

Ref.: -NSPL/EMD/2025/112

Date: 12.08.2025

To
Member Secretary,
Paryavas Bhavan,
North Block Sec.19
NAYA RAIPUR
Chhattisgarh - 490099.

Subject: Submission of Environmental Statement for the Financial Year (2024-25) ending 31st March 2025 For DRI, WHR & AFBC based power plant, Steel Melting Shop, Coal Washery, Oxygen plant, Rolling Mill and Producer Gas Plant.

Dear Sir,

Please find enclosed herewith the Environmental Statement for the Financial Year (2024-25) ending 31st March 2025 duly filled in the form (V) for DRI, WHR & AFBC based Power Plant, Steel Melting shop, Coal Washery, Oxygen plant, Rolling Mill and Producer Gas Plant.

This is for your information and Record please.

Thanking you.

With Regards,
For, Nalwa Steel and Power Limited

Ami - 12-8-25
S.S.Rathi
Director
DIN No.06986371

Copy to: The Regional Officer
Chhattisgarh Environment Conservation Board
T.V. Tower Road Raigarh (C.G.)

Nalwa Steel And Power Limited

[Corporate identity number (CIN): U74899DL1989PLC035212]
P.B. No.7, Gharghoda Road, Taraimal, Raigarh-496001, Chhattisgarh
T +91 7762- 304700-9, F +91 7762- 261489-90, E info@nalwa.com, W www.nalwa.com

Registered Office 28, Najafgarh Road, New Delhi-110015

(2) Raw material consumption

Name of raw materials	Name of products	Consumption of raw material per unit of output	
		During the current financial year (2023-24)	During the current financial year (2024-25)
Iron Ore Iron ore Pallet Coal Dolomite	Sponge Iron	1.634 T/T 0.000 T/T 0.941 T/T 0.155 T/T	1.865 T/T 0.000 T/T 1.153 T/T 0.164 T/T
Pig Iron (PI + Panthor shot + PCM fines) Sponge Iron Scrap CPC Silico Magnise End Cut Skull Plant/slag proc. scrap Mill scale Ferro Aluminum	Billet/Ingot	0.174 T/T 0.549 T/T 0.0395 T/T 0.0000 T/T 0.0000 T/T 0.03492T/T 0.0000 T/T 0.0000 T/T 0.02344 T/T 0.0000 T/T	0.1404 T/T 0.4604 T/T 0.5237 T/T 0.0005 T/T 0.0012 T/T 0.0000 T/T 0.0023 T/T 0.0265 T/T 0.0063 T/T 0.0015 T/T
'F' Grade COAL	Washed Coal	0.00 T/T	3.2684 T/T
Billets	Wire Rod	1.0482 T/T	1.0464 T/T
Coal	Producer Gas	0.000457 T/NM ³	0.000513 T/NM ³
Coal Middling Ash Char Coal fines Washery Pond fines Washery Coal Rejects F & G grade Coal	Power	0.0000 T/KWH 0.00032 T/KWH 0.00 T/KWH 0.00 T/KWH 0.00 T/KWH 0.001250 T/KWH	0.000125 T/KWH 0.000120 T/KWH 0.00 T/KWH 0.000125 T/KWH 0.000164 T/KWH 0.001355 T/KWH

PART - C**Pollution discharge to environment per unit of output**

Pollutants	Quantity of pollutants discharged (mass/ day)	Concentration of pollutants in discharges (mass/ volume)	Percentage of variation from prescribed standards with reasons
Waste Water	Zero discharge	Zero discharge	No violation
Air (Stack Emission)	36.02 kg/day	36.97 mg/Nm ³	Dust conc. Variation (-) 23.95 % No violation against standard 50 mg/Nm ³

PART - D
Hazardous Wastes

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

Hazardous waste	Total Quantity (kg)	
	During the current financial year (2023-24)	During the current financial year (2024-25)
Used Oil (Cat. 5.1)	2740.00 LTR	3770.00 LTR
Decanter Tank Tar Sludge (Cat 13.3)	000.00 MT	000.00 MT
SOLD : MOEF/SPCB Authorized Party		
Used Oil (Cat. 5.1)	2740.00 LTR	3770.00 LTR
Decanted Tar Sludge (Cat 13.3)	000.00 MT	000.00 MT

PART - E
SOLID WASTE

Solid waste	Total Quantity	
	During the current financial year (2023-24)	During the current financial year (2024-25)
a. From process		
Char	45312.49 MT	45046.00 MT
Iron Ore Dust (Fine)	88796.563 MT	39579.00 MT
Slag	33947.00 MT	29846.00 MT
Coal Rejects	000.00 MT	15492.00 MT
Coal washery fine	000.00 MT	19390.00 MT
Mill Scale	5164.422 MT	4981.00 MT
PGP Ash	9180.00 MT	6946.00 MT
Kiln Accretion	1950.00 MT	3130.00 MT
Kiln ABC dust	1226.00 MT	000.00 MT
b. From pollution control facility		
DRI -ESP Dust	21090.00 MT	17387.00 MT
Bag Filter Dust	13042.78 MT	10808.00 MT
AFBC - Fly Ash	68284.51 MT	77039.00 MT
c.		
1. Quantity recycled or reutilized within the unit		
Char	29494.00 MT	15448.00 MT
Coal Rejects	000.00 MT	12065.00 MT
Coal Middling	000.00 MT	9189.12 MT
Coal washery fine (dust)	000.00 MT	9242.15 MT
Mill Scale	5028.60 MT	4981.00 MT
Fly Ash	4577.00 MT	1302.00 MT
PGP Ash	00.00 MT	000.00 MT

MX.

2. Sold		
Char	24454.54 MT	62719.00 MT
Iron Ore Dust (Fine)	84372.64 MT	68989.00 MT
Slag(Magnetic)	651.14 MT	1465.00 MT
Coal Rejects	000.00 MT	000.00 MT
Coal washery fine (dust)	000.00 MT	000.00 MT
Mil Scale	1245.36 MT	4199.00 MT
PGP Ash	8565.67 MT	6946.10 MT
Bag Filter Dust	21068.43 MT	12495.00 MT
3. Disposed		
Char	000.00 MT	000.00 MT
Slag (Non-magnetic part)	9920.00 MT	9470.00 MT
ESP Dust	21090.00 MT	17387.00 MT
Bag filter dust	000.00 MT	000.00 MT
Fly Ash	63708.00 MT	77039.00 MT
PGP Ash	00.00 MT	00.00 MT
Kiln Accretion	1950.00 MT	3130.00 MT
Kiln ABC dust	1226.00 MT	000.00 MT

PART – F

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

Solid wastes are not hazardous category. (Report already submitted to Board) Ash Char generated from DRI production process which is using in AFBC Boiler for power generation and extra was sold to others CFBC Power Plant.

PART – G

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

Upgraded pollution control equipment's like as ESP and bag filters to achieve Particulate matter below 50Mg/Nm³.

- 03 bag filter installed at Steel Melting Shop of discharge limit is below 50 Mg/Nm³.
- 02 bag filters installed at DRI Kiln Cooling discharge area and 01 for Product Hopper to reduce fugitive emission from the Product Hopper. Swing hood has been provided above induction furnace and connected with fugitive emission system.
- Zero liquid discharge has been maintained by recycling of industrial effluent. All Industrial effluent are collected in cooling cum settling tank and recycled to process and road washing work.
- Separate ash silo provided for WHRB ESP dust, AFBC Boiler ash and for Kiln area bag filters.
- Mist fogging system provided at all the conveyor belt of raw material handling area.

M.

6. Manual sprinkler (movable) provided at raw material storage area.

PART – H

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

- (i) Coal Stored in covered shed as well as RCC flooring in the area.
- (ii) One No. additional Bag filter installed at Steel melting shop of discharge limit is below 20Mg/Nm³ (Make – Neatherman) for new 2 X 12 ton Induction Furnace in September 2018.
- (iii) CAAQMS and CEMS both are installed and data connected with CECB Raipur & CPCB Delhi on 22nd July 2015. Annual maintenance contract has been provided to third party for regular monitoring maintenance and data transmission.
- (iv) Cooling cum settling pond has been made for storage of Industrial waste water & after settling clean water recycled in the process, road cleaning and spray on raw materials etc.
- (v) Effluent settling cum cooling tank upgraded up to 20,000 KL capacity for industrial effluent collection and recycle.

PART – I

Any other particulars for improving the quality of the environment

- (i) Thick Green Belt developed in the factory campus and surrounding the boundary and nearest village total **2, 72355** nos. saplings plantation up to 31st March 2025.
- (ii) Inside Plant premises more than 33% Plantation.
- (iii) Good Housekeeping practice has been adopted and also neat & clean maintained all internal Roads of the plant area are made pucca.
- (iv) Three nos. Road sweeping machine and Water tanker provide for fugitive dust control regularly. In summer season, we hire water tankers for irrigation in the plantation area as well as for outside road & Solid waste storage area..
- (v) Two Drain Cleaning machine (TMX-20), Two Bobcut m/c and Three no. Tractor provide for the Maintaining Good Housekeeping regularly basis in plant & colony Area.
- (vi) SMS slag are using for road making after crushing (Slag crusher is installed inside the plant premises) and non-magnetic fine slag using for the civil construction work.
- (vii) At present solid waste is being filled up at own low laying area under guidance of IIT(ISM), Dhandbad, Jharkhand and covering with soil layer by layer.
- (viii) STP – 350-m³/day capacity of Sewage Treatment Plant installed in the Factory premises for colony and plant domestic waste water treatment. Treated water are using in irrigation of our garden, lawn & plantation area in the plant premises.
- (ix) 03 nos. Rain water harvesting pond & 3 nos. dead bore well are converted into harvesting pit.
- (x) Two no Rain water harvesting pond provided in the plant and all garland are connected with settling pond.
- (xi) All environmental precautions are adopted like as during transportation of vehicles like as tarpaulin covered all the vehicles. Inside plant premises all road has been make pucca.

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Ann: 12-8-25