

# Aloke Steels Industries Private Limited

**REGD OFFICE :** OPP. ASHOK CINEMA,  
RANCHI ROAD, MARAR - 829 117  
DIST.- RAMGARH (JHARKHAND):  
**CIN :** U27103JH2004PTC010725  
**Email :** [asipl.ramgarh@gmail.com](mailto:asipl.ramgarh@gmail.com)

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

Ref. No.....

O/c

Date.....

ASIPL/427/2019-20

03/09/2019

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 2018 to March 2019 for our Coal based Sponge Iron.**

**Ref.:- CTO Ref. No – JSPCB/HO/RNC/CTO-2689507/2018/1471, Dated 18/09/2018.**

Dear Sir,

With reference to the above, we are enclosing herewith the Environmental Statement Report from the period of April 2018 to March 2019 of our Sponge Iron.

Please find above in order and do the needful.

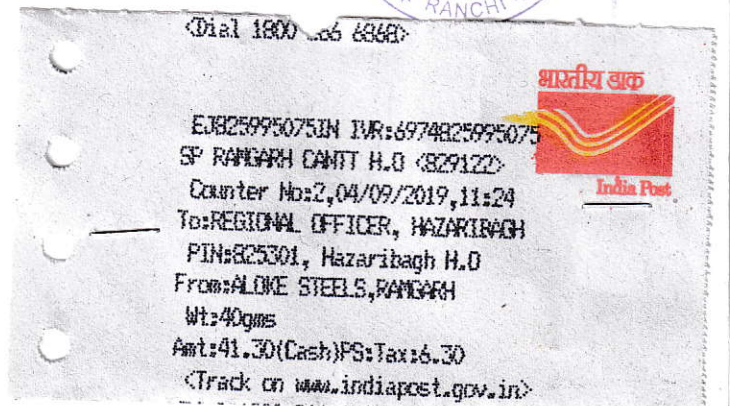
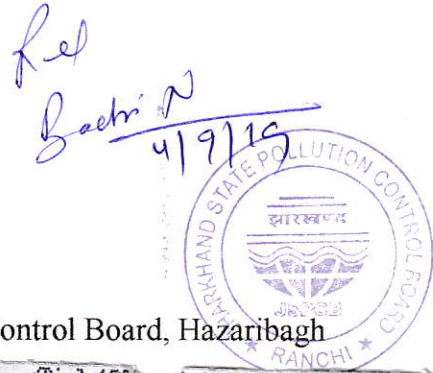
Thanking you,

Yours faithfully,  
For ALOKE STEELS INDUSTRIES PVT. LTD.

Manoj Kumar  
Manager (Environment)

Encl: As above.

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



**ENVIRONMENTAL STATEMENT**  
**Aloke Steels Industries Private Limited**  
**Period from: April 2018 to March 2019**

**FORM – V**  
**PART – A**

|    |   |  |
|----|---|--|
| 1. | Name and address of the Owner / Occupier of the Industry operation or process | Aloke Steels Industries Pvt. Ltd.<br>Occupier name – Kamendra Mishra<br>Village – Budhakhap,<br>P.S – Budhakhap,<br>Distt – Ramgarh,<br>Jharkhand – 829137 |
| 2. | Industry Category<br>Primary (S.T.C. Code)<br>Secondary (S.T.C. Code)         | Red Category   |
| 3. | Production Capacity   | Sponge Iron – 400 TPD  |
| 4. | Year of Establishment   | 2004   |
| 5. | Date of the last Environmental Statement Submitted                            | 06/06/2018   |

**PART – B**  
**WATER AND RAW MATERIAL CONSUMPTION**

**(I) Water consumption in m3/day:**

Process & Cooling : 328 m3/day

Domestic : 10 m3/day

| Name of Product | Process Water Consumption per Unit of Product Output |   |
|-----------------|--|---|
|                 | During Previous Financial Year (2017-18)             | During Current Financial Year (2018-19) |
| Sponge Iron     | 1.39   | 1.28                                    |

**(II) RAW MATERIAL CONSUMPTION:**

| Name of Raw Material | Name of Product | Consumption of Raw Material Per Unit of Output |   |
|----------------------|-----------------|--|---|
|                      |                 | During Current Financial Year (2017-18)        | During Current Financial Year (2018-19) |
| Iron ore             | Sponge Iron     | 2.71   | 2.24                                    |
| Coal                 |                 | 1.92   | 1.73                                    |
| Dolomite             |                 | 0.03   | 0.03                                    |
| Iron ore pellet      |                 | 0.04   | 0.4                                     |

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

| During Previous Financial Year (2017-18) | During Current Financial Year (2018-19) |
|--|---|
| 80.75                                    | 71.96                                   |

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

| During Previous Financial Year (2017-18) | During Current Financial Year (2018-19) |
|--|---|
| 81,466.36                                | 93819.00                                |

**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; SO<sub>2</sub> are installed with web connectivity with CPCB &amp; SPCB.</li> <li>Continuous Ambient Air Quality Monitoring System (CAAQMS) PM 10 parameter installation is under process.</li> </ul>   |  |   |

**PART – D**

**HAZARDOUS WASTE**

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

| <b>Hazardous Waste</b>                | <b>Total Quantity (Ltrs.)</b>   |   |
|---------------------------------------|---|---|
|                                       | <b>During Current Financial Year (2017-18)</b>  | <b>During Current Financial Year (2018-19)</b>  |
| a) From Process                       | Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.<br><br>We are having Hazardous waste authorization permission vide letter no JSPCB / HO / RNC / HWM-1673937/2018/27 dated 06/04/2018. | Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.<br><br>We are having Hazardous waste authorization permission vide letter no JSPCB / HO / RNC/HWM-1673937/2018/27 dated 06/04/2018. |
| (b) From Pollution Control Facilities | Not applicable  | Not applicable  |

**PART – E**  
**SOLID WASTE**

|     |   | <b>Total Quantity (MT)</b>                      |  |
|-----|---|---|--|
|     |   | <b>During Previous Financial Year (2017-18)</b> | <b>During Current Financial Year (2018-19)</b> |
| (a) | From Process                                      |   |  |
|     | 1) Dolachar (Coal Chai)                           | 54,731.00                                       | 58,288.00                                      |
|     | 2) Other waste                                    | Nil   | 12,700.00                                      |
| (b) | Quantity recycled or re- utilized within the unit |   |  |
|     | 1) Sold   | 53,455.21                                       | 1,12,222.19                                    |
|     | 2) Dispose  | Nil   | Nil  |

#### **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), the solid waste generated in process are being sold at present, the earlier stock of coal char are also being sold as per demand. ASIPL entered into MOU to supply coal char to M/s Inland power Ltd.

#### **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 nine 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.

#### **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. We have applied for CTE before JSPCB vide application no 2859080 dated 16/07/2018.

#### **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.
- Data of CEMS, Camera & flow meter are continuously updated on CPCB & SPCB server.
- Continuous Ambient Air Quality Monitoring System (CAAQMS) PM 10 parameter installation are under process.

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