

JNCGU/ENV/2020/04

Date: - 05.01.2021

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) Acts 1981 & 1974 respectively.

Dear Sir,

Please find enclosed herewith Ambient Air Quality Monitoring, Stack Monitoring Reports for the Quarter (October 2020 - December 2020) for Jaypee Nigrie Cement Grinding Unit of M/s. Jaiprakash Power Ventures Ltd.

Thanking You,

Yours Sincerely,

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

Nadim Ahmad Khan

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 Deosar
Distt. : Singrauli (M.P.) Ph. : +91 (7801) 286021-36 Fax : +91 (7801) 286020
Corp. Office : Sector-128, Noida-201 304, Uttar Pradesh (India)
Ph. : +91 (120) 4609000, 2470800 Fax : +91 (120) 4609464, 4609496
Regd. Office : JUIT Complex, Wagnaghat, P.O. Dumehar Bani, Kandaghat-173215, Distt. Solan (H.P.)
Ph. : +91 (1792) 2579999, 245367 Fax : +91 (1792) 245362

Regd Office

Complex of Jaypee Nigrie Super Thermal Power Plant, Nigrie
Tehsil Sarai District Singrauli 486669 (M.P.)

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: October 2020

LOCATION : Near STP - (Colony Area)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	17.3	39.7	5.3	10.0	0.372
2 nd	Weekly Average	20.3	42.1	6.0	12.6	0.484
3 rd	Weekly Average	24.8	50.8	5.2	13.1	0.419
4 th	Weekly Average	23.3	51.1	6.8	12.8	0.411
LOCATION : Near H2 Gas Cylinder Shed						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	21.9	49.4	7.9	14.1	0.556
2 nd	Weekly Average	24.1	50.7	6.9	13.8	0.483
3 rd	Weekly Average	31.7	59.3	8.9	15.5	0.631
4 th	Weekly Average	32.3	61.8	6.2	13.3	0.572
LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	28.7	61.7	8.0	14.6	0.526
2 nd	Weekly Average	32.3	65.9	7.7	12.5	0.501
3 rd	Weekly Average	33.0	64.5	7.1	16.7	0.499
4 th	Weekly Average	36.5	75.8	8.9	15.8	0.609
LOCATION : Near Fuel Oil Storage Tank						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	28.8	59.0	7.1	12.8	0.509
2 nd	Weekly Average	30.4	59.4	7.6	16.0	0.607
3 rd	Weekly Average	33.9	69.0	8.2	15.9	0.700
4 th	Weekly Average	34.5	70.0	7.8	12.2	0.588

For Jaypee Nigrie Cement Grinding Unit

Man

Man
Authorized Signatory

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: November 2020

LOCATION : Near STP -(Colony Area)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	22.0	47.7	5.7	12.2	0.431
2 nd	Weekly Average	13.6	34.2	5.2	10.4	0.398
3 rd	Weekly Average	17.8	40.3	4.9	11.2	0.406
4 th	Weekly Average	25.0	50.3	6.8	14.3	0.510
LOCATION : Near H2 Gas Cylinder Shed						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	29.4	56.5	9.5	15.3	0.546
2 nd	Weekly Average	18.6	46.7	7.1	11.4	0.433
3 rd	Weekly Average	27.8	60.4	8.4	15.9	0.618
4 th	Weekly Average	30.3	58.2	7.9	13.4	0.591
LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	31.7	64.5	7.4	13.3	0.530
2 nd	Weekly Average	24.0	51.7	6.5	11.9	0.507
3 rd	Weekly Average	30.0	61.8	8.2	15.1	0.650
4 th	Weekly Average	36.1	72.8	9.0	16.2	0.677
LOCATION : Near Fuel Oil Storage Tank						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	34.4	68.7	8.1	17.3	0.694
2 nd	Weekly Average	24.8	60.9	6.0	11.2	0.510
3 rd	Weekly Average	31.3	66.4	7.0	14.6	0.594
4 th	Weekly Average	33.2	69.6	8.6	15.4	0.604

For Jaypee Nigrie Cement Grinding Unit

K. V. Rao

Wagler
Authorized Signatory

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: December 2020

LOCATION : Near STP -(Colony Area)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	23.2	49.8	4.1	12.1	0.391
2 nd	Weekly Average	14.5	33.3	4.4	10.5	0.384
3 rd	Weekly Average	21.9	50.3	5.5	11.6	0.478
4 th	Weekly Average	20.7	44.1	6.3	12.7	0.434
LOCATION : Near H2 Gas Cylinder Shed						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	33.0	64.3	9.3	14.6	0.629
2 nd	Weekly Average	28.4	60.5	10.9	12.5	0.499
3 rd	Weekly Average	30.8	65.0	11.5	15.2	0.596
4 th	Weekly Average	27.0	50.0	7.1	11.9	0.553
LOCATION : Near Watch Tower 22 (Cement Grinding Unit)						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	29.1	71.1	5.6	13.5	0.582
2 nd	Weekly Average	23.7	56.9	7.5	14.5	0.600
3 rd	Weekly Average	32.1	63.4	8.4	15.1	0.674
4 th	Weekly Average	26.9	59.6	7.2	14.8	0.496
LOCATION : Near Fuel Oil Storage Tank						
Name of Week	Particulars	PM2.5 ($\mu\text{g}/\text{m}^3$)	PM10 ($\mu\text{g}/\text{m}^3$)	SO2 ($\mu\text{g}/\text{m}^3$)	NO2 ($\mu\text{g}/\text{m}^3$)	CO (mg/m^3)
1 st	Weekly Average	35.4	77.4	10.4	17.5	0.784
2 nd	Weekly Average	26.3	58.3	7.1	13.3	0.618
3 rd	Weekly Average	33.4	70.5	8.1	15.7	0.638
4 th	Weekly Average	34.8	69.1	9.8	14.3	0.599

For Jaypee Nigrie Cement Grinding Unit

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Authorized Signatory

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: October 2020 - December 2020

S.NO.	UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLLING EQUIPMENT)	DUST CONC. (mg/Nm ³)		
		Oct-20	Nov-20	Dec-20
1	Roller Press	1.84	1.79	1.82
2	Cement Mill	1.43	1.4	1.41

Note:- Plant has been run only for 84.45 Hrs during this Quarter.

For Jaypee Nigrie Cement Grinding Unit

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Authorized Signatory