ISO 9001 : 2015 (Excl. Design)
ISO 14001:2015
ISO : 45001:2018
ISO : 50001:2018
SA 8000:2014
BUREAU VERITAS Certifications

PRISM PLUS CHAMPION CEMENT
दूर की सोच

Ref: PJL/ENV/2025/F15//1008

Date: 29.09.2025

To,
The Member Secretary,
M.P. Pollution Control Board
Paryavaran Parisar
Sector E-5, Arera Colony
Bhopal (M.P.) - 462016

Sub: Submission of Environment Statement Reports (Form-V) for the FY24-25.

Dear Sir,

With reference to the above mentioned subject, we are herewith submitting the Environment Statement Reports of our Cement Plant Unit-I, Unit-II and Waste Heat Recovery System for the FY24-25.

Thanking You,

Yours faithfully,
For Prism Johnson Limited

Manoj Kumar
Vice President

Encl: As Above

CC: The Regional Director - MoEF&CC, Bhopal (M.P.)
The Regional Officer – MPPCB, Satna (M.P.)

FORM-V

(See Rule – 14)

Environment Statement for the financial year ending the 31st March 2025

PART – A

i.	Name & Address of the owner /occupier of the industry, operation or process	:	**MANISH SINGH** **President & Plant Head** **PRISM JOHNSON LIMITED (Unit-II)** Village - Mankahari, Post – Bathia, Dist. – Satna (M.P.)
ii.	Industry category Primary (STC) Code Secondary (SIC) Code	:	CEMENT PLANT (Large Scale) & DG 1 X 6 MW
iii.	Production Capacity (Units) Generation of Electricity (1*6 M.W)	:	6.7 Million Tons/ Year Cement 3.0 Million Tons/ Year Clinker 6 MW
iv.	Year of Establishment	:	2011 & DG 2000
v.	Date of the last Environment Statement Submitted	:	27.09.2024

PART – B

Water and Raw Material Consumption

(I) Water Consumption m^3/d

Process	:	NIL
Cooling	:	630 m^3/d (yearly average)
Domestic	:	290 m^3/d (As per CTO) *
Plantation / Horticulture	:	250 m^3/d (As per CTO)

Name of Product	**Process water consumption per unit of product output**	
	During FY (01.04.23-31.03.24)	During FY (01.04.24 – 31.03.25)
1. Cement	NIL	NIL
2. Electricity	0.000636 m3/Kwh	0.001116 m3/Kwh

* Domestic water mentioned above is inclusive of domestic water consumption of Cement Plant Unit-I & DG Sets & colony (common townships for both units). Average domestic water consumption is 266 m^3/d.

(I) Raw Material Consumption

Name of Raw Material	Name of Product	Consumption of raw material per unit of output	
		During FY (01.04.23-31.03.24)	During FY (01.04.24-31.03.25)
Crushed Limestone	Clinker	1.4260 MT/MT of Clinker	1.4601 MT/MT of Clinker
Iron Ore/ Bauxite/ High alumina/ sweetener	Clinker	0.0672 MT/MT of Clinker	0.0651 MT/MT of Clinker
Coal	Clinker	0.0357 MT/MT of Clinker	0.0758 MT/MT of Clinker
Petcoke	Clinker	0.0727 MT/MT of Clinker	0.0407 MT/MT of Clinker
DG set (1 X 6 MW)*			
Lube Oil	Electricity	0.01034 Lit/kWh	0 Lit/kWh
Furnace Oil	Electricity	0.30594 Lit/kWh	0.3556 Lit/kWh

*****DG set is stand by unit & used only in black out condition. Main power supply is from MPEB grid & renewable energy sources such as WHRS & Solar. Total running hour of DG set is 5.5 hour in FY24-25. Therefore, monitoring was not carried out.

Name of Raw Materials	Name of Products	Consumption of raw material per unit of output	
		During FY (01.04.23 – 31.03.24)	During FY (01.04.24 – 31.03.25)
Clinker	Cement	0.6869 MT /MT of Cement	0.6732 MT /MT of Cement
Gypsum	Cement	0.0504 MT /MT of Cement	0.0240 MT /MT of Cement
Fly Ash	Cement	0.2626 MT /MT of Cement	0.2680 MT /MT of Cement

Remark: Consumption of raw material based on gross cement (OPC + PPC).

PART – C

Pollution discharged to environment/ unit of output

(Parameter as specified in consent issued)

Pollutants	Quantity of Pollutants discharged (mass/day)	Concentration of Pollutants in Discharges (mass/volume)	Percentage of variation from prescribes standards with reason
(a) Water #	Please refer Annexure – I		
(b) Air *	Please refer Annexure – II		

No waste water discharged to the environment as Cement plant based on dry process based technology. Domestic effluent treated in sewage treatment plant and treated water reuse in horticulture. Treated water parameters are within prescribed limit. Details enclosed as Annexure – I.

* Air emission parameters are well within prescribed norms. Details enclosed as Annexure – II.

PART – D

Hazardous Wastes

(As specified under Hazardous Wastes (Management & Handling) Rules, 2016)

Hazardous wastes	Total Quantity (MT)	
	During FY (01.04.23-31.03.24)	During FY (01.04.24 – 31.03.25)
(a) From Process	23.685 MT	37.853 MT
(b) From Pollution Control Facilities	NIL	NIL
(a) From Process	(I) FO Sludge – Nil (II) Waste Lube Oil– Nil	(I) FO Sludge – Nil (II) Waste Lube Oil– Nil
(b)From Pollution Control Facilities	NIL	NIL

PART – E

Solid Wastes

Solid waste	Total Quantity (KG)	
	During FY (01.04.23 – 31.03.24)	During FY (01.04.24 – 31.03.25)
(a) From Process	NIL	NIL
(b) From Pollution Control Facilities	5285.91 Kg *(Sewage Sludge)	4605.86 Kg *(Sewage Sludge)
(c) 1) Quantity Recycles Or Re utilized within the unit	5285.91 Kg (Sewage Sludge)	4605.86 Kg (Sewage Sludge)
2) Sold	NIL	NIL
3) Disposed	NIL	NIL

* Common STP for treatment of domestic waste water generated from the domestic effluent. Treated water utilized for horticulture and sludge is being used as manure.

PART-F

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

- Total used/spent oil sold (disposed) was 37.853 MT during the financial year 01.04.24 to 31.03.25. Dust trapped in air pollution control equipment i.e. Baghouse/ESP is being recycled in processing for cement manufacturing.
- Sludge (4605.86 kg) generated from sewage treatment plant was utilized as manure for gardening and horticulture purpose inside the factory premises.
- In DG set Furnace oil sludge from underneath of separators is collected in 18 KL Mild steel storage tank by means of pump and closed pipe line. From where it is filled in the tanker &

sell to the authorized recycler under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Lube oil waste is collected in barrels of 210 Litre capacity and sold to the authorized recycler under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Since electricity is taken form MP state electricity board and from renewable energy sources installed in plant such as WHRS & solar and DG sets are in stand by unit, due to which the used oil and FO sludge generation was also less during the year.

- For hazardous waste reduction, we co-process hazardous waste & non-hazardous waste in calciner as AFR. Liquid waste is fed directly to the calciner while for solid waste we have installed pre – processing system comprising shredder, magnetic separator, screening, weigh feeder, conveyor etc. and fully mechanized feeding system. In the line of same, we have co-processed 4484.16 MT of liquid waste and 58267 MT of solid waste in unit-2 in FY2024-25which includes wooden waste, agriculture waste, biomass etc.

PART – G

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

- The main pollutant generated from cement plant is Particulate matter. To maintain emission norms within prescribed limit following pollution control equipment's have been installed right from commissioning of plant.

S. No.	Particular	Pollution Control Equipment
1.	Raw Mill/ Kiln	Reverse air bag house
2.	Cooler	ESP
3.	Coal Mill	Bag Filter
4.	Cement Mills	Bag Filter

- Currently more than 125 bag filters have been installed in plant unit-2 at different transfer points for control of fugitive emission and as per requirements 12 more new bag filters are added at clinker silo & cement mill.

- All the above mentioned pollution control equipment were promptly maintained and operated to meet the norms given by Pollution Control Board. It also helped us for maximum utilization of all raw materials in cement production since lime and other dust is retained by pollution control equipment and same is utilized for making cement.

- To maintain the housekeeping there are truck mounted machine, vacuum cleaner, road sweeping machine provided. Collected dust is being charged in raw material yard for cement manufacturing. All the major APCEs are interlocked with its respective units to follow the concept of cleaner technology & conservation of natural resources. To reduce NOx emission Low NOx burner and Selective non-catalytic reactor (SNCR) have been installed in the plant.

- Online Monitoring Systems of Ambient Air Quality as well as stack emission monitoring stations CEMS installed in 5 stacks were also operative during the year.

- In FY24-25 we have used 9,61,246 MT of fly ash in the unit-2 cement production.

- Industry have Sewage Treatment Plant of 600 KLD capacity. This treatment plant was properly operated & maintained during last financial year. In FY 2024-25 total 1,18,092 KL water treated. Treated waste water from STP was utilized in gardening for horticulture purpose. It helps in reducing ground water

demand and subsequently helping for water conservation.

- Plastic waste, which is a threat to the environment, is also being burnt in our cement kiln. Around 38371 MT of plastic waste was burned under Plastic Waste Management Rule 2016 during the FY 2024-25.
- Increased thermal substitution rate (TSR) 8.26% by the co-processing of solid & liquid waste (hazardous waste) as AFR.
- 34.2% of our total energy consumption is sourced from WHRS and other renewable sources (Solar). Promoting renewable energy, we are currently producing 22.45 MWh using WHRS. In addition, we have installed solar power plant in our colony and mines area of 30 MW. Working in the field of green energy our industry has completed the expansion of solar by allotting 7.5 acres of area for the solar panel installation which contributes 8 MW of energy.
- The DG Sets installed in Prism Cement is of state of art technology. Mainly furnace oil, diesel & cooling water are used in DG Sets for generation of electricity. After processing of cooling water, its temperature increases which is re-circulated to cooling tower, after cooling of water it is again utilized. Thus it helps in reducing water demand. Strict measures are taken to avoid any type of spillage. Utmost thrust is given to produce electricity by using lesser amount of furnace oil.
- Auxiliary power consumption in DG sets has been reduced by optimizing the preheated water temperature and heating of only three engines at a time instead of all the engines.

PART – H

Additional Measures/ investment proposal for environment protection including abatement of pollution, prevention of pollution.

- **Rainwater Harvesting & Water Positivity:** Extensive efforts have been undertaken for rainwater harvesting. In FY 2024–25, 2 new groundwater recharge structures were constructed. At present, the plant has 13 rooftop rainwater harvesting systems and 12 groundwater recharge soak pits. Additionally, storm drains in the colony have been diverted to recharge pits. The total groundwater recharge in FY 2024–25 was 2,06,736 m^3**,** making Prism 4.29 times water positive during the year. Photographs of RWH structure is attached in **Annexure III**.
- **Dust Suppression & Fugitive Emission Control:** To improve housekeeping and minimize fugitive emissions, the plant has deployed:
  - **1 truck-mounted road sweeping machine**
  - **2 ride-on road sweeping machines**
  - **6 fog cannon machines** across the plant premises

  In addition, a sufficient number of water tankers are engaged for dust suppression on haul and approach roads. Daily water sprinkling is also carried out to further reduce dust generation.

- **World Environment Day & Environment Week 2024:** Prism celebrated World Environment Day (June 5, 2024) with a wide range of awareness and engagement activities under the theme *"*Land Restoration, Desertification, and Drought Resilience*."*. Key highlights included:
  - **Competitions:** Slogan Writing, Poster Making, and Quiz competitions for employees and families.

- **Awareness Campaigns:**
  - 31.05.2024 – *"No Single-Use Plastic"* awareness campaign.
  - 01.06.2024 – *Run for Environment.*
  - 02.06.2024 – *Water Saving & Awareness Program*
  - 03.06.2024 – *No Vehicle Day,* where employees were encouraged to walk or cycle to work.
  - 04.06.2024 – *Online Summit on Water Conservation.*
  - 05.06.2024 – *Plantation & Oath Ceremony*
- **Run for the Environment:** A special event promoting health and eco-consciousness.
- **Distribution of Jute/Cotton Bags:** To reduce single-use plastics within the plant premises.

Note: Photographs of all WED programs is attached in **Annexure IV.**

➢ Our industry has been recognized with several prestigious awards for its excellence in multiple domain.

- PJL won **Platinum Award** in **Environment Excellence Category** in Green Enviro Environment Award 2025.
- PJL declared winner of 24th Global Greentech Environment & Sustainability Awards 2025 for outstanding achievements in the **Environment Protection category.**
- Prism Johnson Limited won **Platinum Award** in **Environment Excellence Award** (Cement Sector) in Apex India Green Leaf Award 2024.

Note: Photographs of all awards is enclosed in **Annexure V.**

PART – I

Any other particulars for improving the quality of environment.

- **Plantation for Environmental Protection:** Improving the quality of the environment through large-scale plantation has always been our top priority. To compensate for CO_2 emissions, during the financial year ending 31st March 2025, we planted approximately 36,566 saplings inside the plant, colony, and mining areas, along with 5,200 saplings under CSR initiatives. Cumulatively, up to this financial year, we have planted a total of 12,68,585 saplings.
- **Beema Bamboo Cultivation Initiative:** As part of our ongoing commitment to sustainability, our industry has undertaken the large-scale cultivation of Beema Bamboo. Currently, 90 acres of plantation have been developed, with a long-term vision to expand up to 1,000 acres.
- **Eco-Friendly Energy Substitution:** Beema Bamboo is recognized for its rapid growth and high calorific value upon combustion, making it an eco-friendly substitute for coal in our kilns. This strategic initiative not only helps in reducing carbon emissions but also strengthens our commitment to adopting green and renewable energy sources.
- **Implementation & Progress:** To promote this initiative, plantation patches have been developed in nearby villages such as Medhi, Sijahata, Hinauti, and Baghai. In FY 2023–24, we planted 67,052 Beema Bamboo saplings with a survival rate of 90%. In FY 2024–25, we expanded further with 1,300 additional saplings, achieving a survival rate of 80%. Going forward, our plan is to utilize Beema Bamboo as Solid Alternative Fuel & Raw Material (AFR) in our operations.
- **GreenPro Certified Products for Sustainability:** Prism Johnson Limited's Portland Pozzolana Cement (PPC) – including Champion, Champion Plus, Duratech, and All Weather Gold Shield variants – manufactured at Satna, Madhya Pradesh, has been awarded the **GreenPro Ecolabel certification**, valid till December 2027. This certification recognizes that our cement qualifies as a **Green Product**, promoting

sustainable construction practices by ensuring reduced environmental impact, energy efficiency, and resource conservation. Through the production and supply of GreenPro certified cement, we are contributing towards eco-friendly infrastructure development and supporting India's transition towards a low-carbon economy. Photograph of award receiving is attached in **Annexure VI.**

The above efforts would certainly help in improving the quality of environment.

For Prism Johnson Ltd.

for **Manoj Kumar**
Vice President

Expenditure for Environmental Management during the Financial Year 2024-25

Particulars	Cost (in Cr.)
Maintenance cost for operating air pollution controlling equipment's	2.76
APCE power consumption cost	15.61
STP Operation & maintenance	0.31
House Keeping	0.52
Plantations, Maintenance & survival	0.24
Environmental Study/Audit	0.14
Environmental Monitoring & Compliance	0.53
License/Permission	0.9
Others (RWH structure maintenance, Poster /Slogan etc.)	0.074
CEMS/ AAQMS Maintenance Cost	0.30
Expenditure from mines dept.	0.81
Total	**22.18**

Remark: Expenditure mentioned in the table is for combine plant considering unit-1 & 2 both.

Annexure - I

PRISM CEMENT LIMITED

Mankahari, Satna (M.P.)

DETAILS OF TREATED WASTE WATER POLLUTANTS DISCHARGED

YEAR- APRIL 2024 TO MARCH 2025

S.No.	Effluent characteristics	*Quantity of pollutants discharged (mass/day)	*Concentration of pollutants in discharges (mass/ volume)	Percentage of variation from prescribed standards with reason
1	2	3	4	5
1	BOD	2.45 Kg/ Day	15.48 Mg/Lit	- 48.41%
2	COD	8.49 Kg/ Day	51.90 Mg/Lit	- 79.24 %
3	SS	7.03 Kg/ Day	43.71 Mg/Lit	- 56.3 %

*** Values mentioned in the column 3 & 4 in the table are yearly average values.**

Annexure - II

PRISM CEMENT LIMITED

Mankahari, Satna (M.P.)

DETAILS OF AIR POLLUTANTS DISCHARGED

YEAR- APRIL 2024 TO MARCH 2025

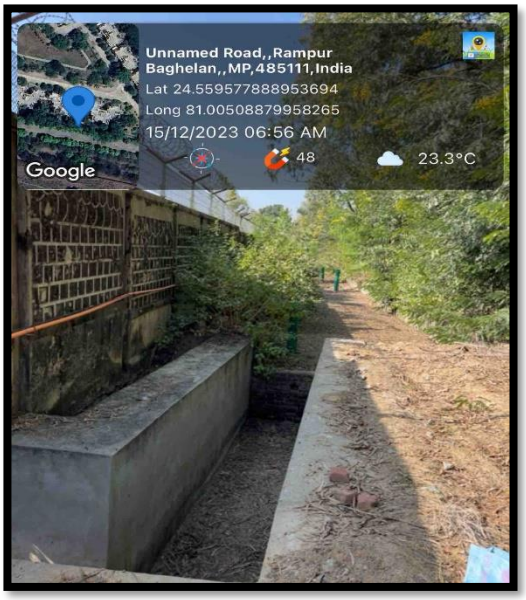
S.No.	Pollutant	Source of emission	*Quantity of pollutants discharged (mass/day)	*Concentration of pollutants in discharges (mass/ volume)	Percentage of Variation from prescribed standards with reason
1	2	3	4	5	6
1	PM SO_2 NO_x	Raw Mills + Kiln Bag House Stack	0.3097 T/Day 3.61 T/Day 6.025 T/Day	18.39 mg/Nm3 188.56 mg/Nm3 315.88 mg/Nm3	- 38.7 % - 73.1 % - 60.51 %
2	PM	Cooler ESP Stack	0.231 T/day	18.95 mg/Nm3	- 36.83 %
3	PM	Coal Mill Bag Filter Stack	0.0743 T/Day	17.80 mg/Nm3	- 40.66 %
4	PM	Cement Mill-1 ESP Stack	0.0066 T/Day	14.31 mg/Nm3	- 52.29%
5	PM	Cement Mill-2 ESP Stack	0.008 T/Day	16.20 mg/Nm3	- 46.01 %

*** Values mentioned in the column 4 & 5 in the table are yearly average values.**

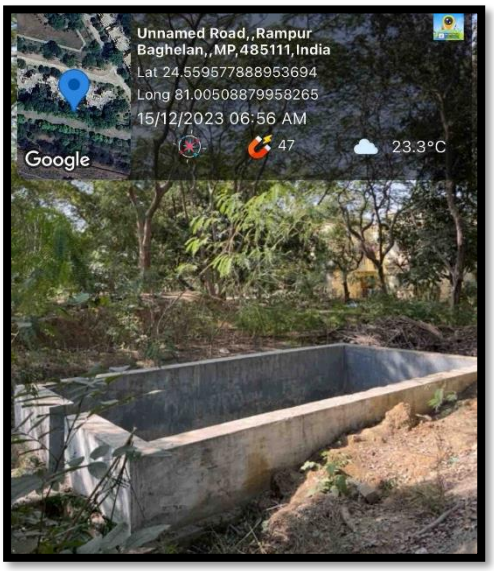
Annexure III

Rain Water Harvesting Structure

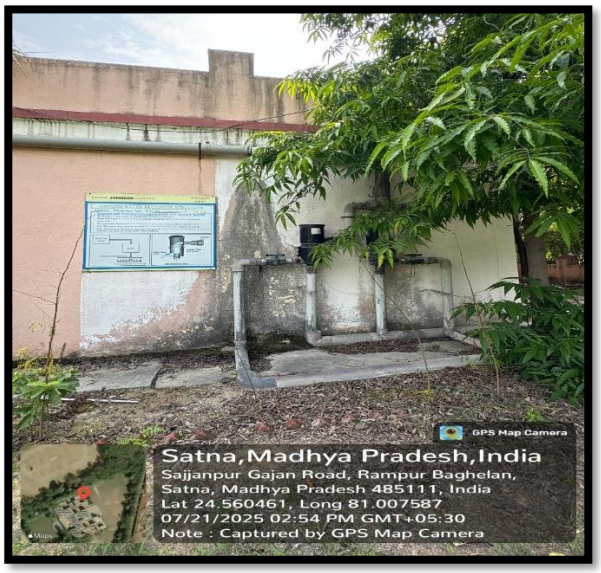
Double Recharge Shaft structure



Double Recharge Shaft structure connected to Storm Drain



Double Recharge Shaft structure



Roof Top Structures

Roof Top structure

Annexure IV

World Environment Day 2024

Stop Single Use Plastic-Awareness Program

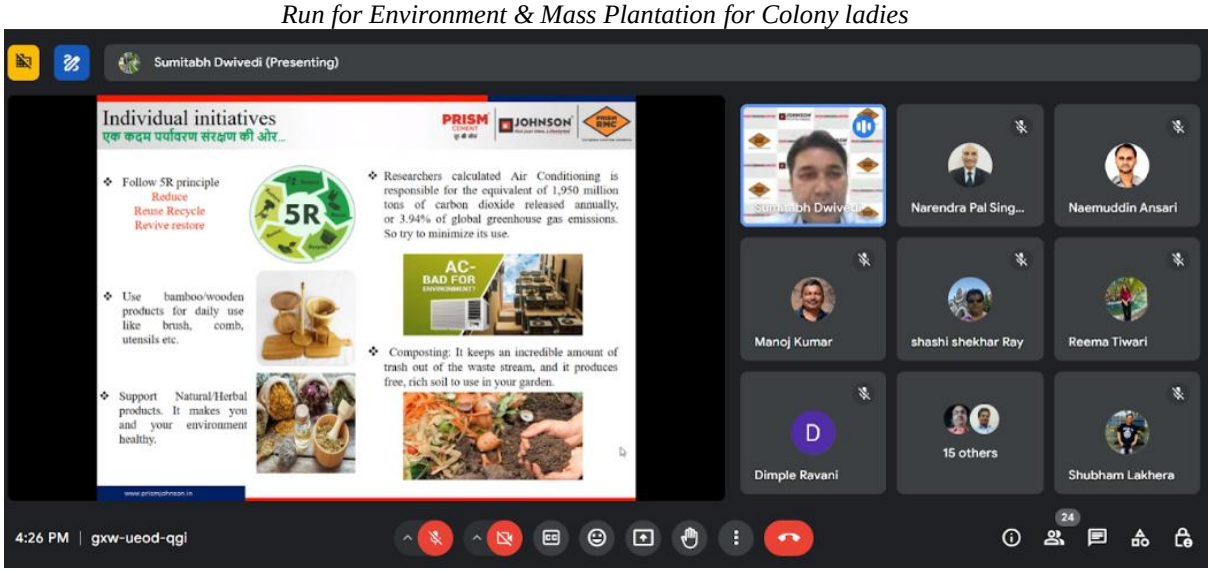
Quiz Competition on Environment Awareness

Jute & Cotton bag distribution to stop Plastic Pollution

No Vehicle Day to spread awareness about air pollution

Mass Plantation by PJL Employees

Run for Environment & Mass Plantation for Colony ladies



Online Summit to spread Awareness about Environment Conservation

Poster Competition for School Students & Quiz Competition

Plants distribution

Annexure IV

Awards & Recognition during FY24-25

Platinum Award in Environment Excellence Category

Winner for outstanding achievements in the Environment Protection category

Platinum Award in Environment Excellence Award

Annexure V

Green-Pro award: Prism Johnson Limited has been awarded by **GreenPro Ecolabel certification**, for Portland Pozzolana Cement (PPC) in Champion, Champion Plus, Duratech, and All Weather Gold Shield variants –valid till December 2027.