SBPIL/TILDA/ENV/23-24/0700

Date: 01.09.2023

To,

The Member Secretary,
Chhattisgarh Environment Conservation Board,
Paryawas Bhawan,North Block,Sector-19
Atal Nagar, Raipur (C.G.)

Sub: Submission of Environment Statement (Form-V) for the financial year 2022-23, (ending on 31/03/2023).

Dear Sir,

With reference to above cited subject, we are submitting herewith Environment Statement (Form-V) for our M/s Shri Bajrang Power & Ispat Ltd., at village- Tandwa, Tehsil-Tilda, Raipur (C.G.), as per provision of Environment (Protection) amendment Rule 1993 for the year ending 31st March' 2023 in prescribed format, as required by you.

Please acknowledge the receipt of the same.

Thanking You.

Yours Faithfully,

For, M/s Shri Bajrang Power & Ispat Ltd. Tilda

G R Telang
(DGM – EHS)

Encl: As above.

CC: The Regional Officer,
Chhattisgarh Environment Conservation Board,
Vyavsaik Parisar,Chhattisgarh Housing Board Colony
Kabir Nagar, RAIPUR (C.G.)

The Environment (Protection) Rules, 1986
(FORM – V)
(See rule 14)

Environmental Statement for the financial year ending the 31st March'2023

PART – A

(i)	Name and address of the occupier of the industry operation or process.	:	**Pradeep Tiwari** **Shri Bajrang Power & Ispat Ltd.** **Vill.: Tandwa, Tehsil- Tilda,** **Raipur (C.G.)**
(ii)	Industry category Primary – (STC code): Secondary – (SIC Code)	:	**Secondary**
(iii)	**Production Capacity – Units**	:	**Capacity**
	Sponge Iron Plant	-	4,00,000 TPA
	Captive Power Plant (WHRB+AFBC)	-	32 MW + 9 MW
	Palletization Plant	-	14,00,000 TPA
	I/O Beneficiation Plant	-	20,00,000 TPA
	Fly Ash Brick Plant	-	01 Crore Nos/Annum
	Ferro Alloys Plant with AOD	-	18000 TPA
	ESW / Pipe Plant	-	250000 TPA
	Oxygen Plant (2x250 Nm^3/hr)	-	16 TPD
	Producer Gas Plant	-	17000 Nm^3/hr & 5500 Nm^3/hr
(iv)	**Year of Establishment**		
	Kiln – I	-	26.03.2013
	16 MW CPP (WHRB)	-	31.03.2013
	Palletization	-	26.03.2013
	I/O Beneficiation	-	01.11.2014
	Fly Ash Brick Plant	-	11.01.2017
	Producer Gas Plant	-	11.01.2017
	Oxygen Plant (2x250 Nm^3/hr)	-	15.03.2021
	Kiln – II	-	25.06.2019
	16 MW CPP (WHRB)	-	25.06.2019
	09 MW CPP (AFBC)	-	25.06.2019
	Ferro Alloys Plant	-	22.06.2020
	ESW / Pipe Plant	-	13.02.2020
	AOD Plant	-	28.06.2021
(v)	Date of the last environmental Statement submitted.	:	24.09.2022

PART – B

Water and Raw Material Consumption

(1) Water consumption m^3/d:

Process	:	1285 KLD
Cooling	:	2703 KLD
Domestic	:	81 KLD

Name of Products:	During the previous Financial year 2020-21	During the Current Financial Year 2021-22
(1) Power Plant	96 KLD	96 KLD
(2) I/O Beneficiation	1189 KLD	1189 KLD

(iii) Raw Material Consumption

Name of Raw Material		During the previous Financial Year 2021-22	During the Current Financial Year 2022-23
Sponge Iron Division			
Iron Ore	-	52276.00 MT	0.0 MT
Coal	-	274196.00 MT	343278.24 MT
Dolomite	-	16722.00 MT	14407.50 MT
Pellets	-	419431.00 MT	538727 MT
Pellet Plant			
Iron Ore Fines	-	17169.00 MT	25643.77 MT
Iron Ore Concentrate	-	NIL	1126436.0 MT
Iron Ore Beneficiation	-	NIL	NIL
Bentonite	-	7043.00 MT	6577.85 MT
Coal	-	NIL	34832.58 MT
I.F.O & F.O	-	12397 KL	12726.08 MT
Iron Ore Beneficiation			
Iron Ore Fines	-	1301177 MT	1380404.63 MT
Iron Ore Fines tailing	-	NIL	141081.00 MT
AFBC (Coal Based Captive Power Plant)			
Coal	-	10636 MT	314.0 MT
Dolochar	-	10445.0 MT	387.0 MT
Ferro Alloys Plant			
Manganese Ore	-	31734 MT	58860.75 MT
Coal	-	10578 MT	6695.20 MT
Pearl Coke	-	3526 MT	4445.01 MT
Lam Coke	-	NIL	4242.63 MT
Dolomite	-	NIL	305.43 MT
Quartz	-	1939 MT	242.8 MT
EWR CS/MS Pipe Plant			
HR COIL	-	56779 MT	77328.56 MT
AOD Convertor Plant			
Flour spar	-	89 MT	NIL
Calcined Lime	-	1308 MT	NIL
Ferro Silico Manganese	-	918 MT	692.36 MT
Calcined Dolomite (Convertor)	-	838 MT	1025.4 MT
Ferro Silicon (FA-RM)	-	125 MT	150.24 MT
Ferro Manganese	-	108 MT	NIL
Ferro Silico Manganese-MC	-	60 MT	NIL
Ferro Silico Manganese Captive	-	487 MT	NIL
Ferro Manganese HC-Captive	-	16894 MT	17173.25 MT
Ferro Manganese MC- Captive	-	2607 MT	NIL
Rice Husk (Convertor)	-	3.0 MT	3 MT
Furnace Oil (Convertor)	-	496 MT	476 MT

*Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise all industries have to name the raw materials used.

PART – C

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

(1) Pollutants	Quantity of pollutants Discharged (mass/day)	Concentrations of pollutants in discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
(a) Water	No disposal of polluted water from plant to outside.		
(b) Air	It meet the required standard as prescribed by the board.		

PART – D

HAZARDOUS WASTES

(As specified under Hazardous Wastes/Management and Handling Rules, 1989)

Hazardous Waster	Total Quantity (Kg)	
	During the previous Financial year 2021-22	During the Current financial year 2022-23
(A) Used Oil	1.830 KL	1.980 KL
(B) Resin	0.00 KG	2.90 KG
(C) Phenolic Water	994 KL	568 KL

(a) From Process — As mentioned above Hazardous wastes.
(b) From pollution control facilities. — No Generation of Hazardous waste.

PART – E

Solid Waste
Total Quantity (MT)

		During the previous Financial year 2021-22	During the Current Financial Year 2022-23
(a) From process:			
Dolochar	:	64697 MT	54347.68 MT
Tailing	:	159846 MT	443621.84 MT
Ferro Slag	:	17934 MT	16016.01 MT
AOD Slag	:	NIL	978.68 MT
Manganese Oxide Dust	:	1109 MT	NIL
(b) From Pollution control facility:			
Ash	:	21703 MT	33436.35 MT
(c) 1. Quantity recycled or Re-utilized within the unit -			
Dolochar	:	10025 MT	655.67 MT
		(Consumed in our Captive Power Plant for power generation)	
Ash	:	19708 MT	14503.52 MT
		(Captive Consumption in our Own Bricks Plant)	
Ferro Slag	:	400 MT	NIL
AOD Slag	:	NIL	81.80
		(Consumed in our Own Bricks Plant)	

2. Sold

Dolochar	:	52365 MT	60310.80 MT
Ash	:	1995 MT	18332.83 MT
Tailing	:	148966 MT	141425.54 MT
Ferro Slag	:	13809 MT	21891.89 MT
AOD Slag	:	NIL	802.31 MT
Manganese Oxide Dust	:	666 MT	NIL

PART – F

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

1. Generated solid waste Dolochar is being consumed in our AFBC Power plant as a raw material.

2. Generated Ash is being used in our own Bricks Plant, sold to others Brick plants and used for internal land filling.

3. Generated Tailing is being sold to cement plant units.

4. Generated Ferro Slag and AOD slag is being used in our own Bricks Plant and balance is sold to other plant.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and cost of production.

1. Captive consumption of Char/Dolochar in AFBC boiler so as to avoid use of coal as a raw material in view of, Conservation of environment as well as of natural Resources.

2. Domestic Discharged water of plant after treatment is used for plantation purpose & sprinkled on roads & sites for dust suppression.

PART – H

Additional measures/investment proposal for environment protection including abatement of Pollution, prevention of pollution.

Solid waste Management, RCC Road Construction inside the Premises, Extensive Tree Plantation and up keeping of all Pollution Control Equipment and installed Continuous Online Ambient and Stack Emission monitoring Systems for monitoring of Ambient Air Quality & stack emission and taking corrective actions accordingly.

PART – I

Any other particulars for improving the quality of the environment.

Recycle of almost all solid wastes so as to ensure no disposal of solid waste as well as no discharge of water from factory to outside.