### JAYPEE NIGRIE CEMENT GRINDING UNIT

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED



INCGU/ENV/2021/03

Date - 07.10.2021

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, Stack Emission Monitoring Reports for the Quarter (July, 2021- September, 2021) for Jaypee Nigrie Cement Grinding (A Unit of M/s Jaiprakash Power Ventures Ltd.)

Thanking You,

Yours Sincerely, For Jaypee Nigrie Cement Grinding Unit (A Unit of Jaiprakash Power Ventures Ltd.)

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**Nadim Ahmad Khan** Vice - President (Chemistry & Environment)

Encl: - As Above

Regional Officer CC. M.P. Pollution Control Board, Bhakuar, Naugadh, District: Singrauli (MP) - 486669 - For kind information please.



Site

: Jaypee Nigrie Cement Grinding Unit, Village & P.O. Nigrie, Tehsil Sarai Distt. Singrauli (M.P.) Ph.: +91 (7801) 286021 - 36 Fax: +91 (7801) 286020

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, 2021

Name of Week	Particulars	PM2.5 (μg/m³)	PM10 (μg/m³)	SO2 (μg/m³)	NO2 (μg/m³)	CO (mg/m³)
1st	Weekly Average	20.0	40.7	4.2	11.6	0.401
2 <sup>nd</sup>	Weekly Average	17.5	34.3	3.4	9.3	0.318
3rd	Weekly Average	12.2	23.2	2.7	9.0	0.269
4 <sup>th</sup>	Weekly Average	13.1	27.6	3.9	9.4	0.248
	LOCAT	ION : Near H	H <sub>2</sub> 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	21.4	44.0	5.2	11.4	0.426
2 <sup>nd</sup>	Weekly Average	22.5	43.8	5.7	12.2	0.413
3rd	Weekly Average	15.4	33.1	4.0	10.4	0.372
4th	Weekly Average	13.3	29.6	4.4	10.7	0.417
Name of Week	LOCATION : Nea Particulars	r Watch Tow PM2.5 (μg/m³)	ver 22 (Ceme PM10 (μg/m³)	nt Grinding SO2 (µg/m³)	Unit) NO2 (μg/m³)	CO (mg/m³)
1st	Weekly Average	24.3	52.9	6.6	14.0	0.533
2 <sup>nd</sup>	Weekly Average	19.3	45.1	5.9	13.6	0.429
3rd	Weekly Average	15.3	30.3	4.0	10.0	0.406
4 <sup>th</sup>	Weekly Average	14.5	31.3	5.4	12.5	0.388
	IOCA	TION : Near	Fuel Storage	Tank		
	LUCA		0	SO2	NO2	СО
Name of Week	Particulars	PM2.5 (μg/m³)	PM10 (μg/m³)	(μg/m³)	(μg/m³)	
Name of Week		1000.000.000.000.000	THE STATE OF THE S	The second second	(μg/m³) 14.0	(mg/m³) 0.553
	Particulars	(μg/m³)	(μg/m³)	(μg/m³)		(mg/m³)
1st	Particulars Weekly Average	(μg/m³) 28.9	(μg/m³) 57.7	(μg/m³) 7.4	14.0	(mg/m³) 0.553

For Jaypee Nigrie Cement Grinding Unit

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

#### AMBIENT AIR QUALITY MONITORING REPORT

MONTH: August, 2021

	LOCA	ATION : Near	And the Control of th			
Name of Week	Particulars	PM2.5 (μg/m³)	PM10 (μg/m³)	SO2 (μg/m³)	NO2 (μg/m³)	CO (mg/m³)
1st	Weekly Average	11.4	24.6	5.5	9.3	0.285
2 <sup>nd</sup>	Weekly Average	14.3	26.8	5.6	10.0	0.250
3rd	Weekly Average	12.3	23.4	6.0	9.0	0.231
4 <sup>th</sup>	Weekly Average	15.0	32.1	5.6	10.7	0.316
	LOCAT	TION : Near I	H <sub>2</sub> Gas Cyline	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	15.5	34.5	5.4	9.9	0.320
2 <sup>nd</sup>	Weekly Average	16.9	33.8	5.5	9.6	0.343
3rd	Weekly Average	12.9	27.1	5.6	11.7	0.328
4th	Weekly Average	16.0	33.9	5.7	12.7	0.438
	LOCATION : Ne	on Watch Tox	22 (Come	nt Crinding	I Init\	
	LOCATION : Ne	PM2.5	PM10	SO2	NO2	СО
Name of Week	Particulars	(μg/m³)	(μg/m³)	(μg/m³)	(μg/m³)	(mg/m <sup>3</sup> )
1 <sup>st</sup>	Weekly Average	14.3	28.1	5.9	11.2	0.419
2 <sup>nd</sup>	Weekly Average	19.4	40.1	5.7	14.5	0.355
3rd	Weekly Average	13.3	24.8	5.4	10.4	0.316
	1					
4 <sup>th</sup>	Weekly Average	21.2	40.6	5.8	13.8	0.492
4 <sup>th</sup>	Weekly Average				13.8	0.492
4 <sup>th</sup> Name of Week	Weekly Average	ATION : Nea PM2.5	r Fuel Storag	e Tank SO2	NO2	СО
	Weekly Average  LOCA  Particulars	ATION : Nea	r Fuel Storag	e Tank		
Name of Week	Weekly Average	ATION : Nea PM2.5 (µg/m³)	r Fuel Storag PM10 (μg/m³)	e Tank SO2 (μg/m³)	NO2 (μg/m³)	CO (mg/m³
Name of Week	Weekly Average  LOCA  Particulars  Weekly Average	ATION : Nea PM2.5 (μg/m³) 17.4	r Fuel Storag  PM10 (μg/m³)  38.6	e Tank SO2 (µg/m³) 5.7	NO2 (μg/m³) 11.5	CO (mg/m³ 0.492

For Jaypee Nigrie Cement Grinding Unit

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

### AMBIENT AIR QUALITY MONITORING REPORT

MONTH: September, 2021

	LOCA	TION: Near	STP (Colony	Area)		
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	18.7	32.2	4.9	11.1	0.321
2nd	Weekly Average	19.5	39.1	5.3	10.9	0.365
3rd	Weekly Average	16.2	33.1	5.6	11.8	0.296
4th	Weekly Average	17.9	36.6	5.2	10.5	0.372
	LOCAT	ION : Near I	H <sub>2</sub> Gas Cylino	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	23.5	43.5	6.0	12.6	0.382
2 <sup>nd</sup>	Weekly Average	21.3	40.9	6.7	11.2	0.406
3rd	Weekly Average	24.5	41.6	7.9	13.0	0.398
4th	Weekly Average	19.4	39.0	5.3	12.4	0.412
	LOCATION : Ne	ar Watch To	wer 22 (Ceme	ent Grinding	Unit)	
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	22.5	47.3	5.4	13.7	0.440
2 <sup>nd</sup>	Weekly Average	19.8	38.0	5.8	14.0	0.414
3rd	Weekly Average	26.9	54.3	6.9	11.7	0.460
4 <sup>th</sup>	Weekly Average	23.6	48.5	6.6	12.5	0.569
	LOCA	ATION : Nea	r Fuel Storag	e Tank		* 1
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	51.2	6.8	13.4	0.500
	Weekly Average	22.1	43.9	6.0	12.2	0.530
2 <sup>nd</sup>	Weekly Average					
2nd 3rd	Weekly Average	30.3	55.3	7.3	15.2	0.669

For Jaypee Nigrie Cement Grinding Unit

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, 2021 - September, 2021

Sr.No.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLING EQUIPMENT)	DUST CONC. (mg/Nm3)			
		Jul-21	Aug-21	Sep-21	
1	Roller Press	1.84	1.83	1.76	
2	Cement Mill	1.44	1.44	1.26	

Note: Plant has been run only for 21.41 Hrs during this Quarter(July,21-Sept,21).

For Jaypee Nigrie Cement Grinding Unit

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