### A VNIT OF JAIPRAKASH POWER VENTURES LIMITED



JNCGU/ENV/2022-23/03

Date-11.01.2023

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 (October, 2022- December, 2022) 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.)

Nadim Ahmad Khan

Vice - President (Chemistry & Environment)

Encl: - As Above

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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) 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: October - 2022

	LOCA		STP -(Colony			
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	19.2	41.5	5.1	11.0	0.52
2nd	Weekly Average	21.1	43.8	6.0	10.3	0.54
3rd	Weekly Average	24.8	50.2	6.2	13.3	0.54
4 <sup>th</sup>	Weekly Average	25.0	51.0	6.9	11.7	0.51
	LOCATI	ON : Near H	2 Gas Cylind	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	23.0	46.9	6.5	13.3	0.59
2nd	Weekly Average	25.1	51.8	7.5	11.9	0.52
3rd	Weekly Average	28.2	56.4	9.4	15.2	0.61
4th	Weekly Average	24.7	52.5	7.0	11.0	0.55
Name of Week	LOCATION : Nea Particulars	PM2.5	PM10	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3
1st		(µg/m3) 22.7	(μg/m3) 46.1	(μg/m3) 5.6	(μg/m3) 12.9	0.51
2nd	Weekly Average Weekly Average	23.7	48.4	5.9	10.9	0.51
3rd	Weekly Average	29.0	60.6	8.3	14.8	0.59
4th	Weekly Average	29.7	60.7	7.3	14.1	0.53
4	Weekly Average	23.1	00.7	7.5	14.1	0.55
	1004	TION : Near	Fuel Storage	e Tank		
	LOCA			SO2	NO2	CO
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	(µg/m3)	(µg/m3)	
Name of Week	I- I				(μg/m3) 14.2	(mg/m3 0.58
	Particulars	(μg/m3)	(µg/m3)	(µg/m3)		(mg/m3
1st	Particulars Weekly Average	(μg/m3) 24.8	(μg/m3) 52.4	(μg/m3) 8.4	14.2	(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: November - 2022

Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (µg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	21.6	46.2	6.3	12.5	0.53
2 <sup>nd</sup>	Weekly Average	20.1	45.1	6.0	12.1	0.51
3rd	Weekly Average	22.3	47.1	6.3	12.6	0.56
4 <sup>th</sup>	Weekly Average	23.6	49.7	6.9	13.7	(<0.5)
	LOCAT	ION : Near I	H2 Gas Cylin	nder 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	25.1	51.3	7.0	13.2	0.52
2 <sup>nd</sup>	Weekly Average	23.0	45.9	6.7	12.7	0.59
3rd	Weekly Average	23.9	48.0	6.9	11.9	0.53
4 <sup>th</sup>	Weekly Average	25.3	52.2	6.4	11.9	0.55
Name of Week	LOCATION : Ne	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3
1st	Weekly Average	25.5	50.7	6.4	13.0	0.52
2 <sup>nd</sup>	Weekly Average	26.8	52.9	6.9	13.4	0.57
			E0.0	7.8	14.6	
3rd	Weekly Average	31.1	58.8	7.0	14.0	0.53
3rd 4th	Weekly Average Weekly Average	31.1 27.6	56.1	7.0	13.2	0.53 0.54
	Weekly Average	27.6	56.1	7.1	5.555	
	Weekly Average	Charles .	56.1	7.1	5.555	
4 <sup>th</sup>	Weekly Average	27.6 ATION : Nea PM2.5	56.1 r Fuel Stora PM10	7.1 ge Tank	13.2	0,54 CO
4 <sup>th</sup> Name of Week	Weekly Average  LOCA  Particulars	27.6 ATION : Nea PM2.5 (µg/m3)	56.1 r Fuel Stora PM10 (µg/m3)	7.1 ge Tank SO2 (μg/m3)	13.2 NO2 (μg/m3)	0.54 CO (mg/m3
4 <sup>th</sup> Name of Week  1 <sup>st</sup>	LOCA Particulars Weekly Average	27.6 ATION : Nea PM2.5 (µg/m3) 26.7	56.1 r Fuel Stora PM10 (µg/m3) 52.8	7.1 ge Tank SO2 (µg/m3) 9.0	13.2 NO2 (µg/m3) 15.3	0.54 CO (mg/m3 0.59

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 - 2022

	LOCA	TION: Near	STP -(Colo	ny Area)		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	21.9	46.7	5.9	12.7	0.54
2 <sup>nd</sup>	Weekly Average	22.3	46.5	6.5	12.6	0.52
3rd	Weekly Average	27.8	51.6	7.5	13.6	0.57
4 <sup>th</sup>	Weekly Average	23.1	46.0	5.8	12.0	0.51
	LOCAT	ION : Near I	H2 Gas Cylin	nder Shed		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	25.4	52.0	7.6	13.0	0.52
2 <sup>nd</sup>	Weekly Average	24.5	47.5	7.1	13.4	0.63
3rd	Weekly Average	26.9	54.0	8.9	15.1	0.58
4 <sup>th</sup>	Weekly Average	25.7	52.0	6.0	12.1	0.53
Name of Week	LOCATION : Ne Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (µg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	26.9	52.6	6.8	13.6	0.52
2 <sup>nd</sup>	Weekly Average	26.6	53.6	7.5	14.6	0.59
3rd	Weekly Average	31.9	63.9	9.0	15.2	0.53
4 <sup>th</sup>	Weekly Average	29.9	61.9	8.5	12.3	0.62
	LOCA	ATION : Nea	r Fuel Stora	ge Tank		
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	52.0	8.3	14.0	0.59
	TA7 - 1 1 - A	24.2	51.4	6.3	11.9	0.52
2nd	Weekly Average	CONTRACTOR OF THE PARTY OF THE				
2nd 3rd	Weekly Average Weekly Average	28.9	56.5	8.5	15.7	0.63

For Jaypee Nigrie Cement Grinding Unit

**Authorized Signatory** 

#### JAYPEE NIGRIE CEMENT GRINDING UNIT

(A Unit of Jaiprakash Power Ventures Limited)

Annexure - II

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

Period - October, 2022 - December, 2022

Sr.No.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLING EQUIPMENT)	DUST CONC. (mg/Nm3)			
		Oct-22	Nov-22	Dec-22	
1	Roller Press	Shutdown	Shutdown	Shutdown	
2	Cement Mill	Shutdown	Shutdown	Shutdown	

Note: - Cement Grinding Unit has been shutdown during this Quarter(Oct,22-Dec,22).

For Jaypee Nigrie Cement Grinding Unit

Authorized Signatory

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