

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

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

Ref. No.....
ASIPL/64/2021-22

Date.....
15/11/2021

To,
The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office (Eastern Central Zone),
Bungalow No. A-2, Shyamli colony,
Ranchi- 834002 (Jharkhand)

Sub:-Regarding compliance for the period April, 2021 to September, 2021 to the conditions of Environment Clearance for Expansion of existing 1,20,000 TPA Sponge Iron Plant by installation of new facilities for production of Steel Melting Shop for 1,08,000 TPA of Billets, Rolling mill (90,000 TPA), Iron Ore crushing & Beneficiation plant (2,70,000 TPA), Slag Crushing Plant (16,200 TPA), Captive Power Plant 18 MW (4X2 MW WHRB : 1X10 MW AFBC) and Briquetting unit for Iron ore fines (40,100 TPA).

Ref: -1) Environment Clearance Letter No.F.NO.J-11011/205/2016-IA.II(I) dt-23.07.2018
2) MoEF&CC R.O, Ranchi letter no. 103-517/ROR-2016/4764 dated 26/07/2021.

Dear Sir,
In reference to the above subject matter & reference letters, the point wise Half Yearly compliance statusfor the period of April, 2021 to September, 2021 & MoEF&CC letter reply are being submitted. Thesoft copy is alsosent through e-mail for your kind perusal please.

Hope you will find this in order and oblige.

Thanking you.
Yours faithfully
For Aloke Steels Industries Pvt. Ltd.

Authorized Signatory

Enclosures: Compliance status Report.

Cc to:-

- 1) The Zonal office In-charge, Central Pollution Control Board, Southern Conclave, Block 502, 5th & 6th Floors, 1582 Rajdanga Main Road, Kolkata - 700 107 (W. B.).
- 2) The Member Secretary, Jharkhand State Pollution Control Board, T.A. Division Building (Ground Floor), HEC Campus, P.O. Dhurwa, Ranchi - 834004, Jharkhand.
- 3) Regional Officer, Regional Office, State Pollution Control Board, Hazaribagh,



RL RANGARH CANTT H. भारतीय डाक
Counter No:2,16/11/2021
To:THE REGIONAL OFFICER,
PIN:829301, Hazaribagh
From:ALOKE STEEL INDUSTRIES, MARAR
Wt:165gms
Amt:62.00 (Cash)
<Track on www.indiapost.gov.in>
<Dial 18002666888> <Wear Masks, Stay Safe>

RJ249605067IN IVR:8274249605087
RL RANGARH CANTT H.O. भारतीय डाक
Counter No:2,16/11/2021
To:THE ZONAL OFFICER, KOLKATA
PIN:700107, Macardaha SO
From:ALOKE STEEL INDUSTRIES, MARAR
Wt:160gms
Amt:57.00 (Cash)
<Track on www.indiapost.gov.in>
<Dial 18002666888> <Wear Masks, Stay Safe>



Environment Clearance Compliance Status

Period from April -2021 to September -2021

Name of Project:	Aloke Steels Industries Pvt. Ltd.
Capacity:	Expansion of existing 1,20,000 TPA Sponge Iron Plant by installation of new facilities for production of Steel Melting Shop for 1,08,000 TPA of Billets, Rolling mill (90,000 TPA), Iron Ore crushing & Beneficiation plant (2,70,000 TPA), Slag Crushing Plant (16,200 TPA), Captive Power Plant 18 MW (4X2 MW WHRB: 1X10 MW AFBC) and Briquetting unit for Iron ore fines (40,100 TPA).
Location:	Village - Budhakhap, P.O – Karma, Distt. – Ramgarh, Jharkhand.
EC letter No.	F. NO. J-11011/205/2016-IA.II (I) Dated- 23 rd July, 2018.
MoEF&CC, Ranchi letter No.	103-517/ROR-2016/4764, dated 26/07/2021.

A. SPECIFIC CONDITION:

S.No	CONDITION	COMPLIANCE
i)	The project proponent shall revise the layout by removing the tailing pond, providing additional entry gate, sufficient parking area and green belt in 8.24 Ha, space for storage of filter cakes, etc.	Complied the layout is revised as directed.
ii)	The project proponent shall install the filter press/belt filter and make a filter cake of the tailing and sent to dispose to the users of the same.	Noted, will be complied with project installation.
iii)	The project proponent shall install the briquetting plant for briquetting/amalgamation of dust collected from air pollution control device including mill scales.	Noted, will be complied with project installation.
iv)	No ground water shall be extracted during construction and operation of the project.	Noted, will be complied with project construction and operation.

GENERAL CONDITIONS:

S.No	CONDITION	COMPLIANCE
1	An amount of Rs 160 Lakhs proposed towards Corporate Environment Responsibility shall be utilized as capital expenditure in project mode. The project shall be completed in concurrence with the implementation of the expansion and estimated on the basis of Scheduled Rates.	Noted, will be complied in due course.
2	Green belt shall be developed in 8.24 Ha of the plant area with a native tree species in accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	Being complied, for 8.24 ha will be completed in due course.

3	The Capital cost Rs. 945.0 Lakhs and annual recurring cost Rs. 105.50 Lakhs towards the environment protection measures shall be earmarked separately. The funds so provided shall not be diverted for any other purpose.	Noted, will be complied in due course.
4	The project proponent shall (Air Quality Monitoring):	
a)	Install 24x7 continuous emission monitoring system at process stacks to monitor stacks emission with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30 th May 2008 as amended from time to time S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (protection) Act, 1986 or NABL accredited laboratories.	Being complied for existing coal based Sponge Iron plant online monitoring systems are installed for monitoring of PM & SO ₂ emission of stack and it is connected online with Central Pollution Control Board and Jharkhand State Pollution Control Board URL server. Compliance regarding expansion project we have noted and will comply in due course.
b)	Monitor fugitive emissions in the plant premises at least once in every quarter through laboratories recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	Being complied for existing coal based Sponge Iron plant. Noted for compliance in expansion project. Test monitoring report is enclosed as Annexure – 1.
c)	Install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM ₁₀ and PM _{2.5} in reference to PM emission, and SO ₂ and NO _x in reference to SO ₂ and NO _x emission) within and outside the plant area (at least at four location one within and three outside the plant area at an angle of 120 ⁰ each), covering upwind and downwind direction; and	As per direction of Jharkhand State Pollution Control Board vide letter no B-19 issued on 28/02/2019, we have installed Continuous Ambient Air Quality Monitoring Station for PM 10 parameter and it is connected online with Jharkhand State Pollution Control Board URL server. JSPCB submitted copy regarding installation with commissioning of PM10 analyzer is enclosed as Annexure -2. Further we will comply in expansion project in due course.
d)	Submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/fugitive emission to Regional office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six-Monthly monitoring	Monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality report of existing plant is enclosed as Annexure

	report.	– 3. Noted for compliance in expansion project.
5	The project proponent shall (Water Quality Monitoring):	
a)	Install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30 th May 2008; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plant) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	No industrial effluent is generated, domestic discharge are made in close circuit. In compliance to Zero Liquid Discharge (ZLD), the web camera and flow meter are installed and it is connected online with Central Pollution Control Board and Jharkhand State Pollution Control Board URL server. Noted for compliance in expansion project.
b)	Monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (protection) Act, 1986 and NABL accredited laboratories; and	Noted, will be complied in due course.
c)	Submit monthly summery report of continuous effluent monitoring and result of manual effluent testing and manual monitoring of ground water quality to Regional Office of SPCB along with six-monthly monitoring report.	No industrial effluent is generated, domestic discharge are made in close circuit. In compliance to Zero Liquid Discharge (ZLD), the web camera and flow meter are installed and it is connected online with Central Pollution Control Board and Jharkhand State Pollution Control Board URL server. Noted for compliance in expansion project.
6	The project proponent shall (Air Pollution Control):	
a)	Provide appropriate Air Pollution Control (APC) system for all the dust generating points including fugitive dust from all vulnerable sources, so as to comply prescribed stack emission and fugitive	Being complied for existing plant, noted for compliance in expansion project.

	emission standards.	
b)	Provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags;	Being complied for existing plant, noted for compliance in expansion project.
c)	Provide pollution control system in the steel plant as per the CREP Guidelines of CPCB;	Noted, will be complied in due course.
d)	Provide sufficient number of mobile or stationary vacuum cleaners to clean plant roads, shop floors, roofs regularly;	Adequate arrangement of cleaning and sprinkling of water has been made. Noted, will be complied in due course in expansion project.
e)	Recycle and reuse iron ore fines, coal and coke fines, lime fines and such other fines collected in the pollution control devices and vacuum cleaning device in the process after briquetting / agglomeration;	Being complied for existing plant, noted for compliance in expansion project.
f)	Ensure covered transportation and conveying of ore, coal and other raw material to prevent spilling and dust generation;	Being complied for existing plant, noted for compliance in expansion project.
g)	Provide wind shelter fence and chemical spraying on the raw material stocks pipe.	For existing plant, units has provided coved storage shed have been provided for all raw materials like coal, Iron ore etc. Noted, will be complied in due course in expansion project.
7	The project proponent shall (Water pollution Control):	
a)	Adhere to 'Zero liquid discharge,;	Being complied for existing coal based sponge iron plant, noted for compliance in expansion project.
b)	Provide Sewage Treatment Plant for domestic wastewater ; and	Being complied for existing plant, noted for compliance in expansion project.
c)	Provide garland drains and collected pits for each stock pipe to arrest the run-off in the event of heavy rains and to check the water pollution due to surface run-off.	Being complied for existing plant, noted for compliance in expansion project.
8	The project proponent shall (Water Conservation)	
a)	Practice rainwater harvesting to maximum possible extent; and	Being complied for existing plant, noted for compliance in expansion

		project.
b)	Make efforts to minimize water consumption in the steel plant complex by segregation of used water, practicing cascade use and by recycling treated water.	Being complied for existing plant, noted for compliance in expansion project.
9)	The project proponent shall (Energy Conservation):	
a)	Provide waste heat recovery system on the DRI kilns;	Being complied, installation of WHRB is the part of the project.
b)	Use dolochar generated for power generation;	Being complied, installation of AFBC is the part of the project.
c)	Provide solar power generation on roof tops of building, for solar light system for all common areas, street lights, parking around project area and maintain the same regularly ; and	Noted, will be complied in due course.
d)	Provide the project proponent for LED lights in their offices and residential areas;	Being complied for existing plant, noted for compliance in expansion project.
10	Used refractories shall be recycled as far as possible.	Noted, will be complied in due course.
11	The project proponent shall prepare GHG emission inventory for the plant and shall submit the programme for reduction of the same including carbon sequestration including plantation.	Noted, will be complied in due course.
12	Emergency preparedness plan based on the Hazard identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.	Being complied for existing plant, noted for compliance in expansion project.
13	The project proponent shall carry out heat stress analysis for the workmen who work in the high temperature work zone and provide Personal Protection Equipment (PPE) as per the norms of factory Act.	In sponge iron unit PPE is provided. The high temperature work zone of expansion unit will be complied in due course.
14	The project proponent shall adhere to the corporate environmental policy and system of the reporting of any infringement/non-compliance of EC condition at least once in a year to the Board of Directors and the copy of the board resolution shall be submitted to the MoEF&CC as a part of six-monthly report.	Noted, will be complied in due course.
15	All the recommendations made in the Charter on Corporate Responsibility for Environment Protection (CREP) for the steel plants shall be	Noted, will be complied in due course.

	implemented.	
16	A dedicated environmental cell with qualified personnel shall be established. The head of the environment cell shall report directly to the head of the organization.	Organization of Environment Management Cell is enclosed as Annexure – 4.
17	Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, Mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	Noted for compliance in due course with start of the construction activities.
18	The project authorities must strictly adhere to the stipulations made by the State Pollution Control Board and the State Government.	Noted, will be complied in due course.
19	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change (MoEF&CC).	Noted, will be complied in due course.
20	The waste oil, grease and other hazardous waste shall be disposed of as per the Hazardous & Other waste (Management & Tranboundary Movement) Rules, 2016.	Being complied for existing plant, noted for compliance in expansion project.
21	The ambient noise levels should confirm to the standards prescribed under EPA Rules, 1989 viz. 75 dB during day time and 70 dB during night time.	Being complied for existing coal based Sponge Iron plant. Test monitoring report is enclosed as Annexure – 1. Noted for compliance in expansion project.
22	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Periodical health check-up are being carried and record are maintained.
23	The project proponent shall also comply with all the environment protection measures and safeguards recommended in the EIA/EMP report.	Being complied for existing plant, noted for compliance in expansion project.
24	100% utilization of fly ash shall be ensured. All the fly ash shall be provided to cement and brick manufacturers for further utilization and Memorandum of Understanding shall be submitted to the Ministry's Regional Office.	Noted, will be complied in due course.

25	Kitchen waste shall be composted or converted to biogas for further use.	Being complied for existing plant, noted for compliance in expansion project.
26	The project proponent shall (Post-EC monitoring):	
a)	Send a copy of environment clearance letter to the heads of Local Bodies, Panchayat, Municipal bodies and relevant offices of the Government;	Complied.
b)	Put on the clearance letter on the web site of the company for access to the public.	Complied. The copy of environment clearance letter is available on the web site of www.asipl.in .
c)	Inform the public through advertisement within seven days from the date of issue of the clearance letter, at least two local newspaper that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environment clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forest and Climate Change (MoEF&CC) at http://envfor.nic.in .	Complied. The notice has been published (English language) in 2 newspapers "Dainik Jagran" dt-02/08/2018 and "Prabhat Khabar" dt-01/08/2018. As per direction it is published in the vernacular language in 2 newspapers "Danik Jagaran" dt 15/07/2020 & "Prabhat Khabar" dt 12/07/2020. The copy of environment clearance letter is available on the web site of http://envfor.nic.in .
d)	Upload the status of compliance of the stipulated environment clearance conditions including results of monitored data on their website and update the same periodically;	Noted. Status of compliance available on the company web site www.asipl.in .
e)	Monitor the criteria pollutants level namely; PM ₁₀ , SO ₂ , NO _x (ambient levels as well as stack emission) or critical sectoral parameters, indicated for the project and display the same at a convenient location for disclosure to the public and put on the website of the company;	Being complied for existing plant, noted for compliance in expansion project. Display board has been displayed on main gate.
f)	Submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB;	Noted, will be complied in due course. Compliance report submitting on regular basis to the Regional Office of MoEF&CC, the Zonal office of CPCB and the SPCB. Last six monthly submitted compliance reports with email copy enclosed as Annexure -5 .

g)	Submit the environmental statement for each financial year in Form-V to the concerned State Pollution Control Board as prescribed under the Environment (protection) Rules, 1986 as amended subsequently and put on the website of the company;	Being complied for existing plant, noted for compliance in expansion project. Environment Statement Report has been uploaded on the company web site www.asipl.in . Environment Statement Report enclosed as Annexure -6 .
h)	Inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Noted, will be complied in due course.
24.0	The ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.	Noted the content to adhere the compliance.
25.0	The ministry reserves the right to stipulate additional conditions if found necessary. The Company in a time bound manner shall implement these conditions.	Noted the content, will be complied in due course.
26.0	The project proponent shall abide by all the commitments and recommendations made in the EIA/EMP report and that during their presentation to the EAC. The commitment made by the project proponent to the issue raised during Public Hearing shall be implemented by the proponent.	Noted, will be complied in due course.
27.0	The above condition shall be enforced, inter-alia under the provisions of the Water (Prevention & Control of pollution) Act, 1974 the air (Prevention & Control of Pollution) Act, 1981, the environment (protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Noted the content, will be complied in due course.
28.0	Any appeal against this EC shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted the content to adhere the compliance.



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Certified by ISO 9001:2015, ISO14001:2015 & OHSAS 18001:2007



TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Alope Steels Industries Pvt. Ltd.	Type of Industry	: Sponge Iron Plant
Address	: Vill. – Budhakhap, P.O. – Digwar, Ramgarh, Dist. – Ramgarh	Sampling Date	: 04.10.2021
		Period of Analysis	: 07.10.2021 – 07.10.2021
		Date of Issue	: 09.10.2021
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: 52/EC/J/M/Oct./A/1	Report No.	: 52/EC/J/M/Oct./TR(A)/1/21-22

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Stack – 1 (Kiln No. 1 & 2 attached)	
Shape of Stack	: Circular	
Materials of Construction	: M.S.	
	Height of Stack (mtr.) (from G. L.)	: 55.0
Capacity	: 100 TPD (each)	
Emission Due to	: Burning of Coal	
	Stack I.D. at sampling point (mtr.)	: 1.8
Fuel Used	: Coal	
Working Fuel Consumption	: 3.5 TPH (each)	
	Height of sampling port (mtr.) (from G.L.)	: 27.0
Pollution Control Device	: E.S.P	
	Permanent Platform & Ladder	: Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 225.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.80	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 62942.72	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 726.0	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS : 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011	: 168.20	N.A.
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 7.2	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
9.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part – 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 31.50	100.0

Remarks : Limit as per JSPCB.
: N.A. means Not Available.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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Overseas : UAE ■ Qatar ■ Netherlands



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TEST REPORT

FORMAT NO.: ENV/FM/38

Name of the Industry	: Alope Steels Industries Pvt. Ltd.	Type of Industry	: Sponge Iron Plant
Address	: Vill. - Budhakhap, P.O. - Digwar, Ramgarh, Dist. - Ramgarh	Sampling Date	: 04.10.2021
		Period of Analysis	: 07.10.2021 - 07.10.2021
		Date of Issue	: 09.10.2021
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Stack Emission
Sample ID No.	: 52/EC/J/M/Oct./A/II	Report No.	: 52/EC/J/M/Oct./TR(A)/II/21-22

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	: Stack - 2 (Kiln No. 3 & 4 attached)	
Shape of Stack	: Circular	
Materials of Construction	: M.S.	
	Height of Stack (mtr.) (from G. L.)	: 55.0
Capacity	: 100 TPD (each)	
Emission Due to	: Burning of Coal	
	Stack I.D. at sampling point (mtr.)	: 1.8
Fuel Used	: Coal	
Working Fuel Consumption	: 3.5 TPH (each)	
	Height of sampling port (mtr.) (from G.L.)	: 27.0
Pollution Control Device	: E.S.P	
	Permanent Platform & Ladder	: Yes

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Flue Gas Temperature	°C	IS : 11255 (Part 1)	: 215.0	N.A.
2.	Barometric Pressure	mm of Hg.	--	: 756.0	N.A.
3.	Velocity of Gas flow	m/s	IS : 11255 (Part 3)	: 11.50	N.A.
4.	Quantity of Gas flow	Nm ³ /hr.	IS : 11255 (Part III)	: 62599.5	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003	: 726.0	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS : 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009 : Sec. 11 (Vol. 11.07) : 2011	: 190.0	N.A.
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	: 7.4	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	: <1.0	1.0
9.	Concentration of Particulate Matter	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D 3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011	: 36.50	100.0

Remarks : Limit as per JSPCB.
: N.A. means Not Available.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

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TEST REPORT

FORMAT NO.: ENV/FM/37

Name of the Industry	: Alope Steels Industries Pvt. Ltd.	Type of Industry	: Sponge Iron Plant
Address	: Vill. – Budhakhap, P.O. – Digwar, Ramgarh, Dist. – Ramgarh	Sampling Date	: 04.10.2021 – 05.10.2021
		Period of Analysis	: 07.10.2021 – 07.10.2021
		Date of Issue	: 09.10.2021
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Ambient Air
Sample ID No.	: 52/EC/J/M/Oct./A/III	Report No.	: 52/EC/J/M/Oct./TR(A)/III/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Near Main Gate
2. Duration of Sampling : 24 hrs. (09:00 a.m. – 09:00 a.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 31.5
2. Average Relative Humidity (%) : 53.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell
5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	µg/m ³	USEPA 1997a, 40 CFR Part 50, Appendix L	53.80	60.0
2.	Concentration of PM ₁₀	µg/m ³	IS 5182 (PART 23) : 2006	91.50	100.0
3.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	12.50	80.0
4.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	32.50	80.0

Remarks : National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 ■ Ph. 033 25792891 / 25497490 ■ Fax : 033 25299141
 Laboratory : 189, 190 & 192, Rastraguru Avenue, Kolkata - 700028 ■ Ph. 033 25792889
 E-mail : info@envirocheck.org / envirocheck50@gmail.com ■ Website : www.envirocheck.org
 Branch Office : Siliguri ■ Haldia ■ Durgapur ■ Dhanbad ■ Gangtok ■ Port Blair ■ Dehradun ■ New Delhi
 Overseas : UAE ■ Qatar ■ Netherlands



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO14001:2015 & OHSAS 18001:2007



TEST REPORT

FORMAT NO.: ENV/FM/57

Name of the Industry	: Alope Steels Industries Pvt. Ltd.	Type of Industry	: Sponge Iron Plant
Address	: Vill. – Budhakhap, P.O. – Digwar, Ramgarh, Dist. – Ramgarh	Sampling Date	: 04.10.2021
		Period of Analysis	: 07.10.2021 – 07.10.2021
		Date of Issue	: 09.10.2021
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Work Zone
Sample ID No.	: 52/EC/J/M/Oct./A/IV	Report No.	: 52/EC/J/M/Oct./TR(A)/IV/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Near Raw Material Area
2. Duration of Sampling : 08 hrs. (09:30 a.m. – 05:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.5
2. Average Relative Humidity (%) : 49.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	480.0	5000.0

Remarks : Limit as per the Factory Act – 1949.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 ■ Ph. 033 25792891 / 25497490 ■ Fax : 033 25299141
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Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



TEST REPORT

FORMAT NO.: ENV/FM/57

Name of the Industry	: Alope Steels Industries Pvt. Ltd.	Type of Industry	: Sponge Iron Plant
Address	: Vill. – Budhakhap, P.O. – Digwar, Ramgarh, Dist. – Ramgarh	Sampling Date	: 04.10.2021
		Period of Analysis	: 07.10.2021 – 07.10.2021
		Date of Issue	: 09.10.2021
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Work Zone
Sample ID No.	: 52/EC/J/M/Oct./A/IV	Report No.	: 52/EC/J/M/Oct./TR(A)/IV/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Near Raw Material Area
2. Duration of Sampling : 08 hrs. (09:30 a.m. – 05:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 32.5
2. Average Relative Humidity (%) : 49.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	162.50	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	11.80	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	31.50	N.A.

Remarks : National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)



ENVIROCHECK

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Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO14001:2015 & OHSAS 18001:2007



TEST REPORT

FORMAT NO.: ENV/FM/57

Name of the Industry	: Alope Steels Industries Pvt. Ltd.	Type of Industry	: Sponge Iron Plant
Address	: Vill. – Budhakhap, P.O. – Digwar, Ramgarh, Dist. – Ramgarh	Sampling Date	: 04.10.2021
		Period of Analysis	: 07.10.2021 – 07.10.2021
		Date of Issue	: 09.10.2021
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Work Zone
Sample ID No.	: 52/EC/J/M/Oct./A/V	Report No.	: 52/EC/J/M/Oct./TR(A)/V/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Near Product Handling Area
2. Duration of Sampling : 08 hrs. (09:30 a.m. – 05:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 33.5
2. Average Relative Humidity (%) : 45.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of SPM	µg/m ³	NIOSH 0500 : 1994	860.6	5000.0

Remarks : Limit as per the Factory Act – 1949.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 ■ Ph. 033 25792891 / 25497490 ■ Fax : 033 25299141
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ENVIROCHECK

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Accredited by NABL (ISO/IEC 17025:2017)
Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



TEST REPORT

FORMAT NO.: ENV/FM/57

Name of the Industry	: Alope Steels Industries Pvt. Ltd.	Type of Industry	: Sponge Iron Plant
Address	: Vill. – Budhakhap, P.O. – Digwar, Ramgarh, Dist. – Ramgarh	Sampling Date	: 04.10.2021
		Period of Analysis	: 07.10.2021 – 07.10.2021
		Date of Issue	: 09.10.2021
Sampling Plan & Procedure	: ENV/SOP/01	Deviation from the Sampling Method and Plan	: No
		Type of Sample	: Work Zone
Sample ID No.	: 52/EC/J/M/Oct./A/V	Report No.	: 52/EC/J/M/Oct./TR(A)/V/21-22

A] GENERAL INFORMATION

1. Location of Sampling : Near Product Handling Area
2. Duration of Sampling : 08 hrs. (09:30 a.m. – 05:30 p.m.)

B] METEOROLOGICAL INFORMATION

1. Average Temperature (°C) : 33.5
2. Average Relative Humidity (%) : 45.0
3. Barometric Pressure (mm of Hg) : 758.0
4. Smell or Odour : No Remarkable Smell

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of RPM	µg/m ³	IS 5182 (PART 23) : 2006	210.0	N.A.
2.	Concentration of SO ₂	µg/m ³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved 2007: Sec. 11 (Vol. 11.07) : 2011	8.10	N.A.
3.	Concentration of NO ₂	µg/m ³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved 2005 : Sec. 11 (Vol. 11.07) : 2011	29.60	N.A.

Remarks : National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)



TEST REPORT

1.	Name of the Industry	:	Aloke Steels Industries Pvt. Ltd.
2.	Address	:	Vill. - Budhakhap, P.O. - Digwar, Ramgarh, Dist. - Ramgarh
3.	Type of Industry	:	Sponge Iron Plant
4.	Sampling Plan & Procedure	:	ENV/SOP/01
5.	Deviation from the Sampling Method & Plan	:	No
6.	Type of Sample	:	Noise
7.	Sample ID	:	ENV/52A/J/N
8.	Report ID	:	ENV/52A/J/TR(N)/21-22
9.	Date of Study	:	05.10.2021
10.	Reporting Date	:	09.10.2021
11.	Method No.	:	IS: 9989 - 1981
12.	Time of Duration of Noise	:	20 Minutes
13.	Height from Ground Level	:	4 feet

RESULT OF NOISE LEVEL STUDY

1. Location of Study : Main Gate (Day Time)			
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
09:00 - 09:20	68.2	73.5	71.8
2. Location of Study : Main Gate (Night Time)			
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:00 - 10:20	56.1	67.5	59.6
3. Location of Study : Near OHC (Day Time)			
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:10 - 10:30	64.8	70.1	67.58
4. Location of Study : Near OHC (Night Time)			
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:30 - 10:50	58.1	67.2	63.89
5. Location of Study : North - West Direction (Day Time)			
Time (A.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
10:10 - 10:30	59.4	68.5	63.9



ENVIROCHECK

Recognised by MoEF&CC, WBPCB & JSPCB
 Accredited by NABL (ISO/IEC 17025:2017)
 Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001 : 2018



6. Location of Study : North - West Direction (Night Time)			
Time (P.M)	Minimum dB(A)	Maximum dB(A)	Leq dB(A)
11:10 - 11:30	54.1	59.6	56.8
** Mean of Leq - Equivalent to Sound Energy			
Limit in Leq dB(A)			
Category Area	Day Time dB(A)	Night Time dB(A)	
A. Industrial Area	75	70	
B. Commercial Area	65	55	
C. Residential Area	55	45	
D. Silence Zone	50	40	
**Day Time is reckoned in between 6:00 A.M & 10:00 P.M		**Night Time is reckoned in between 10:00 P.M & 6:00 A.M	
(Central Pollution Control Board, Ministry of Environment & Forests Government of India) & (Department of Environment, Government of West Bengal)			
PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS			
Hours	Limit in dB(A)		
8	90		
4	93		
2	96		
1	99		
1/2	102		
1/4	105		
1/8	108		
1/16	111		
1/32	114		
(2 minutes or less)	-		
** The Noise Pollution (Regulation and Control Rules, 2000			
** S.O. 123 (E) Dated : 14 th February, 2000			

Reviewed By :

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By :

(Dr. Ajoy Paul, Quality Manager)

>End of Report<

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

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

Ref. No.....
ASIPL/670/2019-20

Date.....
Date:-20/12/2019

To
The Member Secretary,
Jharkhand State Pollution Control Board,
T.A. Division Building (Ground Floor),
H.E.C., Dhurwa, Ranchi – 834004
Jharkhand

Sub: Regarding installation, commissioning and data transmission to Jharkhand State Pollution Control Board URL server of Online Continuous Ambient Air Quality Monitoring Station (CAAQMS) for PM 10 parameter.

Ref: Your letter no B-19, Dated 28/02/2019.

Respected Sir,

Kindly refer to above, we would like to inform your good self that online Continuous Ambient Air Quality Monitoring Station for PM 10 parameter are installed by M/s Environment SA India Pvt. Ltd., Navi Mumbai and it is connected online with Jharkhand State Pollution Control Board URL sever on 19/12/2019.

The location co-ordinate of CAAQMS for PM 10 parameter is given below:-

Sr. No.	CAAQMS location	CAAQMS location Co-ordinate
1	Near temple area	Lat – 23°39'34 (N) Long – 85°32'46 (E)

This is for your information.

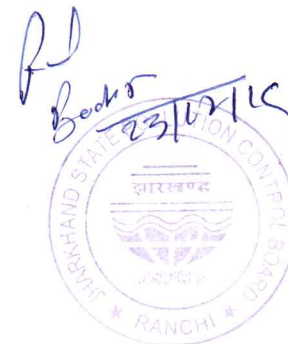
Thanking you.

Yours faithfully,
For **Aloke Steels Industries Pvt. Ltd.**

[Signature]
20/12/19
Authorized Signatory

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

Encl.:- 1) PM 10 analyser photograph.



Aloke Steels Industries Private Limited

REGD. OFFICE
ALOKE STEEL INDUSTRIES
P.O. BOX NO. 117
WARD, HARRAR - 829 117
DIST. JHARKHAND
INDIA
TEL: 065823007070
E-MAIL: alokesteel@gmail.com

APRIL 2019/2019-20

The Member Secretary,
State Pollution Control Board,
State Pollution Control Board,
1st Floor, State Building (Ground Floor),
H.B. Chowdhury, Ranchi - 834004
Jharkhand

Subject: Commissioning and data transmission to Jharkhand
State Pollution Control Board UPL server of online monitoring
Quality Monitoring Station (CAQMS) for PM 10 parameter.

Ref: Your letter no B-12, Dated 28/02/2019.

Respected Sir,

With reference to above, we would like to inform you that following continuous ambient
air quality monitoring station has been installed at the site of Alok Steel Industries
Private Limited, H.B. Chowdhury, Ranchi - 834004, Jharkhand.



Yours faithfully,
For Alok Steels Industries Pvt. Ltd.

[Signature]

Authorized Signatory

For Alok Steels Industries Pvt. Ltd.,
1st Floor, State Building (Ground Floor),
H.B. Chowdhury, Ranchi - 834004, Jharkhand.

Kindly acknowledge the receipt of this copy.

Aloke Steels Industries Pvt Ltd

PM 10 Analyser

WORKS -
Vill. Gurbakhan
Post - Karna - 422137
Dist - Raigarh (Chhattisgarh)

Date: 28/12/2019



Photo of PM 10 analyser photo copy

Aloke Steels Industries Pvt. Ltd.**Village- Bhudhakhap, Post – Karma, Distt – Ramgarh, Jharkhand - 829137****Stack emission Report (PM All values in mg/Nm³)**

Sl. No.	Month	Stack 1		Stack 2	
		PM		PM	
		Online data	Manual monitoring	Online data	Manual monitoring
1	April, 21	56	78	32	69
2	May, 21	62	84	53	72
3	June, 21	68	86	65	76
4	July, 21	79	92	78	81
5	August, 21	72	81	69	83
6	September, 21	65	80	47	71

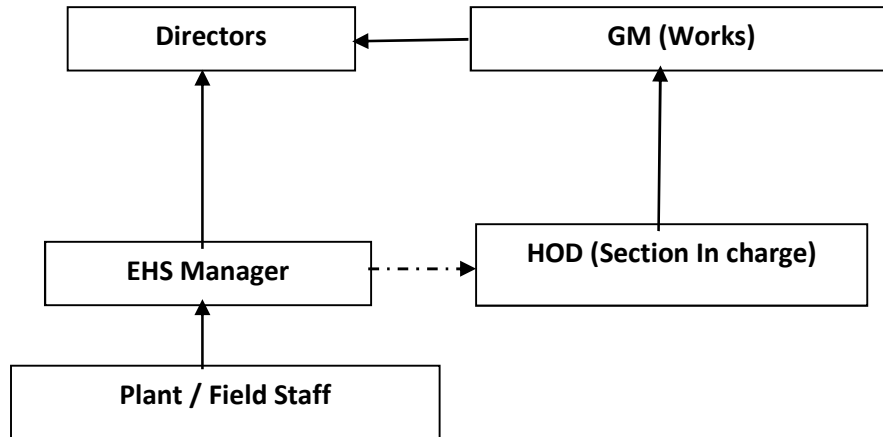
Ambient Air Quality Monitoring

Location	Parameters	Unit	April-21	May-21	June-21	July-21	Aug-21	Sep-21
Nr. Main Gate	PM 10	µg/m ³	85	91	90	92	90	89
	PM 2.5		57	49	55	56	52	54
Nr. OHC	PM 10		88	87	92	89	92	91
	PM 2.5		56	52	56	57	54	51
Nr. North-west boundary wall	PM 10		93	87	90	88	89	92
	PM 2.5		51	57	56	54	55	52

Online Ambient Air Quality Monitoring Data (PM10)

Location	Unit	April-21	May-21	June-21	July-21	Aug-21	Sep-21
Nr. Temple	µg/m ³	63	65	78	71	68	73

Organization of Environment Management Cell



Regarding compliance for the period October, 2020 to March, 2021 to the conditions of Environment Clearance for Expansion of existing 1,20,000 TPA Sponge Iron Plant by installation of new facilities for production of Steel Melting Shop for 1,08,000 TPA of Billets, Rolling mill (90,000TPA), Iron Ore crushing & Beneficiation plant (2,70,000TPA), Slag Crushing Plant (16,200 TPA), Captive Power Plant 18MW (4X2 MW WHRB:1X10 MW AFBC) and Briquetting unit for Iron ore fines (40,100 TPA).

1 message

Jharkhand <jam.env2018@gmail.com>

Fri, Jun 11, 2021 at 11:46 AM

To: ro.ranchi-mef@gov.in

Cc: zokolkatta.cpcb@nic.in, ranchijspcb@gmail.com, jspcb_hazaribagh@rediffmail.com, jipl ramgarh <jipllegal@gmail.com>

ASIPL/012/ 2021-22

05/06/2021

To,

The Additional Principal Chief Conservator of Forests (C),
Ministry of Environment, Forest & Climate Change,
Integrated Regional Office (Eastern Central Zone),
Bungalow No. A-2, Shyamli colony,
Ranchi- 834002 (Jharkhand)

Sub:- Regarding compliance for the period October, 2020 to March, 2021 to the conditions of Environment Clearance for Expansion of existing 1,20,000 TPA Sponge Iron Plant by installation of new facilities for production of Steel Melting Shop for 1,08,000 TPA of Billets, Rolling mill (90,000 TPA), Iron Ore crushing & Beneficiation plant (2,70,000TPA), Slag Crushing Plant (16,200 TPA), Captive Power Plant 18MW (4X2 MW WHRB:1X10 MW AFBC) and Briquetting unit for Iron ore fines (40,100 TPA).

Ref: - Environment Clearance Letter No. F. NO. J-11011/205/2016-IA.II (I) Dated- 23rd July, 2018.

Dear Sir,

In reference to the above subject matter & reference letter, the point wise Half Yearly compliance status for the period of October, 2020 to March, 2021 is being submitted. The soft copy is also sent through e-mail for your kind perusal please.

Hope you will find this in order and oblige.

Thanking you.

Yours faithfully

For Alope Steels Industries Pvt Ltd.

Authorized Signatory

Enclosures: Compliance status Report.

Cc to:-

- 1) The Zonal office Incharge, Central Pollution Control Board, Southernd Conclave, Block 502, 5th & 6th Floors, 1582 Rajdanga Main Road, Kolkata - 700 107 (W. B.).
- 2) The Member Secretary, Jharkhand State Pollution Control Board, T.A. Division Building (Ground Floor), HEC Campus, P.O. Dhurwa, Ranchi - 834004, Jharkhand.
- 3) Regional Officer, Regional Office, State Pollution Control Board, Hazaribagh, Jharkhand.

 **ASIPL - EC Compliance - Oct -2020 to March -2021.pdf**
8770K

Aloke Steels Industries Private Limited

REGD OFFICE

: OPP. ASHOK CINEMA,
RANCHI ROAD, MARAR -829 117
DIST. - RAMGARH (JHARKHAND)
: U27103JH2004PTC010725
: asipl.ramgarh@gmail.com

CIN
Email

WORKS :

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

Ref. No.....

Date.....

ASIPL/046/202-22

21/09/2020

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 2020 to March 2021 for our Coal based Sponge Iron.

Ref.:- CTO Ref. No.- JSPCB/HO/RNC/CTO-8127181/2020/1516, Dated 27/09/2020.

Dear Sir,

With reference to the above, we are enclosing herewith the Environmental Statement Report for the period from April 2020 to March 2021 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
21/09/2021
Manoj Kumar
Manager (Environment)

Encl: As above.

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



Rel
Bachin
22/9/2021



ENVIRONMENTAL STATEMENT
Aloke Steels Industries Private Limited
Period from: April 2020 to March 2021

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	18/09/2020

PART – B

WATER AND RAW MATERIAL CONSUMPTION

(I) Water consumption in m3/day:

Process & Cooling : 228.20 m3/day

Domestic : 7.06 m3/day

Name of Product	Process Water Consumption per Unit of Product Output	
	During Previous Financial Year (2019-20)	During Current Financial Year (2020-21)
Sponge Iron	1.08	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 (2019-20)	During Current Financial Year (2020-21)
Iron ore	Sponge Iron	1.90	1.58
Iron Ore Pellet		0.26	0.69
Dolomite		0.03	0.03
Coal		0.98	1.66

(III) POWER CONSUPTION (KWH/MT of Sponge Iron):

During Previous Financial Year (2019-20)	During Current Financial Year (2020-21)
70.65	68.05

(IV) TOTAL PRODUCTION (MT):

During Previous Financial Year (2019-20)	During Current Financial Year (2020-21)
107539.00	90388.00

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">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.The waste water generated from the office toilet and mess has been discharged via septic tank and soaks pits.		
(b) Air	<ul style="list-style-type: none">Online continuous emission monitoring system of PM & SO₂ are installed with web connectivity with CPCB & SPCB.Continuous Ambient Air Quality Monitoring System (CAAQMS) PM 10 parameter is installed.		



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 (2019-20)	During Current Financial Year (2020-21)
a) From Process	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus. Hazardous waste authorization application has been applied before JSPCB vide application no. 8150679 dated 30/05/2020.	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 (2019-20)	During Current Financial Year (2020-21)
(a)	From Process		
	1) Dolachar (Coal Chai)	65430.00	81210.00
	2) Other waste	72975.09	11720.20
(b)	Quantity recycled or re- utilized within the unit		
	1) Sold	71859.85	30661.510
	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 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) & SO₂.
- 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.
- 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.

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