RP - Sanjiv Goenka Group
Growing Legacies

DHARIWAL INFRASTRUCTURE LIMITED

**Dhariwal Infrastructure Limited**

CIN : U70100WB2006PLC111467
E-mail : dhariwalinfrastructure@rpsg.in

Ref: DIL/HSE/F 08/22 23/56

Date : 21.09.2022

**To,**
**The Member Secretary,**
**Maharashtra Pollution Control Board,**
**Kalpataru Point, 3rd Floor,**
**Sion Matunga Road No.8,**
**Sion East,**
**Mumbai-400022.**

**Sub: Submission of Environmental Statement for the financial year ending 31st March 2022.**

Dear Sir,

We have submitted online, the Annual Environment Statement for the financial year 2021-22 on EC MPCB Portal. Copy of the Environment Statement (Form-V) downloaded from EC MPCB portal along with annexures is attached herewith for your ready reference.

We hope you will find the same in order.

Thanking you,

Yours Faithfully,
For **Dhariwal Infrastructure Limited.**

**Authorized Signatory**

**CC:**

1. The Regional Officer,
   Maharashtra Pollution Control Board,
   1st Floor, Udyog Bhawan,
   Chandrapur (Maharashtra).

Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

(See Rule 14)

**Environmental Audit Report for the financial Year ending the 31st March 2022**

| Unique Application Number | Submitted Date |
|---|---|
| MPCB-ENVIRONMENT_STATEMENT-0000046262 | 20-09-2022 |

## PART A

### Company Information

| Company Name | Application UAN number |
|---|---|
| Dhariwal Infrastructure Limited | UAN No. 0000098447 |

**Address**

Dhariwal Infrastructure Limited, Plot No.C-6, C-7 & C-8, Tadali Growth Centre , MIDC Tadali, Chandrapur-442406, Maharashtra.

| Plot no | Taluka | Village |
|---|---|---|
| C-6, C-7 & C-8 | Tadali Industrial area MIDC | Tadali |
| **Capital Investment (In lakhs)** | **Scale** | **City** |
| 390450.00 | LSI | Chandrapur |
| **Pincode** | **Person Name** | **Designation** |
| 442406 | Soumen Barua | General Manager |
| **Telephone Number** | **Fax Number** | **Email** |
| 9307900152 | 07172237992 | dil.hse@rpsg.in |
| **Region** | **Industry Category** | **Industry Type** |
| SRO-Chandrapur | Red | R48 Thermal Power Plants |
| **Last Environmental statement submitted online** | **Consent Number** | **Consent Issue Date** |
| yes | Format 1.0/CAC/UAN No. MPCB-CONSENT-0000113131/CR-2110000172 | 2021-10-05 |
| **Consent Valid Upto** | **Establishment Year** | **Date of last environment statement submitted** |
| 2024-06-30 | 2014 | Sep 28 2021 12:00:00:000AM |

**Industry Category Primary (STC Code) & Secondary (STC Code)**

### Product Information

| Product Name | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Electricity Generation | 5256000 | 3990842.0 | Mwh |

### By-product Information

| By Product Name | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| 0 | 0 | 0 | Mwh |

## Part-B (Water & Raw Material Consumption)

### 1) Water Consumption in m3/day

| Water Consumption for | Consent Quantity in m3/day | Actual Quantity in m3/day |
|---|---|---|
| Process | 5280.00 | 1496.00 |
| Cooling | 49440.00 | 21948.00 |
| Domestic | 60.00 | 57.50 |
| All others | 50.00 | 32.70 |
| Total | 54830.00 | 23534.20 |

### 2) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade Effluent | 7776 | 4180 | CMD |
| Domestic Effluent | 36 | 32.77 | CMD |

### 2) Product Wise Process Water Consumption (cubic meter of process water per unit of product)

| Name of Products (Production) | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Power Generation | 2.13 | 2.14 | CMD |

### 3) Raw Material Consumption (Consumption of raw material per unit of product)

| Name of Raw Materials | During the Previous financial Year | During the current Financial year | UOM |
|---|---|---|---|
| Coal | 0.649058 | 0.681802 | MT/MWH |
| LDO | 0.000052610 | 0.00019024 | |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| Coal | 4029600 | 2720967 | MT/A |
| LDO | 4066 | 759.22 | KL/A |

## Part-C

### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)

#### [A] Water

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Our Industry is ZLD | 0 | 0 | 0 | 2100 | 0 |

#### [B] Air (Stack)

| Pollutants Detail | Quantity of Pollutants discharged (kL/day) | Concentration of Pollutants discharged(Mg/NM3) | Percentage of variation from prescribed standards with reasons | | |
|---|---|---|---|---|---|
| | Quantity | Concentration | %variation | Standard | Reason |
| Stack-1 (Particulate Matter) | 1050 | 26.41 | 0 | 50 | 0 |
| Stack-2 (Particulate Matter) | 961 | 26.57 | 0 | 50 | 0 |

## Part-D

### HAZARDOUS WASTES

#### 1) From Process

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 5.1 Used or spent oil | 39.41 | 48.4 | MT/A |
| 33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes | 7 | 29 | Nos./Y |
| Other Hazardous Waste | 2.44 | 1.560 | MT/A |
| 35.2 Spent ion exchange resin containing toxic metals | 0 | 1.170 | MT/A |
| 33.2 Contaminated cotton rags or other cleaning materials | 0 | 0.370 | MT/A |
| 5.2 Wastes or residues containing oil | 0 | 0.08 | MT/A |

#### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 35.3 Chemical sludge from waste water treatment | 0.1 | 0.170 | MT/A |

## Part-E

### SOLID WASTES

#### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| FLY ASH | 837862 | 854413 | MT/A |
| BOTTOM ASH | 93464 | 96704 | MT/A |

#### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| BIOLOGICAL SLUDGE | 0 | 0 | MT/A |

#### 3) Quantity Recycled or Re-utilized within the unit

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 0 | 0 | MT/A |

## Part-F

***Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.***

#### 1) Hazardous Waste

| Type of Hazardous Waste Generated | Qty of Hazardous Waste | UOM | Concentration of Hazardous Waste |
|---|---|---|---|
| 5.1 Used or spent oil | 48.4 | MT/A | Well below the norms, Testing reports attached. |
| 33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes | 29 | Nos./Y | Well below the norms |
| Other Hazardous Waste | 1.560 | MT/A | Glass Wool |
| 35.3 Chemical sludge from waste water treatment | 0.170 | MT/A | Well below the norms |

| | | | |
|---|---|---|---|
| 35.2 Spent ion exchange resin containing toxic metals | 1.170 | MT/A | Well below the norms |
| 33.2 Contaminated cotton rags or other cleaning materials | 0.370 | MT/A | Well below the norms |
| 5.2 Wastes or residues containing oil | 0.08 | MT/A | Well below the norms |

*2) Solid Waste*

| Type of Solid Waste Generated | Qty of Solid Waste | UOM | Concentration of Solid Waste |
|---|---|---|---|
| FLY ASH | 854413 | MT/A | NA |
| BOTTOM ASH | 96704 | MT/A | NA |

## Part-G

***Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.***

| Description | Reduction in Water Consumption (M3/day) | Reduction in Fuel & Solvent Consumption (KL/day) | Reduction in Raw Material (Kg) | Reduction in Power Consumption (KWH) | Capital Investment(in Lacs) | Reduction in Maintenance(in Lacs) |
|---|---|---|---|---|---|---|
| 2019-20 | 553 | 0.46 | 0 | 844523000 | 483.5 | 0 |
| 2020-21 | 579 | 1.5 | 11586 | 1014911520 | 293.05 | 0 |
| 2021-22 | 0 | 0 | 0 | 0 | 340.7 | 0 |

## Part-H

***Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.***

*[A] Investment made during the period of Environmental Statement*

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Fabrication and erection of bulker washing station near Ash silo, Procurement of Road Vacuum Sweeping Machine, Construction of Roads and drains, Installation of DFDS system at Ash Silo, Installation | Expenditure made on Air pollution, Water pollution and Land pollution control measures, Greenery development and other Environmental protection measures. | 340.7 |

*[B] Investment Proposed for next Year*

| Detail of measures for Environmental Protection | Environmental Protection Measures | Capital Investment (Lacks) |
|---|---|---|
| Construction of roads & inside plant, Construction of aaqms cabin (relocation of aqms cabin), ESP control and optimization etc. | Expenditure proposed for on Air pollution, Water pollution and Land pollution control measures, Greenery development and other Environmental protection measures. | 250.63 |

## Part-I

***Any other particulars for improving the quality of the environment.***

***Particulars***

Factory has already implemented all the necessary pollution control measures. Green belt development programme is a regular feature.

***Name & Designation***

SOUMEN BARUA, GENERAL MANAGER

***UAN No:***

MPCB-ENVIRONMENT_STATEMENT-0000046262

***Submitted On:***

20-09-2022

## Test Report

Annexure-3

CHARACTERISATION OF POLLUTION LOADS
INDUSTRIAL EFFLUENT

1. Location: Treated Effluent

| Sr.No | Month of Sampling | pH | TDS | TSS | BOD | COD | Oil & Greash |
|---|---|---|---|---|---|---|---|
| 1 | Apr-21 | 7.5 | 1320.0 | 18.0 | 20.0 | 102.0 | BDL |
| 2 | May-21 | 7.5 | 1356.0 | 21.0 | 16.0 | 124.0 | BDL |
| 3 | Jun-21 | 7.6 | 1370.0 | 17.0 | 18.0 | 115.0 | BDL |
| 4 | Jul-21 | 7.7 | 1324.0 | 13.0 | 16.0 | 96.0 | BDL |
| 5 | Aug-21 | 7.8 | 1408.0 | 10.0 | 12.0 | 69.7 | BDL |
| 6 | Sep-21 | 7.6 | 1429.0 | 11.5 | 19.0 | 90.2 | BDL |
| 7 | Oct-21 | 7.7 | 1342.0 | 12.0 | 15.2 | 72.8 | BDL |
| 8 | Nov-21 | 7.7 | 1356.0 | 14.0 | 17.8 | 74.1 | BDL |
| 9 | Dec-21 | 7.6 | 1314.0 | 10.0 | 14.0 | 61.2 | BDL |
| 10 | Jan-22 | 7.7 | 1220.0 | 8.0 | 16.0 | 65.3 | BDL |
| 11 | Feb-22 | 7.8 | 1100.0 | 10.0 | 18.0 | 70.6 | BDL |
| 12 | Mar-22 | 7.8 | 1030.0 | 8.0 | 16.0 | 64.3 | BDL |
| Average | | 7.7 | 1297.4 | 12.7 | 16.5 | 83.8 | BDL |



Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardanenvironet.com, bd@vardanenvironet.com

# Test Report

1.0 Stack Emission (mg/Nm³)

1.1 Source : **TPP Unit I**
Stack dia. at Top : 5.0 mtr.
Stack dia. at Port: 5.0 mtr.
Stack Height : 275.0 Mtr.

| Sr.No. | Parameters → / Concentration ↓ | Total Particulate Matter (mg/Nm³) | Sulphur Dioxide (as SO2) (Ton/Day) | Oxide of Nitrogen as (NOx) (mg/Nm³) | Moisture (%) | Mercury as (Hg) (mg/Nm³) |
|---|---|---|---|---|---|---|
| 1. | April-21 | 23.6 | 31.0 | 330.5 | 0.76 | 0.002 |
| 2. | May-21 | 24.8 | 31.8 | 339.7 | 0.79 | 0.003 |
| 3. | Jun-21 | 26.2 | 32.2 | 352.4 | 0.82 | 0.003 |
| 4. | Jul-21 | 25.4 | 33.2 | 406.2 | 0.89 | 0.004 |
| 5. | Aug-21 | 27.8 | 33.3 | 410.2 | 0.89 | 0.005 |
| 6. | Sep-21 | 26.1 | 32.7 | 436.2 | 0.92 | 0.004 |
| 7. | Oct-21 | 23.8 | 33.6 | 439.5 | 0.87 | 0.003 |
| 8. | Nov-21 | 26.4 | 33.9 | 414.5 | 0.82 | 0.004 |
| 9. | Dec-21 | 29.7 | 34.5 | 443.5 | 0.85 | 0.004 |
| 10. | Jan-22 | 27.3 | 33.8 | 433.2 | 0.88 | 0.005 |
| 11. | Feb-22 | 29.5 | 33.0 | 412.9 | 0.86 | 0.004 |
| 12. | Mar-22 | 28.1 | 32.0 | 408.2 | 0.88 | 0.005 |
| Average | | **26.6** | **32.9** | **32.9** | **0.85** | **0.004** |

1.2 Source : **TPP Unit II**
Stack dia. at Top : 5.0 mtr.
Stack dia. at Port: 5.0 mtr.
Stack Height : 275.0 Mtr.

| Sr.No. | Parameters → / Concentration ↓ | Total Particulate Matter (mg/Nm³) | Sulphur Dioxide (as SO2) (Ton/Day) | Oxide of Nitrogen as (NOx) (mg/Nm³) | Moisture (%) | Mercury as (Hg) (mg/Nm³) |
|---|---|---|---|---|---|---|
| 1. | April-21 | 24.1 | 34.3 | 309.8 | 0.74 | 0.003 |
| 2. | May-21 | 23.7 | 33.8 | 324.5 | 0.78 | 0.004 |
| 3. | Jun-21 | 25.9 | 34.0 | 346.3 | 0.86 | 0.004 |
| 4. | Jul-21 | 26.8 | 34.3 | 419.6 | 0.96 | 0.005 |
| 5. | Aug-21 | 28.9 | 34.4 | 422.0 | 0.92 | 0.004 |
| 6. | Sep-21 | 27.6 | 33.8 | 448.0 | 0.94 | 0.005 |
| 7. | Oct-21 | 24.8 | 34.7 | 422.1 | 0.91 | 0.004 |
| 8. | Nov-21 | 27.5 | 35.0 | 425.1 | 0.95 | 0.006 |
| 9. | Dec-21 | 24.9 | 33.5 | 422.4 | 0.92 | 0.005 |
| 10. | Jan-22 | 26.6 | 33.9 | 402.1 | 0.94 | 0.005 |
| 11. | Feb-22 | 27.9 | 32.1 | 372.3 | 0.90 | 0.005 |
| 12. | Mar-22 | 27.4 | 31.4 | 368.3 | 0.92 | 0.004 |
| Average | | **26.3** | **33.8** | **390.2** | **0.90** | **0.005** |

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

# Test Report

## Ambient Air Quality

Location:- VIP Gate( near AAQMS Cabin-01) (12 Parameters)

| Sr.No. | Month | Date of Monitoring | Concentration in µg/m³ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SO2 | NO2 | PM10 | PM2.5 | O3 | Pb | CO | NH3 | C6H6 | BaP | As | Ni |
| 1. | April-21 | 27/04/2021 to 28/04/2021 | 9.5 | 20.1 | 58.2 | 27.2 | 4.92 | 0.06 | 0.2 | 4.85 | 1.96 | 0.57 | 1.24 | 5.86 |
| 2. | May-21 | 15/05/2021 to 16/05/2021 | 9.1 | 18.1 | 56.2 | 25.4 | 4.38 | 0.05 | 0.22 | 4.56 | 1.87 | 0.53 | 1.16 | 5.45 |
| 3. | Jun-21 | 14/06/2021 to 15/06/2021 | 8.5 | 16.3 | 52.6 | 23.1 | 4.25 | 0.04 | 0.24 | 4.15 | 1.34 | 0.51 | 1.06 | 5.18 |
| 4. | Jul-21 | 15/07/2021 to 16/07/2021 | 8.36 | 16.8 | 54.7 | 31.4 | 4.47 | 0.05 | 0.26 | 4.28 | 1.74 | 0.53 | 1.22 | 5.13 |
| 5. | Aug-21 | 7/08/2021 to 08/08/2021 | 8.96 | 17.3 | 56.4 | 31.8 | 5.2 | 0.06 | 0.28 | 5.24 | 1.65 | 0.55 | 1.54 | 5.75 |
| 6. | Sep-21 | 14/09/2021 to 15/09/2021 | 8.23 | 16.8 | 58.4 | 31.2 | 5.68 | 0.05 | 0.29 | 4.82 | 1.54 | 0.52 | 1.32 | 5.36 |
| 7. | Oct-21 | 08/10/2021 to 09/10/2021 | 9.7 | 15.2 | 57.3 | 32.6 | 5.82 | 0.04 | 0.27 | 4.35 | 1.48 | 0.51 | 1.55 | 5.11 |
| 8. | Nov-21 | 20/11/2021 to 21/11/2021 | 8.2 | 16.2 | 54.3 | 33.6 | 5.89 | 0.04 | 0.29 | 4.46 | 4.46 | 0.58 | 1.58 | 5.17 |
| 9. | Dec-21 | 14/12/2021 to 15/12/2021 | 8.73 | 15.8 | 57.36 | 29.69 | 7.57 | 0.05 | 0.32 | 5.02 | 1.62 | 0.56 | 1.98 | 5.85 |
| 10. | Jan-22 | 12/01/2022 to 13/01/2022 | 8.31 | 14.32 | 56.12 | 27.99 | 7.92 | 0.04 | 0.3 | 5.17 | 1.65 | 0.58 | 1.87 | 5.67 |
| 11 | Feb-22 | 12/02/2022 to 13/02/2022 | 8.46 | 15.08 | 58.26 | 28.12 | 8.12 | 0.05 | 0.32 | 6.12 | 1.68 | 0.56 | 1.92 | 5.18 |
| 12. | Mar-22 | 06/03/2022 to 07/03/2022 | 8.98 | 15.75 | 59.61 | 29.24 | 8.63 | 0.04 | 0.34 | 6.76 | 1.71 | 0.57 | 1.95 | 5.22 |

# Test Report

Location:- Old Switch Yard ( near AAQMS Cabin-03) (12 Parameters)

| Sr.No. | Month | Date of Monitoring | Concentration in µg/m³ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SO2 | NO2 | PM10 | PM2.5 | O3 | Pb | CO | NH3 | C6H6 | BaP | As | Ni |
| 1. | April-21 | 27/04/2021 to 28/04/2021 | 9..8 | 20.1 | 60.3 | 27.4 | 7.86 | 0.06 | 0.24 | 5.78 | 2.3 | 0.52 | 1.58 | 4.12 |
| 2. | May-21 | 15/05/2021 to 16/05/2021 | 9.5 | 19.6 | 59.2 | 25.4 | 7.3 | 0.07 | 0.25 | 5.62 | 2.04 | 0.45 | 1.62 | 4.23 |
| 3. | Jun-21 | 14/06/2021 to 15/06/2021 | 8.9 | 17.2 | 56.3 | 24.6 | 6.8 | 0.05 | 0.24 | 5.26 | 1.95 | ND | 1.46 | 3.92 |
| 4. | Jul-21 | 18/07/2021 to 19/07/2021 | 9.2 | 17.5 | 57.2 | 25.4 | 6.65 | 0.03 | 0.26 | 5.36 | 1.75 | ND | 1.51 | 5.01 |
| 5. | Aug-21 | 07/08/2021 to 08/08/2021 | 9.6 | 17.8 | 59.7 | 26.2 | 6.28 | 0.05 | 0.32 | 6.21 | 1.27 | ND | 1.74 | 5.24 |
| 6. | Sep-21 | 14/09/2021 to 15/09/2021 | 9.1 | 17.2 | 57.1 | 25.8 | 6.41 | 0.05 | 0.34 | 7.22 | 1.62 | ND | 1.98 | 5.63 |
| 7. | Oct-21 | 08/10/2021 to 09/10/2021 | 8.7 | 16.3 | 56.9 | 24.7 | 6.14 | 0.04 | 0.31 | 5.75 | 1.55 | ND | 1.65 | 5.13 |
| 8. | Nov-21 | 20/11/2021 to 21/11/2021 | 8.8 | 16.6 | 58.9 | 24.9 | 6.27 | 0.04 | 0.37 | 5.79 | 1.64 | ND | 1.69 | 5.25 |
| 9. | Dec-21 | 14/12/2021 to 15/07/2021 | 10.01 | 17.84 | 62.17 | 26.79 | 8.26 | 0.05 | 0.41 | 7.06 | 1.72 | ND | 1.65 | 5.66 |
| 10. | Jan-22 | 12/01/2022 to 13/01/2022 | 10.01 | 18.83 | 60.28 | 27.23 | 9.64 | 0.04 | 0.43 | 7.14 | 1.86 | ND | 1.86 | 5.78 |
| 11. | Feb-22 | 12/02/2022 to 13/02/2022 | 10.21 | 18.16 | 61.48 | 26.92 | 10.16 | 0.05 | 0.42 | 7.44 | 1.88 | ND | 1.89 | 5.91 |
| 12. | Mar-22 | 06/03/2022 to 07/03/2022 | 10.78 | 18.89 | 63.65 | 27.12 | 10.36 | 0.06 | 0.44 | 7.95 | 1.92 | ND | 1.88 | 5.98 |

Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

# Test Report

Location:- ETP( near AAQMS Cabin-02 & RWH Pond) (12 Parameters)

| Sr.No. | Month | Date of Monitoring | Concentration in µg/m³ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SO2 | NO2 | PM10 | PM2.5 | O3 | Pb | CO | NH3 | C6H6 | BaP | As | Ni |
| 1. | April-21 | 27/04/2021 to 28/04/2021 | 8.6 | 18.3 | 52.7 | 24.3 | 3.12 | 0.04 | 0.22 | 2.85 | 1.43 | 0.55 | 1.39 | 2.96 |
| 2. | May-21 | 15/05/2021 to 16/05/2021 | 8.2 | 17.3 | 52.3 | 23.8 | 3.42 | 0.05 | 0.21 | 2.76 | 1.25 | 0.51 | 1.42 | 2.67 |
| 3. | Jun-21 | 14/06/2021 to 15/06/2021 | 7.2 | 15.6 | 49.7 | 21.4 | BDL | 0.04 | 0.23 | BDL | 1.06 | ND | 1.35 | 2.16 |
| 4. | Jul-21 | 18/07/2021 to 19/07/2021 | 7.6 | 14.9 | 48.4 | 20.5 | BDL | 0.03 | 0.24 | BDL | 1.14 | ND | 1.28 | 2.25 |
| 5. | Aug-21 | 07/08/2021 to 08/08/2021 | 7.9 | 15.2 | 50.7 | 21.9 | BDL | 0.04 | 0.26 | BDL | 1.26 | ND | 1.36 | BDL |
| 6. | Sep-21 | 15/09/2021 to 16/09/2021 | 8 | 14.8 | 51.6 | 22.5 | 4.82 | 0.04 | 0.28 | BDL | 1.28 | ND | 1.67 | BDL |
| 7. | Oct-21 | 08/10/2021 to 09/10/2021 | 8 | 15.3 | 49.6 | 21.5 | 4.6 | 0.03 | 0.22 | BDL | 1.11 | ND | 1.31 | BDL |
| 8. | Nov-21 | 20/11/2021 to 21/11/2021 | 8 | 15.8 | 49.7 | 22.5 | 4.8 | 0.03 | 0.25 | BDL | 1.15 | ND | 1.35 | BDL |
| 9. | Dec-21 | 15/12/2021 to 16/07/2021 | 9.17 | 16.85 | 56.48 | 25.06 | 5.85 | 0.05 | 0.34 | 3.8 | 1.46 | ND | 2.05 | BDL |
| 10. | Jan-22 | 12/01/2022 to 13/01/2022 | 8.76 | 15.85 | 57.36 | 25.91 | 6.19 | 0.04 | 0.36 | 4.12 | 1.48 | ND | 1.98 | BDL |
| 11. | Feb-22 | 12/02/2022 to 13/02/2022 | 8.93 | 15.86 | 58.91 | 26.33 | 7.8 | 0.03 | 0.38 | 5.42 | 1.52 | ND | 1.94 | BDL |
| 12. | Mar-22 | 06/03/2022 to 07/03/2022 | 9.14 | 16.31 | 62.48 | 26.65 | 8.23 | 0.04 | 0.39 | 6.35 | 1.57 | ND | 1.97 | BDL |



Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardanenvironet.com, bd@vardanenvironet.com

# Test Report

Location:- Terrach of Mr. Maroti Shankar Rogh House Village- Sonegoaon(12 Parameters)

| Sr.No. | Month | Date of Monitoring | Concentration in µg/m³ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SO2 | NO2 | PM10 | PM2.5 | O3 | Pb | CO | NH3 | C6H6 | BaP | As | Ni |
| 1. | April-21 | 28/04/2021 to 29/04/2021 | 7.4 | 14.1 | 45.2 | 21.4 | 3.5 | 0.02 | 0.2 | 1.3 | 1.54 | 0.62 | 1.15 | 1.26 |
| 2. | May-21 | 17/05/2021 to 18/05/2021 | 7.1 | 15.7 | 46.8 | 22.6 | 3.2 | 0.04 | 0.22 | 1.46 | 1.15 | 0.58 | 1.28 | 1.21 |
| 3. | Jun-21 | 16/06/2021 to 17/06/2021 | BDL | 15.7 | 46.8 | 22.6 | 6.5 | 0.03 | 0.2 | BDL | ND | BDL | 1.34 | 1.23 |
| 4. | Jul-21 | 17/07/2021 to 18/07/2021 | 6.42 | 15.3 | 48.5 | 24.2 | 6.7 | 0.02 | 0.23 | BDL | ND | BDL | 1.22 | 1.44 |
| 5. | Aug-21 | 06/08/2021 to 07/08/2021 | 7.02 | 15.7 | 50.1 | 24.5 | 6.2 | 0.03 | 0.25 | BDL | ND | BDL | 1.65 | BDL |
| 6. | Sep-21 | 16/09/2021 to 17/09/2021 | 7.41 | 14.9 | 52.3 | 25.6 | 6.6 | 0.04 | 0.29 | BDL | ND | BDL | 1.84 | BDL |
| 7. | Oct-21 | 09/10/2021 to 10/10/2021 | 6.8 | 14.6 | 47.6 | 26.5 | 6.3 | 0.03 | 0.24 | BDL | ND | BDL | 1.1 | 1.34 |
| 8 | Nov-21 | 21/11/2021to 22/11/2021 | 6.9 | 15.6 | 48.9 | 27.5 | 6.5 | 0.04 | 0.24 | BDL | ND | BDL | 1.09 | 1.35 |
| 9. | Dec-21 | 16/12/2021 to 17/12/2021 | 7.59 | 15.39 | 54.06 | 24.77 | 6.8 | 0.05 | 0.32 | BDL | ND | BDL | 1.92 | 1.42 |
| 10. | Jan-22 | 14/01/2022 to 15/01/2022 | 8.04 | 15.92 | 55.42 | 25.68 | 6.54 | 0.04 | 0.34 | BDL | ND | BDL | 1.86 | 1.57 |
| 11. | Feb-22 | 14/02/2022 to 15/02/2022 | 7.9 | 15.26 | 54.12 | 24.12 | 6.81 | 0.03 | 0.33 | BDL | ND | BDL | 1.9 | 1.72 |
| 12. | Mar-22 | 07/03/2022 to 08/03/2022 | 8.06 | 15.87 | 55.48 | 24.62 | 6.95 | 0.04 | 0.34 | BDL | ND | BDL | 1.93 | 1.78 |

# Test Report

Location:- Terrace of Gram Panchayat, Village- Yerur (12 Parameters)

| Sr.No. | Month | Date of Monitoring | Concentration in µg/m³ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SO2 | NO2 | PM10 | PM2.5 | O3 | Pb | CO | NH3 | C6H6 | BaP | As | Ni |
| 1. | April-21 | 28/04/2021 to 29/04/2021 | 8.2 | 16.8 | 50.1 | 23.2 | 4 | 0.05 | 0.23 | 3.5 | 1.62 | 0.61 | 0.92 | 1.85 |
| 2. | May-21 | 17/05/2021 to 18/05/2021 | 7.3 | 16.5 | 47.2 | 21.6 | 4 | 0.06 | 0.2 | 3.74 | 1.58 | 0.57 | 0.83 | 1.72 |
| 3. | Jun-21 | 16/06/2021 to 17/06/2021 | 7.1 | 13.9 | 46.5 | 20.4 | 4.2 | 0.04 | 0.24 | 3.15 | BDL | 0.55 | 0.92 | 1.85 |
| 4. | Jul-21 | 16/07/2021 to 17/07/2021 | 7.3 | 13.5 | 43.6 | 18.7 | 4.5 | 0.03 | 0.22 | 3.42 | BDL | 0.61 | 0.88 | 2.13 |
| 5. | Aug-21 | 09/08/2021 to 10/08/2021 | 7.6 | 14.1 | 45.2 | 19.4 | 4.8 | 0.04 | 0.24 | 3.96 | BDL | 0.68 | 0.92 | BDL |
| 6. | Sep-21 | 16/09/2021 to 17/09/2021 | 7.1 | 14.6 | 44.2 | 20.8 | 5.2 | 0.05 | 0.27 | 4.36 | BDL | 0.72 | 0.98 | BDL |
| 7. | Oct-21 | 09/10/2021 to 10/10/2021 | 7.6 | 14.4 | 44.6 | 19.5 | 4.9 | 0.04 | 0.21 | 3.98 | BDL | 0.63 | 0.91 | 2.54 |
| 8. | Nov-21 | 21/11/2021 to 22/11/2021 | 7.7 | 15.4 | 44.7 | 19.6 | 5.9 | 0.05 | 0.23 | 4.98 | BDL | 0.67 | 0.93 | 2.57 |
| 9. | Dec-21 | 16/12/2021 to 17/12/2021 | 7.14 | 14.97 | 45.97 | 21.66 | 6.2 | 0.04 | 0.31 | 4.81 | BDL | 0.74 | 1.02 | 2.35 |
| 10. | Jan-22 | 14/01/2022 to 15/01/2022 | 7.22 | 1447 | 45.17 | 22.53 | 5.85 | 0.03 | 0.28 | 4.07 | BDL | 0.78 | 1.01 | 2.57 |
| 11. | Feb-22 | 14/02/2022 to 15/02/2022 | 7.36 | 15.2 | 47.91 | 23.14 | 6.29 | 0.04 | 0.3 | 4.44 | BDL | 0.81 | 1.12 | 2.72 |
| 12. | Mar-22 | 07/03/2022 to 08/03/2022 | 7.69 | 15.87 | 49.24 | 24.68 | 6.76 | 0.05 | 0.32 | 4.84 | BDL | 0.83 | 1.54 | 2.89 |



Ph: 0124-4343750/752/753, 9810355569, 9953147268 E-mail: lab@vardanenvironet.com, bd@vardanenvironet.com

# Test Report

Location:- Terrace of Shri Bapurao pimpalkar House, Village - Wandhari (12 Parameters)

| Sr.No. | Month | Date of Monitoring | Concentration in µg/m³ | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | SO2 | NO2 | PM10 | PM2.5 | O3 | Pb | CO | NH3 | C6H6 | BaP | As | Ni |
| 1. | April-21 | 28/07/2021to 29/07/2021 | 7.1 | 13.9 | 47.8 | 23.6 | 4.45 | 0.05 | 0.22 | 1.25 | 0.76 | 0.21 | 0.67 | 1.72 |
| 2. | May-21 | 17/05/2021 to 18/05/2021 | 6.7 | 13.6 | 46.4 | 21.9 | 4.45 | 0.03 | 0.25 | 1.18 | 0.69 | 0.23 | 0.58 | 1.78 |
| 3. | Jun-21 | 16/06/2021 to 17/06/2021 | 6.5 | 12.9 | 45.3 | 19.6 | BDl | 0.02 | 0.23 | BDL | BDL | ND | 0.62 | 1.85 |
| 4. | Jul-21 | 17/07/2021 to 18/07/2021 | 6.8 | 13.3 | 46.7 | 20.6 | BDl | 0.03 | 0.21 | BDL | BDL | ND | 0.77 | 1.93 |
| 5. | Aug-21 | 06/08/2021 to 07/08/2021 | 7.04 | 13.7 | 48.5 | 21.2 | BDl | 0.04 | 0.23 | BDL | BDL | ND | 0.94 | BDL |
| 6. | Sep-21 | 15/09/2021 to 16/09/2021 | 7.42 | 13.5 | 50.7 | 23.4 | BDl | 0.03 | 0.27 | BDL | BDL | ND | 0.89 | BDL |
| 7. | Oct-21 | 09/10/2021 to 10/10/2021 | 7.7 | 13.7 | 47.3 | 22.4 | BDl | 0.04 | 0.22 | BDL | BDL | ND | 0.8 | 1.54 |
| 8. | Nov-21 | 21/11/2021 to 22/11/2021 | 7.8 | 15.7 | 48.3 | 23.4 | BDl | 0.05 | 0.24 | BDL | BDL | ND | 0.8 | 1.56 |
| 9. | Dec-21 | 15/12/2021 to 16/12/2021 | 7.8 | 14.07 | 52.17 | 24.34 | BDl | 0.04 | 0.29 | BDL | BDL | ND | 0.92 | 1.84 |
| 10 | Jan-22 | 14/01/2022 to 15/01/2022 | 8.33 | 14.07 | 51.28 | 24.78 | BDl | 0.03 | 0.32 | BDL | BDL | ND | 0.94 | 2.6 |
| 11. | Feb-22 | 14/02/2022 to 15/02/2022 | 9.14 | 15.02 | 52.9 | 25.18 | BDl | 0.04 | 0.33 | BDL | BDL | ND | 0.96 | 2.72 |
| 12. | Mar-22 | 07/03/2022 to 08/03/2022 | 9.86 | 15.78 | 54.12 | 26.39 | BDl | 0.05 | 0.35 | BDL | BDL | ND | 0.98 | 2.95 |

® Vardan EnviroLab
Laboratory: Plot No. 82A, Sector - 5, IMT Manesar, Gurugram - 122051 (Haryana)
ISO 9001 | ISO 14001 | ISO 45001

# Test Report

| | | | |
|---|---|---|---|
| **Sample Number:** | VEL/DIL/UO/01 | **Report No.:** | VEL/UO/2204160001 |
| | | **Reporting Date:** | 20/04/2022 |
| **Name & Address of the Party:** | M/s Dhariwal Infrastructure Ltd. Plot No. C-6,7 & 8, Tadali Industrial Area, MIDC, Village- Tadali, Dist- Chandrapur | **Receipt Date:** | 16/04/2022 |
| | | **Sampling Date:** | 12/04/2022 |
| | | **Sample Collected By:** | VEL Representative |
| **Sample Description:** | Used Oil | | |
| **Sampling Location:** | -- | | |

## TEST RESULTS

| S. No. | Parameters | Protocol | Result | Maximum Permissible Limit | Unit |
|---|---|---|---|---|---|
| 1. | Density | CPCB Guidelines | 0.82 | 0.85 - 0.95 | gm/cm$^3$ |
| 2. | Water | CPCB Guidelines | 15.8 | 15 | % |
| 3. | Kinetic Viscosity at 100°C | CPCB Guidelines | 24.23 | 1.0 - 32.0 | cSt (centi Stokes) |
| 4. | Neutralisation Number | CPCB Guidelines | 1.8 | 3.5 (Max) | mg KOH/gm |
| 5. | Saponification Value | CPCB Guidelines | 13.64 | 18 (Max) | mg KOH/gm |
| 6. | Polychlorinated Biphenyls (PCBs) | CPCB Guidelines | *BDL (**DL0.1ppm) | -- | -- |
| 7. | Lead (Pb) | APHA 22nd Edition, 3111 B | 14.20 | 100 | ppm |
| 8. | Arsenic (As) | APHA 22nd Edition, 3111 B | *BDL | 5 | ppm |
| 9. | Cadmium+ Chromium+ Nickle | APHA 22nd Edition, 3111 B | 12.57 | 500 | ppm |
| 10. | Polyaromatic Hydrocarbon (PAH) | CPCB Guidelines | *BDL (**DL 0.1 %) | 6 | % |

**Note:- *BDL- Below Detection Limit, **DL- Detection Limit.**

(Checked By)
ANJU INDOLIA
Sr. Analyst

(Approved By)
Dr. Shiv Prakash
Technical Manager

VARDAN ENVIROLAB Authorised Signatory

# MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: cac-cell@mpcb.gov.in

Kalpataru Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/L.S.I (R48)
No:- Format1.0/CAC/UAN No.MPCB-CONSENT-0000113131/CR - 2110000172

Date: 05/10/2021

To,
M/s Dhariwal Infrastructure Ltd.,
Plot No.C-6, C-7, C-8, Tadali Growth Centre
MIDC Tadali, Tal & Dist-Chandrapur.

Your Service is Our Duty

Sub: **Renewal of consent under RED category**

Ref:
1. Earlier Consent granted by the Board vide No.Format1.0/BO/CAC-Cell/UAN No.98447/CR-2101000005 dated 01.01.2021 valid up to 30.06.2021.
2. Minutes of Consent Appraisal Committee Meeting held on 03.08.2021, 17.08.2021 & 20.08.2021.

Your application No.MPCB-CONSENT-0000113131 Dated 24.04.2021

For: grant of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 30/06/2024**
2. **The capital investment of the project is Rs.3904.50 Crs. (As per C.A Certificate submitted by industry CI-Rs. 3904.50 Cr.)**
3. **Consent is valid for the manufacture of:**

| Sr No | Product | Maximum Quantity | UOM |
|---|---|---|---|
| Products | | | |
| 1 | Elecricity Generation (Coal based Thermal Power Plant-2x300MW) | 600 | MW |

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

| Sr No | Description | Permitted (in CMD) | Standards to | Disposal Path |
|---|---|---|---|---|
| 1. | Trade effluent | 7776 | As per Schedule-I | Recycle/reused 100 % for Cooling tower,Dust suppresion and Ash handling plant. |

| Sr No | Description | Permitted | Standards to | Disposal |
|---|---|---|---|---|
| 2. | Domestic effluent | 36 | As per Schedule-I | On land for gardening |

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

| Sr No. | Stack No. | Description of stack / source | Number of Stack | Standards to be achieved |
|---|---|---|---|---|
| 1 | 1 | Boiler-1 | 01 | As per Schedule -II |
| 2 | 2 | Boiler-2 | 01 | As per Schedule -II |
| 3 | 3 | DG Set-1 (1500 KVA) | 01 | As per Schedule -II |
| 4 | 4 | DG set-2 (1500 KVA) | 01 | As per Schedule -II |

6. **Non-Hazardous Wastes:**

| Sr No | Type of Waste | Quantity | UoM | Treatment | Disposal |
|---|---|---|---|---|---|
| 1 | Fly Ash | 3620 | Ton/D | Recycle | Send to Cement Manufacturing Plant, Brick Manufacturing Plant and dispose as per MoEF-CC,GoI Notification No.SO-763(E) dated 14.09.1999 and as amended time to time thereof. |
| 2 | Bottom Ash | 900 | Ton/D | Recycle | As above |
| 3 | Biological Sludge | 0.5 | Ton/M | Composting | Used as a manure |

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

| Sr No | Category No./ Type | Quantity | UoM | Treatment | Disposal |
|---|---|---|---|---|---|
| 1 | 5.1 Used or spent oil | 72 | MT/A | Recycle | Send to Authorised Recycler/Re-procesor |
| 2 | 35.2 Spent ion exchange resin containing toxic metals | 5 | MT/A | Landfill | CHWTSDF |
| 3 | 35.3 Chemical sludge from waste water treatment | 0.5 | MT/A | Landfill | CHWTSDF |
| 4 | 33.1 Empty barrels /containers /liners contaminated with hazardous chemicals /wastes | 200 | Nos./Y | Recycle | CHWTSDF |
| 5 | 5.2 Wastes or residues containing oil | 1 | MT/A | Incineration | CHWTSDF |
| 6 | 33.2 Contaminated cotton rags or other cleaning materials | 1 | MT/A | Incineration | CHWTSDF |

| Sr No | Category No./ Type | Quantity | UoM | Treatment | Disposal |
|---|---|---|---|---|---|
| 7 | Glass Wool | 5 | MT/A | Landfill | CHWTSDF |

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. The applicant shall comply with the conditions of the Environmental Clearance granted by MoEFCC,GoI vide letter No. J-13011/10/2009-1A.II(T) dated 04.12.2009.
11. Industry shall install online continuous monitoring system as per CPCB guidelines & data to be transmitted directly from Data Logger to Board server .
12. Industry shall comply with the emission norms within the time limit as per MoEF Notification dated 31.03.2021.
13. Industry shall install & commission the FGD system up to 31.12.2023.
14. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent.

For and on behalf of the
Maharashtra Pollution Control Board.

(Ashok Shingare IAS),
Member Secretary

**Received Consent fee of -**

| Sr.No | Amount(Rs.) | Transaction/DR.No. | Date | Transaction Type |
|---|---|---|---|---|
| 1 | 11713500.00 | MPCB-DR-5727 | 27/04/2021 | NEFT |
| 2 | 50000.00 | MPCB-DR-6903 | 23/07/2021 | RTGS |

**Earlier the industry has paid the consent fees of Rs.1,56,18,000/- with the application UAN-98447 . The consent is approved for six months (i.e. from 31.12.2020 to 30.06.2021). Six month consent fees were Rs. 39,04,500/- As per the earlier consent granted vide No.2101000005 dated 01.01.2021, the balance consent fees with the Board were Rs.1,17,13,500/- now it has been considered in this renewal of consent. Now there is not any balance consent fees with the Board.**

**Copy to:**

1. Regional Officer, MPCB, Chandrapur and Sub-Regional Officer, MPCB, Chandrapur
   - They are directed to ensure the compliance of the consent conditions.
   -
2. Chief Accounts Officer, MPCB,Sion, Mumbai
3. CAC desk - for record & website updation purpose

**SCHEDULE-I**

**Terms & conditions for compliance of Water Pollution Control:**

1. A] As per your application, you have provided the Effluent Treatment Plant (ETP) with the design capacity of 12800 m3/day.

   B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

| Sr.No | Parameters | Limiting concentration not to exceed in mg/l, except for pH |
|---|---|---|
| For Condenser Cooling Water | | |
| (1) | pH | Between 6.5 to 8.5 |
| (2) | Temperature | Not to exceed 5°C than that of intake water temp. |
| (3) | Free available chlorine | Not to exceed 0.5 mg/l |
| Boiler Blow Down | | |
| (1) | Suspended Solids | Not to exceed 100 mg/l |
| (2) | Oil & Grease | Not to exceed 10 mg/l |
| (3) | Copper (Total) | Not to exceed 1 mg/l |
| (4) | Iron (Total) | Not to exceed 1 mg/l |
| Cooling Tower Blow Down | | |
| (1) | Free available chlorine | Not to exceed 0.5 mg/l |
| (2) | Zinc | Not to exceed 1 mg/l |
| (3) | Chromium (Total) | Not to exceed 0.2 mg/l |
| (4) | Phosphate | Not to exceed 5 mg/l |
| D.M. Plant Effluent | | |
| (1) | pH | 5.5 to 9 |
| (2) | Suspended Solids | Not to exceed 100 mg/l |
| (3) | Oil & Grease | Not to exceed 10 mg/l |
| (4) | BOD 3 days | Not to exceed 30 mg/l |
| (5) | COD | Not to exceed 250 mg/l |
| (6) | TDS | Not to exceed 2100 mg/l |

   C] The Industry shall ensure connectivity online monitoring system to the MPCB server including separate energy meter for pollution control system.

   D] The treated effluent shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, effluent shall find its way to outside factory premises.

2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 36 CMD for the treatment of 36 CMD of sewage.

   B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

| Sr.No | Parameters | Standards (mg/l) | |
|---|---|---|---|
| 1 | Suspended Solids | Not to exceed | 50 mg/l |
| 2 | BOD 3 days 27°C | Not to exceed | 30 mg/l |
| 3 | COD | Not to exceed | 100 mg/l |

   C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way to outside factory premises.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.

4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

| Sr. No. | Purpose for water consumed | Water consumption quantity (CMD) |
|---|---|---|
| 1. | Industrial Cooling, spraying in mine pits or boiler feed | 49440.00 |
| 2. | Domestic purpose | 60.00 |
| 3. | Processing whereby water gets polluted & pollutants are easily biodegradable | 5280.00 |
| 4. | Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic | 0.00 |
| 5. | Gardening | 50 |

6. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

7. The industry shall reduce specific water consumption 3.5 m3/MWh as per MoEF&CC notification dtd. 7th Dec 2015 and as amended 28th June, 2018.

## SCHEDULE-II

### Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

| Stack No. | Source | APC System provided/proposed | Stack Height(in mtr) | Type of Fuel | Sulphur Content(in %) | Pollutant | Standard |
|---|---|---|---|---|---|---|---|
| 1 | Boiler-1 | ESP | 275.00 | COAL 5520 MT/Day | 0.45 | TPM | 50 Mg/Nm$^3$ |
| | | | | | | SO2 | 600 Mg/Nm$^3$ |
| | | | | LDO 5.57 KL/D | 1.80 | NOx | 450 Mg/Nm$^3$ |
| | | | | | | Mercury(Hg) | 0.03 Mg/Nm$^3$ |
| 2 | Boiler-2 | ESP | 275.00 | COAL 5520 MT/Day | 0.45 | TPM | 50 Mg/Nm$^3$ |
| | | | | | | SO2 | 600 Mg/Nm$^3$ |
| | | | | LDO 5.57 KL/D | 1.80 | NOx | 450 Mg/Nm$^3$ |
| | | | | | | Mercury(Hg) | 0.03 Mg/Nm$^3$ |
| 3 | DG set-1 ( 1500KVA) | Acoustic Enclosure | 7.80 | HSD 1.14 KL/D | 1.0 | TPM | 75 Mg/Nm$^3$ |
| | | | | | | SO2 | 22 Kg/Day |
| | | | | | | NOx | 710 PPM |
| 4 | DG set-2 (1500 KVA) | Acoustic Enclosure | 7.80 | HSD 1.14 KL/D | 1.0 | TPM | 75 Mg/Nm$^3$ |
| | | | | | | SO2 | 22 Kg/Day |
| | | | | | | NOx | 710 PPM |

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act. 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.

3. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

| Parameters | Standards |
|---|---|
| Standards for DG Sets | |
| NOx (as $NO_2$) (AT 15% $O_2$), dry basis, in ppmv | 710 |
| NMHC (as C)(at 15% $O_2$), mg/Nm$^3$ | 100 |
| PM (at 15% $O_2$), mg/Nm$^3$ Diesel Fuels- HSD & LDO | 75 |
| CO (at 15% $O_2$), ng/NM3 | 150 |

| Units | Parameters | Standards |
|---|---|---|
| Standards for Thermal Power Plant: | | |
| Unit1 & 2 | **TPPs (Units) installed after 1st January, 2003, upto 31st December, 2016*** | |
| | Particulate Matter | 50 mg / $Nm^3$ |
| | Sulphur Dioxide ($SO_2$) | 600 mg / $Nm^3$ |
| | Oxides of Nitrogen (NOx) | 450 mg / $Nm^3$ |
| | Mercury (Hg) | 0.03 mg / $Nm^3$ |

4. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
5. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
6. Control Equipment.
   a) Electrostatic Precipitator (ESP) of sufficiet capacity provided to Boiler and any other sources of particulate matter shall be Operate and maintain so as to ensure that TPM emission doesnot exceed 50 mg/Nm3.
   b) Dust collecting system and automatic water sprinkler system provided to Coal Handling Plants shall be operate and maintain continuously.
   c) Dust collector of sufficient capacity provided to coal crusher and any other source of SPM shall operate and maintain continuously.
   d) There shall not be any fugutive emission from coal storage yard.
   e) PP shall comply with the MoEF&CC,GoI Notification dated 31.03.2021 for emission standards as specified.
7. The applicant shall operate three continuous automatic ambient air and micrometeorological monitoring station at location indicated by MPC Board to be setup and operate at its own cost for measurement of SO2,NOX and particulate matter. These CAAQMS shall also have necessary provisions of networking to the Air Quality Monitoring network of MPCB.
8. The industry shall comply with the recommendations of the task force for implementation of CREP recommendation for Thermal Power Plants.
9. The industry shall comply the standards stipulated by the Ministry of Environment, Forest and Climate Change vide Noti?cation dtd 07.12.2015.
10. The industry shall ensure provision of low NOx burners, Over Fire Air (OFA) and achieve progressive reduction to comply NOx emission limit.
11. The industry shall comply with the MoEF&CC amendment notification no. S.O.1561 (E) dtd. 21.05.2020.
12. The industry shall comply with the Fly Ash Notification, 2016 and as amended thereof to achieve 100% utilization of Fly Ash. PP shall dispose legacy pond ash regularly and submit concrete program in this regard within a month.

**SCHEDULE-III**
**Details of Bank Guarantees:**

| Sr. No. | Consent (C2E/ C2O /C2R) | Amt of BG Imposed | Submission Period | Purpose of BG | Compliance Period | Validity Date |
|---|---|---|---|---|---|---|
| 1 | C2R | Rs. 30 Lakh | 15 days | Towards Operation and Maintenance of Air Pollution Control Devices to achieve emission standards. | Continuous | 30.04.2025 |
| 2 | C2R | Rs. 5 Lakh | 15 days | To switch over to 100 % usable dry fly ash collection and storage | 3 months | 30.04.2025 |
| 3 | C2R | Rs. 1 Lakh | 15 days | Towards utilization of fly ash as per fly ash notification 1999. | Continuous | 30.04.2025 |
| 4 | C2R | Rs. 1 Lakh | 15 days | Towards Mitigation of seepages from wet fly ash conveying system | 3 months | 30.04.2025 |
| 5 | C2R | Rs. 1 Lakh | 15 days | Towards Scientific operation of ash pond i.e. uniform distribution of wet slurry in the pond so as to have minimum depth of water | Continuous | 30.04.2025 |
| 6 | C2R | Rs. 1 Lakh | Submitted | Towards providing arrangement for reuse of 100% seepage water, arising from ash pond, for ash slurry | 3 months | 30.04.2025 |
| 7 | C2R | Rs. 5 Lakh | 15 days | Towards Scientific closure of abandoned ash pond with soil cover and plantation over it. | 6 months | 30.04.2025 |
| 8 | C2R | Rs. 5 Lakh | 15 days | Towards compliance of utilisation of low ash content and low sulhur content coal i.e up to 34% & 0.5% respectively | Continuous | 30.04.2025 |
| 9 | C2R | Rs. 5.0 Lakh | 15 days | Towards Operation & maintenance of the Effluent Treatment Plant to achieve disposal standards | Continuous | 30.04.2025 |
| 10 | C2R | Rs. 25 Lakh | 15 days | To install & commission the FGD system up to 31.12.2023. | 31.12.2023 | 30.04.2025 |

****Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

BG Forfeiture History

| Srno. | Consent (C2E/C2O/C2R) | Amount of BG imposed | Submission Period | Purpose of BG | Amount of BG Forfeiture | Reason of BG Forfeiture |
|---|---|---|---|---|---|---|
| NA | | | | | | |

BG Return details

| Srno. | Consent (C2E/C2O/C2R) | BG Imposed | Purpose of BG | Amount of BG Returned |
|---|---|---|---|---|
| NA | | | | |

## SCHEDULE-IV
## General Conditions:

1. Conditions for D.G. Set
   a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
   b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
   c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
   f) D.G. Set shall be operated only in case of power failure.
   g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
   h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.
2. The applicant shall maintain good housekeeping.
3. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
4. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
5. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
6. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
7. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
8. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
9. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
10. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

11. The PP shall provide personal protection equipment as per norms of Factory Act
12. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
13. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
14. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
15. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
16. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
17. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
18. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
19. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
20. The industry should not cause any nuisance in surrounding area.
21. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
22. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
23. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
24. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.

25. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
26. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
27. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
28. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
29. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
30. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
31. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

For and on behalf of the
Maharashtra Pollution Control Board.

(Ashok Shingare IAS),
Member Secretary