

MGR/PC/ESR/21

1264

Date: 17.09.2021

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 2020-2021 of Township along with Sewage Treatment plant at Sushila Nagar of M/s J. K. Cement Works, Mangrol, Tehsil: Nimbahera, Dist: Chittorgarh (Rajasthan).

Ref: F (CPM) / Chittorgarh (Nimbahera)/ 11(1)/ 2018 - 2019 /2727-2729 Order No. 2019 - 2020 / CPM / 5562 dated 07.11.2019.

Dear Sir,

Kindly refer to above subject matter, please find enclosed herewith Environment Statement Report of Township along with Sewage Treatment plant at Sushila Nagar of M/s J. K. Cement Works, Mangrol for the year FY 2020-2021 for your kind reference and record. We trust you will find the same in order.

Thanking You.

Yours Faithfully
For J.K. Cement Works, Mangrol



R. B. M. Tripathi
President(O) & Unit Head

Encl: as above.

Copy:

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



Corporate Office

Padam Tower, 19 DDA Community Centre
Okhla, Phase - 1, New Delhi - 110020, India

+011-49220000

admin.padamtower@jkcement.com

www.jkcement.com

**JK SUPER
CEMENT**
BUILD SAFE

Manufacturing Units at :

Nimbahera, Mangrol, Gotan (Rajasthan) | Muddapur (Karnataka)

Jharli (Haryana) | Katni (M.P.) | Aligarh (U.P.) | Balasinor (Gujarat)

**JK CEMENT
WallMaxX**
White Cement Wall Putty



ENVIRONMENTAL STATEMENT

FORM - V

Environmental Statement for the financial year 2020-21, ending the 31st March 2021

PART-A

i. Name an address of the owner/occupier of the industry operation or process	J.K. Cement Works, Mangrol Township along with sewage treatment plant situated Sushila Nagar, Mangrol C/o Kailash Nagar, Nimbahera Tehsil: Nimbahera, Chittorgarh (Rajasthan) PIN- 312617
ii. Industry category Primary - (STC Code) Secondary - (STC Code)	Primary
iii. Production capacity/Area	Total Area : 22.47 hector. Buildup area : 19967.80 Sq.Mtr. Sewage Treatment Plant : 200 KLD
iv. Year of establishment- (UNIT WISE)	Year 2015
v. Date of last environmental statement submitted	15 th September 2020

PART-B

WATER AND RAW MATERIAL CONSUMPTION

i. WATER CONSUMPTION in m³/day

Process	: -	NIL
Cooling	: -	NIL
Domestic	: -	240 m ³ /day

Name of products	Water consumption (For Domestic & Drinking)	
	During the previous financial year (2019-20) (KL/ANNUM)	During the current financial year (2020-21) (KL/ANNUM)
For Domestic & Drinking	30099	36335.34

ii. **RAW MATERIAL CONSUMPTION**

Not applicable

PART-C

POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT

Pollutants	Quantity of pollutants discharged (Ton/Day)	Concentration of pollutants in discharge (mg/Nm3)	Percentage of variation from prescribed standards with reasons		
(a) Water	Domestic waste water generated from the colony and canteen is being treated in STP and treated water used in plantation & horticulture purpose within the premises.				
(b) Air	Not applicable				
Ambient Air Quality (yearly average) in µg/m³ *					
Location	Parameters				
	PM10	PM2.5	SO2	NOx	CO (in mg/m³)
Near Time Office	52.3	38.0	19.9	23.4	678.0
Near Thermal Power Plant	57.5	40.8	21.6	24.0	738.6
Near Factory Gate	60.5	41.5	22.0	23.8	745.8
Near Colony Gate	52.6	37.4	21.2	23.8	705.4

* common for plant & colony

STP treated water quality data

STP treated water Quality		
Parameters	Standards	Average results of YTD
pH	Between 5.5 to 9.0	7.53
Total Suspended solids	Not to exceed 100 mg/l	8.11
Biological Oxygen Demand (3 days at 27 Degree C)	Not to exceed 30 mg/l	2.7
Chemical Oxygen Demand	Not to exceed 250 mg/l	12.6
Oil & Grease	Not to exceed 10 mg/l	2.03
Ammonical Nitrogen (as N)	Not to exceed 50 mg/l	<1.0
Sulphide (as S)	Not to exceed 2.0 mg/l	<0.10
Total Residual Chlorine	Not to exceed 1.0 mg/l	<0.1

Noise level monitoring data

Month	Noise Monitoring Report FY 2020-21							
	Near Time office		Near Thermal Power Plant		Near Raw material Gate		Near Packing Plant Gate	
	Day	Night	Day	Night	Day	Night	Day	Night
Apr-20	64.5	52.4	68.2	56.7	70.2	59.8	62.8	52.8
May-20	63.9	56.3	69.4	57.9	72.1	58.4	64.3	52.6
Jun-20	65.8	54.7	70.1	58.3	69.6	56.8	66.7	55.4
Jul-20	64.9	56.2	67.5	56.1	68.8	57.7	68.5	53.8
Aug-20	66.4	56.7	69	57.2	69.7	57.9	67.4	56.1
Sep-20	69.3	57.4	67.8	54.6	70.2	58.2	65.9	54.7
Oct-20	66	53.9	68.1	58.3	70.1	58.3	70.5	60.8
Nov-20	67.2	54.2	67.3	56.9	71.3	57.9	71.3	60.1
Dec-20	65.6	53.9	68.9	57.6	69.9	56.8	68.9	58.3
Jan-21	68.2	54.2	69.3	56.3	67.5	57.5	65.2	52.8
Feb-21	67.9	52.4	69.2	56.4	68.4	58.6	68	56.2
Mar-21	66.9	52.9	68.8	56.2	70.2	59.3	67.8	55.4
YTD	66.38	54.6	68.63	56.87	69.83	58.10	67.27	55.75

PART-D

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

Hazardous waste	Total Quantity	
	During previous financial year (2019-20) (KL)	During current financial year (2020-21) (KL)
(a) From process	Used oil (5.1)- 9.40 * Waste oil (5.2)- NIL	Used oil (5.1)- 34.80* Waste oil (5.2)- NIL
(b) From pollution Control facilities	Not applicable	Not applicable

*including Cement Plant L-1,2, 3, CPP, WHRS, Mines & Colony. Hazardous waste generated are being sold through authorized recycler by CPCB.

PART-E

SOLID WASTE

		Total Quantity	
		During previous financial year (2019-20) (MT/Year)	During current financial year (2020-21) (MT/Year)
(a)	From process	Nil	Nil
(b)	From pollution control facility (STP Sludge)	2.1	3.5
(c)	Quantity reutilized with in the unit	100%	100%

* Only sludge is being generated from Sewage Treatment Plant, which is utilization in plantation as a manure.

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.

Not Applicable

PART-G

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

Water is mainly used by residents of colony and in plant for drinking & domestic purposes. Waste water generated as domestic Sewage and same treated in STP installed at Sushila Nagar. The Sewage Treatment Plant Installed Capacity is 200 M³ per day. Treated water is being utilizing for horticulture purpose within the premises.

PART-H

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

- 1) Continuous Ambient Air Quality Monitoring Systems (CAAQMS) has been installed in colony.

PART-I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT

- 1) Monitoring of water quality is being done regularly as mentioned in consent to operate.
- 2) Domestic waste water generated is being treated in sewage treatment plant (STP). Treated water is utilized for plantation/horticulture development, hence maintaining Zero Liquid Discharge unit.
- 3) Proper Housekeeping and cleaning is being done with the help of three road sweeping machines.
- 4) 16 Rain water harvesting structures have been constructed in plant and colony area to recharge ground water.
- 5) Cemented road constructed to avoid fugitive dust generation during the movement of vehicle.
- 6) Telemetry system installed for online ground water level monitoring.
- 7) Total nos of tree in colony up to March 2021 is 25571 nos.
- 8) More than 33 % area covered with green belt.
