

Ref. – JK/HGU/69**Date: 23-09-2024**

To,

The Chief Environment Officer,
Uttar Pradesh Pollution Control Board,
12 TC, Vibhuti Khand, Gomati Nagar
Lucknow (UP) E.Mail Id: ceo2@uppcb.com

Subject- Environmental Statement Report (Form-V) of M/s J K CEMENT WORKS HAMIRPUR
Village Ingoha, Pargana Sumerpur, District Hamirpur,210341 for the F.Y. 2023-24.

Reference: 194987/UPPCB/Banda (UPPCBRO)/CTO/both/HAMIRPUR/2023 dated 19.12.2023

Dear Sir

Please find herewith enclosed Environmental Statement Report (Form-V) for M/s JK CEMENT
WORKS HAMIRPUR Village Ingoha, Pargana Sumerpur, District Hamirpur, 210341 for the F.Y.
2023-2024 for your kind information and record, please.

Thanking you,

Yours faithfully,

For JK CEMENT WORKS HAMIRPUR



Dr. Sachin Gupta
(Unit Head)

Encl: Duly filled Form-V & Annexure no-1

CC:

Regional Officer, Uttar Pradesh Pollution Control Board, Banda 21001 U.P.
Regional Office, Ministry of Environment & Forest (Central Region)

Corporate Office

- Prism Tower, 5th Floor, Nivahive Estate,
Gwal Pahari, Gurugram - 122102, Haryana
- +0124-6919000
- admin.prism@jkcement.com
- www.jkcement.com

**JK SUPER
CEMENT**
BUILD SAFE**JK CEMENT
WallMax X**
White Cement Wall Putty

Manufacturing Units at

- Nimbahera (Mangrol, Golan, Rajasthan) | Muddapur (Karnataka) | Jharkh (Haryana)
Katni, Panna (M.P.) | Aligarh, Hamirpur (U.P.) | Bhasinor (Gujarat) | Fujairah

FORM – V
ENVIRONMENTAL STATEMENT REPORT FOR THE FINANCIAL YEAR 2023-24

PART – A

(I)	Name & Address of the Owner / Occupier of the Industry Operation or Process	Dr. Sachin Gupta Unit Head M/s JK Cement Works, Hamirpur, Village Ingotha, Pargana Sumerpur, District Hamirpur, HAMIRPUR,210341 HAMIRPUR
(II)	Industry Category Primary (STC CODE) Secondary (STC CODE)	Red Category
(III)	Production Capacity	Cement PPC (MT/Month) – 150000 Cement OPC (MT/Month) – 16600 Cement PSC (MT/Month) – 16600 Cement Composite (MT/Month) – 16600
(IV)	Year of Establishment	Plant commissioned on 25/11/2022
(V)	Date of last Environmental Statement Submitted	30/09/2023

PART – B

Water & Raw Material Consumption and Limestone production

A. Water

Overall Consumption

(i)	Process (Dust Suppression)	-	0.0 KL
(ii)	Cooling	-	4950 KL
(iii)	Domestic	-	3300 KL

Consumption per unit of production

Name of the Product	Process Water Consumption per unit of Product Output (MT)	
	During the Previous Financial Year (2022-23)	During the Current Financial Year (2023-24)
Cement	0.04KL	.0086 KL

B. Raw Material Consumption

Name of the Raw Material	Name of Product	Consumption of Raw Material per Unit Product Output (MT/MT of Cement)	
		During the Previous Financial Year (2022-23)	During the Current Financial Year (2023-24)
Clinker	Cement	0.6297	0.5595
Gypsum		0.0470	0.0936
Fly ash		0.3233	0.3469

C. Total Cement Production

Product	During the Previous Financial Year (2022-23)	During the Current Financial Year (2023-24)
OPC	00	00
PPC	2,60,419	13,80,478.035
PSC	00	00
Cement Composite	00	00

PART - C

Pollutant Discharged To Environment / Unit of Output
(Parameters as specified in the consent issued)

S. No	Pollutants	Quantity of Pollutants Discharged (Mass / day) (tonne/day)	Concentrations of Pollutants in discharged (Mass / Volume) (kg/m ³)	Percentage of variation from prescribed standard with reasons
(a)	Water	1. No liquid effluent generated from cement plant. 2. Domestic wastewater generated from office toilet and canteen is being treated with STP and treated water is being used in green belt development in plant premises.		
(b)	Air	Monitoring report enclosed as Annexure -01		

PART - D

(As specified under Hazardous waste / Management and Handling rules, 1989 as Amended -2016)

Hazardous waste: No hazardous waste generated.

PART - E

Solid Wastes

Solid Waste		Total Quantity	
		During the Previous Financial Year (2022-23)	During the Current Financial Year (2023-24)
(a)	From Process	Nil	Nil
(b)	From Pollution Control facilities	Dust Collected in Bag Filters and recycled back into the process.	Dust Collected in Bag Filters and recycled back into the process.
(c)	(i) Qty. recycled or reused Within the unit.	Dust collected in APCD and 100% utilized in cement manufacturing	Dust collected in APCD and 100% utilized in cement manufacturing
	(ii) Sold	Nil	Nil
	(iii) Disposed	Nil	Nil

PART – F

PLEASE SPECIFY THE CHARACTERISATIONS (IN TERMS OF COMPOSITION AND QUANTUM) OF HAZARDOUS AS WELL AS SOLID WASTES AND INDICATE DISPOSAL PRACTICE ADOPTED FOR BOTH THE CATEGORIES OF WASTES.

Hazardous waste: Used oil/spent oil – 5KL was generated and was disposed of through registered recycler m/s Venus oil corporation.

Solid waste: Dust collected from pollution control equipment (i.e. Bag filters) totally recycled in process.

PART – G

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

Cement manufacturing is a dry process technology, hence no effluent generated from process, which is cost effective and environmentally clean technology. The fugitive emission from the plant is controlled by equipment like Bag filters installed at various material transfer points. The particulate matter collected from the pollution control equipment is recycled in process and optimizing the cost of operation of pollution control equipment, conserving natural raw material and hence no impact on the environment. Extensive tree plantation has also been done in and around the plant premises. In FY 2023-24, we have planted 8000 no. of plants in and around the plant boundary.

PART – H

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

Extensive tree plantation has also been done in and around the plant premises. In FY 2023-24, we have planted 8000 no. of plants in and around the plant boundary.


1. Closed Clinker storage silo constructed to reduce fugitive dust emission, with sufficient bag filters.
2. Fly ash stored in closed silo to reduce the fugitive dust emission, with sufficient bag filters.

PART – I

ANY OTHER PARTICULARS FOR IMPROVING THE QUALITY OF ENVIRONMENT.

Nil

For J K Cement Works, Hamirpur


Dr. Sachin Gupta
Unit Head



VIRAT GLOBAL LAB

An Analytical Laboratory

Recognized by MoEF & CC, Accredited by ISO/IEC-17025:2017 (NABL)
(An ISO 9001:2015, 14001:2015 & 45001:2018 Certified Company)

TEST REPORT CODE: VGL/ST/24/04/001

TEST REPORT ISSUE DATE: 05.04.2024

TEST REPORT OF STACK EMISSION MONITORING

Name & Address of Customer : M/s. J K CEMENT WORKS, HAMIRPUR,
(A UNIT OF JK CEMENT LIMITED.)
VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
DISTRICT: HAMIRPUR, (U.P)-210341

Sample Collected by : VGL STAFF
Date of Sampling & Time : 05.03.2024 & 10:30 AM
Duration of Monitoring : 34.0 MIN.
Sample Id No. : 001
Date of Sample Receiving : 06.03.2024
Date of Sample Processing : 06.03.2024
Source of Emission : CEMENT MILL
Sampling Method : IS:11255
Instrument Used : STACK MONITORING KIT

Details of Stack
Material of Construction : M.S.
Stack Attached to : BAG FILTER
Stack Height :
i) Above the Ground Level (m) : 54.0
ii) Above the Platform Height Level (m) : 43.0
Stack Top : CIRCULAR
Inside Dia Meter of Stack Sampling port (m): 4.2
Cross Sectional Area of Duct/ Stack (m²) : 13.85
Ambient Temperature (oC) : 27.2
Flue Gas Temperature (oC) : 67.0
Exit Velocity of Flue Gas (m/sec.) : 10.1
Flow Rate (Nm³/sec.) : 125.26
APCD if Any : BAG FILTER

TEST RESULTS

SL. NO.	TESTS CONDUCTED	UNIT	METHOD	POLLUTANT CONCENTRATION	SPECIFICATION / LIMIT (AS PER CPCB)
1.	Particulate Matter (PM)	(mg/Nm ³)	IS:11255 (Part-1)	15.30	30.0

Page 1 of 1

Note:

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2. The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 15Days.
4. The above Results are related to the tested sample only.



Dr. Ashok Kumar
Technical Manager

Authorized Signatory
Virat Global Lab

Authorized Signatory
D. K. Yadav
Lab In-charge

TEST REPORT OF STACK EMISSION MONITORING

Name & Address of Customer : M/s. J K CEMENT WORKS, HAMIRPUR,
(A UNIT OF JK CEMENT LIMITED.)
VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
DISTRICT: HAMIRPUR, (U.P)-210341

Sample Collected by : VGL STAFF
Date of Sampling & Time : 12.03.2024 & 10:55 AM
Duration of Monitoring : 35.0 MIN.
Sample Id No. : 002
Date of Sample Receiving : 13.03.2024
Date of Sample Processing : 13.03.2024
Source of Emission : CEMENT MILL
Sampling Method : IS:11255
Instrument Used : STACK MONITORING KIT

Details of Stack
Material of Construction : M.S.
Stack Attached to : BAG FILTER
Stack Height
i) Above the Ground Level (m) : 54.0
ii) Above the Platform Height Level (m) : 43.0
Stack Top : CIRCULAR
Inside Dia Meter of Stack Sampling port (m) : 4.2
Cross Sectional Area of Duct/ Stack (m²) : 13.85
Ambient Temperature (oC) : 27.0
Flue Gas Temperature (oC) : 62.0
Exit Velocity of Flue Gas (m/sec.) : 9.8
Flow Rate (Nm³/sec.) : 114.53
APCD if Any : BAG FILTER

TEST RESULTS

SL. NO.	TESTS CONDUCTED	UNIT	METHOD	POLLUTANT CONCENTRATION	SPECIFICATION / LIMIT (AS PER CPCB)
I.	Particulate Matter (PM)	(mg/Nm ³)	IS:11255 (Part-1)	12.65	30.0

Page 1 of 1

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Dr. Ashok Kumar
Technical Manager

Authorized Signatory
Virat Global Lab



Authorised Signatory

D. K. Yadav
Lab In-charge

TEST REPORT OF STACK EMISSION CALIBRATION

Name & Address of Customer	M/s. JK CEMENT WORKS, HAMIRPUR, (A UNIT OF JK CEMENT LIMITED.) VILLAGE-INGOHTA, TAHSIL- HAMIRPUR, DISTRICT, HAMIRPUR, (U.P)-210341					
Sample Collected by	Mr. ASHISH KUMAR & Mr. RAHUL YADAV					
Date of Sampling & Time	30.03.2024 & 2:30 PM	30.03.2024 & 3:30 PM	30.03.2024 & 4:40 PM			
Duration of Monitoring	35.0 MIN.	35.0 MIN.	35.0 MIN.			
Date of Sample Receiving	01.04.2024	01.04.2024	01.04.2024			
Date of Sample Processing	01.04.2024	01.04.2024	01.04.2024			
Environmental Condition (TEMP & RH)	27.2 °C & 60 %	27.1 °C & 59 %	27.0 °C & 60 %			
Source of Emission	CEMENT MILL	CEMENT MILL	CEMENT MILL			
Sampling Method	IS:11255	IS:11255	IS:11255			
Instrument Used	STACK KIT	STACK KIT	STACK KIT			
Details of Stack						
Material of Construction	M.S.	M.S.	M.S.			
Stack Attached to	CEMENT MILL	CEMENT MILL	CEMENT MILL			
Stack Height: - i) Above the Ground Level (m)	54.0	54.0	54.0			
ii) Above the Platform Height Level (m)	43.0	43.0	43.0			
Stack Top	CIRCULAR	CIRCULAR	CIRCULAR			
Inside Dia Meter of Stack Sampling port (m)	4.2	4.2	4.2			
Cross Sectional Area of Duct/ Stack (m ²)	13.85	13.85	13.85			
Ambient Temperature (°C)	27.0	27.0	27.0			
Flue Gas Temperature (°C)	60.0	62.0	64.0			
Exit Velocity of Flue Gas (m/sec.)	9.8	10.5	11.3			
Moisture (%)	11.50	12.3	12.8			
Flow Rate (Nm ³ /sec.)	118.360	126.05	134.85			
APCD if Any	Bag Filter	Bag Filter	Bag Filter			
Runing Load	20 - 30 %	50 - 60 %	90 - 100 %			
TEST RESULTS						
TESTS CONDUCTED	UNIT	METHOD	POLLUTANT CONCENTRATION			AVERAGE
Particulate Matter (PM)	mg/Nm ³	IS:11255 (Part-1)	10.21	11.35	12.92	11.49

Page 1 of 1

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- The above Results are related to the tested sample only.


 Virat Global Lab
 Authorized Signatory


 Authorised Signatory
 D. K. Yadav
 Lab In-charge

TEST REPORT CODE: VGL/A/24/04/24/001

TEST REPORT ISSUE DATE: 04.04.2024

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : M/s. J K CEMENT WORKS, HAMIRPUR,
(A UNIT OF JK CEMENT LIMITED.)
VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
DISTRICT: HAMIRPUR, (U.P)-210341

Sampling Location : WTP AREA

Duration of Sampling : 05.03.2024 TO 30.03.2024

Sampling Done by : VGL STAFF

Packing Condition : SEALED

Environmental Condition Temp.(°C) & RH (%) : 24.3 & 58.0

Method of Sampling : IS:5182

Sample Processing Date : 07.03.2024 TO 01.04.2024

Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

Test Parameters			PM10	PM2.5	SO2	NO2	NH3	O3	CO	Pb	Ni	As	C6H6	BaP
Unit			µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	ng/m3	ng/m3	µg/m3	ng/m3
Limit (as Per CPCB)			100	60	80	80	400	100	2	1	20	6	5	1
Test Method IS: 5182			P-23	P-24	P-2	P-6	P-25	P-9	P-10	P-22	P-22	P-22	P-11	P-12
S.N.	Monitoring Date	Sample ID	TEST RESULTS											
1	05.03.2024	001	79.8	36.2	16.4	28.5	10.2	16.4	0.62	N.D.	N.D.	N.D.	N.D.	N.D.
2	30.03.2024	002	81.4	38.2	16.9	26.4	10.6	15.8	0.64	N.D.	N.D.	N.D.	N.D.	N.D.
Minimum			79.8	36.2	16.4	26.4	10.2	15.8	0.62	N.D.	N.D.	N.D.	N.D.	N.D.
Maximum			81.4	38.2	16.9	28.5	10.6	16.4	0.64	N.D.	N.D.	N.D.	N.D.	N.D.
Average			80.6	37.2	16.65	27.45	10.4	16.1	0.63	N.D.	N.D.	N.D.	N.D.	N.D.

Remark: -- N. D. = Not Detected.

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3. Any discrepancy in test result should be reported within 15Days.
4. The above results are related to the tested sample only.
5. BDL: Below detection limit

Review By:



Dr. Ashok Kumar
Technical Manager

Authorized Signatory
Virat Global Lab



Authorized Signatory
D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/A/24/04/24/002

TEST REPORT ISSUE DATE: 04.04.2024

TEST REPORT (AMBIENT AIR)

Name and Address of Customer	: M/s. J K CEMENT WORKS, HAMIRPUR, (A UNIT OF JK CEMENT LIMITED.) VILLAGE-INGOHTA, TAHSIL- HAMIRPUR, DISTRICT: HAMIRPUR, (U.P)-210341
Sampling Location	: TOWER NO. 1
Duration of Sampling	: 05.03.2024 TO 30.03.2024
Sampling Done by	: VGL STAFF
Packing Condition	: SEALED
Environmental Condition Temp.(°C) & RH (%)	: 26.8 & 57.0
Method of Sampling	: IS:5182
Sample Processing Date	: 07.03.2024 TO 01.04.2024
Equipment Used	: RESPIRABLE DUST SAMPLER (PM 10) FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

Test Parameters	PM10	PM2.5	SO2	NO2	NH3	O3	CO	Pb	Ni	As	C6H6	BaP		
Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³		
Limit (as Per CPCB)	100	60	80	80	400	100	2	1	20	6	5	1		
Test Method IS: 5182	P-23	P-24	P-2	P-6	P-25	P-9	P-10	P-22	P-22	P-22	P-11	P-12		
S.N.	Monitoring Date	Sample ID	TEST RESULTS											
1	05.03.2024	003	72.1	36.4	18.4	28.5	10.2	16.4	0.68	N.D.	N.D.	N.D.	N.D.	N.D.
2	30.03.2024	004	73.8	34.3	17.8	27.8	10.4	15.8	0.69	N.D.	N.D.	N.D.	N.D.	N.D.
Minimum			73.8	36.4	18.4	28.5	10.4	16.4	0.69	N.D.	N.D.	N.D.	N.D.	N.D.
Maximum			72.1	34.3	17.8	27.8	10.2	15.8	0.68	N.D.	N.D.	N.D.	N.D.	N.D.
Average			72.95	35.35	18.1	28.15	10.3	16.1	0.68	N.D.	N.D.	N.D.	N.D.	N.D.

Remark: - N. D. = Not Detected.

Page 1 of 1

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- The above results are related to the tested sample only.
- BDL: Below detection limit

Review By:

 Dr. Ashok Kumar
 Technical Manager

Authorized Signatory

Virat Global Lab


 Authorized Signatory

 D. K. Yadav
 Lab In-charge

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : M/s. JK CEMENT WORKS, HAMIRPUR,
 (A UNIT OF JK CEMENT LIMITED.)
 VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
 DISTRICT: HAMIRPUR. (U.P)-210341

Sampling Location : TOWER NO. 2

Duration of Sampling : 05.03.2024 TO 30.03.2024

Sampling Done by : VGL STAFF

Packing Condition : SEALED

Environmental Condition Temp. (°C) & RH (%) : 27.3 & 58.0

Method of Sampling : IS:5182

Sample Processing Date : 07.03.2024 TO 01.04.2024

Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
 FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

Test Parameters	PM10	PM2.5	SO2	NO2	NH3	O3	CO	Pb	Ni	As	C6H6	BaP		
Unit	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	µg/m3	mg/m3	µg/m3	ng/m3	ng/m3	µg/m3	ng/m3		
Limit (as Per CPCB)	100	60	80	80	400	100	2	1	20	6	5	1		
Test Method IS: 5182	P-23	P-24	P-2	P-6	P-25	P-9	P-10	P-22	P-22	P-22	P-11	P-12		
S.N.	Monitoring Date	Sample ID	TEST RESULTS											
1	05.03.2024	005	73.8	37.4	18.9	27.2	10.2	11.5	0.67	N.D.	N.D.	N.D.	N.D.	N.D.
2	30.03.2024	006	79.6	36.2	19.8	26.3	10.1	12.4	0.69	N.D.	N.D.	N.D.	N.D.	N.D.
Minimum			73.8	36.2	18.9	26.3	10.1	11.5	0.67	N.D.	N.D.	N.D.	N.D.	N.D.
Maximum			79.6	37.4	19.8	27.2	10.2	12.4	0.69	N.D.	N.D.	N.D.	N.D.	N.D.
Average			76.7	36.8	19.35	26.75	10.15	11.95	0.68	N.D.	N.D.	N.D.	N.D.	N.D.

Remark: - N. D. = Not Detected.

Page 1 of 1

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- BDL: Below detection limit

Review By:


Dr. Ashok Kumar
Technical Manager

Authorized Signatory
Virat Global Lab

Authorised Signatory

 D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/A/24/04/24/004

TEST REPORT ISSUE DATE: 04.04.2024

TEST REPORT (AMBIENT AIR)

Name and Address of Customer : M/s. JK CEMENT WORKS, HAMIRPUR.
 (A UNIT OF JK CEMENT LIMITED.)
 VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
 DISTRICT: HAMIRPUR, (U.P)-210341
Sampling Location : TOWER NO. 3
Duration of Sampling : 05.03.2024 TO 30.03.2024
Sampling Done by : VGL STAFF
Packing Condition : SEALED
Environmental Condition Temp.(°C) & RH (%) : 26.4 & 57.0
Method of Sampling : IS:5182
Sample Processing Date : 07.03.2024 TO 01.04.2024
Equipment Used : RESPIRABLE DUST SAMPLER (PM 10)
 FINE PARTICULATE SAMPLER (PM 2.5)

TEST RESULTS

Test Parameters	PM10	PM2.5	SO2	NO2	NH3	O3	CO	Pb	Ni	As	C6H6	BaP		
Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³	mg/m ³	µg/m ³	ng/m ³	ng/m ³	µg/m ³	ng/m ³		
Limit (as Per CPCB)	100	60	80	80	400	100	2	1	20	6	5	1		
Test Method IS: 5182	P-23	P-24	P-2	P-6	P-25	P-9	P-10	P-22	P-22	P-22	P-11	P-12		
S.N.	Monitoring Date	Sample ID	TEST RESULTS											
1	05.03.2024	007	71.4	37.9	15.8	26.2	10.6	15.8	0.66	N.D.	N.D.	N.D.	N.D.	N.D.
2	30.03.2024	008	82.4	39.8	15.4	26.9	10.2	16.3	0.68	N.D.	N.D.	N.D.	N.D.	N.D.
Minimum			71.4	37.9	15.4	26.2	10.2	15.8	0.66	N.D.	N.D.	N.D.	N.D.	N.D.
Maximum			82.4	39.8	15.8	26.9	10.6	16.3	0.68	N.D.	N.D.	N.D.	N.D.	N.D.
Average			76.9	38.85	15.6	26.55	10.4	16.5	0.67	N.D.	N.D.	N.D.	N.D.	N.D.

Remark: - N. D. = Not Detected.

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- BDL: Below detection limit

Review By:


 Dr. Ashok Kumar
 Technical Manager

Authorized Signatory

Virat Global Lab


 Authorized Signatory
 D. K. Yadav
 Lab In-charge

**TEST REPORT (WATER)
PART - A (CHEMICAL)**

Name and Address of Customer : M/s. JK CEMENT WORKS, HAMIRPUR,
(A UNIT OF JK CEMENT LIMITED.)
VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
DISTRICT: HAMIRPUR, (U.P)-210341
Location of Sample : CCR OFFICE
Sample Description : RO WATER
Date & Time of Sampling : 23.02.2024 11:50 AM
Sample Collected by : VGL STAFF
Environmental Condition (Temp. & RH) : 27.5 °C & 57.0 %
Sample Packing : SEALED
Sample Id No. : 001
Laboratory Sample Receiving Date : 24.02.2024
Duration of Sample Analysis : 26.02.2024 TO 01.03.2024
Method of Sampling : APHA 1060B & 9060A

TEST RESULTS

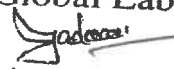
Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	pH	APHA 4500H+A+B	7.35	-	6.5-8.5	No relaxation
2.	Temperature	APHA 2550-A+B	25.4	°C	Not Specified	Not Specified
3.	Colour	APHA 2120-B	<5.0	Hazen	5	15
4.	Turbidity	APHA 2130-A+B	<1.0	NTU	1	5
5.	Odour	APHA 2150-B	Agreeable	-	Agreeable	Agreeable
6.	Alkalinity	APHA 2320-A+B	94.0	mg/L	200	600
7.	Total Dissolved Solids	APHA2540-C	152.0	mg/L	500	2000
8.	Total Hardness	APHA 2340 A+C	108.0	mg/L	200	600
9.	Calcium	APHA 3500 Ca- A+B	26.4	mg/L	75	200
10.	Magnesium	APHA 3500 Mg A+B	10.2	mg/L	30	100
11.	Sodium	APHA 3500 Na, A+B	11.0	mg/L	-	-
12.	Phosphate	APHA 4500-SO42- E	0.64	mg/L	-	-
13.	Sulfate	APHA 4500-PD	10.3	mg/L	200	400
14.	Potassium	APHA 3500 K, A+B	5.0	mg/L	-	-

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 - The sample will be destroyed after 15days from the date of issue of test certificate unless otherwise specified.
 - Any discrepancy in test result should be reported within 15Days.
 - The above Results are related to the tested sample only.


 Dr. Ashok Kumar
Technical Manager

 Authorized Signatory
Virat Global Lab


 Authorised Signatory

 D. K. Yadav
Lab In-charge

**TEST REPORT (WATER)
 PART - A (CHEMICAL)**
TEST RESULTS

15.	Nitrate Nitrogen	APHA 4500-NO3- B	4.8	mg/L	45.0	-
16.	Free Residual Chlorine	APHA 4500-Cl B	<0.2	mg/L	0.2	1.0
17.	Chloride	APHA 4500 ClA+B	16.3	mg/L	250	1000
18.	Boron	APHA 4500 B A+C	<0.2	mg/L	0.5	1.0
19.	Copper	APHA 3111 A+B	<0.05	mg/L	0.05	1.5
20.	Cadmium	APHA 3111 A+B	BDL	mg/L	0.003	No relaxation
21.	Iron	APHA 3500 Fe B	0.12	mg/L	0.3	No relaxation
22.	Lead	APHA 3111 A+B	<0.01	mg/L	0.01	No relaxation
23.	Nickel	APHA 3111 A+B	<0.02	mg/L	0.02	No relaxation
24.	Zinc	APHA 3111 A+B	<0.02	mg/L	5	15
25.	Fluoride	APHA 4500-C	0.09	mg/L	1.0	1.5
26.	Mercury	APHA 3112 A+B	BDL	mg/L	0.001	No relaxation
27.	Total Chromium	APHA 3111 A+B	<0.05	mg/L	0.05	No relaxation
28.	Arsenic	APHA 3114 B	<0.01	mg/L	0.01	0.05

Page 2 of 2

Note:

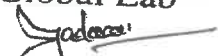
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3. Any discrepancy in test result should be reported within 15Days.
4. The above Results are related to the tested sample only.
5. BDL: Below detection limit

Review By:

 Dr. Ashok Kumar
 Technical Manager

Authorized Signatory

Virat Global Lab


 Authorised Signatory

 D. K. Yadav
 Lab In-charge

**TEST REPORT (WATER)
PART - B (BIOLOGICAL)****TEST RESULTS**

Sr. No.	Parameters	Test Method	Result	Unit	Limit as per IS 10500:1991 (Reaff:2012)	
					Desirable	Permissible
1.	Total Coliform Count	APHA 9221 B	Absent	MPN/100 ML	Shall not be detectable in any 100 ml sample	
2.	Fecal coliform	APHA 9221 E	Absent	MPN/100 ML	Shall not be detectable in any 100 ml sample	

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2. The sample will be destroyed after 3days from the date of issue of test certificate unless otherwise specified.
3. Any discrepancy in test result should be reported within 3Days
4. The above Results are related to the tested sample only.

Review By:Dr. Ashok Kumar
Technical Manager**Authorized Signatory**

Virat Global Lab


Authorized SignatorySayeed Ahmad
Quality Manager

TEST REPORT CODE: VGL/WW/24/02/24/001

TEST REPORT ISSUE DATE: 01.03.2024

TEST REPORT (WASTE WATER)

Name and Address of Customer : M/s. J K CEMENT WORKS, HAMIRPUR,
(A UNIT OF JK CEMENT LIMITED.)
VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
DISTRICT: HAMIRPUR, (U.P)-210341

Location of Sample : STP OUTLET

Sample Description : WASTE WATER

Date & Time of Sampling : 23.02.2024 2:40 PM

Sample Collected by : VGL STAFF

Environmental Condition (Temp. & RH) : 27.5°C & 57%

Sample Packing : SEALED

Sample Id No. : 001

Laboratory Sample Receiving Date : 24.02.2024

Duration of Sample Analysis : 26.02.2024 TO 01.03.2024

Method of Sampling : APHA 1060B


TEST RESULTS

Sl. No.	Parameters	Test Method	RESULT	Unit	G.S.R 422(E)
					Desirable Limit
1.	pH	APHA 4500 H+B	7.38	--	5.5-9.0
2.	Total Suspended Solids	APHA 2540C	68.0	mg/L	-
3.	Biochemical Oxygen Demand 3days at 27°C	APHA 5210 B	9.8	mg/L	10.0
4.	Faecal Coliform Count	IS 1622:1981 (Reaff. 2019)	112.0	MPN/100 ML	1000

Note:

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- The above Results are related to the tested sample only.

Review By:Dr. Ashok Kumar
Technical ManagerAuthorized Signatory
Virat Global Lab

Authorised Signatory

D. K. Yadav
Lab In-charge

TEST REPORT (WASTE WATER)

Name and Address of Customer : M/s. J K CEMENT WORKS, HAMIRPUR,
(A UNIT OF JK CEMENT LIMITED.)
VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
DISTRICT: HAMIRPUR, (U.P)-210341

Location of Sample : STP INLET

Sample Description : WASTE WATER

Date & Time of Sampling : 23.02.2024 3:20 PM

Sample Collected by : VGL STAFF

Environmental Condition (Temp. & RH) : 27.5°C & 57%

Sample Packing : SEALED

Sample Id No. : 002

Laboratory Sample Receiving Date : 24.02.2024

Duration of Sample Analysis : 26.02.2023 TO 01.03.2024

Method of Sampling : APHA 1060B

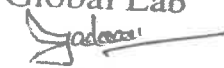
TEST RESULTS

SI. NO.	PARAMETERS	TEST METHOD	RESULT	UNIT
1.	pH	APHA 4500 H+B	7.28	--
2.	Total Suspended Solids	APHA 2540C	135.0	mg/L
3.	Biochemical Oxygen Demand 3 days at 27 °C	APHA 5210 B	132.0	mg/L
4.	Faecal Coliform Count	IS 1622:1981 (Reaff. 2019)	7000.0	MPN/100 ML

Page 1 of 1

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4. The above Results are related to the tested sample only.
5. BDL: Below detection limit.

Review By:Dr. Ashok Kumar
Technical ManagerAuthorized Signatory
Virat Global Lab
Authorized Signatory
D. K. Yadav
Lab In-charge

TEST REPORT (WORK NOISE)

Name and Address of Customer : M/s. JK CEMENT WORKS, HAMIRPUR,
(A UNIT JK CEMENT LIMITED,) VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
DISTRICT: HAMIRPUR, (U.P)-210341

Sampling Location : PACKING PLANT AREA

Date & Duration of Sampling : 30.03.2024 & 8 HOURS

Sampling Done by : VGL STAFF

Method of Sampling : IS: 4758

Sample Receiving Date : 01.04.2024

Sample Processing : 01.04.2024

Date Sample Id No. : 001

WORK AREA NOISE MONITORING RESULT

Noise Level in dB (A)			
Max.	Min.	Result in dB (A)	SPECIFICATION/ LIMIT AS PER FACTORY ACT
69.2	61.4	67.3	90

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4. The above results are related to the tested sample only.



Dr. Ashok Kumar
Technical Manager

Authorized Signatory**Virat Global Lab**
Authorised Signatory

D. K. Yadav
Lab In-charge

TEST REPORT CODE: VGL/N/30/04/01/001

TEST REPORT ISSUE DATE: 04.04.2024

TEST REPORT (NOISE)

Name and Address of Customer : M/s. J K CEMENT WORKS, HAMIRPUR,
(A UNIT JK CEMENT LIMITED.)
VILLAGE-INGOHTA, TAHSIL- HAMIRPUR,
DISTRICT: HAMIRPUR, (U.P)-210341

Sampling Location : CEMENT MILL

Date & Duration of Sampling : 30.03.2024 & 24 Hrs.

Sampling Done by : VGL STAFF

Method of Sampling : IS:9989

Sample Receiving Date : 01.04.2024

Sample Processing Date : 01.04.2024

Sample Id No. : 001

Instrument Used : NOISE METER (MAKE-CASELLA, MODEL-CEL-62X, SI. NO.-4712656)

AMBIENT NOISE RESULT

SI. NO.	TEST PARAMETER	UNIT	RESULTS	SPECIFICATION/LIMIT (AS PER CPCB)
1	Day Time Noise Level	Leq: dB (A)	66.8	75
2	Night Time Noise level	Leq: dB (A)	56.3	70

Remark: Day time is reckoned in between 06.00 A.M. and 10.00 P.M.
Night time is reckoned in between 10.00 P.M. and 06.00 A.M.

Page 1 of 1

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4. The above results are related to the tested sample only.

**Virat Global Lab**
Authorized Signatory
Authorized SignatoryD. K. Yadav
Lab In-charge