

BL/EMD/HOPB/F 04/FY-2024-25/019

Date: 25/09/2025

To

The Unit Head - Godhra Division,  
GPCB, Paryavaran Bhavan, Sector-10/A,  
**Gandhinagar** - 382 010  
E-mail: [uh-gpcb-godh@gujarat.gov.in](mailto:uh-gpcb-godh@gujarat.gov.in)

**Sub.:** Environmental Statement Report in Form - V for the FY: 2024- 2025 of M/s. J.K. Cement Limited,  
Balasinor (Gujarat).

Ref.: 1. CCA renewed-AWH-144904; Date of issue: 20/06/2025

Dear Madam,

Kindly refer to the above mentioned subject matter and referred letter, we are submitting herewith the Environment Statement Report in Form -V of M/s. J.K. Cement Limited, Balasinor (Gujarat) for the FY: 2024-2025 for your kind reference and record please.

We trust you will find the same in order.

Thanking you.  
Yours truly,

For, J K Cement Limited, Balasinor

Rajneesh Sharma  
(Unit Head)

Corporate Office

- Prism Tower, Ninani Estate,  
Gwal Pahari, Gurugram, Haryana - 122102, India
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- 🌐 www.jkcelement.com
- CIN: L17229UP1994PLC017199



Manufacturing Units at:

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)  
Jhatri (Haryana) | Kathi, Panna, Ujjain (M.P.) | Prayagraj, Aligarh, Hamirpur (U.P.)  
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## ENVIRONMENTAL STATEMENT

### FORM-V

Environmental Statement for the financial year 2024-25, ending the 31<sup>st</sup> March<sup>1</sup> 2025

#### **PART-A**

i. Name an address of the owner/occupier of the industry operation or process	J. K. Cement Limited (Clinker Grinding Unit) (A Unit of JK Cement Limited), At Village: Vadadala, Tehsil: Balasinor, District: Mahisagar (Gujarat)
ii. Industry category Primary - (STC Code) Secondary - (STC Code)	Primary
iii. Production Capacity	Cement -1.00 Million TPA (94,500 MT Per Month), Cement Based Tilemaxx & Allied Products = 1050 MT/Month
iv. Year of establishment- (UNIT WISE)	7 <sup>th</sup> October, 2020
v. Date of last environmental statement submitted	14 <sup>th</sup> August, 2024

#### **PART-B** WATER AND RAW MATERIAL CONSUMPTION

i. WATER CONSUMPTION (in m<sup>3</sup>/day)

Process : 30 M<sup>3</sup>/Day

Domestic : 18 M<sup>3</sup>/Day

Name of products	Process water consumption per unit of products	
	During the previous financial year 2023-24 (KL/MT)	During the current financial year 2024-25 (KL/MT)
1. Pozzolana Portland Cement (PPC) /Ordinary Portland Cement (OPC)	0.0099	0.018
2. Cement Based Tilemaxx & Allied Products	0	0

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**ii. RAW MATERIAL CONSUMPTION:**

Name of Raw Material	Name of products	Consumption of Raw Material per unit of output	
		During the current financial year 2023-24	During the current financial year 2024-25
Clinker	Cement	0.5599	0.5626
Gypsum		0.0955	0.1031
Fly Ash		0.3446	0.3343
PACKED CEMENT PPC,50KG NFR	111G	0	30
QUARTZ SAND		0	69.43
DEYICELL MC901		0	0.27
VINNAPAS 5010 N		0	0.3
PACKED CEMENT PPC,50KG NFR (RPP)	211G	0	30
QUARTZ SAND		0	69.43
DEYICELL MC901		0	0.27
VINNAPAS 5010 N		0	0.3
PACKED CEMENT OPC,43G,50KG NFR	222G	0	38
QUARTZ SAND		0	54.6
DRY LFY ASH (JUMBO BAGS)		0	5
VINNAPAS 5010 N		0	1.6
WELOCEL		0	0.3
CALCIUM FORMATE		0	0.5
PACKED CEMENT OPC,43G,50KG NFR	215G	0	38
QUARTZ SAND		0	51.72
DRY LFY ASH (JUMBO BAGS)		0	3
Dolomite Mill Powder		0	5
CALCIUM FORMATE		0	0.4
WELOCEL		0	0.3

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VINNAPAS 5010 N	0	1.5
Opegel cmt	0	0.08
PACKED CEMENT OPC,43G,50KG NFR	0	40
QUARTZ SAND	0	50.15
DRY LFY ASH (JUMBO BAGS)	0	5
VINNAPAS 5010 N	0	4
WELOCEL	0	0.35
CALCIUM FORMATE	0	0.5
PACKED CEMENT OPC,43G,50KG NFR	0	40
QUARTZ SAND	0	47.17
DRY LFY ASH (JUMBO BAGS)	0	3
VINNAPAS 5010 N	0	4
WELOCEL	0	0.35
CALCIUM FORMATE	0	0.4
Opegel cmt	0	0.08
Dolomite Mill Podwer	0	5
PACKED CEMENT PPC,50KG NFR (RPP)	0	42
QUARTZ SAND	0	47.7
LIME STONE POWDER	0	10
DEYICELL MC901	0	0.1
VINNAPAS 5010 N	0	0.2
WHITEMAXX-50 KG HDPE	0	23
QUARTZ POWDER HIGH WHITENESS	0	76.5
DEYICELL MC901	0	0.3
VINNAPAS 5010 N	0	0.2
WHITE CEMENT-50 KG HDPE	0	38
QUARTZ POWDER HIGH WHITENESS	0	59.6
Calcium Formate	0	0.3

WELOCEL		0	0.3
Vinnapas 5010 N		0	1.8
WHITE CEMENT-50 KG HDPE		0	45
QUARTZ POWDER HIGH WHITENESS		0	50.62
Calcium Formate		0	0.5
WELOCEL		0	0.38
Vinnapas 5010 N		0	3.5
WHITE CEMENT-50 KG HDPE		0	42
QUARTZ POWDER HIGH WHITENESS		0	53.15
Calcium Formate		0	0.5
WELOCEL		0	0.35
Vinnapas 5010 N		0	4
WHITE CEMENT-50 KG HDPE		0	42
QUARTZ POWDER HIGH WHITENESS		0	52.15
Calcium Formate		0	0.5
WELOCEL		0	0.35
Vinnapas 5010 N		0	4
Vinnapas 5044 N		0	1
WHITE CEMENT-50 KG HDPE		0	40
QUARTZ POWDER HIGH WHITENESS		0	51.05
Calcium Formate		0	0.4
METAKAOLIN POWDER		0	2
WELOCEL		0	0.4
Vinnapas 5010 N		0	5
BENTONE WBS (MC)		0	0.15
Vinnapas 5044 N		0	1

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**JKcement**  
**WallMax X**  
White Cement Based Putty

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**PARTC**

**POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT**

<b>Pollutants</b>	<b>Quantity of pollutants discharged (Ton/Day)</b>	<b>Concentration of pollutants in discharge (mg/Nm<sup>3</sup>)</b>	<b>Percentage of variation from prescribed standards with reasons</b>															
<p>Cement Grinding Unit is being operated on dry process technology hence no liquid effluent is generated.</p> <p>Domestic waste water generated from the office toilet and pantry are being treated in the existing 10 KLD STP (Sewage Treatment Plant). STP treated water quality results are given below:-</p> <p style="text-align: center;"><b>J. K. CEMENT LIMITED , BALASINOR ANALYSIS OF SEWAGE WATER (STP OUTLET) FY 2024-25</b></p>																		
<p><b>(a) Water</b></p>		<table border="1"> <thead> <tr> <th><b>S. No.</b></th><th><b>Parameters</b></th><th><b>Average Result</b></th></tr> </thead> <tbody> <tr> <td>1</td><td>PH</td><td>7.8</td></tr> <tr> <td>2</td><td>Bio-Chemical Oxygen Demand (BOD) (3 Days at 27°C) mg/l</td><td>19.25</td></tr> <tr> <td>3</td><td>Total Suspended Solids (TSS) mg/l</td><td>22.25</td></tr> <tr> <td>4</td><td>Fecal Coliform (FC) (Most Probable Number 100 milliliter, MNP/1000 ml)</td><td>67.5</td></tr> </tbody> </table>		<b>S. No.</b>	<b>Parameters</b>	<b>Average Result</b>	1	PH	7.8	2	Bio-Chemical Oxygen Demand (BOD) (3 Days at 27°C) mg/l	19.25	3	Total Suspended Solids (TSS) mg/l	22.25	4	Fecal Coliform (FC) (Most Probable Number 100 milliliter, MNP/1000 ml)	67.5
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<p><b>(b) Air</b></p>		<p>Stack Emission Monitoring Report, Ambient Air Monitoring Report and Ambient Air Noise Monitoring Report is attached as <b>Annexure -1</b>.</p>																

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### PART-D

(As specified under Hazardous & Other Waste Management Rules' 2016)

<b>Hazardous waste</b>	<b>Total Quantity</b>	
	<b>During current financial year 2023-24</b>	<b>During current financial year 2024-25</b>
<b>(a) From Process</b>	Used oil (5.1)-1.990 MT Waste oil (5.2)-NIL Empty Barrels (33.1) – NIL Cont cotton rags (33.2) - NIL	Used grease- 0.840 Waste oil (5.2)-NIL Empty Barrels (33.1) – NIL Cont cotton rags (33.2) - NIL
<b>(b) From Pollution Control facilities</b>	NIL	NIL

Hazardous waste generated will be sold to registered recycler authorized by CPCB/GPCB.

### PART-E SOLID WASTE

<b>Source</b>	<b>Total Quantity</b>	
	<b>During previous financial year 2023-24 (MT/Year)'</b>	<b>During current financial year 2024-25 (MT/Year)</b>
<b>(a) From process</b>	Nil	Nil
<b>(b) From pollution control facility</b>	Dust collected in bag house and bag filters are recycled into the system	Dust collected in bag house and bag filters are recycled into the system
<b>(c) Quantity rejected or reutilized with in the unit</b>	100%	100%

### Other Waste

<b>Name of solid waste</b>	<b>Total Quantity Disposal</b>	
	<b>During current financial year 2023-24 (MT)</b>	<b>During financial year 2024-25 (MT)</b>
Metal Scrap	23.39	22.45
Wooden Scrap	4.79	NIL
Cable Scrap	NIL	NIL
Torn PR Bags & Other Plastic Waste	9.44	8.28
Filter bags scrap	0.569	NIL

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### PART-F

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

- 1) Hazardous waste generated in the form of used / spent oil, waste / residue containing oil, which is stored in barrels at safe & dedicated Storage area and being sold to registered recycler.
- 2) Dust collected from pollution control equipments (i.e. from Bag house and Bag filter) is being 100% recycled in the manufacturing process.

### PART-G

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

Cement manufacturing is a dry process technology; hence no effluent generation is there from process. It is a cost effective and environmentally clean technology. The stack emissions from the plant are controlled with the help of Air pollution control devices like Bag house/filters installed at various material transfer points and process stack to arrest the fugitive emissions. The particulate matter collected from the pollution control equipment is recycled in process and optimizing the cost of operation of pollution control equipment, conserving natural raw material and hence no impact on the environment. Domestic effluent generated from office building / plant premises being treated in existing STR and treated water is being reused in dust suppression & trees plantation/gardening.

### PART-H

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

- 1) Closed clinker storage silo is constructed to reduce the fugitive dust emission, with sufficient Bag filters.
- 2) Fly ash is stored in closed silo constructed to reduce the fugitive dust emission, with sufficient Bag filters.
- 3) Gypsum is stored in a covered raw material yard to reduce the fugitive dust emission.
- 4) Rs. 54.78 lakhs incurred for dust suppression by purchasing Sweeping machine.
- 5) Rs. 1.09 lakhs incurred to control the air pollution through replacement of bags in bag house and bag filters.
- 6) Rs. 0.19 lakh incurred in water and noise pollution control measures.
- 7) Rs. 0.52 lakh incurred in plantation to develop and maintain the green belt.

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## PART-I

### ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT

- 1) Monitoring of stack emission and ambient air and water quality is being done regularly as mentioned in consent to operate.
- 2) 3 Nos. of Ambient Air Quality Monitoring Systems have been installed at periphery of the plant.
- 3) Continuous Emission Monitoring Systems (CEMS) for PM have been installed at stack of Cement Mill and real time data transfer to Pollution Control Board server is being ensured.
- 4) Bag Filters have been installed at various material transfer points to control fugitive emissions.
- 5) Cement is being manufactured through dry process technology and there is no any effluent generated from the process hence maintaining Zero Liquid Discharge (ZLD) unit.
- 6) Fly ash purchased from nearby Thermal Power Plant and use for cement production of PPC.
- 7) Raw materials are stored in covered shed, product in closed silo with highly efficient Bag Filters for control of fugitive dust emission.
- 8) Proper housekeeping is being maintained with the help of Road Sweeping Machines.
- 9) Covered conveyor belts are provided for material transfer and are equipped with Bag filters at all material transfer points.
- 10) Cemented Road is constructed to avoid fugitive dust generation during the movement of vehicle.
- 11) Online Digital Water Level Recorder is installed for ground water level monitoring.
- 12) Industry has constructed 05 Nos. of Rain Water Harvesting Structures in plant to recharge ground water.
- 13) Total 12053 nos. of tree sapling have been planted inside the plant premises by covering 2.64 ha. area and achieved the ~33% of greenbelt/ plantation area. Total plant area is 8.06 hectares.

Yours truly,

J K Cement Limited Balasinor

  
**Rajneesh Sharma**  
 (Unit Head)

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**JKSuper**  
 cement  
 BUILD STRONG

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