JAYPEE NIGRIE CEMENT GRINDING UNIT

A UNIT OF JAIPRAKASH POWER VENTURES LIMITED



JNCGU/ENV/2021/01

Date-05.04.2021

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 Monitoring Reports for the Quarter (January 2021 - March 2021) for Jaypee Nigrie Cement Grinding 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.)

Vinod Sharma Sr. President

Encl: - As Above

CC. Regional Officer,

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: January 2021

Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	15.6	47.6	5.0	10.1	0.404
2 nd	Weekly Average	16.8	37.1	4.1	11.3	0.338
3rd	Weekly Average	17.8	41.0	4.8	9.9	0.447
4 th	Weekly Average	12.9	34.5	3.7	10.4	0.322
	LOCATI	ON : Near H	I2 Gas Cyling	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	28.7	55.6	8.4	12.9	0.565
2nd	Weekly Average	29.9	63.4	8.0	14.6	0.523
3rd	Weekly Average	19.6	50.6	5.8	11.9	0.444
4 th	Weekly Average	24.1	49.7	6.2	11.5	0.542
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Name of Week	LOCATION : Nea Particulars	PM2.5	PM10	SO2	NO2	CO
Name of Week						(mg/m3)
	Particulars	PM2,5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	(mg/m3) 0.610
1st	Particulars Weekly Average	PM2.5 (μg/m3) 31.7	PM10 (μg/m3) 69.7	SO2 (μg/m3) 7.0	NO2 (μg/m3) 13.6	(mg/m3)
1st 2nd	Particulars Weekly Average Weekly Average	PM2.5 (μg/m3) 31.7 29.2	PM10 (μg/m3) 69.7 60.4	SO2 (μg/m3) 7.0 7.9	NO2 (µg/m3) 13.6 16.1	(mg/m3) 0.610 0.554
1st 2nd 3rd	Particulars Weekly Average Weekly Average Weekly Average Weekly Average	PM2.5 (µg/m3) 31.7 29.2 27.0 31.1	PM10 (µg/m3) 69.7 60.4 54.4 62.7	SO2 (μg/m3) 7.0 7.9 5.7 6.2	NO2 (μg/m3) 13.6 16.1 12.6	(mg/m3) 0.610 0.554 0.501
1st 2nd 3rd	Particulars Weekly Average Weekly Average Weekly Average Weekly Average	PM2.5 (μg/m3) 31.7 29.2 27.0 31.1 TION : Near PM2.5	PM10 (µg/m3) 69.7 60.4 54.4 62.7 Fuel Storage	SO2 (μg/m3) 7.0 7.9 5.7 6.2 Tank SO2	NO2 (μg/m3) 13.6 16.1 12.6 14.4	(mg/m3) 0.610 0.554 0.501 0.436
1st 2nd 3rd 4th	Particulars Weekly Average Weekly Average Weekly Average Weekly Average LOCA	PM2.5 (μg/m3) 31.7 29.2 27.0 31.1	PM10 (µg/m3) 69.7 60.4 54.4 62.7	SO2 (μg/m3) 7.0 7.9 5.7 6.2	NO2 (μg/m3) 13.6 16.1 12.6 14.4	(mg/m3) 0.610 0.554 0.501 0.436
1st 2nd 3rd 4th	Particulars Weekly Average Weekly Average Weekly Average Weekly Average LOCA Particulars	PM2.5 (μg/m3) 31.7 29.2 27.0 31.1 TION: Near PM2.5 (μg/m3)	PM10 (μg/m3) 69.7 60.4 54.4 62.7 Fuel Storage PM10 (μg/m3)	SO2 (μg/m3) 7.0 7.9 5.7 6.2 Tank SO2 (μg/m3)	NO2 (μg/m3) 13.6 16.1 12.6 14.4 NO2 (μg/m3)	(mg/m3) 0.610 0.554 0.501 0.436
1st 2nd 3rd 4th Name of Week	Particulars Weekly Average Weekly Average Weekly Average Weekly Average LOCA Particulars Weekly Average	PM2.5 (μg/m3) 31.7 29.2 27.0 31.1 TION : Near PM2.5 (μg/m3) 35.2	PM10 (µg/m3) 69.7 60.4 54.4 62.7 Fuel Storage PM10 (µg/m3) 72.7	SO2 (μg/m3) 7.0 7.9 5.7 6.2 Tank SO2 (μg/m3) 8.9	NO2 (µg/m3) 13.6 16.1 12.6 14.4 NO2 (µg/m3) 16.0	(mg/m3) 0.610 0.554 0.501 0.436 CO (mg/m3) 0.698

For Jaypee Nigrie Cement Grinding Unit

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: February 2021

	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)
1 st	Weekly Average	19.6	46.6	7.1	12.0	0.367
2 nd	Weekly Average	20.9	43.0	6.3	11.2	0.449
3rd	Weekly Average	17.6	44.3	6.0	9.2	0.307
4 th	Weekly Average	17.2	36.7	3.3	10.9	0.350
	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	26.0	55.8	7.7	11.3	0.469
2 nd	Weekly Average	31.9	58.6	9.5	16.2	0.489
3rd	Weekly Average	19.6	50.6	5.8	11.9	0.444
4th	Weekly Average	18.0	47.6	6.8	12.8	0.488
US USA 75			Wei 22 ICen	lent Griname	Unit)	
Name of Week	Particulars	PM2.5	PM10	SO2 (µg/m3)	Unit) NO2 (μg/m3)	CO
Name of Week						(mg/m3)
	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	(mg/m3) 0.520
1st	Particulars Weekly Average	PM2.5 (μg/m3) 28.1	PM10 (μg/m3) 63.0	SO2 (μg/m3) 6.2	NO2 (μg/m3) 13.6	(mg/m3) 0.520 0.668
1st 2nd	Particulars Weekly Average Weekly Average	PM2.5 (µg/m3) 28.1 27.9	PM10 (µg/m3) 63.0 57.4	SO2 (μg/m3) 6.2 8.3	NO2 (μg/m3) 13.6 14.5	(mg/m3) 0.520
1st 2nd 3rd	Particulars Weekly Average Weekly Average Weekly Average Weekly Average	PM2.5 (μg/m3) 28.1 27.9 21.8 26.3	PM10 (μg/m3) 63.0 57.4 49.3 56.2	SO2 (μg/m3) 6.2 8.3 4.8 6.9	NO2 (μg/m3) 13.6 14.5 9.3	(mg/m3) 0.520 0.668 0.434
1st 2nd 3rd	Particulars Weekly Average Weekly Average Weekly Average Weekly Average	PM2.5 (µg/m3) 28.1 27.9 21.8	PM10 (μg/m3) 63.0 57.4 49.3 56.2	SO2 (μg/m3) 6.2 8.3 4.8 6.9	NO2 (μg/m3) 13.6 14.5 9.3	(mg/m3) 0.520 0.668 0.434 0.460
1st 2nd 3rd 4th	Particulars Weekly Average Weekly Average Weekly Average Weekly Average	PM2.5 (μg/m3) 28.1 27.9 21.8 26.3 ATION : Nea	PM10 (µg/m3) 63.0 57.4 49.3 56.2 r Fuel Storag	SO2 (μg/m3) 6.2 8.3 4.8 6.9 ge Tank	NO2 (µg/m3) 13.6 14.5 9.3 11.4	(mg/m3) 0.520 0.668 0.434 0.460
1st 2nd 3rd 4th	Particulars Weekly Average Weekly Average Weekly Average Weekly Average LOCA Particulars	PM2.5 (μg/m3) 28.1 27.9 21.8 26.3 ATION : Nea PM2.5 (μg/m3)	PM10 (μg/m3) 63.0 57.4 49.3 56.2 r Fuel Storas PM10 (μg/m3)	SO2 (μg/m3) 6.2 8.3 4.8 6.9 ge Tank SO2 (μg/m3)	NO2 (µg/m3) 13.6 14.5 9.3 11.4 NO2 (µg/m3)	(mg/m3) 0.520 0.668 0.434 0.460
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) 28.1 27.9 21.8 26.3 ATION: Nea PM2.5 (μg/m3) 37.5	PM10 (µg/m3) 63.0 57.4 49.3 56.2 r Fuel Storag PM10 (µg/m3) 73.4	SO2 (μg/m3) 6.2 8.3 4.8 6.9 ge Tank SO2 (μg/m3) 7.9	NO2 (µg/m3) 13.6 14.5 9.3 11.4 NO2 (µg/m3) 18.2	(mg/m3) 0.520 0.668 0.434 0.460 CO (mg/m3) 0.577

For Jaypee Nigrie Cement Grinding Unit

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: March 2021

	LOCA	TION : Near	STP -(Colo	ony Area)		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	20.7	46.8	7.0	11.7	0.429
2 nd	Weekly Average	22.5	44.5	6.2	10.7	0.471
3rd	Weekly Average	17.7	39.9	4.3	9.0	0.384
4th	Weekly Average	27.3	61.8	8.6	12.2	0.500
	LOCAT	ION : Near I	H2 Gas Cyli	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	27.8	59.3	5.7	10.7	0.368
2 nd	Weekly Average	34.5	61.1	11.2	15.2	0.494
3rd	Weekly Average	21.4	52.3	8.9	11.4	0.641
4 th	Weekly Average	36.2	69.5	10.0	16.4	0.632
Name of Week	LOCATION : Nea	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2	СО
1st	Weekly Average	30.0	65.4	5.9	(μg/m3) 13.2	(mg/m3)
2nd	Weekly Average	28.8	58.8	8.0	15.1	0.473
12000						0.500
3rd	Weekly Average	313	0.5000000		11-11-11	0.588
3rd 4th	Weekly Average Weekly Average	313 34.0	57.1	6.8	11.2	0.500
-		3555555	A. C.		11-11-11	
-	Weekly Average	34.0	57.1 72.5	6.8 9.4	11.2	0.500
4th Name of Week	Weekly Average	3555555	57.1 72.5	6.8 9.4	11.2 15.4 NO2	0.500 0.555
4th Name of Week	LOCA Particulars Weekly Average	34.0 TION : Near PM2.5	57.1 72.5 Fuel Storag	6.8 9.4 ge Tank	11.2 15.4 NO2 (µg/m3)	0.500 0.555 CO (mg/m3)
4th Name of Week	LOCA Particulars Weekly Average Weekly Average	34.0 TION : Near PM2.5 (µg/m3)	57.1 72.5 Fuel Storag PM10 (μg/m3)	6.8 9.4 ge Tank SO2 (μg/m3)	11.2 15.4 NO2 (µg/m3) 17.9	0.500 0.555 CO (mg/m3) 0.528
4th Name of Week	LOCA Particulars Weekly Average	34.0 TION : Near PM2.5 (µg/m3) 40.6	57.1 72.5 Fuel Storag PM10 (μg/m3) 77.9	6.8 9.4 ge Tank SO2 (μg/m3) 8.9	11.2 15.4 NO2 (µg/m3)	0.500 0.555 CO (mg/m3)

For Jaypee Nigrie Cement Grinding Unit

JAYPEE NIGRIE CEMENT GRINDING UNIT

(A Division of Jaiprakash Power Ventures Limited)

Annexure - II

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

Month - January 2021 - March 2021

	UNIT STACK ATTACHED WITH	DUST CONC. (mg/Nm3)			
Sr.No.	PCE (POLLUTION CONTROLING EQUIPMENT)	Jan-21	Feb-21	Mar-21	
1	Roller Press	Shutdown	Shutdown	1.85	
2	Cement Mill	Shutdown	Shutdown	1.42	

For Jaypee Nigrie Cement Grinding Unit