

# Aloke Steels Industries Private Limited

REGD OFFICE

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CIN  
Email

WORKS :

Vill : Budhakhap  
Post : Karma -829137  
Dist.-Ramgarh,(Jharkhand)

Ref. No.....

Date.....

ASIPL/083/2023-24

14/09/2022

To,  
The Member Secretary,  
Jharkhand State Pollution Control Board,  
HEC Campus, TA Division Building,  
Durwa, Ranchi - 834 004.  
Jharkhand

**Sub: Submission of Environmental Statement Report from the period of April 2022 to March 2023 for our Coal based Sponge Iron.**

**Ref.:- CTO Ref. No.- JSPCB/HO/RNC/CTO-13199098/2022/1498, Dated 23/10/2022.**

Dear Sir,

With reference to the above, we are enclosing herewith the Environmental Statement Report for the period from April 2022 to March 2023 of our Sponge Iron.

Please find above in order and do the needful.

Thanking you,

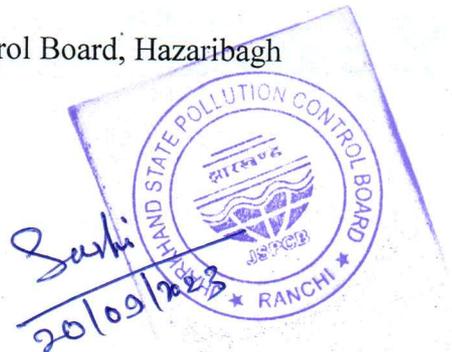
Yours faithfully,  
For ALOKE STEELS INDUSTRIES PVT.LTD.



Manoj Kumar  
Manager (Environment)

Encl: As above.

CC to: - The Regional Officer, Regional Office, State Pollution Control Board, Hazaribagh (Jharkhand)



**ENVIRONMENTAL STATEMENT**  
**Aloke Steels Industries Private Limited**  
**Period from: April 2022 to March 2023**

**FORM - V**

**PART - A**

1.	Name and address of the Owner / Occupier of the Industry operation or process	Aloke Steels Industries Pvt. Ltd. Occupier name – Kamendra Mishra Village – Budhakhap, P.O. – Digwar, Dist. – Ramgarh, Jharkhand – 829137
2.	Industry Category Primary (S.T.C. Code) Secondary (S.T.C. Code)	Red Category
3.	Production Capacity	Sponge Iron – 400 TPD
4.	Year of Establishment	06.05.2004
5.	Date of the last Environmental Statement Submitted	27/06/2022

**PART - B**

**WATER AND RAW MATERIAL CONSUMPTION**

**(I) Water consumption in m<sup>3</sup>/day:**

Process & Cooling : 237.37 m<sup>3</sup>/day  
 Domestic : 7.34 m<sup>3</sup>/day

Name of Product	Process Water Consumption per Unit of Product Output	
	During Previous Financial Year (2021-22)	During Current Financial Year (2022-23)
Sponge Iron	0.92	0.92

**(II) RAW MATERIAL CONSUMPTION:**

Name of Raw Material	Name of Product	Consumption of Raw Material Per Unit of Output	
		During Current Financial Year (2021-22)	During Current Financial Year (2022-23)
Iron ore	Sponge Iron	0.72	0.94
Iron Ore Pellet		1.34	1.20
Dolomite		0.02	0.02
Coal		1.46	1.23

**(III) POWER CONSUMPTION (KWH/MT of Sponge Iron):**

During Previous Financial Year (2021-22)	During Current Financial Year (2022-23)
72.65	72.48

**(IV) TOTAL PRODUCTION (MT):**

During Previous Financial Year (2021-22)	During Current Financial Year (2022-23)
80593.00	94018.00

**PART - C**

**DISCHARGED TO ENVIRONMENTAL / UNIT OF OUTPUT**

Pollutants	Quantity of Pollutants Discharged (Mass/Day)	Concentration of Pollutants in Discharge (Mass/Volume)	Percentage of variation from prescribed standard with reasons
(a) Water	<ul style="list-style-type: none"><li>No industrial effluent is generated. In compliance to Zero Liquid Discharge (ZLD), the web camera and flow meter are also installed with online monitoring facilities.</li><li>The waste water generated from the office toilet and mess has been discharged via septic tank and soaks pits.</li></ul>		
(b) Air	<ul style="list-style-type: none"><li>Online continuous emission monitoring system of PM &amp; SO2 are installed with web connectivity with CPCB &amp; SPCB.</li><li>Continuous Ambient Air Quality Monitoring System (CAAQMS) PM 10 parameter is installed.</li></ul>		

**PART - D**

**HAZARDOUS WASTE**

(As specified under Hazardous Wastes (Management, Handling & Trans boundary Movement Rule, 2010)

Hazardous Waste	Total Quantity (Ltrs.)	
	During Current Financial Year (2021-22)	During Current Financial Year (2022-23)
a) From Process	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.  Hazardous waste authorization issued vide letter no JSPCB / HO /RNC/HWM-8150679/2021/13 dated 04/03/2021 valid up to 07/08/2025.	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.  Hazardous waste authorization issued vide letter no JSPCB / HO /RNC/HWM-8150679/2021/13 dated 04/03/2021 valid up to 07/08/2025.
(b) From Pollution Control Facilities	Not applicable	Not applicable

**PART - E**  
**SOLID WASTE**

		Total Quantity (MT)	
		During Previous Financial Year (2021-22)	During Current Financial Year (2022-23)
(a)	From Process		
	1) Dolachar (Coal Chai)	55545.00	149124.00
	2) Other waste	24350.46	13210.250
(b)	Quantity recycled or re- utilized within the unit		
	1) Sold	65011.47	159572.790
	2) Dispose	-	-

#### PART – F

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

- Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.
- Coal Char (Chhai) and other wastes, the solid waste generated in process are being sold at present, the earlier stock of coal char are also being sold as per demand.

#### PART – G

Impact Of The Pollution Control Measures On Conservation Of Natural Resources And Consequently On The Cost Of Production

- Unit has installed four numbers of ESP at kiln stack- 1 & 2 to control stack emission.
- Unit has installed ten numbers of bag filters at various material transfer points to control fugitive emissions.
- Unit has installed eighty numbers of water sprinklers at various places within plant premises to control dust emission / fugitive emission from haul roads.
- All conveyor belts are covered with M.S.Plate.
- All raw materials are kept in covered shed.

#### PART – H

Additional Measures/Investments Proposal For Environment Protection Including Abatement of Pollution

- Plantation are made at plant site besides the boundary. We are also doing support for plantation in nearby village during rainy season every year. New plantations are also made every year in the plant during rainy season.
- EC issued vide letter no F.No.J-11011/205/2016-IA.II(I)dated – 23rd July,2018.
- The application of CTE has been applied before JSPCB vide application no 7886295 dated 21/03/2020.

#### PART – I

Any other particulates for improving the quality of environment

- Unit has installed two numbers of online Continuous Emission Monitoring System (CEMS) for measurement of particulate matter (PM) & SO<sub>2</sub>.
- The web camera & flow meter has installed with online monitoring facilities.
- Continuous Ambient Air Quality Monitoring System (CAAQMS) PM 10 parameter has installed with online monitoring facilities.
- PM 2.5, SO<sub>2</sub> & NO<sub>x</sub>- CAAQMS Parameter will be installed shortly.
- Unit has installed Telemetry System at One no. of Bore well and piezometer.
- Data of CEMS, Camera & flow meter are continuously updated on CPCB & SPCB server.
- The nine numbers of CCTV cameras has been installed within plant premises to monitor the operationalization status of Air pollution Control Devices.