JAYPEE NIGRIE CEMENT GRINDING UNIT





JNCGU/ENV/2021/02

Bhopal (M.P.) - 462016

Date: 05/07/2021

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, Stack Monitoring Reports for the Quarter (April 2021 - June 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.)

Nadim Ahmad Khan

V.P - (Chemistry & Environment)

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: April 2021

	LOCAT	TION: Near	STP (Colony	Area)		
Name of Week	Particulars	PM _{2.5} (μg/m³)	PM ₁₀ (μg/m³)	SO ₂ (μg/m³)	NO ₂ (μg/m³)	CO (mg/m³)
1st	Weekly Average	25.8	53.1	5.8	12.2	0.409
2nd	Weekly Average	26.2	52.8	6.9	13.0	0.351
3rd	Weekly Average	24.0	47.0	4.9	11.4	0.387
4 th	Weekly Average	27.3	57.3	5.1	10.9	0.459
	X OCATI	ON Now L	12 Gas Cylind	ler Shed		
	LOCATI	$\frac{\text{ON : Near I}}{\text{PM}_{2.5}}$	PM ₁₀	SO ₂	NO ₂	СО
Name of Week	Particulars	$(\mu g/m^3)$	(µg/m³)	(μg/m³)	$(\mu g/m^3)$	(mg/m ³)
1st	Weekly Average	32.4	64.6	7.1	12.1	0.478
2nd	Weekly Average	33.3	63.9	9.3	13.8	0.552
3rd	Weekly Average	21.6	57.6	8.6	14.1	0.440
4th	Weekly Average	30.0	61.7	6.3	10.5	0.603
			00 /C	- + Cainding	I Init)	
	LOCATION : Nea		wer 22 (Ceme	SO ₂	NO ₂	СО
Name of Week	Particulars	PM _{2.5} (μg/m³)	PM ₁₀ (μg/m³)	(μg/m ³)	(μg/m³)	(mg/m ³)
1st	Weekly Average	32.5	66.0	7.4	12.8	0.488
2nd	Weekly Average	31.1	65.1	8.6	16.7	0.538
3rd	Weekly Average	25.2	53.7	6.0	12.1	0.477
4th	Weekly Average	33.4	68.6	8.3	16.9	0.648
		TION N.	- Errol Ctorag	o Tank		
Name of Week	Particulars	PM _{2.5} (μg/m³)	r Fuel Storag PM ₁₀ (μg/m³)	SO ₂ (µg/m³)	NO ₂ (μg/m³)	CO (mg/m³
	TAT1-Iry Assorage	37.0	71.7	8.3	15.3	0.603
1 st	Weekly Average	41.5	78.0	7.9	14.5	0.565
2 nd	Weekly Average	32.3	64.3	5.1	15.9	0.652
3rd	Weekly Average Weekly Average	41.9	77.2	9.5	17.5	0.684
4th						

For Jaypee Nigrie Cement Grinding Unit (A Division of Jaiprakash Power Ventures Ltd.)

Authorized Signatory

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: May 2021

	LOCA'	TION: Near	STP (Colony	Area)		СО
Name of Week	Particulars	PM _{2.5} (μg/m³)	PM ₁₀ (μg/m³)	SO ₂ (μg/m³)	NO ₂ (μg/m³)	(mg/m^3)
1st	Weekly Average	19.6	40.7	4.2	12.3	0.347
	Weekly Average	13.0	33.5	4.6	10.7	0.321
2 nd	Weekly Average	14.7	31.3	3.0	9.7	0.286
3rd 4th	Weekly Average	17.0	39.1	5.7	12.6	0.359
			IO Coo Cyline	Hor Shed		
	LOCAT		H2 Gas Cylino PM ₁₀	SO ₂	NO ₂	CO
Name of Week	Particulars	PM _{2.5} (μg/m³)	$(\mu g/m^3)$	$(\mu g/m^3)$	$(\mu g/m^3)$	(mg/m ³)
	Weekly Average	29.2	59.8	5.8	11.2	0.511
1st	Weekly Average Weekly Average	20.4	43.2	7.6	12.0	0.583
2 nd		23.6	47.9	6.2	12.4	0.394
3rd 4th	Weekly Average Weekly Average	20.8	49.5	7.5	11.4	0.521
	LOCATION : Ne		wer 22 (Ceme	ent Grinding SO ₂	Unit)	СО
Name of Week	Particulars	PM _{2.5} (μg/m³)	PM ₁₀ (μg/m³)	(μg/m³)	(μg/m³)	(mg/m³)
1st	Weekly Average	22.9	52.2	8.0	15.3	0.542
2nd	Weekly Average	20.4	42.1	6.2	11.7	0.559
3rd	Weekly Average	16.1	37.4	4.7	10.6	0.460
4 th	Weekly Average	21.9	45.4	9.0	13.5	0.481
		AETONI NI-	Fral Storag	ro Tank		
	7.00	V 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ar Fuel Storag	SO ₂	NO ₂	CO
		PM _{2.5}	PM ₁₀	(μg/m³)	(μg/m³)	(mg/m³)
Name of Week	LOC. Particulars		(μg/m³)			
Name of Week		PM _{2.5}	(μg/m³) 72.0	5.4	16.9	0.697
	Particulars	PM _{2.5} (μg/m³)	(μg/m³)	5.4 4.9	16.9 13.5	0.697 0.502
1 st	Particulars Weekly Average	PM _{2.5} (μg/m³) 31.9	(μg/m³) 72.0	5.4	16.9	0.697

For Jaypee Nigrie Cement Grinding Unit (A Division of Jaiprakash Power Ventures Ltd.)

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

AMBIENT AIR QUALITY MONITORING REPORT

4th

Weekly Average

16.7

34.2

	LOCA	ATTOM. INEa	r STP (Colon	y Alea)		
Name of Week	Particulars	PM _{2.5} (μg/m³)	PM ₁₀ (μg/m³)	SO ₂ (μg/m³)	NO ₂ (μg/m³)	CO (mg/m³)
1 st	Weekly Average	16.5	37.2	5.0	12.5	0.421
2 nd	Weekly Average	18.5	36.0	4.1	11.3	0.330
3rd	Weekly Average	11.4	27.6	2.6	9.3	0.245
4 th	Weekly Average	11.2	23.4	4.0	8.8	0.297
				H.A. C.	Mariani	
	LOCAT	TION : Near 1	H2 Gas Cylin	der Shed		
Name of Week	Particulars	PM _{2.5} (μg/m³)	PM ₁₀ (μg/m³)	SO ₂ (μg/m³)	NO ₂ (μg/m³)	CO (mg/m³)
1 st	Weekly Average	21.1	57.6	8.5	13.9	0.399
2 nd	Weekly Average	15.5	41.8	6.3	11.9	0.457
3rd	Weekly Average	16.8	35.5	5.7	12.3	0.414
4 th	Weekly Average	18.4	39.5	6.7	11.8	0.428
	LOCATION: Ne	ar Watch To	wer 22 (Ceme	ent Grinding	Unit)	
Name of Week	Particulars	PM _{2.5} (μg/m³)	PM ₁₀ (μg/m³)	SO ₂ (μg/m³)	NO ₂ (μg/m³)	CO (mg/m³)
1 st	Weekly Average	32.7	72.7	8.5	16.4	0.604
2 nd	Weekly Average	19.2	52.9	7.5	12.9	0.529
3rd	Weekly Average	13.5	33.1	5.9	10.8	0.346
4 th	Weekly Average	16.0	39.2	6.7	12.0	0.399
	LOCA	TION: Near	r Fuel Storage	e Tank		
Name of Week	Particulars	PM _{2.5} (μg/m³)	PM ₁₀ (μg/m³)	SO ₂ (μg/m³)	NO ₂ (μg/m³)	CO (mg/m³)
1st	Weekly Average	32.1	72.8	7.6	15.0	0.598
attacked the the days of the same	*** ** *	00.0	10.0	20	10.0	0.500
2 nd	Weekly Average	22.3	48.2	3.9	12.8	0.503
2 nd 3rd	Weekly Average Weekly Average	17.7	38.5	4.8	11.9	0.503

For Jaypee Nigrie Cement Grinding Unit (A Division of Jaiprakash Power Ventures Ltd.)

6.6

Authorized Signatory

12.4

0.496

MONTH: June 2021

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 - April 2021 - June 2021

	UNIT STACK ATTACHED WITH	DUST CONC. (mg/Nm3)			
	PCE (POLLUTION CONTROLING EQUIPMENT)	Apr-21	May-21	Jun-21	
1	Roller Press	1.80	Shutdown	2.14	
2	Cement Mill	1.65	Shutdown	1.75	

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