JK White, Katni
(A Unit of JK Cement Ltd.)
CIN: L17229UP1994PLC017199
Village - Rupaund, Tehsil - Badwara, Dist. - Katni, Madhya Pradesh 483773
Ph.: (07622) 298052, E-mail: katni@jkcement.com
www.jkcement.com

Upload Online

JKWK/ENV/ESD/13 **Date: 07.06.2025**

Member Secretary,
M.P. State Pollution Control Board,
Paryavaran Parisar, E-5,
Area Colony, Bhopal-16

Sub.: Environmental Statement – Form- V of **M/s J.K. White, Katni (Unit of JK Cement Ltd.), PCB ID 29413, Orange Category.**

Dear Sir,
We hereby submit Environmental Statement Report (Form– V) for **JK White, Katni (Pre-Mix Dry Mortar)** for the year 2024-25 (April 2024 to March 2025 as per notification no. G.S.R. 329 (E), dt. 13th March 1992 and G.S.R. 386 (E), dt. 22nd April 1993 of Ministry of Environment and Forest (as per section 25 of the Water (Prevention & Control of Pollution) Act 1974, Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Environment Protection Act, 1986 of Govt. of India.

We hope you will find the report in order to every aspect.

Thanking you,

Yours faithfully,
For J. K. White, Katni

Ashish Asopa

Unit Head

Enclosed: Form- V (Page2 to 13)

CC: The Regional Officer,
M.P. State Pollution Control Board
HIG-4, Housing Board Colony, Jiahnri.
Katni-483501 (MP)

ENVIRONMENT STATEMENT
2024 – 2025

JK CEMENT
WallMaxX
White Cement Based Putty

M/s J. K. WHITE, Katni

Village: Rupaund, Tehsil: Badwara, District: Katni (MP)-483773

INTRODUCTION

Environmental regulation regimes globally have been command and control based, focusing primary on end-pipe measures. The success of the first generation of environmental law and policy has been limited. The Environmental Statement Report is an approach to boost up the environmental performance.

Man is a part of nature, and not separate or independent; at the same time, man is unique in the influence he has over nature. Man derives all his food, clothing, shelter and other amenities from nature. In that process, if he does not take care to protect and cherish nature, but decrease or destroys, he will find that his own life and that of his children is in jeopardy.

The environment is now a catch for all, the industry, the Government, the people. Hence, it is a joint responsibility to protect, preserve the environment and avoid perishing of natural treasures. At this critical juncture of time the Indian industry has fulfilled its commitment in maintaining the environmental integrity.

Adding the "ism" is designed to bring down science to the level of pseudoscience such as Marxism or creationism. Making environment synonymous to love for nature is science and philosophy combined but shouting concern about environmentalism is nothing but hypocrisy. Because, the environment requires respect, dedication, devotion and designs for natural benefits: - means we need a management proposal, which ultimately provides a regular guidance.

Environment is an article of faith and environmentalism is the offering to this faith. The ecological complexities of the environment made its study as a science in itself. And once we accept it, as a scientist we first test it and then trust it. In case of environmental protection what we test, frankly speaking, we test ourselves. With this objective we analyse and check our system to gain and guarantee the system functions. In environmental conservation and protection scenario this philosophy is now termed as environmental statement and Audits (ES/EA).

The JK White, Katni is one such industry adopting the above-referred system and techniques and deploying all the possible efforts at every level.

The putty manufacturing process is a dry mix process. It does not generate any flue gases & no effluent is generated. The process does not require water & hence there is zero discharge of effluents. Thus we can say the impact of putty manufacturing process on the environment is negligible. Water will be required for domestic purpose & green belt development.

The next few pages of this ESR of JK White, Katni present a picture of more optimism for environmental care than ever before. This is the Sustainable Development and this Environmental Science with no "ism" but a Complete Environment Management System.

PART - A

General Information

1**. (a) Name of the Industry**	J. K. White, Katni (A Unit of J. K. Cement Ltd.)
(b) Registered Office	J. K. House, Kamla Tower Kanpur (U.P.) Pin – 208001
(c) Unit Head Works	Mr. Ashish Asopa
2. Industry Category	Orange Pre-Mix Dry Mortars (Wall Putty) plant
3. Production Capacity	700000 TPA
4. Year of Establishment and production Start	2015_2016,26th May 2016
5. Date of last Environmental Statement submitted	14.06.2024
6. Wall Putty (including other Skim coat & Allied Products) produced during the financial year 2024-25	481411 MT

PLANT SITE – LOCATION AND GEOGRAPHY

The Site is located at Latitude 23.7284°N and Longitude 80.5552°E

PART - B

Water and Raw Material Consumption

Water consumption (Kl/day)

Year	Industrial Use	Domestic
2024-25	1599.47	19088.22

Name of the product	Water consumption / unit of product (m^3/Ton)
Wall Putty	2024-25
	0.043 Kl/Ton

1. Total Raw Material Consumption

Name of the raw Material	Name of the product	Consumption of raw material per unit of Wall Putty (per Ton)
		2024-25
Dolomite	Wall Putty (including other Skim coat & Allied Products)	0.8384
White Cement		0.1298
Clay		0.0010
Hydrated Lime		0.0022
Additives		0.0129
Quartz Sand/Marble		0.0157
Raw material consumption / Ton of Putty		**1.000**

2. Average stock of raw materials (As on 31/03/2025)

SI. No.	Material	Quantity (Tons) (Approx.) As on 31/3/2025
1	Dolomite	90802
2	Cement	4490
3	Clay	12
4	Hydrated Lime	211
5	Additive	836
6	Quartz Sand/Marble	1014

PART - C

Pollution Generated

(Parameters as specified in the consent issued)

A. WATER QUALITY MONITORING
(Annual Average: from April 2024 to March 2025)

No industrial Effluent is generated; however domestic sewage water is Treated through STP. Water Quality monitoring details of STP Outlet: -

Sr. No	Parameters	Result	Unit
1	Feacal Coliform	28.8	mpn/100ml
2	COD	110	mg/L
3	BOD	34	mg/L

B. AMBIENT AIR QUALITY MONITORING
(Annual Average: from April 2024 to March 2025)

Parameters ($\mu g/m^3$)	Monitoring Station (300 Mtr. far from Main Stack)			prescribed standards Annual ($\mu g/m^3$)	Percentage of variation from prescribed standards with reasons
	Pump House	Main Gate	Crusher Area		
RSPM	75.99	56.3	55.2	100	Under permissible limit

STACK MONITORING RESULTS

Sl. No.	Type of pollution control measures	Location	Emission level of PM mg/Nm^3
1.	Bag Filter	Crusher	28.2
2.	Bag Filter	Packing Plant	27.6
3.	Bag Filter	Dolomite Mill	28.9

PART - D

Hazardous Waste

(As specified under Hazardous Waste Management & Handling Rules, 1989) amendment as 2003

Hazardous Waste	**Total Quantity**
	During the previous financial year (2024-2025)
	Category 5.1 (Used /Spent Oil)
1. From Process	1.920 MT
2. From Pollution Control Facilities	Nil

PART - E

Total Solid Waste Generated

Solid Waste	**Total Quantity in Tons**	
	2024-2025	
(a) From Process	Nil	
(b) From Pollution Control Facilities	Nil	
(c) (1) Quantity Recycled or Reused	Nil	
(2) Sold	Nil	
(3) Disposed	Nil	

PART - F

Please specify the characteristic (in terms of composition and quantum) of Hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of waste.

Specification About The Hazardous As Well As Solid Waste And Indicate Disposal Practice Adopted for Both the Categories **(Per Unit production)**			
Concentration	**Nil**	**Quality**	**Remark**
A. Hazardous Waste (under HWM&H Rules, 1989) amendment as 2003 (Total Quantity of Hazardous Waste in 2024-25) Cat. 5.1 (KL) Used/ Spent Oil* 2.880 MT * Disposal of waste as per the authorization **B. Solid Waste-** NIL			

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production

The part 'G' reflects the Picture of successful strategy for waste and pollution management. If calculated on annual basis and if not collected through the pollution control and other such facilities for waste minimization, it can reach high level, which would be a direct wastage of natural resources and even energy used in the process if not reused. The total recycling of the return dust from the crusher and mills bears a direct impact of saving on such resources.

Apart from it, the resource conservation has been achieved by minimization of the spillage; check at transfer points and many other efforts.

In general the approach of the company, to control the pollution has directly resulted conservation of natural resources like mineral, water and fuel.

PART – H

Additional measures / investment proposal for Environmental protection including abatement of pollution, prevention of pollution

EXPENDITURE ON ENVIRONMENT MANAGEMENT (2024-25)

S. NO.	Heads	Cost (In Lakhs) Rs.
1.	Plant Cleaning & Sweeping Expenses	52.45
2.	Gardening Expenses	17.64
3.	ISO – Expenses	3.25
4.	Environment Management & Online monitoring system	16.88
5.	Environment Lab	0.61
Total Rs.		90.83

PROPOSED EXPENDITURE ON ENVIRONMENT MANAGEMENT **(2025-26)**

SI. NO.	Heads	Cost (In Lakhs) Rs.
1.	Plant Cleaning & Sweeping Expenses	53.58
2.	Gardening Expenses	20.45
3.	ISO – Expenses	2.74
4.	Environment Management & Online Monitoring system	17.36
5.	Environment Lab	1.10
Total Rs.		95.23

Environment Protection Cell

1) Name : Ashish Asopa.
   Designation : Unit Head.

2) Name : Rahul Dwivedi (Energy Manager)
   Designation : Sr. Manager
   Qualification : B.E Electronic Instrumentation & Control.

3) Name :Aditya Kumar
   Designation : Manager
   Qualification : B.E Mechanical.

4) Name : Rahul Gupta
   Designation : Asst. Manager
   Qualification : PG Diploma Industrial Safety.

Environment Management Cell

Personnel	Capacity
1. Mr. Ashish Asopa.	Unit Head.
2. Mr. Rahul Dwivedi	Management Representative
3. Mr. Rahul Gupta	Asst. Manager
4. Mr. Brijesh Tiwari	Dy.. Manager
5. Mr. Haribhajan Shukla	Dy. Manager
6. Mr. Praveen Kumar Singh	Manager
7. Mr. Mangal Nayak	Senior Draftsman
8. Mr. Naval Kishore	Asst. Manager

EQUIPMENT FOR ENVIRONMENTAL MONITORING

S. No.	Equipment	No.	Status
1	Respirable Dust Sampler	1	OK
2	Noise Meter	1	OK
3	Stack Monitoring Kit	1	OK

GREEN BELT DEVELOPMENT STATUS

Plantation Details

Break up for 2024-2025 plantations

S. No.	Sites	Number	% Survival
1.	Factory Area	2200	**80 %**
2.	Outside Plant boundary	1800	
3.	On Road Sides	50	
Total		**4050**	

PART – I

Any other particulars for improving the quality of the environment

This part reflects the total inputs by the organizations and total effective output of the intensions, commitments and achievements of the industry regarding environment management.
The separate section of Environmental Management of J.K. White, Katni is responsible for J. K. White, Katni to maintain the environmentally sound production. Other key factor is discussed in this chapter, which tells the truth of the strength of the industry.

Initiatives towards improvement of Environment:

1. Installed the telescopic chute to reduce the dust emission through minimize the ground clearance of the material height.
2. Entire area of the Plant covered by concrete floor to prevent soil contamination.
3. Complete flooring for all Raw Material storage.
4. Reducing the Water wastage through water sprinkler.
5. Water Harvesting and Water Conservation method follows as per the norms.
6. Maintain the greenery inside the plant.

SECTION – A

THE ENVIRONMENTAL EXPERTISE & IMPLEMENTATION

1. **The Environment Management Cell:**

   The JK White, Katni has a good Environment Management System consist Environmental Protection Cell, which is responsible for regular monitoring of air, water and noise pollution, maintenance of pollution control equipment, regular checkup leakage points and spillage, waste management, compile and fulfill the regulatory requirement, green belt development.

2. **Green Belt Development:**

   The industry is committed to make greenery in the premises, around the entire plant and on outer rim of the complex. **Plantation of 4050 trees done in plant and near by area.** In previous year we planted 7500 trees around the plant boundary and road side. This trend will continue in future also.

   There is an increasing trend of strengthening efforts for plantation since last year. The company has strategic and scientific Green Belt Development criteria with selection of the plant species having large leaf area, locally suitable plant species, large canopy and fast growing capacity.

4. **Noise Levels:**

   In the putty plant, noise is generated in various machines such as crusher, grinding mill, fans, blowers, compressors etc. The ambient noise level of the plant at specific located points is below the standard prescribed by statutory authority. The complete plant is automatic; normally no person is near the operating machine during operation. The work-men are provided with Personnel Protective Equipment (PPE), so that they do not get high sound exposure when they are working near machines. Besides this The JK White, Katni monitor the noise level at various locations of the plant on regular basis. Additionally, we regularly monitor the Ambient Noise Level in the factory premises as per the requirement of Environment Protection Act 1986 and ensured that the ambient noise level is under the permissible limit.

Noise Levels in dB (A) at Different Sites

(Sites located at boundary wall)
(From Apr.-2024 to Mar.-2025)

S. No.	Site	Annual Average Noise Levels in dB (A) Leq	
		Day Time (6:00 am to 10:00 pm)	Night Time (10:00 pm to 6:00 am)
1	Near Main Gate	51.2	49.4
2	Near Loading Area	66.08	56
3	Near Crusher	61	69.3
4	Near Pump House inside plant	59.7	53.3

E= East, W= West, S= South, N= North

SECTION –B

ENERGY CONSERVATION MEASURES

ENERGY AND RESOURCE MANAGEMENT

Head		2024-25
A. Energy & Resources		
1. Electrical energy KWh/Ton Wall putty		27.53
B. Raw Materials		
1. Total Minerals Materials used / ton Wall Putty		0.987
2. Water consumption / unit of product m^3/Ton		0.043 kl/Ton

SECTION – C

CONSUMPTION OF RESOURCES FOR ENERGY GENERATION (YEAR 2024-25)

SI. No.	Particulars	Unit	**2024-25**
1	Total Generation by Solar	KWh	1397806.00
2	Total Generation by D.G	KWh	46714.77
	Total Fuel Consumption in D.G.		
3	HSD	KL	16.14
	Total	**KL**	**16.14**
4	Total units purchased from MPEB	KWh	11695160

SECTION - D

RISK ANALYSIS AND MANAGEMENT

This industry is not involved in manufacture of any chemical or fiber or paper requiring hazardous raw material. However, since it is an industry, though small, has many processes / operations, hence the company has prepared plan for the emergency. It is important to take all precautions to prevent emergency.

The following points have been highlighted for the same:

1. Mock drills for handling all type Emergency Situation i.e. accidental relief, firefighting and evacuation of the crowd.
2. Well-defined roles and responsibilities for emergency response plan.
3. Well-arranged First aid, Medical services and ambulance in Factory premises.
4. Smoking prohibited all working and storage areas.
5. Daily Monitoring Conducting through plant round.
6. Daily Tool Box Conducting all respective workplace to prevent workplace hazard.
7. Incident / Accident Awareness organized for Awareness.
8. Safety Observation Tour (SOT) conducting All Department Representative.
9. Celebrated International Safety Day and other promotional Programs.
10. Monthly Theme Based Training Conducting for All JK White Katni Staff and Worker.
11. Internal and External audit periodically.