

JNCGU/ENV/2022-23/04

Date-10.04.2023

To
The Member Secretary,
M.P. Pollution Control Board,
Parayavaran Parisar, E-5 Arera Colony
Bhopal (M.P.) - 462016


Subject: - Quarterly Monitoring Report under Air & Water (Prevention & Control of Pollution) Act 1981 & 1974 respectively.

Dear Sir,

Please find enclosed herewith Ambient Air Quality and Stack Emission Monitoring Reports for the Quarter (January, 2023-March, 2023) for Jaypee Nigrie Cement Grinding Unit (A Unit of Jaiprakash Power Ventures Ltd.)

Thanking You,

Yours Sincerely,
For Jaypee Nigrie Cement Grinding Unit
(A Unit of Jaiprakash Power Ventures Ltd.)


Nadim Ahmad Khan
Vice - President (Chemistry & Environment)

Encl: - As Above

CC. **Regional Officer**
Control Board,
Bhakuar, Naugadh,
District: Singrauli (MP) - 486669

- For kind information please.M.P. Pollution

JAYPEE NIGRIE CEMENT GRINDING UNIT
(A Unit of Jaiprakash Power Ventures Limited)

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: January 2023

LOCATION : Near STP - (Colony Area)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	22.8	46.8	6.8	12.2	0.530
2 nd	Weekly Average	23.6	47.6	7.0	13.3	0.530
3 rd	Weekly Average	24.6	50.7	7.8	13.9	0.560
4 th	Weekly Average	26.0	52.3	8.0	12.8	0.590
LOCATION : Near H2 Gas Cylinder Shed						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	26.4	54.1	9.1	14.7	0.520
2 nd	Weekly Average	25.7	49.2	7.9	14.1	0.630
3 rd	Weekly Average	26.3	54.7	9.0	15.4	0.630
4 th	Weekly Average	27.1	52.0	6.4	12.0	0.540
LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	26.6	56.5	8.4	15.2	0.560
2 nd	Weekly Average	27.7	55.3	7.7	14.7	0.530
3 rd	Weekly Average	28.7	57.7	8.8	15.1	0.550
4 th	Weekly Average	29.8	59.8	9.8	16.0	0.610
LOCATION : Near Fuel Storage Tank						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	26.8	53.1	9.0	15.1	0.620
2 nd	Weekly Average	25.0	51.1	7.1	12.4	0.560
3 rd	Weekly Average	28.4	56.1	8.5	16.2	0.650
4 th	Weekly Average	27.5	54.6	9.2	15.4	0.580

For Jaypee Nigrie Cement Grinding Unit

Kaplan
Authorized Signatory

Jaiprakash
10/4/2023

JAYPEE NIGRIE CEMENT GRINDING UNIT
(A Unit of Jaiprakash Power Ventures Limited)

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: February 2023

LOCATION : Near STP - (Colony Area)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	21.2	45.4	5.5	11.0	0.498
2 nd	Weekly Average	18.6	40.5	5.9	10.6	0.512
3 rd	Weekly Average	23.3	45.2	7.0	13.2	0.554
4 th	Weekly Average	24.8	48.7	7.7	12.2	0.535
LOCATION : Near H2 Gas Cylinder Shed						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	30.2	58.1	5.9	16.2	0.593
2 nd	Weekly Average	27.6	54.0	8.3	14.3	0.640
3 rd	Weekly Average	28.7	57.8	8.8	15.3	0.642
4 th	Weekly Average	27.6	53.9	7.7	13.2	0.576
LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	25.7	55.7	7.8	12.2	0.535
2 nd	Weekly Average	31.6	60.2	8.5	14.8	0.606
3 rd	Weekly Average	26.9	55.0	7.0	12.5	0.551
4 th	Weekly Average	30.0	59.5	8.6	15.2	0.641
LOCATION : Near Fuel Storage Tank						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	28.9	52.3	6.8	13.1	0.573
2 nd	Weekly Average	27.0	52.1	7.7	13.0	0.599
3 rd	Weekly Average	29.4	55.7	8.2	15.8	0.665
4 th	Weekly Average	26.5	51.3	8.1	15.2	0.597

For Jaypee Nigrie Cement Grinding Unit

Handwritten Signature

Authorized Signatory

Handwritten Signature
10/4/23

JAYPEE NIGRIE CEMENT GRINDING UNIT
(A Unit of Jaiprakash Power Ventures Limited)

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: March 2023

LOCATION : Near STP - (Colony Area)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	22.4	44.3	5.5	11.0	0.488
2 nd	Weekly Average	21.2	41.7	5.2	11.3	0.440
3 rd	Weekly Average	23.2	46.0	6.5	12.1	0.532
4 th	Weekly Average	26.4	50.6	7.1	12.2	0.524
LOCATION : Near H2 Gas Cylinder Shed						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	30.2	59.0	6.1	16.0	0.589
2 nd	Weekly Average	21.7	47.2	5.5	10.7	0.517
3 rd	Weekly Average	23.0	47.1	5.7	11.6	0.528
4 th	Weekly Average	28.7	55.9	8.5	14.0	0.600
LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	26.9	56.2	7.6	13.3	0.532
2 nd	Weekly Average	21.7	46.5	5.1	11.5	0.513
3 rd	Weekly Average	25.8	52.9	8.0	14.4	0.617
4 th	Weekly Average	28.5	57.1	6.9	12.2	0.549
LOCATION : Near Fuel Storage Tank						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	30.0	55.0	6.7	14.0	0.596
2 nd	Weekly Average	25.4	50.4	7.0	10.7	0.540
3 rd	Weekly Average	24.8	49.6	6.3	12.8	0.580
4 th	Weekly Average	31.1	59.8	8.9	14.7	0.595

For Jaypee Nigrie Cement Grinding Unit

hashan
Authorized Signatory

H. Manohar
10/4/22

JAYPEE NIGRIE CEMENT GRINDING UNIT
(A Unit of Jaiprakash Power Ventures Limited)

Annexure - II

QUARTERLY REPORT OF PARTICULATE MATTER EMISSION FROM POINT SOURCE (STACK)

Month - January 2023 - March 2023

Sr.No.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLLING EQUIPMENT)	DUST CONC. (mg/Nm ³)		
		Jan-23	Feb-23	Mar-23
1	Roller Press	Shutdown	Shutdown	Shutdown
2	Cement Mill	Shutdown	Shutdown	Shutdown

Note : - Unit shutdown during this Quarter(Jan,23-March,23).

For Jaypee Nigrie Cement Grinding Unit


Authorized Signatory

Handwritten:
10/4/23.