

JNCGU/ENV/2023-24/02

Date-16.10.2023

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 (July, 2023-Sept, 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.)

  
Vinod Sharma  
(Unit Head)

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 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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	25.8	50.8	7.2	13.4	0.49
2 <sup>nd</sup>	Weekly Average	23.2	45.7	6.2	12.4	0.47
3 <sup>rd</sup>	Weekly Average	27.0	53.1	7.6	13.7	0.50
4 <sup>th</sup>	Weekly Average	24.0	46.9	6.5	12.4	0.47
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	26.6	53.0	6.9	13.5	0.57
2 <sup>nd</sup>	Weekly Average	27.8	56.6	7.3	14.0	0.58
3 <sup>rd</sup>	Weekly Average	30.1	59.0	7.9	15.0	0.60
4 <sup>th</sup>	Weekly Average	25.6	51.0	6.8	13.4	0.57
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	27.6	55.3	7.4	14.0	0.58
2 <sup>nd</sup>	Weekly Average	25.7	51.0	6.7	12.4	0.56
3 <sup>rd</sup>	Weekly Average	30.5	61.3	8.2	15.6	0.61
4 <sup>th</sup>	Weekly Average	27.4	54.0	7.2	14.1	0.58
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	28.7	57.7	7.6	14.7	0.58
2 <sup>nd</sup>	Weekly Average	27.6	54.4	7.2	14.2	0.57
3 <sup>rd</sup>	Weekly Average	31.9	62.3	8.5	15.5	0.61
4 <sup>th</sup>	Weekly Average	26.1	52.6	6.8	14.7	0.56

For Jaypee Nigrie Cement Grinding Unit

*[Signature]*  
16/10/23  
Authorized Signatory

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

**AMBIENT AIR QUALITY MONITORING REPORT**

**MONTH: August-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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	24.3	47.5	6.4	12.7	0.46
2 <sup>nd</sup>	Weekly Average	25.1	49.6	6.8	13.1	0.48
3 <sup>rd</sup>	Weekly Average	27.7	55.0	7.8	14.0	0.51
4 <sup>th</sup>	Weekly Average	23.8	46.5	6.4	12.5	0.48
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	25.9	51.8	7.1	13.7	0.58
2 <sup>nd</sup>	Weekly Average	31.0	61.9	8.2	15.3	0.62
3 <sup>rd</sup>	Weekly Average	25.9	52.0	7.2	13.9	0.58
4 <sup>th</sup>	Weekly Average	27.8	55.8	7.5	14.3	0.58
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	28.4	57.5	7.4	14.5	0.58
2 <sup>nd</sup>	Weekly Average	26.2	51.5	6.8	13.4	0.56
3 <sup>rd</sup>	Weekly Average	31.4	61.6	8.4	15.7	0.62
4 <sup>th</sup>	Weekly Average	25.6	52.1	6.7	13.0	0.55
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	29.7	57.9	7.9	15.1	0.59
2 <sup>nd</sup>	Weekly Average	30.7	60.6	8.2	15.3	0.59
3 <sup>rd</sup>	Weekly Average	27.9	57.1	7.9	14.5	0.57
4 <sup>th</sup>	Weekly Average	27.0	53.8	7.1	14.3	0.56

For Jaypee Nigrie Cement Grinding Unit

  
 16/10/23  
 Authorized Signatory



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

**AMBIENT AIR QUALITY MONITORING REPORT**

**MONTH: September-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 ( $\text{mg}/\text{m}^3$ )
1 <sup>st</sup>	Weekly Average	26.4	53.1	7.2	13.4	0.51
2 <sup>nd</sup>	Weekly Average	23.7	47.2	6.5	12.7	0.46
3 <sup>rd</sup>	Weekly Average	25.1	48.4	6.9	13.1	0.48
4 <sup>th</sup>	Weekly Average	27.7	55.3	7.6	13.9	0.52
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	28.2	54.8	7.6	14.1	0.59
2 <sup>nd</sup>	Weekly Average	26.5	53.4	7.3	14.0	0.58
3 <sup>rd</sup>	Weekly Average	26.5	53.0	7.2	14.1	0.59
4 <sup>th</sup>	Weekly Average	31.0	60.9	8.4	15.5	0.61
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	29.5	59.4	7.9	14.8	0.60
2 <sup>nd</sup>	Weekly Average	26.0	51.4	6.8	13.1	0.55
3 <sup>rd</sup>	Weekly Average	26.1	52.6	6.8	13.1	0.55
4 <sup>th</sup>	Weekly Average	31.1	61.0	8.5	15.4	0.62
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	59.3	7.8	15.1	0.59
2 <sup>nd</sup>	Weekly Average	27.4	54.0	7.6	14.7	0.56
3 <sup>rd</sup>	Weekly Average	26.3	54.1	7.2	14.2	0.57
4 <sup>th</sup>	Weekly Average	31.2	62.1	8.4	15.7	0.62

For Jaypee Nigrie Cement Grinding Unit

  
 16/10/23  
 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)

Period - July 2023 - September 2023

S.No.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLLING EQUIPMENT)	DUST CONC. (mg/Nm <sup>3</sup> )		
		Jul-23	Aug-23	Sep-23
1	Roller Press	Shutdown	Shutdown	Shutdown
2	Cement Mill	Shutdown	Shutdown	Shutdown

Note : - Unit has been shutdown during this Quarter (July,23-Sept,23)

For Jaypee Nigrie Cement Grinding Unit

  
16/10/23  
Authorized Signatory