

Aloke Steels Industries Private Limited

ADMN. OFFICE : Near P.N. Bank, Main Road,
Ramgarh Cantt. 829122
Dist: Ramgarh (Jharkhand)
CIN : U27103JH2004PTC010725
Telephone : 06553-226846, 226828, Fax:226845

WORKS :

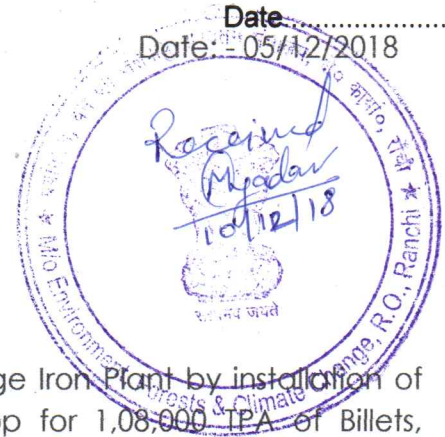
Vill : Budhakhap
Post : Karma -829137
Dist.-Ramgarh, (Jharkhand)

Ref. No.....
AS IPL/689/ 2018-19

gc

Date.....
Date: - 05/12/2018

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



Sub:- Regarding 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) located at village - Budhakhap, P.O - Karma, Distt. - Ramgarh, Jharkhand by M/s Aloke Steels Industries Pvt. Ltd.

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, it is being submitted the point wise Half Yearly compliance status, hard copy & soft copy for the period of July, 2018 to September, 2018. These are enclosed herewith for your kind perusal please.

Hope you will find this in order and oblige.

Thanking you.

Yours faithfully

For Aloke Steels Industries Pvt Ltd.

K. Mishra

Director



Enclosures: Compliance status Report period July 2018 to September-2018.

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.

Environment Clearance Compliance Status

Name of Project: Alope Steels Industries Pvt. Ltd.

Capacity & Location: 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) located at village - Budhakhap, P.O – Karma, Distt. – Ramgarh, Jharkhand.

EC letter No. F. NO. J-11011/205/2016-IA.II (I) Dated- 23rd July, 2018.

Period: July -2018 to September -2018.

A. SPECIFIC CONDITION:

Sl. 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:

Sl. 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	Being complied, for 8.24 ha, will be

	accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	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, noted for compliance in expansion project.
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. Test report enclosed as Annexure – 1. Noted for compliance in expansion project.
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° each), covering upwind and downwind direction; and	Noted, will be complied in due course.
d)	Submit monthly summary report of continuous stack emission and air quality monitoring and	Noted, will be complied in due course.

	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 report.	Test report enclosed as Annexure - 1 for existing coal based Sponge Iron plant
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.	Noted, will be complied in due course.
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.	Noted, will be complied in due course.
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 emission standards.	Being complied for existing plant, noted for compliance in expansion project.
b)	Provide leakage detection and mechanized bag cleaning facilities for better maintenance of bags;	Noted, will be complied in due course.
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;	Noted, will be complied in due course.

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;	Noted, will be complied in due course.
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.	Noted, will be complied in due course.
7)	The project proponent shall (Water pollution Control):	
a)	Adhere to 'Zero liquid discharge;;	Being complied for existing 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.	Being complied for existing plant, noted for compliance in expansion project.
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 implemented.	Noted, will be complied in due course.
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.	Board Resolution passed and taken in to compliance.

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 report 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.	Being complied for existing plant, noted for compliance in expansion project.
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. Copies of the receiving attached as Annexure-2 .
b)	Put on the clearance letter on the web site of the company for access to the public.	Complied.
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 in 2 newspapers " Dainik Jagran " dt-02/08/2018 and " Prabhat Khabar " dt-01/08/2018 Copies of same enclosed as Annexue-3 .
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, will be complied in due course.
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.
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.
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.
h)	Inform the Regional Office as well as the Ministry, the date of financial closure and final approval of	Noted, will be complied

	the project by the concerned authorities and the date of commencing the land development work.	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.

For **ALOKE STEELS INDUSTRIES PVT. LTD.**
Aloke Steels Industries Pvt. Ltd.

K. Mishra
DIRECTOR DIRECTOR



NABL ACCREDITED
Certificate No. TC-5109

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Specialised House on Environmental Monitoring, Analysis, Assessment & Management

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ULR NO – TC510918000001001F

E-mail : ecocareasansol@rediffmail.com

Manoj Talkies Basement, Kumarpur

ASANSOL-713304 (W.B.)

Format No. : EC/TRT/42/FM/01

TEST REPORT

Report Release Date : 28.11.2018	Sample Ref. No.(ARF) : EC/ARF/29/181127
Test Report No : EC/TR/42/11062	Source of Sample : Coal Based Sponge Iron Plant
Type of Sample : Dust & Gaseous Emission	Sampling Date : 21.11.2018
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 26.11.2018
Sample Details : Stack Emission	Sampling Location : ESP Stack
Name & Address : Aloke Steels Industries Pvt Ltd Vill – Budhakhap, P.O - Karma, Dist – Ramgarh Jharkhand	Sample Condition : Preserved & Sealed
	Sample Stamped : TH – 170
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Remarks : ----
	Deviation if any : None

GENERAL INFORMATION

1 Particular of the Plant	: Coal Based Sponge Iron Plant
2 Emission Due to	: Reduction of Iron Ore & Oxidation of Coal
3 Stack Connected to	: Rotary Kiln No-1&2(100 TPD x 2), No -1 in Operation
4 Material of Construction	: M.S
5 Stack Height from G.L.	: 55.00 m
6 Height of Sampling Port from G.L.	: 26.00 m
7 Height of Sampling Port from L.D.Z.	: ----
8 Dimension of Stack at Sampling Port	: 1.80 m
9 Shape of the Stack	: Circular
10 Working Load (Stream Generation Capacity)	: 6.0 MT/hr

FUEL CHARACTERISTIC REPORT

1 Source of Energy	: Coal (As Reducing Agent)
2 Energy Consumption	: 4.8 MT/hr
3 Calorific Value (K-Cal/Kg)	: ----

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1 Flue Gas Temperature	132 °C	IS 11255 : Part 3
2 Barometric Pressure	750 mm Hg	IS 11255 : Part 3
3 Velocity of Flue Gas	7.21 m/sec	IS 11255 : Part 3
4 Flue Gas Quantity	48001 NM ³ /hr	IS 11255 : Part 3
5 Concentration of Particulate Matter	73.35 mg/NM ³	IS 11255 : Part 1
6 Concentration of Carbon Dioxide %	8.0	IS 13270
7 Concentration of SO ₂	133.10 mg/NM ³	IS 11255 : Part 2
8 Concentration of NO _x	62.21 mg/NM ³	IS 11255 : Part 7

1. Test values are reported based on the samples received.
2. Sample(s) will be destroyed after 7 days from date of issues of the Test Report subject to nature of Preservation. Sample will be preserved as per the standard method.
3. The Test report shall not be reproduced, without the written approval of laboratory

Authorised Signatory

NIRANJAN LAL AGARWALLA

B Tech MS (USA), A.M.I.E.

Scientist & Chief Executive



Eco Care



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ULR NO – TC510918000001002F

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Manoj Talkies Basement, Kumarpur

ASANSOL-713304 (W.B.)

Format No. : EC/TR/42/FM/01

TEST REPORT

Report Release Date : 28.11.2018	Sample Ref. No.(ARF) : EC/ARF/29/181127
Test Report No : EC/TR/42/11063	Source of Sample : Coal Based Sponge Iron Plant
Type of Sample : Dust & Gaseous Emission	Sampling Date : 21.11.2018
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 26.11.2018
Sample Details : Stack Emission	Sampling Location : ESP Stack
Name & Address : Aloke Steels Industries Pvt Ltd Vill – Budhakhap, P.O - Karma, Dist – Ramgarh Jharkhand	Sample Condition : Preserved & Sealed
	Sample Stamped : TH – 171
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Remarks : ----
	Deviation if any : None

GENERAL INFORMATION

1 Particular of the Plant	: Coal Based Sponge Iron Plant
2 Emission Due to	: Reduction of Iron Ore & Oxidation of Coal
3 Stack Connected to	: Rotary Kiln No-3&4(100 TPD x 2), No -3 in Operation
4 Material of Construction	: M.S
5 Stack Height from G.L.	: 55.00 m
6 Height of Sampling Port from G.L.	: 26.00 m
7 Height of Sampling Port from L.D.Z.	: ----
8 Dimension of Stack at Sampling Port	: 1.80 m
9 Shape of the Stack	: Circular
10 Working Load (Stream Generation Capacity)	: 6.0 MT/hr

FUEL CHARACTERISTIC REPORT

1 Source of Energy	: Coal (As Reducing Agent)
2 Energy Consumption	: 4.8 MT/hr
3 Calorific Value (K-Cal/Kg)	: ----

RESULTS OF SAMPLING GASEOUS EMISSION ANALYSIS

		Method
1 Flue Gas Temperature	125 °C	IS 11255 : Part 3
2 Barometric Pressure	750 mm Hg	IS 11255 : Part 3
3 Velocity of Flue Gas	7.04 m/sec	IS 11255 : Part 3
4 Flue Gas Quantity	47685 NM ³ /hr	IS 11255 : Part 3
5 Concentration of Particulate Matter	79.10 mg/NM ³	IS 11255 : Part 1
6 Concentration of Carbon Dioxide %	8.2	IS 13270
7 Concentration of SO ₂	148.45 mg/NM ³	IS 11255 : Part 2
8 Concentration of NO _x	72.12 mg/NM ³	IS 11255 : Part 7

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ASANSOL-713304 (W.B.)

ULR NO – TC510918000001003F

Format No. : EC/TRT/42/FM/01

TEST REPORT

Report Release Date : 28.11.2018	Sample Ref. No.(ARF) : EC/ARF/29/181127
Test Report No : EC/TR/42/11064	Source of Sample : Coal Based Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 21.11.18 to 22.11.18
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 26.11.18 to 27.11.18
Sample Details : Ambient Air	Sample Condition : Sealed & Preserved
Name & Address : Aloke Steels Industries Pvt Ltd Vill – Budhakhap, P.O - Karma, Dist – Ramgarh Jharkhand	Remark : ----
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	22.2 °C	2	Barometric Pressure	750 mm Hg
3	Average Relative Humidity	47.0 %	4	Weather Condition	Clear Day

AMBIENT AIR QUALITY ANALYSIS REPORT

TEST METHOD	IS : 5182 (Part – 2)	IS : 5182 (Part – 6)	IS : 5182 (Part – 23)	EPA CFR40(50), Appendix L
PARAMETERS	SO ₂ (µg/M ³)	NO _x (µg/M ³)	PM < 10 micron (µg/M ³)	PM-2.5 (µg/M ³)
Method Detection Limit	4	6	20	10
1. Near Main Gate: Latitude – 23°39'42.24089" (N) Longitude - 85°33'15.20838" (E)				
Shift - A (08:30 AM To 04:30 PM)	35.98	36.32	88.14	48.42
Shift - B (04:40 PM To 12:40 AM)	23.78	30.49	75.23	
Shift - C (01:00 AM To 09:00 AM)	32.93	34.14	83.08	
Average (Shift - A To Shift - C)	30.90	33.65	82.15	
2. South West Corner of the Plant Boundary: Latitude – 23°39'47.91924" (N) Longitude - 85°33'2.73424" (E)				
Shift - A (09:00 AM To 05:00 PM)	42.07	39.24	92.32	41.12
Shift - B (05:10 PM To 01:10 AM)	32.93	31.22	80.11	
Shift - C (01:20 AM To 09:20 AM)	39.94	37.05	86.28	
Average (Shift - A To Shift - C)	38.31	35.84	86.24	
3. Near Occupational Health Center: Latitude – 23°39'49.32623" (N) Longitude - 85°33'12.02026" (E)				
Shift - A (09:15 PM To 05:15 PM)	29.88	32.68	82.16	36.24
Shift - B (05:20 PM To 01:20 AM)	20.73	28.30	65.32	
Shift - C (01:30 AM To 09:30 PM)	27.44	29.76	87.20	
Average (Shift - A To Shift - C)	26.02	30.25	78.23	

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3. The Test report shall not be reproduced, without the written approval of laboratory.

(Signature)

Authorised Signatory

NIRANJAN LAL AGARWALLA
B Tech MS (USA), A.M.I.E.
Scientist & Chief Executive



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ULR NO – TC510918000001004F

Format No. : EC/TRT/42/FM/04

TEST REPORT

Report Release Date : 28.11.2018	Sample Ref. No.(ARF) : EC/ARF/29/181127
Test Report No : EC/TR/42/11065	Source of Sample : Coal Based Sponge Iron Plant
Type of Sample : Suspended Dust & Gases	Sampling Date : 22.11.18
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : 26.11.18 to 27.11.18
Sample Details : Fugitive Air	Sample Condition : Sealed & Preserved
Name & Address : Aloke Steels Industries Pvt Ltd Vill – Budhakhap, P.O - Karma, Dist – Ramgarh Jharkhand	Remarks : ----
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature	22.0 °C	2	Barometric Pressure	750 mm Hg
3	Average Relative Humidity	45.0 %	4	Weather Condition	Clear Day

1. Sampling Location : Raw Material Crushing Area

Latitude – 23°39'46.81969'' (N) Longitude - 85°33'5.86087''(E)

TESTS	PROTOCOL	Method Detection Limit	RESULT
Suspended Particulate Matter µg/m ³	IS 5182 (Part 4): 2005	5	1393.99

2. Sampling Location : Product Handling Area

Latitude – 23°39'49.83905'' (N) Longitude - 85°33'06.4535''(E)

TESTS	PROTOCOL	Method Detection Limit	RESULT
Suspended Particulate Matter µg/m ³	IS 5182 (Part 4): 2005	5	1250.89

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NIRANJAN LAL AGARWALLA
B Tech MS (USA). A.M.I.E.
Scientist & Chief Executive



NABL ACCREDITED
Certificate No. TC-5109

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Specialised House on Environmental Monitoring, Analysis, Assessment & Management
ISO 9001 : 2015 Certified, OHSAS 18001:2007 Certified

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Manoj Talkies Basement, Kumarpur

ASANSOL-713304 (W.B.)

ULR NO – TC510918000001005F

Format No. : EC/TRT/42/FM/07

TEST REPORT

Report Release Date : 28.11.2018	Sample Ref. No.(ARF) : EC/ARF/29/181127
Test Report No : EC/TR/42/11066	Source of Sample : Coal Based Sponge Iron Plant
Type of Sample : Noise	Sampling Date : 21.11.2018
Sample Collected by : Mr. Sumit Sarkar & Team	Period of Analysis : ---
Sample Details : Ambient Noise	Sample Condition : ---
Name & Address : Aloke Steels Industries Pvt Ltd Vill – Budhakhap, P.O - Karma, Dist – Ramgarh Jharkhand	Remarks : ----
	Sample Drawn By : ECO CARE
	Sampling Plan & Procedure : EC/SOP/03/01
	Deviation if any : None

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	22.2
2	Average Relative Humidity (%)	47
3	Barometric Pressure (mm of Hg)	750
4	Weather Condition	Clear Day

AMBIENT NOISE QUALITY REPORT

Sampling Location	NOISE LEVEL		
	Minimum	Leq – Mean	Maximum
Near Main Gate: Latitude-23°39'42.24089'' (N) Longitude-85°33'15.20838''(E)	58.20 dB(A)	67.15 dB(A)	74.10 dB(A)
Near Occupational Health Center: Latitude – 23°39'47.91924'' (N) Longitude - 85°33'2.73424''(E)	52.50 dB(A)	65.31 dB(A)	70.30 dB(A)
South West Corner of the Plant Boundary: Latitude – 23°39'49.32623'' (N) Longitude - 85°33'12.02026''(E)	53.80 dB(A)	59.12 dB(A)	66.70 dB(A)

1. Test values are reported based on the samples received.
2. The Test report shall not be reproduced, without the written approval of laboratory

Authorised Signatory

NIRANJAN LAL AGARWALLA

B Tech MS (USA), A.M.I.E.

Scientist & Chief Executive

Aloke Steels Industries Private Limited

ADMN. OFFICE : Near P.N. Bank, Main Road,
Ramgarh Cantt. 829122
Dist: Ramgarh (Jharkhand)
CIN : U27103JH2004PTC010725
Telephone : 06553-226846, 226828, Fax:226845

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

Ref. No.....

ASIPL/331/2018-19

Date.....

30.07.2018

To,
The Mukhiya,
Panchayat South Karma,
Mandu, Ramgarh
Jharkhand

Sub: Submission of copy of **Environmental Clearance** for Expansion of existing 1,20,000 TPA Sponge Iron Plant to Steel Melting Shop for 1,08,000 TPA of Billets, Rolling Mill for production of 90,000 TPA Rolled Product, 18 MW Power Plant, 2,70,000 TPA Iron Ore Crushing & Beneficiation plant, Briquetting unit for Iron Ore fines 40,100 TPA and Slag Crushing 16,200 TPA of M/s Aloke Steels Industries Pvt. Ltd., at Village – Budhakhap, Ramgarh, District - Ramgarh, Jharkhand.

Ref: MoEF & CC, New Delhi EC Letter vide F. No. J-11011/205/2016-IA.II(I), dated 23.07.2018 – copy attached.

Sir,

With reference to above and as directed by the above mentioned letter, please find enclosed copy of our EC Letter F. No. J-11011/205/2016-IA.II(I), dated 23.07.2018, as granted by MoEF & CC, New Delhi for Expansion of existing 120000 TPA Sponge Iron Plant to Steel Melting Shop for 1,08,000 TPA of Billets, Rolling Mill for production of 90,000 TPA Rolled Product, 18 MW Power Plant, 2,70,000 TPA Iron Ore Crushing & Beneficiation plant, Briquetting unit for Iron Ore fines 40,100 TPA and Slag Crushing 16,200 TPA at Village – Budhakhap, Ramgarh, District - Ramgarh, Jharkhand.

This is for your information and needful. CTE has been applied accordingly.

Thanking you.

Yours Sincerely

For ALOKE STEELS INDUSTRIES PVT. LTD.

K. Mishra
DIRECTOR

Encl: as above

अधीनस्थ
मुखिया
करमा दक्षिणी पंचायत
प्रखण्ड-मान्डु, जिला-रामगढ़
(झारखण्ड)

Aloke Steels Industries Private Limited

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Ramgarh Cantt. 829122
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WORKS :
Vill : Budhakhap
Post : Karma -829137
Dist.-Ramgarh, (Jharkhand)

o/c

Ref. No.....

Date.....

ASIPL/328/2018-19

30.07.2018

To
The Deputy Commissioner
Ramgarh

Sub: Submission of copy of **Environmental Clearance** for Expansion of existing 1,20,000 TPA Sponge Iron Plant to Steel Melting Shop for 1,08,000 TPA of Billets, Rolling Mill for production of 90,000 TPA Rolled Product, 18 MW Power Plant, 2,70,000 TPA Iron Ore Crushing & Beneficiation plant, Briquetting unit for Iron Ore fines 40,100 TPA and Slag Crushing 16,200 TPA of M/s Aloke Steels Industries Pvt. Ltd., at Village – Budhakhap, Ramgarh, District - Ramgarh, Jharkhand.

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This is for your information and needful. CTE has been applied accordingly.

Thanking you.

Yours Sincerely

For ALOKE STEELS INDUSTRIES PVT. LTD.

K. Mishra
DIRECTOR

Encl: as above

Aloke Steels Industries Private Limited

ADMIN OFFICE : Near P.N. Bank, Main Road,
Ramgarh Cantt. 829122
Dist: Ramgarh (Jharkhand)
CIN : U27103JH2004PTC010725
Telephone : 06553-226846, 226828, Fax:226845

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

Ref. No.....

ASIPL/329/2018-19

Date.....

30.07.2018

To
The Member Secretary,
Jharkhand State Pollution Control Board,
TA Division Building (Ground Floor),
HEC Campus, Dhurwa,
Ranchi- 834004

Sub: Submission of copy of **Environmental Clearance** for Expansion of existing 1,20,000 TPA Sponge Iron Plant to Steel Melting Shop for 1,08,000 TPA of Billets, Rolling Mill for production of 90,000 TPA Rolled Product, 18 MW Power Plant, 2,70,000 TPA Iron Ore Crushing & Beneficiation plant, Briquetting unit for Iron Ore fines 40,100 TPA and Slag Crushing 16,200 TPA of M/s Aloke Steels Industries Pvt. Ltd., at Village – Budhakhap, Ramgarh, District - Ramgarh, Jharkhand.

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This is for your information and needful. CTE has been applied accordingly.

Thanking you.

Yours Sincerely

For ALOKE STEELS INDUSTRIES PVT. LTD.

K. Mishra
DIRECTOR

Encl: as above

Ref
Budhakhap
2/8/18

Aloke Steels Industries Private Limited

ADMN. OFFICE : Near P.N. Bank, Main Road,
Ramgarh Cantt. 829122
Dist: Ramgarh (Jharkhand)
CIN : U27103JH2004PTC010725
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WORKS :
Vill : Budhakhap
Post : Karma -829137
Dist.-Ramgarh, (Jharkhand)

Ref. No.....

ASIPL/330/2018-19

Date.....

30.07.2018

To
The Regional Officer,
Jharkhand State Pollution Control Board,
PTC Chowk, Matwari Road,
Hazaribagh - 825301

Sub: Submission of copy of **Environmental Clearance** for Expansion of existing 1,20,000 TPA Sponge Iron Plant to Steel Melting Shop for 1,08,000 TPA of Billets, Rolling Mill for production of 90,000 TPA Rolled Product, 18 MW Power Plant, 2,70,000 TPA Iron Ore Crushing & Beneficiation plant, Briquetting unit for Iron Ore fines 40,100 TPA and Slag Crushing 16,200 TPA of M/s Aloke Steels Industries Pvt. Ltd., at Village – Budhakhap, Ramgarh, District - Ramgarh, Jharkhand.

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Thanking you.

Yours Sincerely

For ALOKE STEELS INDUSTRIES PVT. LTD.

K. Mishra
DIRECTOR

Encl: as above



Aloke Steels Industries Private Limited

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

Ref. No.....

Date.....

ASIPL/332/2018-19

30.07.2018

To
The District Industries Centre,
Ramgarh Cantt.
Dist. Ramgarh
Jharkhand

Sub: Submission of copy of **Environmental Clearance** for Expansion of existing 1,20,000 TPA Sponge Iron Plant to Steel Melting Shop for 1,08,000 TPA of Billets, Rolling Mill for production of 90,000 TPA Rolled Product, 18 MW Power Plant, 2,70,000 TPA Iron Ore Crushing & Beneficiation plant, Briquetting unit for Iron Ore fines 40,100 TPA and Slag Crushing 16,200 TPA of M/s Aloke Steels Industries Pvt. Ltd., at Village – Budhakhap, Ramgarh, District - Ramgarh, Jharkhand.

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This is for your information and needful. CTE has been applied accordingly.

Thanking you.

Yours Sincerely

For ALOKE STEELS INDUSTRIES PVT. LTD.

K. Mishra
DIRECTOR

Encl: as above

Anshuman Singh
31/7/18

Aloke Steels Industries Private Limited

Admn. Office : Near P.N. Bank, Main Road, Ramgarh Cantt. 829122

Dist. Ramgarh (Jharkhand)

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

Telephone : 06553-226846, 226828, Fax : 226845

NOTICE

That M/s Aloke Steels Industries Pvt. Ltd., has been accorded Environmental Clearance (with 04 nos. of Specific conditions and 28 nos. of General conditions) by the Ministry of Environment & forest, Government of India, New Delhi vide F. No. J-11011/205/2016-IA.II(I), dated 23.07.2018 of Expansion of existing 1,20,000 TPA Sponge Iron Plant to Steel Melting Shop for 1,08,000 TPA of Billets, Rolling Mill for production of 90,000 TPA Rolled Product, 18 MW Power Plant, 2,70,000 TPA Iron Ore Crushing & Beneficiation Plant, Briquetting unit for Iron Ore fines 40,100 TPA and Slag Crushing 16,200 TPA at Village - Budhakhap, PO Karma, Block-Mandu, District-Ramgarh, Jharkhand and copies of the clearance letter are available with the Local Mukhiya, Jharkhand State Pollution Control Board (JSPCB) and may also be seen at Website of the Ministry of Environment and Forest, New Delhi at <http://enfor.ni.in> and <http://www.moef.nic.in>

K. Mishra

Director

Aloke Steels Industries Pvt. Ltd.

NOTICE

That M/s Alope Steels Industries Pvt. Ltd., has been accorded Environmental Clearance (with 04 nos. of Specific conditions and 28 nos. of General conditions) by the Ministry of Environment & Forest, Government Of India, New Delhi vide F. No. J-11011/205/2016-IA.II(I), dated 23.07.2018 for Expansion of existing 1,20,000 TPA Sponge Iron Plant to Steel Melting Shop for 1,08,000 TPA of Billets, Rolling Mill for production of 90,000 TPA Rolled Product, 18 MW Power Plant, 2,70,000 TPA Iron Ore Crushing & Beneficiation Plant, Briquetting unit for Iron Ore fines 40,100 TPA and Slag Crushing 16,200 TPA at Village - Budhakhap, PO Karma, Block - Mandu, District - Ramgarh, Jharkhand and copies of the clearance letter are available with the Local Mukhiya, Jharkhand State Pollution Control Board (JSPCB) and may also be seen at Website of the Ministry of Environment and Forests, New Delhi at <http://envfor.nic.in> and <http://www.moef.nic.in>

Ref. No.: ASIPL/326/2018-19
Date : 30.07.2018

Sd./- Director,
Alope Steels Industries Pvt. Ltd.