

JNCGU/ENV/2021/04

Date: 08.01.2022

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 Report and Stack Emission Monitoring Report for the Quarter (October, 2021 - December, 2021) 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**
M.P. Pollution Control Board,
Bhakuar, Naugadh,
District: Singrauli (MP) - 486669

- For kind information please.

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: October 2021

LOCATION : Near STP - (Colony Area)						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	18.2	38.5	5.4	11.3	0.311
2 nd	Weekly Average	19.0	41.9	6.6	10.8	0.347
3 rd	Weekly Average	15.4	36.8	5.6	11.0	0.275
4 th	Weekly Average	24.7	48.4	6.3	11.9	0.432
LOCATION : Near H ₂ Gas Cylinder Shed						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	21.8	55.1	7.1	13.6	0.486
2 nd	Weekly Average	23.8	57.9	6.9	12.2	0.465
3 rd	Weekly Average	22.7	58.5	7.3	13.3	0.441
4 th	Weekly Average	25.4	60.5	7.5	14.1	0.594
LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	22.6	53.7	6.2	11.5	0.420
2 nd	Weekly Average	24.8	62.5	6.7	13.0	0.451
3 rd	Weekly Average	16.8	45.7	5.6	11.7	0.389
4 th	Weekly Average	31.1	63.6	7.5	12.3	0.748
LOCATION : Near Fuel Storage Tank						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	31.4	68.6	8.0	15.2	0.636
2 nd	Weekly Average	25.4	58.7	6.1	12.4	0.567
3 rd	Weekly Average	24.2	49.5	5.7	11.4	0.495
4 th	Weekly Average	32.1	64.1	7.7	15.5	0.582

For Jaypee Nigrie Cement Grinding Unit


 Authorized Signatory


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AMBIENT AIR QUALITY MONITORING REPORT

MONTH: November 2021

LOCATION : Near STP - (Colony Area)						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	24.7	55.0	6.5	11.4	0.426
2 nd	Weekly Average	19.4	49.9	6.1	10.1	0.374
3 rd	Weekly Average	25.0	53.5	6.8	13.0	0.386
4 th	Weekly Average	27.0	52.2	5.9	12.0	0.402
LOCATION : Near H ₂ Gas Cylinder Shed						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	29.6	71.8	8.5	14.6	0.579
2 nd	Weekly Average	22.6	53.7	7.0	11.7	0.526
3 rd	Weekly Average	30.0	63.3	7.8	13.7	0.534
4 th	Weekly Average	28.6	61.4	6.0	11.9	0.487
LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	28.1	65.3	7.9	14.0	0.633
2 nd	Weekly Average	26.0	60.5	6.3	13.6	0.592
3 rd	Weekly Average	33.9	69.8	7.4	11.7	0.460
4 th	Weekly Average	32.2	64.3	8.2	12.5	0.631
LOCATION : Near Fuel Storage Tank						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	34.3	80.2	9.0	14.5	0.755
2 nd	Weekly Average	30.2	63.2	6.9	11.3	0.610
3 rd	Weekly Average	37.8	74.9	8.2	15.7	0.607
4 th	Weekly Average	36.2	67.9	7.2	14.6	0.637

For Jaypee Nigrie Cement Grinding Unit


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AMBIENT AIR QUALITY MONITORING REPORT MONTH: December 2021

LOCATION : Near STP -(Colony Area)						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	18.7	47.1	5.8	10.9	0.403
2 nd	Weekly Average	24.0	46.7	6.4	12.9	0.439
3 rd	Weekly Average	29.6	56.3	7.0	11.7	0.353
4 th	Weekly Average	20.7	44.5	5.5	10.3	0.392
LOCATION : Near H ₂ Gas Cylinder Shed						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	27.5	59.0	6.7	11.3	0.479
2 nd	Weekly Average	28.7	55.8	7.9	12.6	0.515
3 rd	Weekly Average	34.5	67.3	8.3	15.9	0.541
4 th	Weekly Average	28.2	60.6	7.0	11.7	0.547
LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	31.5	66.2	6.9	11.9	0.459
2 nd	Weekly Average	25.4	51.3	5.8	13.2	0.535
3 rd	Weekly Average	31.1	62.1	6.0	14.0	0.489
4 th	Weekly Average	24.2	51.9	5.3	11.3	0.401
LOCATION : Near Fuel Storage Tank						
Name of Week	Particulars	PM _{2.5} (µg/m ³)	PM ₁₀ (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)	CO (mg/m ³)
1 st	Weekly Average	30.4	69.0	7.8	12.3	0.610
2 nd	Weekly Average	32.4	68.3	7.6	13.0	0.531
3 rd	Weekly Average	27.1	63.1	6.7	12.9	0.599
4 th	Weekly Average	24.8	52.3	5.3	11.9	0.457

For Jaypee Nigrie Cement Grinding Unit


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Annexure - II

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

Month - October 2021 - December 2021

S.No.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLING EQUIPMENT)	DUST CONC. (mg/Nm ³)		
		Oct-21	Nov-21	Dec-21
1	Roller Press	1.74	1.74	1.74
2	Cement Mill	1.22	1.22	1.23

Note : Plant has been run only for 08.15 Hrs during this Quarter(October 2021 - December 2021).

For Jaypee Nigrie Cement Grinding Unit


Authorized Signatory

