

JNCGU/ENV/2022/02

Date-06.10.2022

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 (July, 2022- September, 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: July - 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	24.0	51.6	5.9	10.4	0.391
2 <sup>nd</sup>	Weekly Average	27.9	54.0	7.0	13.0	0.477
3 <sup>rd</sup>	Weekly Average	24.5	46.1	6.1	10.3	0.373
4 <sup>th</sup>	Weekly Average	19.0	41.2	5.5	9.2	0.305
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	29.8	55.4	8.2	13.8	0.539
2 <sup>nd</sup>	Weekly Average	37.8	58.9	7.6	14.4	0.559
3 <sup>rd</sup>	Weekly Average	26.5	53.2	7.1	11.2	0.475
4 <sup>th</sup>	Weekly Average	27.2	52.5	8.1	12.4	0.441
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	26.9	56.4	7.3	12.8	0.569
2 <sup>nd</sup>	Weekly Average	31.0	67.5	8.7	15.4	0.604
3 <sup>rd</sup>	Weekly Average	29.8	59.2	7.0	12.0	0.444
4 <sup>th</sup>	Weekly Average	26.1	52.0	6.0	11.2	0.436
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	32.8	63.6	7.7	12.2	0.620
2 <sup>nd</sup>	Weekly Average	40.5	62.0	9.9	16.0	0.682
3 <sup>rd</sup>	Weekly Average	28.2	57.3	6.5	11.8	0.469
4 <sup>th</sup>	Weekly Average	26.5	51.8	7.6	10.7	0.510

For Jaypee Nigrie Cement Grinding Unit

  
Authorized Signatory

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: August - 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	20.5	43.7	5.5	11.1	BLQ (LOQ-0.50)
2 <sup>nd</sup>	Weekly Average	16.0	41.9	5.9	10.0	0.58
3 <sup>rd</sup>	Weekly Average	15.2	39.5	5.7	10.5	0.55
4 <sup>th</sup>	Weekly Average	16.4	38.2	5.2	11.3	BLQ (LOQ-0.50)
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	23.4	50.2	6.8	11.4	0.53
2 <sup>nd</sup>	Weekly Average	24.0	51.1	6.1	10.4	0.54
3 <sup>rd</sup>	Weekly Average	19.5	43.5	5.7	12.2	BLQ (LOQ-0.50)
4 <sup>th</sup>	Weekly Average	18.4	48.0	6.5	11.6	0.55
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	22.4	50.8	5.5	10.6	0.53
2 <sup>nd</sup>	Weekly Average	20.2	53.0	7.0	13.3	0.61
3 <sup>rd</sup>	Weekly Average	18.0	45.5	6.0	11.5	0.57
4 <sup>th</sup>	Weekly Average	21.5	46.4	6.5	13.1	BLQ (LOQ-0.50)
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	25.9	55.5	7.0	13.6	0.56
2 <sup>nd</sup>	Weekly Average	22.7	51.7	7.5	11.7	0.57
3 <sup>rd</sup>	Weekly Average	20.8	48.4	5.9	10.8	0.60
4 <sup>th</sup>	Weekly Average	19.5	47.5	7.2	12.3	BLQ (LOQ-0.50)

\*BLQ - Below Limit of Quantification, LOQ - Limit of Quantification

For Jaypee Nigrie Cement Grinding Unit

*Wajhan*  
Authorized Signatory

## Annexure - I

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: September - 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	17.3	43.3	5.4	9.9	BLQ (LOQ-0.50)
2 <sup>nd</sup>	Weekly Average	17.1	41.5	5.7	11.0	0.52
3 <sup>rd</sup>	Weekly Average	17.8	42.6	6.2	11.9	BLQ (LOQ-0.50)
4 <sup>th</sup>	Weekly Average	20.3	48.2	7.0	12.7	0.53
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	20.7	45.8	6.7	11.9	0.55
2 <sup>nd</sup>	Weekly Average	26.3	55.3	8.1	13.9	BLQ (LOQ-0.50)
3 <sup>rd</sup>	Weekly Average	23.0	48.5	6.8	11.1	BLQ (LOQ-0.50)
4 <sup>th</sup>	Weekly Average	26.8	55.7	8.0	15.0	0.51
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	19.1	49.9	5.9	11.7	BLQ (LOQ-0.50)
2 <sup>nd</sup>	Weekly Average	18.4	45.0	5.5	11.3	0.51
3 <sup>rd</sup>	Weekly Average	21.6	48.8	6.4	13.6	0.55
4 <sup>th</sup>	Weekly Average	25.1	55.1	7.3	12.3	BLQ (LOQ-0.50)
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	21.6	48.8	7.7	13.7	0.60
2 <sup>nd</sup>	Weekly Average	20.8	47.7	6.3	12.9	0.50
3 <sup>rd</sup>	Weekly Average	25.3	56.5	6.6	14.2	0.53
4 <sup>th</sup>	Weekly Average	27.6	57.1	8.4	16.1	0.54

\*BLQ - Below Limit of Quantification, LOQ - Limit of Quantification

For Jaypee Nigrie Cement Grinding Unit

*Wajid*  
Authorized Signatory

**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 - July 2022 - September 2022

Sr.No.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLLING EQUIPMENT)	DUST CONC. (mg/Nm <sup>3</sup> )		
		Jul-22	Aug-22	Sep-22
1	Roller Press	Shutdown	Shutdown	Shutdown
2	Cement Mill	Shutdown	Shutdown	Shutdown

Note : - Unit shutdown during this Quarter(July,22-Sept,22).

For Jaypee Nigrie Cement Grinding Unit

  
Authorized Signatory