SHRI BAJRANG
POWER AND ISPAT LTD.
BELIEF. STRONGER THAN STEEL
POWER | STEEL | MINING

SBPIL/TILDA/ENV/21-22/ 1666

Date: 13.09.2021

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 2020-21.

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' 2021 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.

G R Telang
(AGM – EHS)

Encl: As above.

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

CIN No. : U27106CT2002PLC015184
Office & Works : Kh. No. 521/44, Village-Tandwa, Dharsiwa-Tilda Road, Tehsil-Tilda, Dist.-Raipur 493 116 (C.G.)
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GOEL TMT

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

Environmental Statement for the financial year ending the 31st March, 2021

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**
Secondary – (SIC Code)

(iii) **Production Capacity – Units –** : **Capacity**

Sponge Iron	- 4,00,000TPA
Captive Power Plant (WHRB+AFBC)	- **32 MW + 9 MW**
Pelletization	- **14,00,000 TPA**
I/O Beneficiation	- **20,00,000 TPA**
Fly Ash Brick Plant	- **01 Crore Nos / Annum**
Ferro Alloys Plant	- **18000 TPA**
ESW / Pipe Plant	- **250000 TPA**

(iv) **Year of establishment**

Kiln – I	- **26.03.2013**
Kiln – II	- **25.06.2019**
16 MW CPP (WHRB)	- **31.03.2013**
16 MW CPP (WHRB)	- **25.06.2019**
09 MW CPP (AFBC)	- **25.06.2019**
Pelletization	- **26.03.2013**
I/O Beneficiation	- **01.11.2014**
Fly Ash Brick Plant	- **11.01.2017**
Ferro Alloys Plant	- **22.06.2020**
ESW / Pipe Plant	- **13.02.2020**

(v) Date of the last environmental Statement submitted : **29.09.2020**

PART – B

Water and Raw Material Consumption

(1) Water consumption m^3 / d:

Process	:	1285 **KLD**
Cooling	:	**2679 KLD**
Domestic	:	61 **KLD**

Name of Products:		During the previous Financial year 2019-20	During the Current financial year 2020-21
(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 2019-20	During the Current Financial Year 2020-21
Sponge Iron Division			
Iron Ore	-	0.00 MT	16990.80 MT
Coal	-	264677.50 MT	226837.96 MT
Dolomite	-	13205.50 MT	10452.50 MT
Pellets	-	429093.29 MT	414472.50 MT
Pellet Plant			
Iron Ore Fines	-	1296214.00 MT	39699.40 MT
Iron Ore Concentrare		Nil	31424.00 MT
Iron Ore Beneficiation		Nil	1226101.00 MT
Bentonite	-	5837.90 MT	5549.30 MT
Coal	-	45448.20 MT	49955.26 MT
I.F.O & F.O	-	11186.92 MT	9099.85 MT
Iron Ore Beneficiation			
Iron Ore Fines	-	1426107.27 MT	1377395.00 MT
AFBC (Coal Based CaptivePower Plant)			
Coal	-	5400.00 MT	7230.81 MT
Dolochar	-	Nil	2555.40 MT
Ferro Alloys Plant			
Manganese Ore	-	Nil	24709.33 MT
Manganese Slag	-	Nil	3324.77 MT
Coal	-	Nil	5743.63 MT
Pearl Coke	-	Nil	3420.63 MT
EWR CS/MS Pipe Plant			
HR COIL	-	Nil	33032.00 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 2019-20	During the Current financial year 2020-21
(A) Used Oil	1.9 KL	1.460 KL
(B) Resin	4.5 KG	0.00 KG
(C) Phenolic Water	1535 KL	1358 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 2019-20	During the Current financial year 2020-21
(a) From process:		
Dolochar	: 57719.10 MT	55132.38 MT
Tailing	: 159236.00 MT	99606.58 MT
Ferro Slag	: Nil	11045.76 MT
(b) From Pollution control facility:		
Ash	: 24954.21 MT	28860.37 MT
(c) 1. Quantity recycled or Re-utilized within the unit -	: Dolochar- 57724.00 MT (Consumed in our Captive Power Plant for power generation)	9505.77 MT
	: Ash - 15450.00 MT (Captive Consumption in our Own Bricks Plant)	16157.87 MT
	: Ferro Slag- Nil (Consumed in our Own Bricks Plant)	300.00 MT
2. Sold	: Dolochar 117.30 MT	43658.66 MT
	: Ash 9186.46 MT	13985.17 MT
	: Tailing 85604.63 MT	50053.83 MT
	: Ferro Slag Nil	3521.61 MT

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 is being 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, 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.