SBPIL/TILDA/ENV/25-26/1182 **Date: 19.09.2025**

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 2024-25.

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' 2025 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

Authorized Signatory

Encl: As above.

CC: The Regional Officer, Chhattisgarh Environment Conservation Board, New office Building, Ring Road No. 2 Tatibandh Raipur (C.G.)

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

Environmental Statement for the financial year ending the 31st March'2025

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 Plant	- 6, 00,000 TPA
Captive Power Plant (WHRB+AFBC)	- 48 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	- 45,000 Metric tonnes per annum
ESW / Pipe Plant	- 2, 50,000 Metric tonnes per annum
Oxygen Plant (3x250 Nm^3/hr)	- 24 TPD
Producer Gas Plant	- 17000 Nm^3/hr & 5500 Nm^3/hr
Galvanized Pipes/ Hollow Section	- 1,00,000 Metric tonnes per annum
Railway Siding Cum Dispatch Facilities	- 12,000 TPD

(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	- 18.01.2024
ESW / Pipe Plant	- 13.02.2020
AOD Plant	- 28.06.2021
Kiln- III	- 11.10.2023
Galvanized Pipes/ Hollow Section	- 13.02.2020
Railway Siding Cum Dispatch Facilities	- 04.03.2020

(v) Date of the last environmental Statement submitted. - 26.09.2024

PART – B

Water and Raw Material Consumption

(1) Water consumption m^3/d:

Process	: 2375 KLD
Cooling	: 4003 KLD
Domestic	: 200 KLD

Name of Products:	During the previous Financial year 2023-24	During the Current Financial Year 2024-25
(1) Power Plant	96 KLD	96 KLD
(2) I/O Beneficiation	1189 KLD	1189 KLD
(3) Pellet Plant	840 KLD	840 KLD

(4) Brick Plant	250 KLD	250 KLD

(2) Raw Material Consumption

Name of Raw Material	During the previous Financial Year 2023-24	During the Current Financial Year 2024-25
Sponge Iron Division		
Iron Ore	9844.9 MT	0.0 MT
Coal	406342 MT	472929.88 MT
Dolomite	17466.9 MT	15085.40 MT
Pellets	685375.9 MT	748564.25 MT
Pellet Plant		
Iron Ore Fines	25535.74 MT	15296.21 MT
Iron Ore Concentrate	120890.81 MT	148798.73 MT
Iron Ore Beneficiation	1220395.01 MT	1104303.27 MT
Bentonite	6826.52 MT	6663.35 MT
Coal	54595.16 MT	52207.93 MT
I.F.O & F.O	6910.73 KL	7916.07 KL
Other if any	-	37790.37 MT
Iron Ore Beneficiation		
Iron Ore Fines	595356.00 MT	1474335.46 MT
Iron Ore Fines tailing	927962.00 MT	-
AFBC (Coal Based Captive Power Plant)		
Coal	0.00 MT	1638 MT
Dolochar	0.00 MT	-
Ferro Alloys Plant		
Manganese Ore	64980 MT	93829.91 MT
Coal	8732 MT	13619.08 MT
Coke	10034 MT	17653.245 MT
Fluxes	3882 MT	5410.820 MT
Others if any	-	6861.91 MT
EWR CS/MS Pipe Plant		
HR COIL	89704.437 MT	101618.483 MT
AOD Convertor Plant		
Flour spar	NIL	NIL
Calcined Lime	1181.01 MT	1303.151 MT
Ferro Silico Manganese	705.056 MT	1288.711 MT
Calcined Dolomite (Convertor)	1184.365 MT	1305.111 MT
Ferro Silicon (FA-RM)	180.282 MT	230.418 MT
Ferro Manganese	NIL	195.350 MT
Ferro Silico Manganese-MC	NIL	34.010 MT
Ferro Silico Manganese Captive	NIL	-
Ferro Manganese HC-Captive	19809.06 MT	-
Ferro Manganese MC- Captive	1734.85 MT	-
Rice Husk (Convertor)	NIL	33.020 MT
Furnace Oil (Convertor)	355.15 MT	366.260 MT
Galvanizing Pipe Plant		
Zinc	-	739.775 MT
Hydrochloric acid	-	
Sodium Hydro-oxide	-	
Lead	-	6.390 MT
Zinc Chloride & Ammonium Chlorides	-	
Chromium Acid	-	
Other if any	-	462.188 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	Industrial and Domestic discharge water after treatment in ETP & STP are being used for dust suppression and plantation purpose.		
(b) Air	It meets 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 2023-24	During the Current financial year 2024-25
(A) Used Oil	0.780 KL	0.780 KL
(B) Resin	0.0KG	8.0 Kg
(C) Phenolic Water	1255 KL	1256 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 2023-24	During the Current Financial Year 2024-25
(a) From process:			
Dolochar	:	36523.82 MT	48285.63 MT
Tailing	:	182348 MT	186887.86 MT
Ferro Slag	:	18145 MT	17886.83 MT
Ferro Ash	:	-	2515.50 MT
AOD Slag	:	5380 MT	7786.75 MT
Manganese Oxide Dust	:	NIL	2024.85 MT
Zinc Ash.	:	-	163.171 MT
Zinc Dross	:	-	66.31 MT
Any Other	:	-	552.73 MT
(b) From Pollution control facility:			
Ash	:	48065.64 MT	46518 MT

(c) 1. Quantity recycled or Re-utilized within the unit -

Dolochar : 20651.63 MT
(Consumed in our Captive Power Plant for power generation)

Ash : 21421 MT

(Captive Consumption in our Own Bricks Plant)

Ferro Slag	:	9689.10 MT
Ferro Ash	:	885.98 MT
AOD Slag	:	0

(Consumed in our Own Bricks Plant)

Any other	:	396.76 MT

2. Sold

Dolochar	:	23804.54 MT
Ash	:	25097 MT
Tailing	:	104829.56 MT
Ferro Slag	:	7742.88 MT
Ferro Ash	:	56.73 MT
AOD Slag	:	6242.110 MT
Manganese Oxide Dust	:	1629.72 MT
Zinc Dross	:	72.21 MT
Zinc Ash	:	205.54 MT
Any other	:	128.41 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 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.
3. Installed Rain water harvesting system within the plant premises.
4. Installed ETP and STP within the plant premises and after treatment same is being utilized for plantation and dust suppression purposes.

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 adopting good housekeeping practices and installed Continuous Online Ambient and Stack Emission monitoring Systems

for monitoring of stack emission also monitoring ambient air quality with the plant premises and taking corrective actions accordingly, Installation of rain water harvesting system for harvest top roof rain water.

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.

Constructing Rain water harvesting System within the plant premises.