Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

# FORM V

**(See Rule 14)**

**Environmental Audit Report for the financial Year ending the 31st March 2021**

| ***Unique Application Number*** | ***Submitted Date*** |
|---|---|
| MPCB-ENVIRONMENT_STATEMENT-0000034093 | 16-08-2021 |

## PART A

### *Company Information*

| ***Company Name*** | ***Application UAN number*** |
|---|---|
| AMBA RIVER COKE LIMITED( PELLET PLANT) | BO/CAC-CELL/UAN NO.0000045570-18/5 th CAC-18110000988 |

***Address***

GEETAPURAM DOLVI

| ***Plot no*** | ***Taluka*** | ***Village*** |
|---|---|---|
| 08 | PEN | JUI BAPUJI DOLVI |
| ***Capital Investment (In lakhs)*** | ***Scale*** | ***City*** |
| 114713 | large | pen |
| ***Pincode*** | ***Person Name*** | ***Designation*** |
| 402107 | DR. ANAND RAI | GENERAL MANAGER (HOD-ENVIRONMENT) |
| ***Telephone Number*** | ***Fax Number*** | ***Email*** |
| 9607971413 | 2173-277542 | anand.rai@jsw.in |
| ***Region*** | ***Industry Category*** | ***Industry Type*** |
| SRO-Raigad II | Red | R53 Iron & Steel (involving processing from ore/ integrated steel plants) and or Sponge Iron units |
| ***Last Environmental statement submitted online*** | ***Consent Number*** | ***Consent Issue Date*** |
| yes | BO/CAC-CELL/UAN NO.0000045570-18/5 th CAC-1811000098 | 02/11/2018 |
| ***Consent Valid Upto*** | ***Establishment Year*** | ***Date of last environment statement submitted*** |
| 30/09/2022 | 2014 | Sep 15 2020 12:00:00:000AM |

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

RED

### *Product Information*

| ***Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| PELLET | 4000000 | 3212391 | MT/A |

### *By-product Information*

| ***By Product Name*** | ***Consent Quantity*** | ***Actual Quantity*** | ***UOM*** |
|---|---|---|---|
| NIL | 0 | 0 | Qnt/Y |

## 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 | NA | NA |
| Cooling | 3366 | 1399 |
| Domestic | 36 | 34 |
| All others | NA. | NA. |
| Total | 3396 | 1433 |

### 2) Effluent Generation in CMD / MLD

| Particulars | Consent Quantity | Actual Quantity | UOM |
|---|---|---|---|
| Trade Effluent | NIL | NIL | CMD |
| DOMESTIC Effluent | 15 | 14 | 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 |
|---|---|---|---|
| PELLET (m3/Unit of product ) | 0.109 | 0.142 | Qnt/Y |

### 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 |
|---|---|---|---|
| iron ore fines- bacheli & kirandul | 0.411 | 0.676 | MT/A |
| iron fines salav | 0.019 | 0.025 | MT/A |
| coal (pur) | 0.002 | 0.00002 | MT/A |
| Bentonite | 0.006 | 0.005 | MT/A |
| lime stone fines,Aggregate,Dolomite flnes & aggregate | 0.025 | 0.0258 | MT/A |
| Coke fines internal & purchase | 0.009 | 0.012 | MT/A |
| GCP Dust | 0.015 | 0.025 | MT/A |
| iron ore fines-IMPORTS | 0.007 | NIL | MT/A |
| iron ore fines-ODISHA | 0.0534 | 0.314 | MT/A |
| iron ore fines- JABLPURE | 0.0053 | 0.0471 | MT/A |
| iron ore fines- PELLET FEED | 0.0488 | 0.0017 | MT/A |
| ROM Fines | NIL | 0.0029 | MT/A |
| Iron Ore Fines - Iron Pyrite | 0 | 0.00174 | MT/A |

### 4) Fuel Consumption

| Fuel Name | Consent quantity | Actual Quantity | UOM |
|---|---|---|---|
| coke Oven Gas (KM3) | NIL | 64723 | CMD |
| BF Gas (NM3) | NIL | 195007180 KM3/HR | CMD |

## 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 |
| NA | NA | NA | NA | NA | NA |

### [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 |
| DEDUSTING SYSTEM 1& 2 STACK | 96.5 | 24.3 | 37.8 | 150 | NA |
| DEDUSTING SYSTEM 3 STACK | 31.9 | 27.3 | 36.4 | 150 | NA |
| MAIN FURNACE STACK | 487.2 | 21.0 | 39.5 | 150 | NA |
| DEDUSTING SYSTEM 4 STACK | 30.6 | 31.3 | 40.5 | 150 | NA |
| DEDUSTING SYSTEM 5 STACK | 50.1 | 35.8 | 40.5 | 150 | NA |

## 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 | 6000 | NIL | Ltr/A |
| 5.2 Wastes or residues containing oil | NIL | 740 | Kg/Annum |

### 2) From Pollution Control Facilities

| Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | NA | NA | Ton/Y |

## Part-E

### SOLID WASTES

### 1) From Process

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| NA | NA | NA | Ton/Y |

### 2) From Pollution Control Facilities

| Non Hazardous Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| ESP & BAG FILTER DUST | 22423 | 25856 | Ton/Y |

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

| Waste Type | Total During Previous Financial year | Total During Current Financial year | UOM |
|---|---|---|---|
| 0 | 22423 | 2585 | Ton/Y |

## 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 | NIL | Ltr/A | Sent to MPCB Authorised Recycler |
| 5.2 Wastes or residues containing oil | 740 | Kg/Annum | USED IN FURNACE |

### *2) Solid Waste*

| *Type of Solid Waste Generated* | *Qty of Solid Waste* | *UOM* | *Concentration of Solid Waste* |
|---|---|---|---|
| ESP & BAG FILTER DUST | 25856 | Ton/Y | 100% recycled IN PELLET PLANT |

## Part-G

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### *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)* |
|---|---|---|---|---|---|---|
| NA. | NA. | NA. | NA. | NA. | 114713 | NA. |

## Part-H

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### *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)* |
|---|---|---|
| NA | NA | NA |

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### *[B] Investment Proposed for next Year*

| *Detail of measures for Environmental Protection* | *Environmental Protection Measures* | *Capital Investment (Lacks)* |
|---|---|---|
| NA | NA | NA |

## Part-I

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

### *Particulars*

The company is well aware of surrounding Environment. JSW Steel Limited has planted large number of trees in the plant premises as per the guidelines given by MPCB. We are maintaining the full-fledged Nursery managed by a qualified Horticulture Officers to develop plants for our in house requirement. Till date about 202764 Nos. big trees and 564600 Nos. small trees including innumerable flower bushes, ornamental trees etc. have been planted.

### *Name & Designation*

DR.ANAND RAI GENERAL MANAGER (HOD-ENVIRONMENT)

### *UAN No:*

MPCB-ENVIRONMENT_STATEMENT-0000034093

### *Submitted On:*

16-08-2021