JAYPEE NIGRIE CEMENT GRINDING UNIT



A UNIT OF JAIPRAKASH POWER VENTURES LIMITED

INCGU/ENV/2022/01

Date-08.04.2022

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 (January, 2022- March, 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



: Jaypee Nigrie Cement Grinding Unit, Village & P.O. Nigrie, Tehsil Sarai Site 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, 2022

		TION : Near				
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3
1 st	Weekly Average	14.9	35.6	5.5	10.1	0.308
2nd	Weekly Average	17.4	40.6	6.6	12.7	0.388
3rd	Weekly Average	16.8	37.2	5.8	10.8	0.324
4 th	Weekly Average	21.5	44.9	6.9	12.9	0.434
	LOCAT	ON : Near H	12 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	21.5	43.4	6.1	10.2	0.429
2 nd	Weekly Average	20.8	41.8	6.8	12.3	0.386
3rd	Weekly Average	23.1	52.2	7.2	13.1	0.490
4 th	Weekly Average	27.5	60.2	7.4	14.6	0.543
Name of Week	LOCATION : Nea Particulars	PM2.5 (µg/m3)	PM10 (μg/m3)	SO2 (µg/m3)	NO2 (μg/m3)	CO (mg/m3
1st	Weekly Average	20.6	44.9	5.7	11.4	0.380
2 nd	Weekly Average	22.0	43.5	5.6	10.9	0.368
3rd						
314	Weekly Average	19.3	46.0	6.1	12.9	0.450
4th	Weekly Average Weekly Average	19.3 27.1	46.0 56.2	7.0	12.9 13.9	
-	Weekly Average	27.1	56.2	7.0		0.450
-	Weekly Average		56.2	7.0		0.450 0.420
4 th	Weekly Average LOCA	27.1 TION : Near PM2.5	56.2 Fuel Storage PM10	7.0 Tank 502	13.9 NO2	0.450 0.420
4 th Name of Week	Weekly Average LOCA Particulars	27.1 TION : Near PM2.5 (μg/m3)	56.2 Fuel Storage PM10 (µg/m3)	7.0 Tank SO2 (µg/m3)	13.9 NO2 (μg/m3)	0.450 0.420 CO (mg/m3)
4 th Name of Week 1 st	LOCA Particulars Weekly Average	27.1 TION: Near PM2.5 (µg/m3) 24.3	Fuel Storage PM10 (µg/m3) 54.6	7.0 Tank SO2 (µg/m3) 6.0	NO2 (µg/m3) 12.3	0.450 0.420 CO (mg/m3) 0.505

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: February, 2022

	LOCA	ATION: Near	r STP (Colony	y 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	20.0	43.2	5.6	11.7	0.340
2nd	Weekly Average	17.6	37.2	5.1	10.1	0.329
3rd	Weekly Average	21.4	45.1	6.4	11.9	0.360
4 th	Weekly Average	24.7	49.6	6.0	12.8	0.372
	LOCAT	TON: Near I	H2 Gas Cylin	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	25.4	51.0	7.0	13.6	0.490
2 nd	Weekly Average	20.7	42.1	5.2	11.5	0.499
3rd	Weekly Average	26.9	53.9	7.1	12.5	0.523
4 th	Weekly Average	29.2	59.4	7.7	13.9	0.533
Name of Week	LOCATION : Ne	PM2.5	PM10	SO2	NO2	СО
1st	Modde Arms	(μg/m3) 23.1	(μg/m3)	(μg/m3)	(μg/m3)	(mg/m3
2nd	Weekly Average Weekly Average	21.2	48.1 44.7	6.0 5.4	11.9 12.5	0.438
3rd	Weekly Average	21.2	44.7	5.4	12.5	0.000
	Maglily Average	247	E0.6	7.0	12.2	0.383
-	Weekly Average	24.7	50.6	7.0	13.2	0.534
4 th	Weekly Average Weekly Average	24.7 29.3	50.6 59.9	7.0 7.2	13.2 14.4	
-	Weekly Average	29.3	5.5.55	7.2	-325000	0.534
-	Weekly Average	29.3	59.9	7.2	-325000	0.534
4 th	Weekly Average	29.3 ATION : Nea PM2.5	59.9 r Fuel Storag PM10	7.2 e Tank SO2	14.4 NO2	0.534 0.477
4 th Name of Week	Weekly Average LOCA Particulars	29.3 ATION : Nea PM2.5 (µg/m3)	59.9 r Fuel Storage PM10 (µg/m3)	7.2 e Tank SO2 (µg/m3)	NO2 (μg/m3)	0.534 0.477 CO (mg/m3)
4 th Name of Week 1 st	LOCA Particulars Weekly Average	29.3 ATION : Nea PM2.5 (µg/m3) 28.4	59.9 r Fuel Storag PM10 (µg/m3) 58.9	7.2 e Tank SO2 (µg/m3) 6.9	NO2 (μg/m3) 14.3	0.534 0.477 CO (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: March, 2022

	LOCA	ATION: Nea	r STP (Colony	y Area)		
Name of Week	Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2 (μg/m3)	CO (mg/m3)
1st	Weekly Average	21.2	41.9	5.6	9.9	0.324
2 nd	Weekly Average	24.0	49.6	6.3	11.9	0.384
3rd	Weekly Average	22.8	48.6	6.2	10.7	0.362
4 th	Weekly Average	23.2	47.5	6.5	12.9	0.390
	LOCAT	ION : Near I	H2 Gas Cylin	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	26.7	57.4	7.7	12.3	0.520
2 nd	Weekly Average	26.8	62.7	7.5	11.9	0.476
3rd	Weekly Average	24.2	53.7	6.0	11.2	0.449
4 th	Weekly Average	29.8	62.5	8.9	14.3	0.574
Name of Week	LOCATION : Ne Particulars	PM2.5 (μg/m3)	PM10 (μg/m3)	SO2 (μg/m3)	NO2	СО
1st		(µg/ms)	(ME/IIII)		(1107/22)	
	Weekly Average	25.1			(μg/m3)	(mg/m3)
2nd	Weekly Average Weekly Average	25.1 29.2	53.2 63.2	6.7	(μg/m3) 11.4 13.1	(mg/m3) 0.390
2nd 3rd	Weekly Average Weekly Average Weekly Average		53.2	6.7	11.4	(mg/m3)
	Weekly Average	29.2	53.2 63.2	6.7 7.6	11.4 13.1	(mg/m3) 0.390 0.419
3rd	Weekly Average Weekly Average Weekly Average	29.2 30.5 34.0	53.2 63.2 67.2 72.3	6.7 7.6 8.2 7.9	11.4 13.1 14.1	(mg/m3) 0.390 0.419 0.530
3rd	Weekly Average Weekly Average Weekly Average	29.2 30.5 34.0	53.2 63.2 67.2	6.7 7.6 8.2 7.9	11.4 13.1 14.1 14.7	(mg/m3) 0.390 0.419 0.530 0.598
3rd 4th	Weekly Average Weekly Average Weekly Average LOCA	29.2 30.5 34.0 ATION : Near PM2.5	53.2 63.2 67.2 72.3 r Fuel Storage	6.7 7.6 8.2 7.9 e Tank SO2	11.4 13.1 14.1 14.7	(mg/m3) 0.390 0.419 0.530 0.598
3rd 4th Name of Week	Weekly Average Weekly Average Weekly Average LOCA Particulars	29.2 30.5 34.0 ATION : Near PM2.5 (µg/m3)	53.2 63.2 67.2 72.3 r Fuel Storage PM10 (µg/m3)	6.7 7.6 8.2 7.9 e Tank SO2 (µg/m3)	11.4 13.1 14.1 14.7 NO2 (µg/m3)	(mg/m3) 0.390 0.419 0.530 0.598
3rd 4th Name of Week	Weekly Average Weekly Average Weekly Average LOCA Particulars Weekly Average	29.2 30.5 34.0 ATION : Near PM2.5 (µg/m3) 28.5	53.2 63.2 67.2 72.3 r Fuel Storage PM10 (µg/m3) 61.2	6.7 7.6 8.2 7.9 e Tank SO2 (µg/m3) 7.8	11.4 13.1 14.1 14.7 NO2 (µg/m3) 14.2	(mg/m3) 0.390 0.419 0.530 0.598 CO (mg/m3) 0.540

For Jaypee Nigrie Cement Grinding Unit

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Chart

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 - January, 2022 - March, 2022

- 1:1	UNIT STACK ATTACHED WITH	DUST CONC. (mg/Nm3)			
Sr.No.	PCE (POLLUTION CONTROLING EQUIPMENT)	Jan-22	Feb-22	Mar-22	
1	Roller Press	1.76	Shutdown	Shutdown	
2	Cement Mill	1.23	Shutdown	Shutdown	

Note: - Grinding Unit has been run only for 02.00 Hrs during this Quarter.

For Jaypee Nigrie Cement Grinding Unit

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