Yard Area

Date & Time of Monitoring: 07/03/2026 - 09:20AM hrs to 13:20PM hrs

Date of Sample Receipt: 09/03/2026

Date of Start of Analysis: 09/03/2026

Date of Completion of Analysis: 10/03/2026

Other References :

|       |                                                            |       |                                                       |
|-------|------------------------------------------------------------|-------|-------------------------------------------------------|
| Ref:1 | Nature of Sample: Fugitive Emission Monitoring (Core Zone) | Ref:2 | Ambient Temperature: Min.- 24.0 °C      Max.- 33.0 °C |
| Ref:3 | Monitoring Carried out by: RESL Lab Team                   | Ref:4 | Duration of Sampling: 04.00 Hours                     |
| Ref:5 | Humidity:- Min.- 26%      Max.- 69%                        | Ref:6 | General Environment Condition: Clear Sky              |
| Ref:7 | Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01   |       |                                                       |

### TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Fugitive Emission Monitoring Result

| S. No. | Parameters                         | Unit              | Result  | Limit | Method of Test                                           |
|--------|------------------------------------|-------------------|---------|-------|----------------------------------------------------------|
| 1      | Suspended Particulate Matter (SPM) | µg/m <sup>3</sup> | 1732.22 | 5000  | PIWMPL/LAB/STP/12, Issue No.1,<br>Issue Date: 22.07.2022 |

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PIWMPL/LAB/QRF/00/21.07.2022

Pithampur Industrial Waste Management Private Limited  
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## TEST REPORT

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Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-474/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/5838/2025-26

Madhya Pradesh

Sampling Location: Near Clinker Silo (Transfer Point) Area

Date & Time of Monitoring: 02/03/2026 - 09:25 hrs to 13:30 hrs

Date of Sample Receipt: 04/03/2026

Date of Start of Analysis: 04/03/2026

Date of Completion of Analysis: 05/03/2026

Other References :

|       |                                                            |       |                                                       |
|-------|------------------------------------------------------------|-------|-------------------------------------------------------|
| Ref:1 | Nature of Sample: Fugitive Emission Monitoring (Core Zone) | Ref:2 | Ambient Temperature: Min.- 25.0 °C      Max.- 32.0 °C |
| Ref:3 | Monitoring Carried out by: RESL Lab Team                   | Ref:4 | Duration of Sampling: 04.05 Hours                     |
| Ref:5 | Humidity:- Min.- 29%      Max.- 72%                        | Ref:6 | General Environment Condition: Clear Sky              |
| Ref:7 | Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01   |       |                                                       |

### TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Fugitive Emission Monitoring Result

| S. No. | Parameters                         | Unit  | Result  | Limit | Method of Test                                           |
|--------|------------------------------------|-------|---------|-------|----------------------------------------------------------|
| 1      | Suspended Particulate Matter (SPM) | µg/m3 | 2306.32 | 5000  | PIWMPL/LAB/STP/12, Issue No.1,<br>Issue Date: 22.07.2022 |

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Report No : PIWMPL/LAB/JKCL-475/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/5855/2025-26

Madhya Pradesh

Sampling Location: Near Clinker Bulk Hopper Area

Date & Time of Monitoring: 19/03/2026 - 10:00 hrs to 14:05 hrs

Date of Sample Receipt: 21/03/2026

Date of Start of Analysis: 21/03/2026

Date of Completion of Analysis: 23/03/2026

Other References :

|       |                                                            |       |                                                       |
|-------|------------------------------------------------------------|-------|-------------------------------------------------------|
| Ref:1 | Nature of Sample: Fugitive Emission Monitoring (Core Zone) | Ref:2 | Ambient Temperature: Min.- 24.0 °C      Max.- 34.0 °C |
| Ref:3 | Monitoring Carried out by: RESL Lab Team                   | Ref:4 | Duration of Sampling: 04.05 Hours                     |
| Ref:5 | Humidity:- Min.- 32%      Max.- 68%                        | Ref:6 | General Environment Condition: Clear Sky              |
| Ref:7 | Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01   |       |                                                       |

### TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Fugitive Emission Monitoring Result

| S. No. | Parameters                         | Unit  | Result  | Limit | Method of Test                                           |
|--------|------------------------------------|-------|---------|-------|----------------------------------------------------------|
| 1      | Suspended Particulate Matter (SPM) | µg/m3 | 2123.44 | 5000  | PIWMPL/LAB/STP/12, Issue No.1,<br>Issue Date: 22.07.2022 |

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Report No : PIWMPL/LAB/JKCL-476/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/5982/2025-26

Madhya Pradesh

Sampling Location: Near Packing Plant (Cement bags ) Unloading Point Area

Date & Time of Monitoring:- 13/03/2026 - 09:35 hrs to 13:45 hrs

Date of Sample Receipt: 15/03/2026

Date of Start of Analysis: 13/03/2026

Date of Completion of Analysis: 15/03/2026

Other References :

|       |                                                            |       |                                                       |
|-------|------------------------------------------------------------|-------|-------------------------------------------------------|
| Ref:1 | Nature of Sample: Fugitive Emission Monitoring (Core Zone) | Ref:2 | Ambient Temperature: Min.- 22.0 °C      Max.- 33.0 °C |
| Ref:3 | Monitoring Carried out by: RESL Lab Team                   | Ref:4 | Duration of Sampling: 04.10 Hours                     |
| Ref:5 | Humidity:- Min.- 26%      Max.- 74%                        | Ref:6 | General Environment Condition: Clear Sky              |
| Ref:7 | Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01   |       |                                                       |

### TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Fugitive Emission Monitoring Result

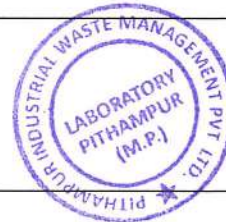
| S. No. | Parameters                         | Unit  | Result  | Limit | Method of Test                                        |
|--------|------------------------------------|-------|---------|-------|-------------------------------------------------------|
| 1      | Suspended Particulate Matter (SPM) | µg/m3 | 2298.61 | 5000  | PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022 |

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Report No : PIWMPL/LAB/JKCL-477/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/6132/2025-26

Madhya Pradesh

Sampling Location: Near Cement Mill/ HAG Area

Date & Time of Monitoring:- 11/03/2026 - 11:45 hrs to 15:50 hrs.

Date of Sample Receipt: 13/03/2026

Date of Start of Analysis: 13/03/2026

Date of Completion of Analysis : 14/03/2026

Other References :

|       |                                                            |       |                                                  |
|-------|------------------------------------------------------------|-------|--------------------------------------------------|
| Ref:1 | Nature of Sample: Fugitive Emission Monitoring (Core Zone) | Ref:2 | Ambient Temperature: Min.- 24.0 °C Max.- 31.0 °C |
| Ref:3 | Monitoring Carried out by: RESL Lab Team                   | Ref:4 | Duration of Sampling: 04.00 Hours                |
| Ref:5 | Humidity:- Min.- 31% Max.- 69%                             | Ref:6 | General Environment Condition: Clear Sky         |
| Ref:7 | Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01   |       |                                                  |

### TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Fugitive Emission Monitoring Result

| S. No. | Parameters                         | Unit  | Result  | Limit | Method of Test                                        |
|--------|------------------------------------|-------|---------|-------|-------------------------------------------------------|
| 1      | Suspended Particulate Matter (SPM) | µg/m3 | 2078.30 | 5000  | PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022 |

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Report No : PIWMPL/LAB/JKCL-478/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/6221/2025-26

Madhya Pradesh

Sampling Location: Near Coal Mill Area

Date & Time of Monitoring: 17/03/2026 - 10:10 hrs to 14:10 hrs

Date of Sample Receipt: 19/03/2026

Date of Start of Analysis: 19/03/2026

Date of Completion of Analysis: 22/03/2026

Other References :

|       |                                                            |       |                                                  |
|-------|------------------------------------------------------------|-------|--------------------------------------------------|
| Ref:1 | Nature of Sample: Fugitive Emission Monitoring (Core Zone) | Ref:2 | Ambient Temperature: Min.- 22.0 °C Max.- 33.0 °C |
| Ref:3 | Monitoring Carried out by: RESL Lab Team                   | Ref:4 | Duration of Sampling: 04.10 Hours                |
| Ref:5 | Humidity:- Min.- 33% Max.- 72%                             | Ref:6 | General Environment Condition: Clear Sky         |
| Ref:7 | Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01   |       |                                                  |

### TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Fugitive Emission Monitoring Result

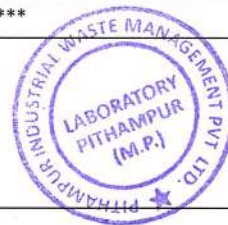
| S. No. | Parameters                         | Unit              | Result | Limit | Method of Test                                        |
|--------|------------------------------------|-------------------|--------|-------|-------------------------------------------------------|
| 1      | Suspended Particulate Matter (SPM) | µg/m <sup>3</sup> | 672.45 | 2000  | PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022 |

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Report No : PIWMPL/LAB/JKCL-479/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/6292/2025-26

Madhya Pradesh

Sampling Location: Near Raw Mill Area

Date & Time of Monitoring: 17/03/2026 - 10:10 hrs to 14:15 hrs

Date of Sample Receipt: 19/03/2026

Date of Start of Analysis: 19/03/2026

Date of Completion of Analysis: 20/03/2026

Other References :

|       |                                                            |       |                                                  |
|-------|------------------------------------------------------------|-------|--------------------------------------------------|
| Ref:1 | Nature of Sample: Fugitive Emission Monitoring (Core Zone) | Ref:2 | Ambient Temperature: Min.- 21.0 °C Max.- 32.0 °C |
| Ref:3 | Monitoring Carried out by: RESL Lab Team                   | Ref:4 | Duration of Sampling: 04.05 Hours                |
| Ref:5 | Humidity:- Min.- 26% Max.- 73%                             | Ref:6 | General Environment Condition: Clear Sky         |
| Ref:7 | Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01   |       |                                                  |

### TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Fugitive Emission Monitoring Result

| S. No. | Parameters                         | Unit  | Result  | Limit | Method of Test                                        |
|--------|------------------------------------|-------|---------|-------|-------------------------------------------------------|
| 1      | Suspended Particulate Matter (SPM) | µg/m3 | 1204.21 | 5000  | PIWMPL/LAB/STP/12, Issue No.1, Issue Date: 22.07.2022 |

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Report No : PIWMPL/LAB/JKCL-480/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/5912/2025-26

Madhya Pradesh

Sampling Location: Near Coal Shed Area

Date & Time of Monitoring: 24/03/2026 - 09:20 hrs to 13:30 hrs.

Date of Sample Receipt: 26/03/2026

Date of Start of Analysis: 26/03/2026

Date of Completion of Analysis: 27/03/2026

Other References :

|       |                                                            |       |                                                       |
|-------|------------------------------------------------------------|-------|-------------------------------------------------------|
| Ref:1 | Nature of Sample: Fugitive Emission Monitoring (Core Zone) | Ref:2 | Ambient Temperature: Min.- 23.0 °C      Max.- 32.0 °C |
| Ref:3 | Monitoring Carried out by: RESL Lab Team                   | Ref:4 | Duration of Sampling: 04.10 Hours                     |
| Ref:5 | Humidity:- Min.- 32%      Max.- 68%                        | Ref:6 | General Environment Condition: Clear Sky              |
| Ref:7 | Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01   |       |                                                       |

### TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1 - Fugitive Emission Monitoring Result

| S. No. | Parameters                         | Unit  | Result | Limit | Method of Test                                           |
|--------|------------------------------------|-------|--------|-------|----------------------------------------------------------|
| 1      | Suspended Particulate Matter (SPM) | µg/m3 | 864.16 | 2000  | PIWMPL/LAB/STP/12, Issue No.1,<br>Issue Date: 22.07.2022 |

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## TEST REPORT

Issued from: PITHAMPUR INDUSTRIAL WASTE MANAGEMENT PVT.LTD. (LABORATORY)

Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Report No : PIWMPL/LAB/JKCL-481/2025-26

Village- Harduwaken, Tehsil- Amanganj

Issued Date : 06/04/2026

Dist. Panna, PIN- 488441

Lab Ref. No.: PIWMPL/LAB/6034/2025-26

Madhya Pradesh

Sampling Location: Near Raw Mill Shed Area

Date & Time of Monitoring: 14/03/2026 - 09:50 hrs to 14:00 hrs.

Date of Sample Receipt: 16/03/2026

Date of Start of Analysis: 16/03/2026

Date of Completion of Analysis: 19/03/2026

Other References :

|       |                                                            |       |                                          |               |
|-------|------------------------------------------------------------|-------|------------------------------------------|---------------|
| Ref:1 | Nature of Sample: Fugitive Emission Monitoring (Core Zone) | Ref:2 | Ambient Temperature: Min.- 25.0 °C       | Max.- 33.0 °C |
| Ref:3 | Monitoring Carried out by: RESL Lab Team                   | Ref:4 | Duration of Sampling: 04.10 Hours        |               |
| Ref:5 | Humidity:- Min.- 49%                                       | Ref:6 | General Environment Condition: Clear Sky | Max.- 69%     |
| Ref:7 | Sampling Protocol: PIWMPL/LAB/SOP-45/2022: Rev./Issue:01   |       |                                          |               |

### TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

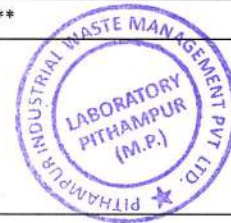
Table 1 - Fugitive Emission Monitoring Result

| S. No. | Parameters                         | Unit  | Result  | Limit | Method of Test                                           |
|--------|------------------------------------|-------|---------|-------|----------------------------------------------------------|
| 1      | Suspended Particulate Matter (SPM) | µg/m3 | 1630.23 | 5000  | PIWMPL/LAB/STP/12, Issue No.1,<br>Issue Date: 22.07.2022 |

**Note :**

1. The above results relate only to conditions prevailing at the time of sampling.
2. Statement of conformity to a specification or standard is given only on the request of customer.
3. The report cannot be reproduced in part or in full without the permission of Pithampur Industrial Waste Management Pvt. Ltd.

\*\*\*\*\* End of the test report\*\*\*\*\*



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Authorized Signatory:  
S. Babyrani

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PIWMPL/LAB/QR/00/21.07.2022

Pithampur Industrial Waste Management Private Limited  
(A Subsidiary of Re Sustainability Limited)

CIN No. U90000TG2010PTC071919

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Certificate REG No : 44 104 20392865 [ISO 9001 : 2015]  
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TC-11359



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Issued to: J.K. Cement Works, Panna (A Unit of JK Cement Ltd.)

Village- Harduaken, Tehsil- Amanganj

Dist. Panna, PIN- 488441

Madhya Pradesh

Report No: PIWMPL/LAB/JKCL-471/2025-26

Issued Date : 06/04/2026

ULR No : TC1135926000001437F

Lab Ref. No.: PIWMPL/LAB/5834, 5835, 5836, 5837/2025-26

Sampling Particulars : Ambient Noise Level Monitoring (Core Zone)

Date of Monitoring : 05/03/2026

Date of Completion of Monitoring: 07/03/2026

Other References :

|       |                                                |       |                                          |
|-------|------------------------------------------------|-------|------------------------------------------|
| Ref:1 | Time of Measurement (Day Time) : 12:23 Hours   | Ref:2 | Monitoring Carried out by: RESL Lab Team |
| Ref:3 | Time of Measurement (Night Time) : 22:39 Hours | Ref:4 | Environmental Condition : Clear Sky      |

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1:- Noise Monitoring During Day Time

| Sl. No | Monitoring Location           | Unit  | Maximum | Minimum | Result (Leq) | Limit  | Method of Test |
|--------|-------------------------------|-------|---------|---------|--------------|--------|----------------|
| 1      | Near Zero Point Area          | dB(A) | 67.2    | 58.3    | 62.8         | NMT 75 | IS 9989 :1981  |
| 2      | Near Reservoir                | dB(A) | 65.1    | 57.2    | 61.2         | NMT 75 | IS 9989 :1981  |
| 3      | Near Sequirity barrak (Store) | dB(A) | 68.3    | 60.4    | 64.4         | NMT 75 | IS 9989 :1981  |
| 4      | Near Guest House Area         | dB(A) | 68.3    | 62.8    | 65.6         | NMT 75 | IS 9989 :1981  |

Table 2:- Noise Monitoring During Night Time

| Sl. No | Monitoring Location           | Unit  | Maximum | Minimum | Result (Leq) | Limit  | Method of Test |
|--------|-------------------------------|-------|---------|---------|--------------|--------|----------------|
| 1      | Near Zero Point Area          | dB(A) | 54.6    | 48.1    | 51.4         | NMT 70 | IS 9989 :1981  |
| 2      | Near Reservoir                | dB(A) | 54.1    | 46.9    | 50.5         | NMT 70 | IS 9989 :1981  |
| 3      | Near Sequirity barrak (Store) | dB(A) | 59.2    | 47.5    | 53.4         | NMT 70 | IS 9989 :1981  |
| 4      | Near Guest House Area         | dB(A) | 55.3    | 49.2    | 52.3         | NMT 70 | IS 9989 :1981  |

**Note:-**

1. The above results relate only to conditions prevailing at the time of sampling.
2. Day time Shall mean from : 6:00 AM to 10:00 PM
3. Night Time shall mean from: 10:00 PM to 6:00 AM
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6. NMT - refers to "Not More Than"

\*\*\*\*\*End of the test report\*\*\*\*\*

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TC-11359



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Dist. Panna, PIN- 488441

Madhya Pradesh

Report No: PIWMPL/LAB/JKCL-472/2025-26

Issued Date : 06/04/2026

ULR No : TC1135926000001438F

Lab Ref. No: PIWMPL/LAB/5879, 5880,  
5881/2025-26

Sampling Particulars : Ambient Noise Level Monitoring (Core Zone)

Date of Monitoring : 09/03/2026

Date of Completion of Monitoring: 11/03/2026

Other References :

|       |                                                |       |                                          |
|-------|------------------------------------------------|-------|------------------------------------------|
| Ref:1 | Time of Measurement (Day Time) : 14:15 Hours   | Ref:2 | Monitoring Carried out by: RESL Lab Team |
| Ref:3 | Time of Measurement (Night Time) : 22:15 Hours | Ref:4 | Environmental Condition : Clear Sky      |

TEST LIMIT AS PER MADHYA PRADESH POLLUTION CONTROL BOARD (M.P.P.C.B)

Table 1:- Noise Monitoring During Day Time

| Sl. No | Monitoring Location | Unit  | Maximum | Minimum | Result (Leq) | Limit  | Method of Test |
|--------|---------------------|-------|---------|---------|--------------|--------|----------------|
| 1      | Sotipura Village    | dB(A) | 52.6    | 43.7    | 48.2         | NMT 55 | IS 9989 :1981  |
| 2      | Pagra Village       | dB(A) | 53.8    | 41.2    | 47.5         | NMT 55 | IS 9989 :1981  |
| 3      | Harduaken Village   | dB(A) | 52.3    | 44.3    | 48.3         | NMT 55 | IS 9989 :1981  |

Table 2:- Noise Monitoring During Night Time

| Sl. No | Monitoring Location | Unit  | Maximum | Minimum | Result (Leq) | Limit  | Method of Test |
|--------|---------------------|-------|---------|---------|--------------|--------|----------------|
| 1      | Sotipura Village    | dB(A) | 39.6    | 32.6    | 36.1         | NMT 45 | IS 9989 :1981  |
| 2      | Pagra Village       | dB(A) | 41.7    | 36.8    | 39.3         | NMT 45 | IS 9989 :1981  |
| 3      | Harduaken Village   | dB(A) | 42.8    | 38.1    | 40.5         | NMT 45 | IS 9989 :1981  |

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