

**JAYPEE NIGRIE SUPER THERMAL POWER PLANT**

A DIVISION OF JAI PRAKASH POWER VENTURES LIMITED

ISO CERTIFIED : 9001:2015, 14001:2015 & 45001:2018



QUALITY

ENVIRONMENT

HEALTH & SAFETY

JNCGU/ENV/2024/03

Date-14.10.2024

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 2024 - September 2024) for JaypeeNigrie 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*

**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

**Site** : Jaypee Nigrie Super Thermal Power Plant, Village & P.O.-Nigrie, Tehsil-Sarai, Distt.-Singrauli (M.P.)  
Ph: +91 (7801) 286021 - 36, Fax: +91 (7801) 286020, Email: jpthermal.sidhi@jalindia.co.in  
**Corp. Office** : 'JA House', 63 Basant Lok, Vasant Vihar, New Delhi - 110 057 (India)  
Ph: +91 (11) 49828679, 49828642, Fax: +91 (11) 26145389  
**Regd. Office**: Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie  
Tehsil - Sarai, Distt. - Singrauli - 486669 (Madhya Pradesh)  
Ph: +91 (7801) 286021 - 39, Fax: +91 (7801) 286020  
**Website**: www.jppowerventures.com **CIN**: L40101MP1994PLC042920

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: July 2024

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	24.1	46.3	6.1	11.1	0.45
2 <sup>nd</sup>	Weekly Average	25.4	47.7	6.3	11.4	0.47
3 <sup>rd</sup>	Weekly Average	27.1	50.9	6.7	12.1	0.51
4 <sup>th</sup>	Weekly Average	21.7	40.8	5.7	10.7	0.41
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	26.1	48.7	7.2	12.6	0.50
2 <sup>nd</sup>	Weekly Average	28.4	53.7	7.7	13.2	0.57
3 <sup>rd</sup>	Weekly Average	30.8	57.5	8.2	14.9	0.63
4 <sup>th</sup>	Weekly Average	24.1	44.0	6.3	11.9	0.48
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	26.0	50.0	7.0	12.8	0.52
2 <sup>nd</sup>	Weekly Average	26.8	50.4	7.1	13.0	0.52
3 <sup>rd</sup>	Weekly Average	31.6	58.7	8.4	15.2	0.64
4 <sup>th</sup>	Weekly Average	26.4	49.9	6.9	12.3	0.52
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	27.6	52.4	7.5	12.7	0.57
2 <sup>nd</sup>	Weekly Average	28.8	55.2	7.6	13.4	0.58
3 <sup>rd</sup>	Weekly Average	31.9	58.4	8.2	14.6	0.65
4 <sup>th</sup>	Weekly Average	28.6	53.7	7.6	13.4	0.57

For JaypeeNigrie Cement Grinding Unit

*Leakha*  
Authorized Signatory

*Nigrie*



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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: August 2024

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	25.6	49.4	6.3	11.8	0.48
2 <sup>nd</sup>	Weekly Average	25.6	48.8	6.3	11.3	0.47
3 <sup>rd</sup>	Weekly Average	20.3	36.6	5.6	10.5	0.40
4 <sup>th</sup>	Weekly Average	25.3	48.5	6.4	11.4	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	28.2	54.1	7.5	13.1	0.55
2 <sup>nd</sup>	Weekly Average	27.2	50.9	7.2	12.8	0.52
3 <sup>rd</sup>	Weekly Average	23.3	42.2	6.2	11.7	0.44
4 <sup>th</sup>	Weekly Average	28.8	54.1	7.7	13.9	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	27.1	50.5	7.2	13.1	0.51
2 <sup>nd</sup>	Weekly Average	28.1	52.5	7.7	13.0	0.54
3 <sup>rd</sup>	Weekly Average	25.1	47.5	6.8	12.2	0.50
4 <sup>th</sup>	Weekly Average	28.8	54.0	7.7	13.8	0.59
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	30.0	55.4	7.6	13.4	0.56
2 <sup>nd</sup>	Weekly Average	27.3	52.4	7.2	13.0	0.51
3 <sup>rd</sup>	Weekly Average	25.6	49.4	6.9	12.6	0.51
4 <sup>th</sup>	Weekly Average	32.5	58.5	8.3	14.9	0.64

For JaypeeNigrie Cement Grinding Unit

  
Authorized Signatory



**JAYPEE NIGRIE CEMENT GRINDING UNIT**  
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AMBIENT AIR QUALITY MONITORING REPORT

MONTH: September 2024

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	24.7	46.6	6.0	11.2	0.45
2 <sup>nd</sup>	Weekly Average	25.5	48.8	6.1	11.3	0.47
3 <sup>rd</sup>	Weekly Average	22.7	42.6	5.9	11.0	0.44
4 <sup>th</sup>	Weekly Average	27.4	52.8	6.6	12.5	0.51
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	27.5	54.5	7.4	13.1	0.53
2 <sup>nd</sup>	Weekly Average	28.5	56.7	7.6	13.3	0.55
3 <sup>rd</sup>	Weekly Average	23.8	46.0	6.4	12.1	0.47
4 <sup>th</sup>	Weekly Average	30.1	57.0	7.9	14.2	0.59
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	54.5	7.7	13.4	0.57
2 <sup>nd</sup>	Weekly Average	26.9	51.4	7.5	13.1	0.53
3 <sup>rd</sup>	Weekly Average	25.1	48.3	6.8	12.3	0.51
4 <sup>th</sup>	Weekly Average	30.9	58.6	8.2	14.5	0.63
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	29.2	56.4	7.6	13.5	0.56
2 <sup>nd</sup>	Weekly Average	27.1	52.9	7.3	13.1	0.52
3 <sup>rd</sup>	Weekly Average	25.8	50.0	6.9	12.7	0.52
4 <sup>th</sup>	Weekly Average	33.8	62.7	8.6	15.6	0.68

For JaypeeNigrie Cement Grinding Unit

  
Authorized Signatory





**JAYPEE NIGRIE CEMENT GRINDING UNIT**  
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Annexure - II

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

Period - July 2024 - September 2024

Sr.No.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLING EQUIPMENT)	AVG. DUST CONC. (mg/Nm3)		
		Jul-24	Aug-24	Sep-24
1	Roller Press	Shutdown	Shutdown	Shutdown
2	Cement Mill	Shutdown	Shutdown	Shutdown

Note : - Plant was shutdown during this Quarter (July, 24 -September, 24)

For Jaypee Nigrie Cement Grinding Unit

  
Authorized Signatory

