

JNCGU/ENV/2022-23/03

Date-11.01.2023

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 (October, 2022- December, 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

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
(A Unit of Jaiprakash Power Ventures Limited)

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: October - 2022

| 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 | 19.2 | 41.5 | 5.1 | 11.0 | 0.52 |
| 2 nd | Weekly Average | 21.1 | 43.8 | 6.0 | 10.3 | 0.54 |
| 3 rd | Weekly Average | 24.8 | 50.2 | 6.2 | 13.3 | 0.54 |
| 4 th | Weekly Average | 25.0 | 51.0 | 6.9 | 11.7 | 0.51 |
| 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 | 23.0 | 46.9 | 6.5 | 13.3 | 0.59 |
| 2 nd | Weekly Average | 25.1 | 51.8 | 7.5 | 11.9 | 0.52 |
| 3 rd | Weekly Average | 28.2 | 56.4 | 9.4 | 15.2 | 0.61 |
| 4 th | Weekly Average | 24.7 | 52.5 | 7.0 | 11.0 | 0.55 |
| 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 | 22.7 | 46.1 | 5.6 | 12.9 | 0.51 |
| 2 nd | Weekly Average | 23.7 | 48.4 | 5.9 | 10.9 | 0.52 |
| 3 rd | Weekly Average | 29.0 | 60.6 | 8.3 | 14.8 | 0.59 |
| 4 th | Weekly Average | 29.7 | 60.7 | 7.3 | 14.1 | 0.53 |
| LOCATION : Near Fuel 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 | 24.8 | 52.4 | 8.4 | 14.2 | 0.58 |
| 2 nd | Weekly Average | 26.9 | 54.3 | 6.9 | 11.6 | 0.55 |
| 3 rd | Weekly Average | 31.0 | 61.9 | 9.4 | 14.8 | 0.67 |
| 4 th | Weekly Average | 28.6 | 59.2 | 8.0 | 12.4 | 0.59 |

For Jaypee Nigrie Cement Grinding Unit

Uzqha
Authorized Signatory

Akshay

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: November - 2022

| 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 | 21.6 | 46.2 | 6.3 | 12.5 | 0.53 |
| 2 nd | Weekly Average | 20.1 | 45.1 | 6.0 | 12.1 | 0.51 |
| 3 rd | Weekly Average | 22.3 | 47.1 | 6.3 | 12.6 | 0.56 |
| 4 th | Weekly Average | 23.6 | 49.7 | 6.9 | 13.7 | (<0.5) |
| 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 | 25.1 | 51.3 | 7.0 | 13.2 | 0.52 |
| 2 nd | Weekly Average | 23.0 | 45.9 | 6.7 | 12.7 | 0.59 |
| 3 rd | Weekly Average | 23.9 | 48.0 | 6.9 | 11.9 | 0.53 |
| 4 th | Weekly Average | 25.3 | 52.2 | 6.4 | 11.9 | 0.55 |
| 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 | 25.5 | 50.7 | 6.4 | 13.0 | 0.52 |
| 2 nd | Weekly Average | 26.8 | 52.9 | 6.9 | 13.4 | 0.57 |
| 3 rd | Weekly Average | 31.1 | 58.8 | 7.8 | 14.6 | 0.53 |
| 4 th | Weekly Average | 27.6 | 56.1 | 7.1 | 13.2 | 0.54 |
| LOCATION : Near Fuel 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 | 26.7 | 52.8 | 9.0 | 15.3 | 0.59 |
| 2 nd | Weekly Average | 25.8 | 51.2 | 6.1 | 11.8 | 0.51 |
| 3 rd | Weekly Average | 26.1 | 51.7 | 7.2 | 14.4 | 0.57 |
| 4 th | Weekly Average | 27.1 | 54.2 | 9.4 | 15.8 | 0.55 |

For Jaypee Nigrie Cement Grinding Unit

Wankar
Authorized Signatory

M. S. Kumar

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

AMBIENT AIR QUALITY MONITORING REPORT

MONTH: December - 2022

| 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 | 21.9 | 46.7 | 5.9 | 12.7 | 0.54 |
| 2 nd | Weekly Average | 22.3 | 46.5 | 6.5 | 12.6 | 0.52 |
| 3 rd | Weekly Average | 27.8 | 51.6 | 7.5 | 13.6 | 0.57 |
| 4 th | Weekly Average | 23.1 | 46.0 | 5.8 | 12.0 | 0.51 |
| 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 | 25.4 | 52.0 | 7.6 | 13.0 | 0.52 |
| 2 nd | Weekly Average | 24.5 | 47.5 | 7.1 | 13.4 | 0.63 |
| 3 rd | Weekly Average | 26.9 | 54.0 | 8.9 | 15.1 | 0.58 |
| 4 th | Weekly Average | 25.7 | 52.0 | 6.0 | 12.1 | 0.53 |
| 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 | 26.9 | 52.6 | 6.8 | 13.6 | 0.52 |
| 2 nd | Weekly Average | 26.6 | 53.6 | 7.5 | 14.6 | 0.59 |
| 3 rd | Weekly Average | 31.9 | 63.9 | 9.0 | 15.2 | 0.53 |
| 4 th | Weekly Average | 29.9 | 61.9 | 8.5 | 12.3 | 0.62 |
| LOCATION : Near Fuel 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 | 26.6 | 52.0 | 8.3 | 14.0 | 0.59 |
| 2 nd | Weekly Average | 24.2 | 51.4 | 6.3 | 11.9 | 0.52 |
| 3 rd | Weekly Average | 28.9 | 56.5 | 8.5 | 15.7 | 0.63 |
| 4 th | Weekly Average | 31.0 | 60.1 | 9.8 | 15.0 | 0.59 |

For Jaypee Nigrie Cement Grinding Unit

Wadhwa
Authorized Signatory

Asst. Mgr.

JAYPEE NIGRIE CEMENT GRINDING UNIT

(A Unit of Jaiprakash Power Ventures Limited)

Annexure - II

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

Period - October, 2022 - December, 2022

| Sr.No. | UNIT STACK ATTACHED WITH PCE (POLLUTION CONTROLING EQUIPMENT) | DUST CONC. (mg/Nm3) | | |
|--------|---|---------------------|----------|----------|
| | | Oct-22 | Nov-22 | Dec-22 |
| 1 | Roller Press | Shutdown | Shutdown | Shutdown |
| 2 | Cement Mill | Shutdown | Shutdown | Shutdown |

Note :- Cement Grinding Unit has been shutdown during this Quarter(Oct,22-Dec,22).

For Jaypee Nigrie Cement Grinding Unit



Authorized Signatory

