

Regd.AD.

JK Cement LTD.

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J.K. Cement Works
Kailash Nagar - 312617, Nimbahera
Distt. Chittorgarh (Raj.) INDIA

CIN : L17229UP1994PLC017199

ISO 9001:2008, ISO 14001:2004 & OHSAS 18001 : 2007 CERTIFIED COMPANY

Ref. No.: NBH - PC-13/ 2762

Date: 26.09.2018

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

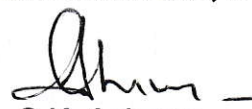
SUBJECT: Environmental Statement for the year 2017-2018 (02 Copies)

Dear Sir,

Kindly find herewith enclosed **Environment Statement Report of 22 MW coal based Captive Power Plant for the year 2017-2018** for your kind reference and record. We trust you will find the same in order.

Thanking you.

Yours Faithfully
For J.K. Cement Works, Nimbahera


S.K. Acharya
Asth. V.P. (E & I)

Encl. : a / a

Copy to -

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



Corporate & Registered Office : Kamla Tower, Kanpur-208001, (U. P.) INDIA
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J. K. Cement Works, Nimbahera
J. K. Cement Works Mangrol
J. K. Cement Works, Gotan
J. K. Cement Works, Jharli

J. K. Power, Bamania
J. K. Cement Works, Muddapur
J. K. White Cement Works, Gotan
J. K. White, Katni



Government of India
Ministry of Environment and Forest

"FORM - V"

(See rule 14)

**ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING THE
31ST MARCH 2018**

22 MW Captive Power Plant of M/s J.K. Cement Works, Nimbahera (Raj.)

PART - A

- | | |
|---|--|
| (I) NAME & ADDRESS OF THE
OWNER / OCCUPIER OF THE INDUSTRY
OPERATION OR PROCESS
(AS PER FACTORY ACT) | S.K. Rathore
Unit Head
J.K. Cement Works,
Nimbahera, Chittorgarh (Raj.) |
| (II) INDUSTRY CATEGORY
PRIMARY :- (STC CODE)
SECONDARY :- (SIC CODE) | Primary |
| (III) POWER PRODUCTION CAPACITY: -
(DESIGNED / INSTALLED CAPACITY) | 22 MW Power generation |
| (IV) YEAR OF ESTABLISHMENT: - | Year 2006 |
| (V) DATE OF LAST ENVIRONMENTAL: -
STATEMENT SUBMITTED | 16 th September 2017 |

PART - B

WATER & RAW MATERIAL CONSUMPTION

- (I) **WATER CONSUMPTION M³/day**
- | | | |
|----------|---|---|
| Process | : | 276 M ³ /day (Max. permitted quantity) |
| Cooling | : | Nil |
| Domestic | : | 5 M ³ /day |

NAME OF THE PRODUCTS

PROCESS WATER CONSUMPTION PER
PRODUCT OUTPUT

PREVIOUS FINANCIAL
YEAR (M3 / KWH)

CURRENT FINANCIAL
YEAR (M3 / KWH)

(1)

(2)

POWER

0.00057

0.00048

(II) **RAW MATERIAL CONSUMPTION**

NAME OF
RAW MATERIAL
USED

NAME OF
PRODUCTS

CONSUMPTION OF RAW MATERIAL
PER UNIT OF OUTPUT

DURING THE
PREVIOUS
FINANCIAL
YEAR (MT / KWH)

DURING THE
CURRENT
FINANCIAL
YEAR (MT / KWH)

Coal / Petcoke

Power

0.0008

0.0010

* Industry may use codes if disclosing details of raw material would violate contractual obligations
Otherwise all industries have to name the raw materials used.

PART - C

POLLUTION DISCHARGE TO ENVIRONMENT / UNIT OF OUTPUT
(Parameters as specified in the consent issued)

(1) Pollutants	Quantity of Pollutants discharged (Mass / day)	Concentrations of Pollutants in discharged (Mass / volume)	Percentage of variation from prescribed standards with reasons
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- (a) Water :
 (i) colonial : N.A., Domestic effluent is being treated in Sewage Treatment Plant.
 (ii) Industrial : Nil, As discharge waste water after treatment reuse in process

Waste water Analysis report attached as annexure -1

(b) Air	Parameter	Standard	Remarks
	Boiler ESP	100 mg/Nm ³	Parameters are with in prescribed limit (see annexure -2)
	Coal Transfer point B.F.	100 mg/Nm ³	
	Coal Handling system B.F.	100 mg/Nm ³	
	Ash Handling System Vent	100 mg/Nm ³	

PART - D

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

HAZARDOUS WASTE		TOTAL QUANTITY (KL)	
	DURING THE PREVIOUS FINANCIAL YEAR	DURING THE CURRENT FINANCIAL YEAR	
(a) From Process (DG & Plant Machinery)	29.0 KL used oil (Including cement plant)	11.8 KL Used Oil (Including cement plant)	
(b) From Pollution Control facilities	N. A.	N. A.	

PART - E

SOLID WASTES

	TOTAL QUANTITY	
	DURING THE PREVIOUS FINANCIAL YEAR	DURING THE CURRENT FINANCIAL YEAR
Fly ash	18832.400 MT	326515.0 MT

Total quantity of generated fly ash is being utilized in our Cement plant.

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.

- (a) Water: Waste water treated in neutralization pit & reused in process
- (b) Air : We have installed adequate Air Pollution Control measures i.e. ESP & Bag filters for Maintain the emission level. Dense plantation done around the plant.

PART - H

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

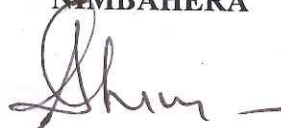
Not Applicable

PART - I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT.

Not Applicable

For J.K.CEMENT WORKS
NIMBAHERA



S.K. ACHARYA
A.P. (E&D)
J.K. CEMENT WORKS
NIMBAHERA
Distt. CHITTORGARH (Raj.)

Government of India
Ministry of Environment and Forest

"FORM - V"

(See rule 14)

**ENVIRONMENTAL STATEMENT FOR THE FINANCIAL YEAR ENDING THE
31ST MARCH 2018**

13.2 MW Waste Heat Recovery Power Plant of M/s J.K. Cement Works, Nimbahera (Raj.)

PART - A

- | | |
|---|--|
| (I) NAME & ADDRESS OF THE
OWNER / OCCUPIER OF THE INDUSTRY
OPERATION OR PROCESS
(AS PER FACTORY ACT) | S.K. Rathore
Unit Head
J.K. Cement Works,
Nimbahera, Chittorgarh (Raj.) |
| (II) INDUSTRY CATEGORY
PRIMARY :- (STC CODE)
SECONDARY :- (SIC CODE) | Primary |
| (III) POWER PRODUCTION CAPACITY :-
(DESIGNED / INSTALLED CAPACITY) | 13.2 MW Power generation |
| (IV) YEAR OF ESTABLISHMENT :- | Year 2007 |
| (V) DATE OF LAST ENVIRONMENTAL
STATEMENT SUBMITTED | 16 th September 2017 |

PART - B

WATER & RAW MATERIAL CONSUMPTION

- (1) **WATER CONSUMPTION M³/day**
- | | | |
|----------------|---|--|
| Process | : | Nil |
| Boiler/Cooling | : | 1750 M ³ /day Max. (Permitted quantity) |
| Domestic | : | 05 M ³ /day (Max.) |

J.K. Cement WORKS, NIMBAHERA (RAJ)**22MW Captive power plant****Outlet of Power Plant (FY 2017-18)**

S.No.	Parameter/Month	Average Data
1	pH	7.6
2	Total Suspended Solids (TSS)	39.8
3	Chemical Oxygen Demand (COD)	9.1
4	Bio-Chemical Oxygen Demand (BOD) (3 Days at 270C)	45.6
5	Oil & Grease	<1.1 to <1.6
6	Chlorides	161.8
7	Sulphate	117.2
8	Temperature	4oc higher than the intake water temperature
9	Iron (Total)	0.17
10	Copper (total)	<0.01 to <0.03
11	Phosphate (as PO ₄)	1.43
12	Zinc (as Zn)	<0.01 to <0.03
13	Chromium (total)	0.04
14	Total Residual Chlorine	NIL
15	Free available chlorine	<0.1

NT : Not Traceable

Bdl : Below detectable level

J.K.Cement Works, Nimbahera
22MW Captive power plant
Stack Monitoring report Year 2017-2018

[illegible]