#### JAYPEE NIGRIE CEMENT GRINDING UNIT

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED



JNCGU/ENV/2023-24/03

Date-15.01.2024

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 (Oct, 2023-Dec, 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



Site : 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: October 2023

Name of Week	Particulars	PM <sub>2.5</sub>	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	СО
1st	Weekly Average	(μg/m³) 24.7	(μg/m³) 48.7	(μg/m³) 6.7	(μg/m³) 12.6	(mg/m³)
2nd	Weekly Average	25.9	51.0	7.1		0.45
3rd	, ,				12.7	0.48
	Weekly Average	24.8	48.3	6.7	12.7	0.46
4 <sup>th</sup>	Weekly Average	28.4	57.1	7.9	13.8	0.52
	LOCATI	ON : Near H	I2 Gas Cylino	der Shed		
Name of Week	Particulars	PM <sub>2.5</sub> (μg/m³)	PM <sub>10</sub> (μg/m³)	SO <sub>2</sub> (μg/m³)	NO <sub>2</sub> (μg/m³)	CO (mg/m³)
1st	Weekly Average	26.3	52.2	7.0	13.9	0.56
2 <sup>nd</sup>	Weekly Average	28.0	55.4	7.6	13.8	0.58
3rd	Weekly Average	26.5	52.2	7.1	13.8	0.56
4 <sup>th</sup>	Weekly Average	30.6	61.4	8.3	15.2	0.63
Name of Week	LOCATION : Nea Particulars	r Watch Tow PM <sub>2.5</sub> (μg/m³)	ver 22 (Cemer PM <sub>10</sub> (μg/m³)	nt Grinding SO <sub>2</sub> (µg/m³)	Unit) NO <sub>2</sub> (μg/m³)	CO (mg/m³)
1st	Weekly Average	25.7	50.5	6.7	13.2	0.54
2 <sup>nd</sup>	Weekly Average	27.5	54.6	7.3	13.8	0.57
3rd	Weekly Average	27.6	55.2	7.3	13.9	0.57
				0.0	450	
4 <sup>th</sup>	Weekly Average	29.8	60.3	8.3	15.3	0.62
4 <sup>th</sup>					15.3	0.62
	LOCA	ΓΙΟΝ : Near	Fuel Storage	Tank		
					NO <sub>2</sub> (μg/m³)	0.62 CO (mg/m³)
	LOCA	ΓΙΟΝ : Near PM <sub>2.5</sub>	Fuel Storage	Tank SO <sub>2</sub>	NO <sub>2</sub>	СО
Name of Week	LOCA' Particulars	ΓΙΟΝ : Near PM <sub>2.5</sub> (μg/m³)	Fuel Storage PM <sub>10</sub> (µg/m³)	Tank SO <sub>2</sub> (μg/m³)	NO <sub>2</sub> (μg/m³)	CO (mg/m³)
Name of Week	LOCA Particulars Weekly Average	ΓΙΟΝ : Near PM <sub>2.5</sub> (μg/m³) 26.6	Fuel Storage PM <sub>10</sub> (µg/m³) 52.9	Tank SO <sub>2</sub> (μg/m³) 7.3	NO <sub>2</sub> (μg/m³) 14.3	CO (mg/m³) 0.56

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: November 2023** 

Name of Week	Particulars	PM <sub>2.5</sub> (μg/m³)	PM <sub>10</sub> (μg/m³)	SO <sub>2</sub> (μg/m³)	NO <sub>2</sub> (μg/m³)	CO (mg/m³
1 <sup>st</sup>	Weekly Average	26.1	51.6	7.3	13.0	0.49
2 <sup>nd</sup>	Weekly Average	26.4	53.4	7.4	13.7	0.48
3rd	Weekly Average	24.3	48.7	6.7	12.7	0.47
4 <sup>th</sup>	Weekly Average	27.9	55.3	7.7	13.8	0.51
	LOCAT	ION : Near I	H2 Gas Cylin	der Shed		
Name of Week	Particulars	PM <sub>2.5</sub> (μg/m³)	PM <sub>10</sub> (μg/m³)	SO <sub>2</sub> (μg/m³)	NO <sub>2</sub> (μg/m³)	CO (mg/m³)
1 <sup>st</sup>	Weekly Average	27.7	53.8	7.5	14.2	0.58
2 <sup>nd</sup>	Weekly Average	26.3	52.5	7.2	13.8	0.56
3rd	Weekly Average	31.3	62.8	8.6	15.2	0.65
4 <sup>th</sup>	Weekly Average	26.4	52.5	7.0	13.4	0.57
Name of Week	Particulars	PM <sub>2.5</sub> (μg/m <sup>3</sup> )	PM <sub>10</sub> (μg/m <sup>3</sup> )	SO <sub>2</sub> (µg/m³)	NO <sub>2</sub> (µg/m <sup>3</sup> )	CO (mg/m³)
Carponia de San el di Algonio.		(μg/m³)	(μg/m³)	(μg/m³)	(μg/m³)	(mg/m <sup>3</sup> )
1st 2nd	Weekly Average	27.3	55.1	7.6	14.3	0.56
	Weekly Average	31.3	62.7	8.6	15.5	0.66
3rd	Weekly Average	25.8	51.0	6.9	13.4	0.59
Art.	YAT TT A					
4 <sup>th</sup>	Weekly Average	28.0	56.0	7.7	14.3	0.60
4th	, ,				14.3	0.60
4 <sup>th</sup> Name of Week	, ,		Fuel Storage PM <sub>10</sub> (µg/m³)		NO <sub>2</sub> (µg/m³)	0.60 CO (mg/m³)
	LOCA	TION : Near	Fuel Storage	e Tank SO <sub>2</sub>	NO <sub>2</sub>	СО
Name of Week	LOCA Particulars	TION : Near PM <sub>2.5</sub> (µg/m³)	Fuel Storage PM <sub>10</sub> (µg/m³)	Tank SO <sub>2</sub> (μg/m³)	NO <sub>2</sub> (μg/m³)	CO (mg/m³)
Name of Week	LOCA Particulars Weekly Average	TION : Near PM <sub>2.5</sub> (μg/m³) 26.8	Fuel Storage PM <sub>10</sub> (µg/m³) 54.7	2 Tank SO <sub>2</sub> (μg/m³) 7.6	NO <sub>2</sub> (μg/m³) 14.6	CO (mg/m³) 0.58

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: December 2023

Name of Week	Particulars	PM <sub>2.5</sub> (μg/m³)	PM <sub>10</sub> (μg/m <sup>3</sup> )	SO <sub>2</sub> (μg/m³)	NO <sub>2</sub> (μg/m³)	CO (mg/m³)
1st	Weekly Average	25.2	48.9	6.7	12.7	0.48
2nd	Weekly Average	28.5	57.7	8.1	14.0	0.56
3rd	Weekly Average	27.2	54.5	7.5	13.6	0.54
4 <sup>th</sup>	Weekly Average	29.0	57.5	8.1	14.2	0.56
	LOCAT	ION : Near I	H2 Gas Cylin	der Shed		
Name of Week	Particulars	PM <sub>2.5</sub> (μg/m³)	PM <sub>10</sub> (μg/m³)	SO <sub>2</sub> (μg/m³)	NO <sub>2</sub> (μg/m³)	CO (mg/m³)
1 <sup>st</sup>	Weekly Average	25.4	50.7	6.9	13.2	0.54
2 <sup>nd</sup>	Weekly Average	27.0	54.1	7.5	13.9	0.59
3rd	Weekly Average	30.0	60.1	8.2	14.7	0.64
4 <sup>th</sup>	Weekly Average	31.0	61.1	8.4	15.1	0.65
Name of Week	LOCATION : Nea Particulars	PM <sub>2.5</sub> (μg/m³)	wer 22 (Ceme PM <sub>10</sub> (μg/m³)	ent Grinding SO <sub>2</sub> (µg/m³)	Unit) NO <sub>2</sub> (µg/m³)	CO (mg/m³)
1st	Weekly Average	28.1	55.9	6.9	13.3	0.57
2 <sup>nd</sup>	Weekly Average	29.5	59.1	8.3	14.9	
	Trecht III ciuse				11.7	0.63
3rd	Weekly Average	28.9	58.7	7.8	14.4	0.63
3 <sup>rd</sup>		28.9 31.1	58.7 60.9	7.8 8.5		
	Weekly Average Weekly Average	31.1	60.9	8.5	14.4	0.61
	Weekly Average Weekly Average	31.1		8.5 P Tank SO <sub>2</sub>	14.4 15.2 NO <sub>2</sub>	0.61 0.66
4 <sup>th</sup>	Weekly Average Weekly Average LOCA	31.1 TION : Near	60.9 Fuel Storage	8.5 Pank	14.4 15.2	0.61
4 <sup>th</sup>	Weekly Average Weekly Average  LOCA Particulars	31.1 TION : Near PM <sub>2.5</sub> (µg/m³)	Fuel Storage PM <sub>10</sub> (µg/m³)	8.5 • Tank SO <sub>2</sub> (µg/m³)	14.4 15.2 NO <sub>2</sub> (µg/m³)	0.61 0.66 CO (mg/m³)
4 <sup>th</sup> Name of Week	Weekly Average Weekly Average  LOCA Particulars Weekly Average	31.1 TION : Near PM <sub>2.5</sub> (µg/m³) 29.9	60.9 Fuel Storage PM <sub>10</sub> (μg/m³) 60.3	8.5  P. Tank  SO <sub>2</sub> (µg/m³)  7.7	14.4 15.2 NO <sub>2</sub> (μg/m³) 14.1	0.61 0.66 CO (mg/m³) 0.58

For Jaypee Nigrie Cement Grinding Unit

**Authorized Signatory** 

duan Jolly

### JAYPEE NIGRIE CEMENT GRINDING UNIT

(A Unit of Jaiprakash Power Ventures Limited)

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

Period - October 2023 - December 2023

Sr.No.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLING EQUIPMENT)	AVG. DUST CONC. (mg/Nm <sup>3</sup> )			
		Oct-23	Nov-23	Dec-23	
1	Roller Press	Shutdown	Shutdown	Shutdown	
2	Cement Mill	Shutdown	Shutdown	Shutdown	

Note: - Unit has been shutdown during this Quarter (October, 23 -December, 23)

For Jaypee Nigrie Cement Grinding Unit

**Authorized Signatory**