#### JAYPEE NIGRIE CEMENT GRINDING UNIT





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 6 10 23 (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, Village & P.O.-Nigrie, Tehsil-Sarai Distt. - Singrauli (M.P.) Ph: +91 (7801) 299021 - 24, Fax: +91 (7801) 299030 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) 299021 - 24, Fax: +91 (7801) 299030

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 2023

	LUCAI	POSCOCIONAL PROPERTY AND ADDRESS.	STP -(Colony	SO2	NO2	СО
Name of Week	Particulars	PM2.5 (µg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	(μg/m3)	(mg/m3)
1st	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
3rd	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
	LOCATI	ON : Near H	2 Gas Cylind	ler Shed		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (µg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	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
3rd	Weekly Average	30.1	59.0	7.9	15.0	0.60
4th	Weekly Average	25.6	51.0	6.8	13.4	0.57
Name of Week	LOCATION : Nea	PM2.5 (μg/m3)	PM10 (µg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	27.6	55.3	7.4	14.0	0.58
		05.5	F4 0	(7	12.4	
2nd	Weekly Average	25.7	51.0	6.7	12.4	0.56
-	Weekly Average Weekly Average	30.5	61.3	8.2	15.6	0.56 0.61
2 <sup>nd</sup> 3rd 4th	Weekly Average Weekly Average Weekly Average		STORY OF THE PARTY	50		
3rd	Weekly Average Weekly Average	30.5 27.4	61.3 54.0	8.2 7.2	15.6	0.61
3rd	Weekly Average Weekly Average	30.5 27.4 TION : Near PM2.5	61.3	8.2 7.2	15.6	0.61 0.58
3rd 4th	Weekly Average Weekly Average LOCA Particulars	30.5 27.4 TION : Near	61.3 54.0 Fuel Storage	8.2 7.2 e Tank SO2	15.6 14.1 NO2	0.61
3rd 4th Name of Week	Weekly Average  Weekly Average  LOCA  Particulars  Weekly Average	30.5 27.4 TION : Near PM2.5 (µg/m3)	61.3 54.0 Fuel Storage PM10 (µg/m3)	8.2 7.2 e Tank SO2 (µg/m3)	15.6 14.1 NO2 (µg/m3)	0.61 0.58 CO (mg/m3
3rd 4th Name of Week	Weekly Average Weekly Average LOCA Particulars	30.5 27.4 TION : Near PM2.5 (µg/m3) 28.7	61.3 54.0 r Fuel Storage PM10 (µg/m3) 57.7	8.2 7.2 e Tank SO2 (µg/m3) 7.6	15.6 14.1 NO2 (µg/m3) 14.7	0.61 0.58 CO (mg/m3 0.58

For Jaypee Nigrie Cement Grinding Unit

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

### AMBIENT AIR QUALITY MONITORING REPORT

MONTH: August-2023

	LOCA'	TION: Near	STP - (Colon	y Area)		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (µg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	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
3rd	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
	LOCAT	ION : Near I	H2 Gas Cylin	der Shed		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	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
3rd	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 : Ne	or Watch To	war 22 (Com	ent Crinding	I Init)	
	LOCATION: Ne	PM2.5	PM10	SO2	NO2	СО
Name of Week	Particulars	(µg/m3)	(μg/m3)	(μg/m3)	(µg/m3)	(mg/m3)
1st	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
3rd	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
	IOC	ATION · Nea	r Fuel Storag	e Tank		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	29.7	57.9	7.9	15.1	0.59
	Weekly Average	30.7	60.6	8.2	15.3	0.59
2nd		150 1100	244.0	7.9	14.5	0.57
2nd 3rd	Weekly Average	27.9	57.1	7.9	14.5	0.57

For Jaypee Nigrie Cement Grinding Unit

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

## AMBIENT AIR QUALITY MONITORING REPORT

MONTH: September-2023

	LOCA	FION: Near	STP -(Colon	y Area)		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	26.4	53.1	7.2	13.4	0.51
2nd	Weekly Average	23.7	47.2	6.5	12.7	0.46
3rd	Weekly Average	25.1	48.4	6.9	13.1	0.48
4th	Weekly Average	27.7	55.3	7.6	13.9	0.52
	LOCAT	ION : Near I	H2 Gas Cylin	der Shed		
Name of Week	Particulars	PM2.5 (µg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1 <sup>st</sup>	Weekly Average	28.2	54.8	7.6	14.1	0.59
2nd	Weekly Average	26.5	53.4	7.3	14.0	0.58
3rd	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
Name of Week	LOCATION : Ne	PM2.5	PM10	SO2	NO2	CO (mg/m3)
	* Annual Control	(μg/m3)	(μg/m3)	(μg/m3) 7.9	(μg/m3) 14.8	0.60
1st	Weekly Average	29.5	59.4		13.1	0.55
2 <sup>nd</sup>	Weekly Average	26.0	51.4	6.8		0.55
3rd	Weekly Average	26.1	52.6	6.8	13.1	0.62
4th	Weekly Average	31.1	61.0	8.5	15.4	0.02
	LOC	ATION : Nea	r Fuel Storag	e Tank		
			PM10	SO2	NO2	СО
Name of Week	Particulars	PM2.5 (μg/m3)	(µg/m3)	(μg/m3)	(µg/m3)	(mg/m3
Name of Week			(μg/m3) 59.3	(μg/m3) 7.8	(μg/m3) 15.1	(mg/m3 0.59
AVAINABLE HOSE DE SOURCE	Particulars	(µg/m3)	7/11/02/2007			0.59 0.56
1 <sup>st</sup>	Particulars Weekly Average	(μg/m3) 28.5	59.3	7.8	15.1	0.59

For Jaypee Nigrie Cement Grinding Unit

#### 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

	UNIT STACK ATTACHED WITH	DUST CONC. (mg/Nm3)			
S.No.	PCE (POLLUTION CONTROLING EQUIPMENT)	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