



दूर की सोच

Ref: PJJ/ENV/F15/2024/861

Date: 27.09.2024

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 FY23-24.

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 FY23-24.

This is for your kind information please.
Thanking You,

Yours faithfully,
For Prism Johnson Limited


Manoj Kumar Kashyap
Vice President

Encl: As Above

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

PRISM JOHNSON LIMITED
(Cement Division)



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CIN: L26942TG1992PLC014033

FORM-V

(See Rule – 14)

Environment Statement for the financial year ending the 31st March 2024

PART – A

- i. Name & Address of the owner /occupier of the industry, operation or process : **MANISH SINGH**
President & Plant Head
PRISM JOHNSON LIMITED
Waste Heat Recovery System (22.44 MW)
- ii. Industry category Primary (STC) Code : Waste Heat Recovery System
Secondary (SIC) Code : (Large Scale)
- iii. Production Capacity (Units) : 22.44 MW
- iv. Year of Establishment : November, 2020
- v. Date of the last Environment Statement Submitted : 08.09.2023

PART – B

Water and Raw Material Consumption

(I) Water Consumption m³/d

- Process : 132.21 m³/d (based on annual average)
- Cooling : NIL
- Domestic : NIL

Name of Product	Process water consumption per unit of product output	
	During FY (01.04.22 – 31.03.23)	During FY (01.04.23 – 31.03.24)
1. Electricity	0.5792325 L/KWh of Electricity	0.48421 L/KWh of Electricity

(I) Raw Material Consumption

Name of Raw Material	Name of Product	Consumption of raw material per unit of output	
		During FY (01.04.22-31.03.23)	During FY (01.04.23-31.03.24)
Steam	Electricity	0.0060 Tones/KWh of electricity	0.00589 Tones/KWh of electricity

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 #	NIL		
(b) Air *	Please see Annexure – I		

There is no waste water effluent discharge in to the Environment as we maintain zero liquid discharge policy. DM plant rejected water & boiler blow down water collected in neutralization pit to maintain the pH value and after neutralization water goes to utilization pit and treated water utilized in cooling and dust suppression purpose.

* Air quality is attached as Please see Annexure – I.

PART – D

Hazardous Wastes

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

Hazardous wastes	Total Quantity (MT)	
	During FY (01.04.22-31.03.23)	During FY (01.04.23-31.03.24)
(a) From Process	NIL	1.456
(b) From Pollution Control Facilities	NIL	NIL

PART – E

Solid Wastes

Solid waste	Total Quantity (KG)	
	During FY (01.04.22-31.03.23)	During FY (01.04.23-31.03.24)
(a) From Process	NIL	NIL
(b) From Pollution Control Facilities	NIL	NIL
(c) 1) Quantity Recycles or Re-utilized within the unit	NIL	NIL
2) Sold	NIL	NIL
3) Disposed	NIL	NIL

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.

In FY 2023-24 total 1.456 MT hazardous waste has been generated in waste heat recovery system, which 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.

PART – G

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

- All the 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.
- 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.
- 34.2% of our total energy consumption is sourced from WHRS and other renewable sources (Solar). In which, 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.

PART – II

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

- WHRS system is installed in the same plant premises hence for better housekeeping and to reduce fugitive emission we have 1 truck mounted road sweeping machine and 2 Ride & road sweeping machine to make the premises clean & dust free. Sufficient numbers of truck tankers for dust suppression on haul roads and approach roads. Along with that, water sprinkling for dust suppression is practiced daily in plant.
- Prism marked World Environment Day on June 5th with great enthusiasm, hosting a range of activities aimed at raising awareness about pollution prevention. The celebration featured various competitions, including Slogan Writing, Poster Making, and a Quiz, along with initiatives like the "No Single-Use Plastic" awareness campaign, an Online Summit, a Water Conservation awareness program, and a "No Vehicle Day." In line with this year's theme, "Land Restoration, Desertification, and Drought Resilience," we organized a "Run for the Environment" within the plant premises, encouraging active participation and awareness about the land restoration. Additionally, in-house training sessions on housekeeping and onsite awareness programs were conducted across different plant locations to ensure widespread engagement and impact.

PART – I

Any other particulars for improving the quality of environment.

As WHRS system is installed at the same premises hence for improving quality of environment, we did plantation work in large scale. To compensate CO2 emission, in the financial year ending 31st March 2024, approximately 35,621 plants were planted in plant and colony premises.

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

For Prism Johnson Ltd.




Manoj Kumar Kashyap
Vice President

Annexure - I

PRISM CEMENT LIMITED

Mankahari, Satna (M.P.)

DETAILS OF AIR POLLUTANTS DISCHARGED

YEAR- APRIL 2023 TO MARCH 2024

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	Cooler ESP Stack Unit I	0.193 T/day	22.80 mg/Nm ³	- 23.98 %
2	PM	Cooler ESP Stack Unit II	0.236 T/day	19.86 mg/Nm ³	- 33.8 %

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