JK Cement Works, Nimbahera
A unit of JK Cement Ltd.
CIN: L17229UP1994PLC017199
Kailash Nagar - 312617, Nimbahera Distt., Chittorgarh (Raj.) INDIA
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www.jkcement.com

NBH/PC/ESR/

Date: 24.09.2024

To,
The Member Secretary,
Rajasthan State Pollution Control Board,
4, Industrial Area, Jhalana Dungri
JAIPUR – 302004 (Raj)

Subject: Environmental Statement Report for the year FY 2023-2024 of Township along with Sewage Treatment plant at Kailash Nagar Colony of M/s J. K. Cement Works, Nimbahera, Tehsil: Nimbahera, Dist: Chittorgarh (Rajasthan).

Ref: 1. G (CPM) / 1000 / 4000 (1) / 2019-2020/ 2721-2723 and order no. 2019-2020 / CPM / 5560 dated 07/11/2019
2. F(CPM/Chittorgarh(Nimbahera)/4002(1)/2020-2021/1617-1619 and order no. 2021-2022/CPM/5715 dated 28/07/2021

Dear Sir,

Kindly refer to above subject matter, please find enclosed herewith Environment Statement Report of Township along with Sewage Treatment plant at Kailash Nagar Colony of M/s J. K. Cement Works, Nimbahera for the year FY 2023-2024 for your kind reference and record. We believe you will find the same in order.

Thanking You.

Yours Faithfully
For J.K. Cement Works, Nimbahera

Manish Toshniwal
President (Operations)

Encl: as above

Copy:

The Regional Officer, Rajasthan State Pollution Control Board, Near FCI Godown, Chanderiya-312021, Distt. - CHITTORGARH (RAJ)

ENVIRONMENTAL STATEMENT FORM - V

Environmental Statement for the financial year 2023-24, ending the 31st March 2024

PART-A

i. Name an address of the owner/occupier of the industry operation or process	**J.K. Cement Works, Nimbahera** **(Township along with Sewage Treatment Plant)** Kailash Nagar, Tehsil: Nimbahera, Chittorgarh (Rajasthan) PIN- 312617
ii. Industry category **Primary - (STC Code)** **Secondary - (STC Code)**	Primary
iii. Capacity	Plot Area- 72.20 HECTARE Sewage Treatment Plant- 500 KLD
iv. Year of establishment-	1975
v. Date of last environmental statement submitted	**22.09.2023**

PART-B

WATER AND RAW MATERIAL CONSUMPTION

i. **WATER CONSUMPTION in m3/day**

Process: Nil

Cooling: Nil

Drinking Domestic: - 147 m3/day from Ground Water, 594 m3/day from mines pit for domestic purpose

Name of products	Domestic & drinking water usage (KL)	
	During the current financial year (2022-23)	During the current financial year (2023-24)
1. Domestic & drinking water usage	GW-53853.00 SW-1,73,700.00	GW- 53851.77 SW- 216826

ii. **RAW MATERIAL CONSUMPTION**

Name of raw material	Name of products	Consumption of raw material per unit of output	
		During the previous financial year (2022-23)	During the current financial year (2023-24)
NA	NA	NA	NA

PART-C
POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT

Pollutants	Quantity of pollutants discharged	Concentration of pollutants in discharge	Percentage of variation from prescribed standards with reasons
(a) Water	The Domestic sewage generated from the township is being treated in STP and treated water is being used in greenery development.		
(b) Air	Not applicable		

Treated water analysis report (yearly average)

S.No.	PARAMETER	Standards	Average results
1	pH	Between 5.5 to 9.0	**7.65**
2	Total Suspended solids	Not to exceed 100 mg/l	**33.2**
3	Chemical Oxygen Demand	Not to exceed 250 mg/l	**121.1**
4	Biological Oxygen Demand (3 days at 27 Degree C)	Not to exceed 30 mg/l	**18.08**
5	Oil & Grease	Not to exceed 10 mg/l	**2.7**
6	Ammonical Nitrogen (as N)	Not to exceed 50 mg/l	**3.73**

PART-D
(As specified under Hazardous & Other Waste Management Rules-2016)

Hazardous waste	Total Quantity	
	During previous financial year	During current financial year

	(2021-22) (KL)	(2023-24) (KL)
(a) From process	Used oil (5.1)- 40.4* Waste oil (5.2)- 19.0*	Used oil (5.1)- 19.61 Waste oil (5.2)- Nil
(b) From pollution Control facilities	Not applicable	Not applicable

*including Cement Plant, CPP, WHRS, Mines & Colony. Hazardous waste generated are being sold to authorized recycler by CPCB.

PART-E

SOLID WASTE

		Total Quantity	
		During previous financial year (2022-23) (Ton per year)	**During current financial year (2023-24) (Ton per year)**
(a)	**From process**	NONE	NONE
(b)	**From pollution control facility**	9.5	9.05
(c)	**Quantity reutilized with in the unit**	100% dry sludge generated from STP is used as manure in horticulture and plantation purpose	100% dry sludge generated from STP is used as manure in horticulture and plantation purpose

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.

Sewage Treatment Plants receives sewage from the Residential colony. The solid waste (Sludge) generated is used in the form of manure in gardening / plantation purpose at colony and other landscaping areas.

PART-G

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

Rain water harvesting systems are constructed to recharge ground water. 100% utilization of treated water from STPs for gardening and horticulture activity within residential township to reduce the fresh water consumption.

PART-H

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

1) Financial budget planning includes planation cost for followed financial year.
2) 100% utilization of treated water from STPs for gardening and horticulture activity within residential township to reduce the fresh water consumption.
3) To utilize the mine pit water for domestic purpose, we have installed 1100 KLD Filtration Plant.

PART-I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT

1) As of FY 2020-21, a total of 106,162 sapling trees had survived in the residential area covering 41.80 hectares. In addition, we planted 11,653 saplings in FY 2021-22 and 8,077 saplings in FY 2022-23 to increase the density of the plantation. In FY 2023-24, we have planted an additional 7,587 saplings in the colony.
2) We have dedicated Horticulture department for Green Zone and landscaping development.
3) We have separate Environment Cell for environmental management and environmental monitoring.
4) Awareness program and training on waste management, water conservation, energy conservation for employees & their families, contractors, local community is being conducted on regular basis.

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