

JNCGU/ENV/2022/01

Date-08.04.2022

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

**Subject: - Quarterly Air & Water 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, 2022- March, 2022) 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, 2022

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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	14.9	35.6	5.5	10.1	0.308
2 <sup>nd</sup>	Weekly Average	17.4	40.6	6.6	12.7	0.388
3 <sup>rd</sup>	Weekly Average	16.8	37.2	5.8	10.8	0.324
4 <sup>th</sup>	Weekly Average	21.5	44.9	6.9	12.9	0.434
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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	21.5	43.4	6.1	10.2	0.429
2 <sup>nd</sup>	Weekly Average	20.8	41.8	6.8	12.3	0.386
3 <sup>rd</sup>	Weekly Average	23.1	52.2	7.2	13.1	0.490
4 <sup>th</sup>	Weekly Average	27.5	60.2	7.4	14.6	0.543
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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	20.6	44.9	5.7	11.4	0.380
2 <sup>nd</sup>	Weekly Average	22.0	43.5	5.6	10.9	0.368
3 <sup>rd</sup>	Weekly Average	19.3	46.0	6.1	12.9	0.450
4 <sup>th</sup>	Weekly Average	27.1	56.2	7.0	13.9	0.420
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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	24.3	54.6	6.0	12.3	0.505
2 <sup>nd</sup>	Weekly Average	25.2	52.0	6.5	11.7	0.476
3 <sup>rd</sup>	Weekly Average	28.9	61.2	7.8	15.3	0.555
4 <sup>th</sup>	Weekly Average	27.6	56.5	6.2	10.9	0.458

For Jaypee Nigrie Cement Grinding Unit

  
Authorized Signatory





## Annexure - I

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

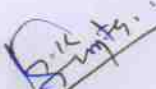
AMBIENT AIR QUALITY MONITORING REPORT

MONTH: February, 2022

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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	20.0	43.2	5.6	11.7	0.340
2 <sup>nd</sup>	Weekly Average	17.6	37.2	5.1	10.1	0.329
3 <sup>rd</sup>	Weekly Average	21.4	45.1	6.4	11.9	0.360
4 <sup>th</sup>	Weekly Average	24.7	49.6	6.0	12.8	0.372
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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	25.4	51.0	7.0	13.6	0.490
2 <sup>nd</sup>	Weekly Average	20.7	42.1	5.2	11.5	0.499
3 <sup>rd</sup>	Weekly Average	26.9	53.9	7.1	12.5	0.523
4 <sup>th</sup>	Weekly Average	29.2	59.4	7.7	13.9	0.533
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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	23.1	48.1	6.0	11.9	0.438
2 <sup>nd</sup>	Weekly Average	21.2	44.7	5.4	12.5	0.383
3 <sup>rd</sup>	Weekly Average	24.7	50.6	7.0	13.2	0.534
4 <sup>th</sup>	Weekly Average	29.3	59.9	7.2	14.4	0.477
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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	28.4	58.9	6.9	14.3	0.553
2 <sup>nd</sup>	Weekly Average	22.2	49.5	5.9	10.6	0.445
3 <sup>rd</sup>	Weekly Average	30.3	63.3	8.0	14.7	0.602
4 <sup>th</sup>	Weekly Average	32.2	67.3	7.8	13.5	0.569

For Jaypee Nigrie Cement Grinding Unit

  
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JAYPEE NIGRIE CEMENT GRINDING UNIT  
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AMBIENT AIR QUALITY MONITORING REPORT

MONTH: March, 2022

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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	21.2	41.9	5.6	9.9	0.324
2 <sup>nd</sup>	Weekly Average	24.0	49.6	6.3	11.9	0.384
3 <sup>rd</sup>	Weekly Average	22.8	48.6	6.2	10.7	0.362
4 <sup>th</sup>	Weekly Average	23.2	47.5	6.5	12.9	0.390
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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	26.7	57.4	7.7	12.3	0.520
2 <sup>nd</sup>	Weekly Average	26.8	62.7	7.5	11.9	0.476
3 <sup>rd</sup>	Weekly Average	24.2	53.7	6.0	11.2	0.449
4 <sup>th</sup>	Weekly Average	29.8	62.5	8.9	14.3	0.574
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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	25.1	53.2	6.7	11.4	0.390
2 <sup>nd</sup>	Weekly Average	29.2	63.2	7.6	13.1	0.419
3 <sup>rd</sup>	Weekly Average	30.5	67.2	8.2	14.1	0.530
4 <sup>th</sup>	Weekly Average	34.0	72.3	7.9	14.7	0.598
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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	28.5	61.2	7.8	14.2	0.540
2 <sup>nd</sup>	Weekly Average	31.4	69.3	8.1	13.4	0.507
3 <sup>rd</sup>	Weekly Average	32.3	70.7	8.2	11.7	0.580
4 <sup>th</sup>	Weekly Average	28.8	61.4	6.7	12.0	0.456

For Jaypee Nigrie Cement Grinding Unit

  
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JAYPEE NIGRIE CEMENT GRINDING UNIT

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Annexure - II

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

Month - January, 2022 - March, 2022

Sr.No.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLLING EQUIPMENT)	DUST CONC. (mg/Nm <sup>3</sup> )		
		Jan-22	Feb-22	Mar-22
1	Roller Press	1.76	Shutdown	Shutdown
2	Cement Mill	1.23	Shutdown	Shutdown

Note : - Grinding Unit has been run only for 02.00 Hrs during this Quarter.

For Jaypee Nigrie Cement Grinding Unit

  
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