JAYPEE NIGRIE CEMENT GRINDING UNIT

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED



JNCGU/ENV/2022/02

Bhopal (M.P.) - 462016

Date-06.10.2022

To The Member Secretary, M.P. Pollution Control Board, Parayavaran Parisar, E-5 Arera Colony

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, 2022- September, 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

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: July - 2022

	LOCA	TION : Near			****	
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3
1st	Weekly Average	24.0	51.6	5.9	10.4	0.391
2nd	Weekly Average	27.9	54.0	7.0	13.0	0.477
3rd	Weekly Average	24.5	46.1	6.1	10.3	0.373
4th	Weekly Average	19.0	41.2	5.5	9.2	0.305
	LOCATI	ON : Near H	I2 Gas Cylind	der Shed		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3
1 st	Weekly Average	29.8	55.4	8.2	13.8	0.539
2 nd	Weekly Average	37.8	58.9	7.6	14.4	0.559
3rd	Weekly Average	26.5	53.2	7.1	11.2	0.475
4 th	Weekly Average	27.2	52.5	8.1	12.4	0.441
	LOCATION : Nea					
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3
1 st	Weekly Average	26.9	56.4	7.3	12.8	
						0.569
2 nd	Weekly Average	31.0	67.5	8.7	15.4	0.569 0.604
2nd 3rd	Weekly Average Weekly Average	31.0 29.8	67.5 59.2	8.7 7.0	15.4 12.0	1000000
		3,9310.5	1/2/4/2/	05000	V-0.00000	0.604
3rd	Weekly Average Weekly Average	29.8 26.1	59.2 52.0	7.0 6.0	12.0	0.604 0.444
3rd 4th	Weekly Average Weekly Average LOCA	29.8 26.1 TION : Near	59.2 52.0 Fuel Storage	7.0 6.0	12.0 11.2	0.604 0.444 0.436
3rd	Weekly Average Weekly Average	29.8 26.1	59.2 52.0	7.0 6.0	12.0	0.604 0.444
3rd 4th	Weekly Average Weekly Average LOCA	29.8 26.1 TION : Near PM2.5	59.2 52.0 Fuel Storage PM10	7.0 6.0 Tank SO2	12.0 11.2 NO2	0.604 0.444 0.436
3rd 4th Name of Week	Weekly Average Weekly Average LOCA Particulars	29.8 26.1 TION: Near PM2.5 (µg/m3)	59.2 52.0 Fuel Storage PM10 (µg/m3)	7.0 6.0 Tank SO2 (µg/m3)	12.0 11.2 NO2 (µg/m3)	0.604 0.444 0.436
3rd 4th Name of Week	Weekly Average Weekly Average LOCA Particulars Weekly Average	29.8 26.1 TION: Near PM2.5 (µg/m3) 32.8	59.2 52.0 Fuel Storage PM10 (μg/m3) 63.6	7.0 6.0 Tank SO2 (µg/m3) 7.7	12.0 11.2 NO2 (µg/m3) 12.2	0.604 0.444 0.436 CO (mg/m3 0.620

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 - 2022

Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (µg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	20.5	43.7	5.5	11.1	BLQ (LOQ-0.50)
2nd	Weekly Average	16.0	41.9	5.9	10.0	0.58
3rd	Weekly Average	15.2	39.5	5.7	10.5	0.55
4 th	Weekly Average	16.4	38.2	5.2	11.3	BLQ (LOQ-0.50
	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 st	Weekly Average	23.4	50.2	6.8	11.4	0.53
2 nd	Weekly Average	24.0	51.1	6.1	10.4	0.54
3rd	Weekly Average	19.5	43.5	5.7	12.2	BLQ (LOQ-0.50
4th	Weekly Average	18.4	48.0	6.5	11.6	0.55
	LOCATION - No	or Match To	22 (Com	ant Crinding	Linit	_
Name of Week	LOCATION : Ne	PM2.5	wer 22 (Cem PM10 (μg/m3)	nent Grinding SO2 (µg/m3)	Unit) NO2 (µg/m3)	CO (mg/m3)
Name of Week			PM10			CO (mg/m3) 0.53
	Particulars	PM2.5 (μg/m3)	PM10 (µg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	(mg/m3)
1st	Particulars Weekly Average	PM2.5 (μg/m3) 22.4	PM10 (μg/m3) 50.8	SO2 (µg/m3) 5.5	NO2 (μg/m3) 10.6	(mg/m3) 0.53
1 st 2 nd	Particulars Weekly Average Weekly Average	PM2.5 (μg/m3) 22.4 20.2	PM10 (µg/m3) 50.8 53.0	SO2 (μg/m3) 5.5 7.0	NO2 (µg/m3) 10.6 13.3	(mg/m3) 0.53 0.61
1st 2nd 3rd	Particulars Weekly Average Weekly Average Weekly Average Weekly Average	PM2.5 (μg/m3) 22.4 20.2 18.0	PM10 (µg/m3) 50.8 53.0 45.5 46.4	SO2 (μg/m3) 5.5 7.0 6.0 6.5	NO2 (µg/m3) 10.6 13.3 11.5	(mg/m3) 0.53 0.61 0.57 BLQ
1st 2nd 3rd	Particulars Weekly Average Weekly Average Weekly Average Weekly Average	PM2.5 (μg/m3) 22.4 20.2 18.0 21.5	PM10 (µg/m3) 50.8 53.0 45.5 46.4	SO2 (μg/m3) 5.5 7.0 6.0 6.5	NO2 (µg/m3) 10.6 13.3 11.5	(mg/m3) 0.53 0.61 0.57 BLQ
1st 2nd 3rd 4th	Particulars Weekly Average Weekly Average Weekly Average Weekly Average	PM2.5 (μg/m3) 22.4 20.2 18.0 21.5 ATION : Nea	PM10 (µg/m3) 50.8 53.0 45.5 46.4 r Fuel Stora PM10	SO2 (μg/m3) 5.5 7.0 6.0 6.5 ge Tank	NO2 (μg/m3) 10.6 13.3 11.5 13.1	(mg/m3) 0.53 0.61 0.57 BLQ (LOQ-0.50
1st 2nd 3rd 4th	Particulars Weekly Average Weekly Average Weekly Average Weekly Average LOCA Particulars	PM2.5 (μg/m3) 22.4 20.2 18.0 21.5 ATION: Nea PM2.5 (μg/m3)	PM10 (µg/m3) 50.8 53.0 45.5 46.4 r Fuel Stora PM10 (µg/m3)	SO2 (μg/m3) 5.5 7.0 6.0 6.5 ge Tank SO2 (μg/m3)	NO2 (μg/m3) 10.6 13.3 11.5 13.1 NO2 (μg/m3)	(mg/m3) 0.53 0.61 0.57 BLQ (LOQ-0.50 CO (mg/m3)
1st 2nd 3rd 4th Name of Week 1st	Particulars Weekly Average Weekly Average Weekly Average Weekly Average LOCA Particulars Weekly Average	PM2.5 (μg/m3) 22.4 20.2 18.0 21.5 ATION : Nea PM2.5 (μg/m3) 25.9	PM10 (µg/m3) 50.8 53.0 45.5 46.4 r Fuel Stora PM10 (µg/m3) 55.5	SO2 (μg/m3) 5.5 7.0 6.0 6.5 ge Tank SO2 (μg/m3) 7.0	NO2 (μg/m3) 10.6 13.3 11.5 13.1 NO2 (μg/m3) 13.6	(mg/m3) 0.53 0.61 0.57 BLQ (LOQ-0.50 CO (mg/m3) 0.56

*BLQ - Below Limit of Quantification, LOQ - Limit of Quantification

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 - 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	17.3	43.3	5.4	9.9	BLQ (LOQ-0.50
2 nd	Weekly Average	17.1	41.5	5.7	11.0	0.52
3rd	Weekly Average	17.8	42.6	6.2	11.9	BLQ (LOQ-0.50
4th	Weekly Average	20.3	48.2	7.0	12.7	0.53
	LOCAT	TON . Non I	In Can Cali	n don Chod		
		ION : Near I PM2.5	PM10		NO2	СО
Name of Week	Particulars	(μg/m3)	(μg/m3)	SO2 (μg/m3)	(μg/m3)	(mg/m3)
1st	Weekly Average	20.7	45.8	6.7	11.9	0.55
2 nd	Weekly Average	26.3	55.3	8.1	13.9	BLQ (LOQ-0.50
3rd	Weekly Average	23.0	48.5	6.8	11.1	BLQ (LOQ-0.50
4 th	Weekly Average	26.8	55.7	8.0	15.0	0.51
		2020			S 144	
	LOCATION : Ne			nent Grinding U		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (µg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	19.1	49.9	5.9	11.7	BLQ (LOQ-0.50
2 nd	Weekly Average	18.4	45.0	5.5	11.3	0.51
3rd	Weekly Average	21.6	48.8	6.4	13.6	0.55
4 th	Weekly Average	25.1	55.1	7.3	12.3	BLQ (LOQ-0.50
	LOCA	ATION : Nea	r Fral Stora	go Tank		
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	48.8	7.7	13.7	0.60
2nd	Weekly Average	20.8	47.7	6.3	12.9	0.50
3rd	Weekly Average	25.3	56.5	6.6	14.2	0.53
4 th	Weekly Average	27.6	57.1	8.4	16.1	0.54

*BLQ - Below Limit of Quantification, LOQ - Limit of Quantification

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)

Month - July 2022 - September 2022

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

Note: - Unit shutdown during this Quarter(July,22-Sept,22).

For Jaypee Nigrie Cement Grinding Unit