

Regarding compliance for the period April, 2022 to September, 2022 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).

1 message

Jharkhand <jam.env2018@gmail.com>

Thu, Nov 17, 2022 at 1:01 PM

To: ro.ranchi-mef@gov.in

Cc: rdkolkata.cpcb@gov.in, ranchijspcb@gmail.com, jspcb_hazaribagh@rediffmail.com

ASIPL/076/ 2022-23

14/11/2022

To,

The Additional Principal Chief Conservator of Forests (C),

Government of India,

Ministry of Environment, Forest & Climate Change,

Integrated Regional Office (Eastern Central Zone),

2nd Floor, Headquarter-Jharkhand State Housing Board,

Harmu Chowk, Ranchi, Jharkhand- 834002

Sub:- Regarding compliance for the period April, 2022 to September, 2022 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,

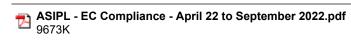
In reference to the above subject matter & reference letters, the point wise Half Yearly compliance status for the period of April, 2022 to September, 2022 is being submitted. The soft copy is also sent through e-mail for your kind perusal please.

Hope you will find this in order and oblige.

Thanking you. Yours faithfully

For Aloke Steels Industries Pvt Ltd.

Authorized Signatory



Aloke Steels Industries Private Limited

REGD OFFICE

CIN Email : OPP. ASHOK CINEMA, RANCHI ROAD, MARAR -829 117 DIST. - RAMGARH (JHARKHAND)

: U27103JH2004PTC010725 : asipl.ramgarh@gmail.com WORKS:

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

Ref. No	
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0/0

Date.....

14/11/2022

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Thanking you. Yours faithfully

For Aloke 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.).
- The Member Secretary, Jharkhand State Pollution Control Board, T.A. Division Building (Ground Floor), HEC Campus, P.O. Dhurwa, Ranchi -834004, Jharkhand.
- Regional Officer, Regional Office, State Pollution Control Board, Hazaribagh, Jharkhand.





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^	Ant:52.00(Cash) (Track on www.indiapost.gov.in)	Fr.
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Online Consent Management & Monitoring System

Ministry of Environment, Forest and Climate Change
Government of India





Laboratory Management Waste Management Batteries Registration Construction & Demolition Authorization **CESS Management** Knowledge Base Logout Apply For Consent ► Change Password Industry Profile Compliance Management Date: 17-11-2022 Welcome ALOKE STEELS INDUSTRIES PRIVATE LIMITED Laboratory Monitoring Report Online Payment Verification Your Compliance details has been Submitted, Your Acknowledgement Number is 14764148. Thank You!. Fee Calculator General e-Wallet Management Delete InProgress **General Details** Applications **Industry Name:** ALOKE STEELS INDUSTRIES PRIVATE LIMITED Delete InProgress LAB **Industry Address: VILL: BUDHAKHAP, PO: DIGWAR, RAMGARH** Applications **Industry Pin:** 829137 View Notices 0 **Industry S.T.D. Code(Phone):** 06553 **Industry Phone No:** 226846 Send us your feedback **Industry E-Mail Address:** asipl.ramgarh@gmail.com and suggestions Occupier Name: KAMENDRA MISHRA **Occupier Designation: DIRECTOR** click here for any kind **Occupier Address: NEAR PNB, MAIN ROAD** complaints or query **Occupier Pin:** 829122 **Occupier Mobile No: Occupier Email Address:** asipl.ramgarh@gmail.com **Industry Category:** Iron & Steel involving processing from ore/integrated steel plan **Industry Type:** Last Consent Granted App. No: 13199098 **Last Consent Granted Uploaded Certificate:** View Uploaded Certificate СТО Last Consent Granted App. Type: View File **Authorization to file Compliance:** User **Proposal** Date of Proposal Proposal Category Recieved File No **Agency** No. grant Name on

	Environment Clearance letter issued vide F. NO. J-11011/205/2016-IA.II (I) Dated- 23rd July, 2018 from MOEF&CC, New Delhi.
General Condition:	
General Condition.	<u>View</u>
Specific Condition:	<u>View</u>

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Environment Clearance Compliance Status Period from April -2022 to September -2022

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- 23rd July, 2018.		

A. SPECIFIC CONDITION:

S1.No	CONDITION	COMPLIANCE
i)	The project proponent shall revise the	Complied the layout is revised as
	layout by removing the tailing pond,	directed.
	providing additional entry gate, sufficient	
	parking area and green belt in 8.24 Ha,	
	space for storage of filter cakes, etc.	
ii)	The project proponent shall install the filter	Noted, will be complied with
	press/belt filter and make a filter cake of	project installation.
	the tailing and sent to dispose to the users	
	of the same.	
iii)	The project proponent shall install the	Noted, will be complied with
	briquetting plant for	project installation.
	briquetting/amalgamation of dust collected	
	from air pollution control device including	
	mill scales.	
iv)	No ground water shall be extracted during	Agree with.
	construction and operation of the project.	
		Surface Water drawl agreement
		executed with DVC for drawl of
		water from Damodar River.

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.	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.	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 Mon	itoring):
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 30th May 2008 as amended from time to time S.O. 3305 (E) dated 7th 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 & SO2 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.	
с)	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	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 report.	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 – 3.
		Noted for compliance in expansion project.
5	The project proponent shall (Water Quality M	Ionitoring):
a)	Install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30th May 2008; S.O. 3305 (E) dated 7th 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	Being complied on regular basis. Ground Water quality monitoring report & Piezometer reading are enclosed as Annexure – 4.
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 sixmonthly 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 Co.	ntrol):
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.	noted for compliance in
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 Conserva	tion)
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 Conserve	ation):
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	Being complied for existing plant, noted for compliance in

	(HIRA) and Disaster Management Plan shall be implemented.	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 sixmonthly 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.	Being complied on regular basis.
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 – 5 .
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.	
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 &	Being complied for existing plant, noted for compliance in

	Tranboundary Movement) Rules, 2016.	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.	
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 monitor	ring):
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 .
с)	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	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

	also be seen at Website of the Ministry of Environment, Forest and Climate Change (MoEF&CC) at http://envfor.nic.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 -6.
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 -7.
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 commending 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.



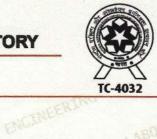
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NABL accredited testing laboratory vide certificate Number TC-4032

Certified by:

Accredited by:

Jharkhand State Pollution Control Board (JSPCB)
ISO 9001:2015 & ISO 45001:2018



Test Certificate

ULR (Unique	Lab Report) No.	A ICANIA	T	C	4	0	3	2	2	2	0	0	0	0	0	8	4	TE T	3 F
Discipline	Chemical	Group Atmospheric Pollution				-	Sample Description					Ambient Air Quality							
Report Rele	ase Date	23rd May, 2022									YBAEEL-220505-114227-A01								
W. Order/ J	SPCB App. No.	13130692				760	Work Order Date 04.05.2022						THE CAMPERS						
Type of Indi	ustry (If any)	Sponge Iron	Unit	otà	46.8			Job	code/	Ref.	no.		YBAE	EL/W	A/L/A	/Mav	-22/	28	
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*****Test Results ******

Parameters	Test Methods	Units	MU %	Sampling Location Site A	Limits
Particulate matter (PM ₁₀)	IS:5182 (P-23) 2006, RA 2017	µg/m³	2.68	89.5	100
Particulate matter (PM _{2.5})	IS:5182 (P-24) 2019	µg/m³	2.60	49.5	60
Sulphure Dioxide (SO ₂)	IS:5182 (P-2) 2001 RA 2017	µg/m³	7.84	17.1	80
Nitrogen Dioxide (NO ₂)	IS:5182 (P-6) 2006 RA 2017	µg/m³	4.17	37.0	80

******End of Report*****

Limit is specified as	Environmental (Protection) Rule – 1986.					
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,					
Env. Condition of Lab	Laboratory is maintaining. Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).					
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility.					
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.					
	This report cannot be reproduced, except when in full, without the written permission of the CEO.					
	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless specified otherwise					
	The liability of the laboratory is limited to the invoiced amount.					
The state of the s	All disputes are subjected to the Ranchi Jurisdiction.					
Remarks	Samples comply with prescribed limits.					

Sample Drawn By

- Angad Munda

Tested By

- Amit Kumar Sinha (Lab Analyst)

Bul 23/05/2022	J-83582
Venified by	Issued by
Brij Nandan Kumar	Umesh Das
Section In-Charge	Technical Manager

MEERING LABORATORY

Authorized Signatory
Atmospharic Pollution
Yugantar Bharati Analytical &
Environmental Engineering Laboratory

Yugantar Bharati Analytical & Environmental Engineering Laboratory



Branch Office: - Jamshedpur Dhanbad Hazaribag Pa



ISO 9001:2015



ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -Certified by:-

Jharkhand State Pollution Control Board (JSPCB)

An ISO 9001:2015 & ISO 45001:2018 RHARATT ANAL



Test Certificate

certifie	d by:- An ISO 900	01:2015 & ISO 4	5001:2018						Contro		
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Report Relea	port Release Date 23rd May, 2022				Report ID		YBAEEL-220	505-1	14227-F01		
W. Order/ JS	SPCB App. No.	B App. No. 13130692			Work Order D	ate	04.05.2022		ckR3		
Type of Indu	e of Industry (If any) Sponge Iron Unit			100	Job code/ Re	f. no.	no. YBAEEL/WA/L/A/May-22/28				
Report Issue	to LARORAY	CONTRACTOR CONTRACTOR CONTRACTOR	Steels Industries akhap, PO - Digwa			id. 🙀 🔗	NIRONNE				
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Compline	A Raw Material Handling A			g Area (10 mtr. away from	23º39'49.52"N, 85º33'04.71"E					
Sampling Lo	Sampling Locations B. Product Handling Area			a (10 mt	. away from source	23°39'48.93"N, 85°33'06.71"E					
Meteorologic	cal Cond. of Field	W.C Partly	Cloudy/Drizzling	RH %	- 48	Temp	30°C	W.D	West-East		
Sample receipt Date 19/05/2022 Analysis Started on			14 TA 345 T	19/05/2022		nalysis completed on 21/05/2022					

Parameters	Test Method	Units	Sampling	Location	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
raidilleters	Test Metriod	Onits	Site A	Site B	Limit
Suspended Particulate matter (SPM)	IS:5182 (P-IV) 1999	µg/m³	1819.1	1639.4	2000
Sulphure Dioxide (SO ₂)	IS:5182 (P-2) 2001 RA 2017	µg/m³	11.5	9.2	
Nitrogen Dioxide (NO ₂)	IS:5182 (P-6) 2006 RA 2017	µg/m³	25.9	22.7	TO ROW

^{*}End of Report**

Limit is specified as	Environmental (Protection) Rule – 1986. (8 hours basis)
Abbreviation	MDL: Minimum detection limit, BDL: Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility.
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
- DONAL OF	This report cannot be reproduced, except when in full, without the written permission of the CEO.
	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless specified otherwise
D	The liability of the laboratory is limited to the invoiced amount.
The state of the s	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Samples comply with prescribed limits.

Sample Drawn By

- Angad Munda

Tested By

- Amit Kumar Sinha (Lab Analyst)

Only CONCERN for Jharkhand State Pollution Control Board Application No. 13130692 Allotted Date ... 04-05-2022 Submission Date 23 - 05 - 2022

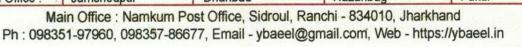
a Wall of	MITAL 28
Balan (05/20)2	8 335 32
Verified by	Issued by
Brij Nandan Kumar	Umesh Das
Section In-Charge	Technical Manager

EERING LABORATORY

Authorized Signatory Atmospharic Pollution Yugantar Bharati Analytical & **Environmental Engineering Laboratory**

Technical Manager Yugantar Bharati Analytical & **Environmental Engineering Laboratory**

Dhanbad Hazaribag Branch Office : -Jamshedpur









NABL accredited testing laboratory vide certificate Number TC-4032 Jharkhand State Pollution Control Board (JSPCB)

ISO 9001:2015 & ISO 45001:2018



Test Certificate

ULR (Unique Lab Report) No.	IN CAPE	T	C	4	0 3	2	2	2	0	0	0	0	0	R	1	1	E
Discipline Chemical	Group	P Atmospheric Pollution				Samp	Sample Description				Ambient Noise						
Report Release Date	23rd May, 202	22	4			Repo	School V.				1000000	EEL-2		5-114	227-N	JO1	-
W. Order / JSPCB App. No.	13130692			28	AND	Work		er Da	ite	w.	285.71	5.2022	200			e te i	10
Type of Industry (If any)	Sponge Iron	Unit	7143	R.P.		Job c	ode/	Ref	no.			EEL/V	80 110	Δ/Ma	v-22/2	98	-
Report Issue to	M/s Aloke S Vill - Budha						arkh	and	. 8								
			12		VII. 15 - 200 15 15	,, .											
Sampling Period	18/05/2022-	19/05/20	022	34.00				ollec	tion		By	YBA	EFI '	Team	At		
Sampling Period Sampling Protocol	18/05/2022- IS 9989:1981	HOUSE TOWN	TO STORY			of samp		ollec	tion		By	YBA	EEL	Геат	pr-	-	120
The second secon		(RA 20	20)	ding		of samp		ollec	tion		1 (3)	YBA			WI P	. 8	120

*****	Test	Results	*****

1	Control of the second s	1000					
SI	Locations	Parameters	Units	MU %	Day Time (6.00 a.m. to 10.00 p.m.)	Night Time (10.00 p.m. to 6.00 a.m.)	Limits
1.	Near Main Gate	Leq	dB (A)	3.32	63.5	46.4	- SOMENT
2.	Near Pump House	Leq	dB (A)	3.32	58.1	43.3	Day - 75
3.	West Side	Leq	dB (A)	3.32	57.3	42.8	Night - 70

******End of Report*****

 Silence zone is an area comprising not less than 100 meters around hospitals, educational institutions, courts, religious places or any other area 		Area	Unit	Day Time	Night time
which is declared as such by the competent authority.	A	Industrial Area	dB (A)	75.0	70.0
 Mixed categories of areas may be declared as one of the four above mentioned categories by the competent authority. 	В	Commercial Area	dB (A)	65.0	55.0
 dB(A) Leg denotes the time weighted average of the level of sound in 	C	Residential Area	dB (A)	55.0	45.0
decibels on scale(A) which is relatable to human hearing.	D	Silence Zone	dB (A)	50.0	40.0

Limit is specified as	Noise pollution (Regulation & Control) Rules, 2000.
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
Env. Condition of Lab	Laboratory is maintaining. Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lable Democratic
notes	This report, in foil of in part, shall not be used for advertising or as evidence in any court of law
	This report cannot be reproduced, except when in full, without the written permission of the CEO
2	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless specified otherwise
	The liability of the laboratory is limited to the invoiced amount.
Remarks	All disputes are subjected to the Ranchi Jurisdiction.
Nemarks	Samples comply with prescribed limit.

Sample Drawn By

- Angad Munda

Tested By

- Amit Kumar Sinha (Lab Analyst)

Only CONCERN for Jharkhand State Pollution Control Board

Application No. ./3/30692 Allotted Date ... 04 - 05 - 2022

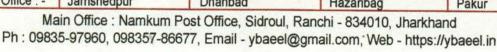
Submission Date 20 . 05 . 2022

Brillian 1022	33/5/20
Verified by	Issued by
Brij Nandan Kumar Section In-Charge	Umesh Das Technical Manager
Authorized Cizzat	Technical Manager

Authorized Signatory Atmospharic Pollution Yugantar Eliarati Analytical & Environmental Engineering Laboratory

Technical Manager Yugantar Bharati Analytical & **Environmental Engineering Laboratory**

Branch Office : -Jamshedpur Dhanbad Hazaribag









NABL accredited testing laboratory vide certificate Number TC-4032

Certified by:-

Jharkhand State Pollution Control Board (JSPCB) ISO 9001:2015 & ISO 45001:2018



Test Certificate

Accredited by:

ULR (Unique Lab Report) No.	AL SPA	T	C	4	0	3	2	2	1 2	2	0	0	0	0	0	8	4	5	F
Discipline Chemical	Group	Atm	osph	eric P	olluti	on	Sar	nple	Des	scr	iptic	n	Sta	ionar	v Sou	rce F	miss	1000	
Report Release Date	23rd May, 2022		450				Report ID			Stationary Source Emission YBAEEL-220505-114227-S1									
W. Order/ JSPCB App. No.	13130692					NA.	Wo	rk O	rder	Da	ate	N. Control	-	5.202					cat.
Type of Industry(If any)	Sponge Iron U	Init		-	PE-	VI.	-	cod		-		38	10 Page 19 19 19 19 19 19 19 19 19 19 19 19 19		WA/L	/A/Ma	v-22/	28	
Report Issue to	M/s Aloke Steels Industries Private Li Vill - Budhakhap, PO - Digwar, Ramga								kha	and				1011	EN	DAL-			
Sampling Period	18/05/2022	athir!			M	ode	of sai	mple	col	lec	tion	- 6	E	v YB	AFFL	Team	1	WHE I	140
Sampling Protocol	IS: 11255 & CF	CB G	uideli	ne (L			de of sample collection By YBAEEL Team												
Meteorological Cond. of Field	W.C Clear	STEP.	3	1-		H %		133	E 3411				T	emp	-32°C				
Sample receipt Date	19/05/2022	Ana	lysis	Starte			19/05	/202	2	T	An	alvs			ed on		1/05/2	022	253

General Information

As observed while	sampling	As reported by customer					
Location	Port Hole	Type of fuel Used	Coal				
Platform	Permanent	Quantity of Fuel Used	3.5 TPH/Each Kiln				
Stack Description (Shape & Material)	Circular/Metal	Total production Capacity	100 TPD/Each Kiln				
Sampling port	Available Available	Height of Stack from ground level	55.0 m				
Stack Identification	Stack - 01 (Kiln 1 & 2)-	Inner Diameter of Stack	1.8 m				
Height of port hole from Ground level	27.0 m	Pollution Controlling Device (if any)	ESP				
Running Oven during sampling (if any)	N/A	Total No. of Oven (if any)	N/A				

Parameters	Test Method	Units	Results
Stack gas Temperature	IS 11255 (Part 3)2008	k A	453.0
Stack gas Velocity	IS 11255 (Part 3)2008	m/s	21.0
Volumetric Flow Rate	IS 11255 (Part 3)2008	Nm³/hr	122158.9

******Test Results *****

SI. No	Parameters	Test Method	Units	MU %	Results	Limits
1.	Particulate Matter (PM)	IS 11255 (Part 1)1985:2019	mg/Nm³	2.12	86.3	100
2.	Sulphure Dioxide (SO ₂)	IS 11255 (Part 2)1985:2019	mg/Nm³	3.06	192.7	
. 3.	Oxide of Nitrogen (as NO _x)	IS 11255 (Part 7)2005 RA 2012	mg/Nm³	2.70	68.8	
4.	Carbon Monoxide (CO)	IS 13270:1992 , RA 2009	%	S SALPA	BDL (MDL 0.2)	- RICE 190

Emission Rate

1.	Particulate Matter (PM)	IS 11255 (Part 1)1985:2019	Kg/hr	10.54	
2.	Sulphure Dioxide (SO ₂)	IS 11255 (Part 2)1985:2019	Kg/hr	23.7	4
3.	Oxide of Nitrogen (as NO _x)	IS 11255 (Part 7)2005 RA 2012	Kg/hr	8.4	22

Limit is specified as	Environmental (Protection) Rule – 1986.	The state of the s
Abbreviation	MDL: Minimum detection limit, BDL: Below detection limit	
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas a	PR POR IS 106:1066 (C)
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable pa	rameter in Lab's Person and Fred to
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.	rameter in Lab's Fermanent Facility
	This report cannot be reproduced, except when in full, without the written permission of the Lab In-cha	arne
	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless s	enerified otherwise
	The liability of the laboratory is limited to the invoiced amount.	specified obterwise
-09	All disputes are subjected to the Ranchi Jurisdiction.	- STATE OF THE STA
Remarks	Sample complies with prescribed limit.	Only CONCERN for
Sample Drawn By - Ar	THE CASE OF THE PARTY OF THE PA	Jharkhand State Pollution Control Bo
	gad Munda nit Kumar Sinha (Lab Analyst)	Application No 1313069
CAN	int Numar Sinna (Lab Analyst)	Allotted Date 04.05.2
34 F	A wad row	Submission Date 2.3 · 0.5 ·

Branch Office : - Jamshedpur

Jharkhand State Pollution Control Board Application No. . 13130692 Allotted Date ... 04.05.2022 Submission Date 23.05.2022

Verified by Issued by Brij Nandan Kumar Umesh Das Section In-Charge Technical Manager

Authorized Signatory Atmospharic Pollution Yugantar Bharati Analytical & **Environmental Engineering Laboratory**

Technical Manager Yugantar Bharati Analytical & **Environmental Engineering Laboratory**



Dhanbad Hazaribag





Accredited by: -NABL accredited testing laboratory vide certificate Number TC-4032 Jharkhand State Pollution Control Board (JSPCB)

ISO 9001:2015 & ISO 45001:2018



Test Certificate

ULR (Unique Lab Report) No.	NICAN I	T	C	4	0	3	2	2	2		0	0	0	0	0	8	5	5	F
Discipline Chemical	Group	Atm	nosph	eric P	olluti	on	Sar	nple	Des	crip	tion		Stati	onan	Sou	rce E	missi	on	
Report Release Date	24th May, 202	2	3764					ort I		•							4227-5		
W. Order/ JSPCB App. No.	13130692	120				(Blu	Wo	rk Or	der	Dat	е		04.0	5.202	2			5	c 13.
Type of Industry(If any)	Sponge Iron	Unit		-	100		Job	cod	e/R	ef. ı	10.	20	YBA	EELA	NA/L	A/Ma	y-22/2	28	
Report Issue to	M/s Aloke S Vill - Budhal						Designation of the Party of the	350 - 34	kha	nd.			, with	2014	SEN T	M			
Sampling Period	19/05/2022				M	ode	of sample collection					8	By YBAEEL Team						
Sampling Protocol	IS: 11255 & C	PCB G	uideli	ne (L															
Meteorological Cond. of Field	W.C Partly					H % -		SX		K III U			Te	mp	28°C	Ele			
Sample receipt Date	19/05/2022		lysis	Starte	ed on	15	19/05	/2022	2		Ana	lvsi	s con				1/05/2	022	415

General Information

As observed while	sampling	As reported by customer					
Location	Port Hole	Type of fuel Used	Coal				
Platform	Permanent	Quantity of Fuel Used	3.5 TPH/Each Kiln				
Stack Description (Shape & Material)	Circular/Metal	Total production Capacity	100 TPD/Each Kiln				
Sampling port	Available	Height of Stack from ground level	55.0 m				
Stack Identification	Stack - 02 (Kiln 3 & 4)	Inner Diameter of Stack	1.8 m				
Height of port hole from Ground level	27.0 m	Pollution Controlling Device (if any)	ESP				
Running Oven during sampling (if any)	N/A	Total No. of Oven (if any)	N/A				
A			The second second				

Parameters	Test Method	Units	Results
Stack gas Temperature	IS 11255 (Part 3)2008	k - N	458.0
Stack gas Velocity	IS 11255 (Part 3)2008	m/s	21.5
Volumetric Flow Rate	IS 11255 (Part 3)2008	Nm³/hr	123529.5

******Test Results *****

SI. No	Parameters	Test Method	Units	MU %	Results	Limits
1.	Particulate Matter (PM)	IS 11255 (Part 1)1985:2019	mg/Nm³	2.12	89.2	1001
2.	Sulphure Dioxide (SO ₂)	IS 11255 (Part 2)1985:2019	mg/Nm³	3.06	200.4	
3.	Oxide of Nitrogen (as NO _x)	IS 11255 (Part 7)2005 RA 2012	mg/Nm³	2.70	77.9	
4.	Carbon Monoxide (CO)	IS 13270:1992 , RA 2009	%	180	BDL (MDL 0.2)	187

Emission Rate

1.	Particulate Matter (PM)	IS 11255 (Part 1)1985:2019	Kg/hr	11.02	
2.	Sulphure Dioxide (SO ₂)	IS 11255 (Part 2)1985:2019	Kg/hr	24.76	9.
3.	Oxide of Nitrogen (as NO _x)	IS 11255 (Part 7)2005 RA 2012	Kg/hr	9.63	

Limit is specified as	Environmental (Protection) Rule – 1986.				
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,				
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).				
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility				
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	This report cannot be reproduced, except when in full, without the written permission of the Lab In-charge.				
1 8	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless specified otherwise				
	The liability of the laboratory is limited to the invoiced amount.				
TRON	All disputes are subjected to the Ranchi Jurisdiction.				
Remarks	Sample complies with prescribed limit				

Sample Drawn By

- Angad Munda

Tested By

- Amit Kumar Sinha (Lab Analyst)

Only CONCERN for Jharkhand State Pollution Control Board Application No. 13130692

Allotted Date ... 04 - 05 - 2022 Submission Date 24-05-2022

Verified by issued by Brij Nandan Kumar Umesh Das Section In-Charge Technical Manager

> Authorized Signatory Atmospharic Pollution Yugantar D. ti Analytical & **Environmental Engineering Laboratory**

Technical Manager Yugantar Bharati Analytical & **Environmental Engineering Laboratory**

Dhanbad Hazaribag Branch Office : - Jamshedpur





Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 09835-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in Atoke Steels Industries Private Limited

REGD OFFICE: OPP. ASHOK CINEMA,

RANCHI ROAD, MARAR - 829 117 DIST.- RAMGARH (JHARKHAND):

CIN Email : U27103JH2004PTC010725 : asipl.ramgarh@gmail.com WORKS:

Vill: Budhakhap

Post: Karma -829137

Dist.-Ramgarh, (Jharkhand)

Ref. No.....

ASIPL/670/2019-20

Date.

Date:-20/12/2019

То

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.

Authorized Signatory

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

Encl.:- 1) PM 10 analyser photograph.

succls Industrics Private

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Vertice 1117 20 19-20

Marchenier Schrödig.

Senter of the Pollution Control Board

1 of the sententialing (Ground Floor),

11 by the Structure, Namedii - 834004

Ultrademore

State Pollution Control Board Uith server of Control State Station Control Board Uith server of Control Station (CAAOMS) for PM 10 parameter.

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

mid hos once of

EUROSALISM INC. 8974806418933

EP RAPLANI CANT H.O (829122).

Counter 10:2,23/12/2019,11:24

To:REDICPAL CEFL, REDICHAL OFFICE

PIN:825301, Hazarahagh H.O

From:ALENE SIEFL, PARAR

Wt:20gms

Ant:41.30(Cash)Taxs6.30

Cirack on unus indiapost.gov.in)

Onal 1833 266 68480

Years ambludy.
For alone fivels industries Pvt. Ltd.

with an area property

thread to be vising the firm

Aloke Steels Industries Pvt Ltd

PM 10 Analyser



Aloke Steels Industries Pvt. Ltd.

<u>Village- Bhudhakhap, Post – Karma, Distt – Ramgarh, Jharkhand - 829137</u>

Stack emission Report (PM All values in mg/Nm3)

Sl. No.	Month	Stack 1	Stack 2
		PM	PM
1	April-22	85	89
2	May-22	87	88
3	June-22	90	91
4	July-22	91	87
5	August – 22	90	88
6	September -22	92	87

Ambient Air Quality Monitoring

Location	Parameters	Unit	April-22	May-22	June-22	July-22	Aug-22	Sep-22
Nr. Main Gate	PM 10		89	93	91	93	88	88
	PM 2.5		50	55	52	53	55	54
Nr. OHC	PM 10		94	78	88	89	92	91
	PM 2.5	μg/m3	56	53	54	53	54	51
Nr. North-west	PM 10		90	88	92	89	91	91
boundary wall	PM 2.5		57	54	55	55	52	57

Online Ambient Air Quality Monitoring Data (PM10)

Location	Unit	April-22	May-22	June-22	July-22	Aug-22	Sep-22
Nr.	μg/m3	72	68	71	69	75	74
Temple							



ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -Certified by:-

NABL accredited testing laboratory vide certificate Number TC-4032 Jharkhand State Pollution Control Board (JSPCB) ISO 9001:2015 & ISO 45001:2018



Test Certificate

URL(Unique Lab Report) No.		T	C	4	0	3	2	2	1		1	0	0	0	0	0	6	1	F
Discipline Chemical	ne Chemical Group Water				Sampl	e Des	cri	otio	n	45.00	98 D	Grou	nd W	ater	10-40-11-00	3 my 3	(6)		
Report Release Date	11th December	r 202	1		4.74		Repor	t ID	rount					YBAE	EL-2	1120	4-173	716-G	W01
W. Order/ JSPCB App. No.	ASIPL/66/2021	1-22		100			Work	Order	Da	te			3755	02.12	.2021	Service.		a de la composição de l	usseasad
Type of Industry(If any)	Sponge Iron U	Jnit	TAKA		Lunio d	14	Job co	ode/ R	lef.	no.	CONTROL IN	n 11	gi (T	YBA	ELN	ALI	C/Dec	-21/0	4
Report Issue to Sample Received Date	M/s Aloke St Ranchi Road Jharkhand. 04/12/2021		STUDIES TRANSPORTE			st				e co	olle	ction		By C	uston	1er :	A Part		
Sampling Protocol	N/A		CAL DEST		Mary -		Samp	le Co	de					2112)4-GV	V-X02	2		
Sampling Location	Bore well			40	, LAS	No.	Samp	ling S	our	ce				Grou	nd W	ater	183	434	48*
Sample pkg. Condition	Sealed Pack i	n PP	Bottle				Samp	le Qua	anti	ty				3000	ml				
Meteorological Cond. of Field	W.C N/A	AL V	1.7°		2-5		RH %	- N/A						Temp	N/	A		- III	- of
Sample receipt Date	04/12/2021	Δn	alysis	Start	ad a	1,5	04/12/	2024	01/57/10		Δ	nalv	eie c	omol	eted	200	11/1	2/202	1

	C A CONTRACTOR			
**	****	Tort	Danielte	*****

SI	Parameter	Test Method	Units	MU %	Results	. Limits
1.	pH value	IS 3025 (P-11):2002	рН	1,77 (2)	8.25	6.5-8.5
2.	Colour	IS 3025 (P-04):1983	Hazen	_ 3	5 3	5-15
3.	Conductivity	IS 3025 (P-14):2013	µs/cm	1.90	520.0	
4.	Turbidity	IS 3025 (P-10):2002	NTU	3,63	1.0	1-5
5.	Total Alkalinity (as CaCO ₃)	IS 3025 (P-23):2003	mg/l	3.68	138.0	200-600
6.	Total Hardness (as CaCO ₃)	IS 3025 (P-21):2009 .	mg/l	1,35	182.0	200-600
7.	Total dissolved solids	IS 3025 (P-16):2006	mg/l	2.85	282.0	500-2000
8.	Chlorine Residual	IS 3025 (P-26):2003	mg/l	30.64	BDL (MDL 0.07)	0.2-1
9.	Chloride (as CI)	IS 3025 (P-32):2003	mg/l	3.41	2.49	250-1000
10.	Fluoride (as F-)	APHA 4500 F-C 23rd edition 2017	mg/l	12.22	1.4	1.0-1.5
11.	Nitrate (as NO ₃ -)	APHA 4500 NO ₃ - (B) 23rdedition 2017	mg/l	11.33	2.72	.45-No relaxation
12.	Calcium (as Ca ²⁺)	IS 3025 (P-40): 2003	mg/l	4.19	38.4	75-200
13.	Magnesium (asMg ²⁺)	APHA 3500 Mg B : 2017	mg/l	1.90	20.89	30-100
14.	Sulphate (as SO ₄ ² -)	IS 3025 (P-24):2003	mg/l	5.42	6.80	200-400

******End of Report*****

Limit is specified as #	IS 10500: 2012
Abbreviation	MDL: Minimum detection limit, BDL: Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
	This report cannot be reproduced, except when in full, without the written permission of the CEO.
	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
10 th 10 th	The liability of the laboratory is limited to the invoiced amount.
	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample doesn't comply with the acceptable limit of IS 10500:2012, but in the absence of alternative source sample comply with the permissible limit of IS 10500:2012

Tested by ShivaniKumari Singh / Akash

Lab Analyst

Verified by Brij Nandan Kumar

Authorized Signatory Chemical Section

Issued by Umesh Das Section In-Charge Yugantar Bharati Analytical technical Manager

11[12/2]

Branch Office : -

Jamshedpur

Dhanbad

Environnitazahibagineering Laboratory



Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 09835-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in



ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -Certified by: -

NABL accredited testing laboratory vide certificate Number TC-4032 Jharkhand State Poliution Control Board (JSPCB)

ISO 9001:2015 & ISO 45001:2018



Test Certificate

URL (Unique Lab Report) No.	T C 4 0	3 2 2 1 5 0	0 0 0 0 3 3 F
Discipline Chemical	Group Water	Sample Description	Residue in Water
Report Release Date	11th December 2021	Report ID	YBAEEL-211204-173716-GW01
W. Order/ JSPCB App. No.	ASIPL/66/2021-22	Work Order Date	02.12.2021
Type of Industry(If any)	Sponge Iron Unit	Job code/ Ref. no.	YBAEEL/WA/L/R/Dec-21/03
Report Issue to	M/s Aloke Steels Industries Pvt. Ranchi Road, Marar - 829117, Dis	The Control of the Co	
	Jharkhand.		
Sample Received Date	and the state of t	Mode of sample collection	By Customer
Sample Received Date Sampling Protocol	Jharkhand.		By Customer 211204-GW-X02
	Jharkhand. 04/12/2021	Mode of sample collection	
Sampling Protocol	Jharkhand. 04/12/2021 N/A	Mode of sample collection Sample Code	211204-GW-X02
Sampling Protocol Sampling Location	Jharkhand. 04/12/2021 N/A Bore well	Mode of sample collection Sample Code Sampling Source	211204-GW-X02 Ground Water

******Test Results ******

SI	Parameter	Test Method	Units	MU %	Results	Limits
1.	Arsenic (as As)	APHA 3114 B 23rd edition 2017	mg/l	10.34	BDL (MDL 0.003)	0.01
2.	Copper (as Cu)	APHA 3111 B 23吋 edition 2017	mg/l	11.11	BDL (MDL 0.01)	0.05
3.	Iron (as Fe)	APHA 3111 B 23rd edition 2017	mg/l	2.34	0.19	0.3
4.	Lead (as Pb)	APHA 3111 B 23 rd edition 2017	mg/l	10.64	BDL (MDL 0.02)	0.01
5.	Zinc (as Zn)	APHA 3111 B 23rd edition 2017	mg/l	15.35	0.03	5.0
6.	Cadmium (as Cd)	APHA 3111 B 23rd edition 2017	mg/l	5.0	BDL (MDL 0.02)	0.003
7.	Mercury (as Hg)	APHA 3112 B 23rd edition 2017	mg/l	8.47	BDL (MDL 0.003)	0.001
8.	Chromium (as Cr)	APHA 3111 B 23 rd edition 2017	mg/i	. 12.53	BDL (MDL 0.02)	0.05
9.	Nickel (as Ni)	APHA 3111 B 23 rd edition 2017	mg/l	13.72	BDL (MDL 0.02)	0.02

******End of Report*****

Limit is specified as	IS 10500: 2012				
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,				
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).				
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility				
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.				
L + n \	This report cannot be reproduced, except when in full, without the written permission of the CEO.				
	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise				
wa(W	The liability of the laboratory is limited to the invoiced amount.				
EAST TAX	All disputes are subjected to the Ranchi Jurisdiction.				
Remarks 🌼	Sample Comply with prescribed limits				

Ph: 09835-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in

Authorized Signatory Verified by Issued by Tested by Brij Nandan Kumar Chemical Section Shivani Kumari Singh Umesh Das Yugantar Bhafati Analytical Manager Section In-Charge Lab Analyst

Branch Office : -Jamshedpur Dhanbad

Environthazaribagineering Laborpakur Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand

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ISO 9001:2015 ISO 45001:2018



ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -Certified by:-

150 45001:2018

MANAGERAL & LANGTERNACHES ST

Jharkhand State Pollution Control Board (JSPCB)

An ISO 9001:2015 & ISO 45001:2018



ISO 9001:2015

Test Certificate

Discipline Chemical	Group Water	Sample Description	Ground Water
Report Release Date	11th December 2021	Report ID	YBAEEL-211204-173716-GW01
W. Order/ JSPCB App. No.	ASIPL/66/2021-22	Work Order Date	02.12.2021
Type of Industry(If any)	Sponge Iron Unit	Job code/ Ref. no.	YBAEEL/WA/L/C/Dec-21/04 YBAEEL/WA/L/R/Dec-21/03
Report Issue to	M/s Aloke Steels Industries Pv Ranchi Road, Marar - 829117, I Jharkhand.		
Sample Received Date	04/12/2021	Mode of sample collection	By Customer
Sampling Protocol	N/A	Sample Code	211204-GW-X02
Sampling Location	Bore well	Sampling Source	Ground Water
Sample pkg. Condition	Sealed Pack in PP Bottle	Sample Quantity	3000 ml
Meteorological Cond. of Field	W.C N/A	RH % - N/A	Temp N/A
Sample receipt Date	04/12/2021 Analysis Started	on 04/12/2021 Analysi	is completed on 11/12/2021
			Application and the state of th

SI	Parameter	Test Method	Units	MU %	Results	Limits
1.	Odour	IS 3025 (P-05):2002	-	74. XX	Agree.	Agreeable
2.	Taste	IS 3025 (P-07):2002		-	Agree.	Agreeable
3.	Aluminium (as Al)	IS 3025 (P-55):2003	mg/l	-	BDL (MDL 0.002)	0.03-0.2
4.	Cyanide(as CN-)	IS 3025 (P-27)	mg/l		BDL (MDL-1)	0.05- No relaxation
5.	Phosphate (asPO ₄ 3-)	IS 3025 (P-31):2003	mg/l	_	0.028	

******End of Report*****

Limit is specified as	IS 10500: 2012
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
Env. Condition of Lal	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
	This report cannot be reproduced, except when in full, without the written permission of the CEO.
	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
A Linkway	The liability of the laboratory is limited to the invoiced amount.
THE NAME OF THE OWNER, THE PARTY OF	All disputes are subjected to the Ranchi Jurisdiction:
Remarks	Sample Comply with prescribed limits
The second secon	

1118 2 Verified by Issued by Tested by Authorized Signatory Shivani Kumari Singh Brij Nandan Kuma Umesh Das Chemical Section Yugantar Bharati Analytical Technical Manager Section In-Charge Lab Analyst EnvironmHazaribagineering LaborFlakur Branch Office : -Jamshedpur Dhanbad

> Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 098351-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in



State Pollution

Control Board

YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -Certified by: -

NABL accredited testing laboratory vide certificate Number TC-4032 Jharkhand State Pollution Control Board (JSPCB)

ISO 9001:2015 & ISO 45001:2018



TC-4032

Test Certificate

URL(Unique Lab Report) No.		T	C	4	0	3	2	2	1	4	0	0	0	0	0	7	1	F
Discipline Biological	Group	187	Wat	er		- T	San	ple D	escri	ptior	1	Grou	nd W	ater			on title	
Report Release Date	11th December	2021		Report ID YBAEEL-211204-1					173716-GW01									
W. Order/ JSPCB App. No.	ASIPL/66/2021-22 Work Order Date 02.12.2021								3,8									
Type of Industry (if any)	Sponge Iron Unit Job code/ Ref. no. YBAEEL/WA/L/M/Dec-2						-21/04		1214									
Report Issue to	M/s Aloke Sto Ranchi Road Jharkhand.		10000				Ramg	arh,										
Sample Received Date	04/12/2021		94 (Steel	- gri	3/1-/	Mode	e of sa	ample	colle	ectio	n	Ву С	uston	ner	5 (4)	95.7		
Sampling Protocol	N/A.		13 100			Sam	ple Co	de				2112	04-GV	V-X02	91		N/85 N.C	a nak
Sampling Location	Bore well				-14.5K	Sam	oling :	Sourc	e	500		Grou	nd W	ater		seat V	£354	20,5
Sample pkg. Condition	Sealed Pack in	PP E	Bottle	Page -	887	Sam	ole Qu	antity		7/2 m	600 B	250 n	nl	Sale Sun	10.74	7.12		
Meteorological Cond. of Field	W.C N/A		2029	LEG	R	H %	- N/A	35,50		- 1		Te	mp	N/A				
Sample receipt Date	04/12/2021	A	nalysi	s Sta	rted c	n	06/12	/2021		I	naly	sis c	omple	eted on	1	08/12/	2021	i i jar

******Test Results *****

SI	Parameter	Test Method	•	Units	Results	· Limits
1.9	Total coliform	APHA 9221B	23rd Edition 2017	MPN/100 ml	BDL (MDL 1.1)	Shall not to be
2.	Fecal coliform (5)	APHA 9221E	23rd Edition 2017	MPN/100 ml	BDL (MDL 1.1)	Detectable in any 100 ml sample

Limit is specified as	IS 10500: 2012
Abbreviation	MDL: Minimum detection limit, BDL; Below detection limit, <1.8 / < 1.1 MPN/100 ml denotes that the presence probability of bacteria is absent in the tested sample.
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility.
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
of comment and	This report cannot be reproduced, except when in full, without the written permission of the CEO.
	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless specified otherwise
110 3r	The liability of the laboratory is limited to the invoiced amount.
THE PARTY OF THE P	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample Comply with prescribed limits

ACTION OF THE PARTY OF THE PART Ventred Signatory

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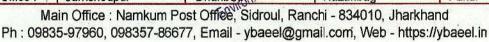
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Sedion in Gharige normesimily about

St Office, Sirt
, Em-Moolhuri Sinha 0 Tested by issued by Madhuri Sinha Umesh Das Lab Analyst Technical Manager Pakur Branch Office : -. Jamshedpur

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ISO 45001:2018

YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -Jharkhand State Pollution Control Board (JSPCB) Certified by:-

An ISO 9001:2015 & ISO 45001:2018



ISO 9001:2015

Test Certificate

and the second of the second o	1 100		
Meteorological Cond. of Field	W.C Clear	RH % - 63	Temp27°C
Sampling Date	06/12/2021	Mode of sample collection	By YBAEEL Team
Report Issue to	M/s Aloke Steels Industries Ranchi Road, Marar - 82911 Jharkhand.	A THE RESERVE OF THE PARTY OF T	
Type of Industry(If any)	Sponge Iron Unit	Job code/ Ref. no.	YBAEEL/WA/L/C/Dec-21/04 YBAEEL/WA/L/R/Dec-21/03
W. Order/ JSPCB App. No.	ASIPL/66/2021-22	Work Order Date	02.12.2021
Report Release Date	11th December 2021	Report ID	YBAEEL-211204-173716-GW01

*Test Results *****

	vel
1. Near Occupational Health Center 30 5.5 0.91	4.59

Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
	This report cannot be reproduced, except when in full, without the written permission of the CEO.
	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
	The liability of the laboratory is limited to the invoiced amount.
Water State of the Australia	All disputes are subjected to the Ranchi Jurisdiction.

A MANAGEMENT OF THE STATE OF TH Arincal & Environme Issued by Verified by 8 Umesh Das Brij Nandan Kumar Technical Manager Section In-Charge Branch Office : - Jamshedpur Ditanbad Jove Hazaribag Pakur

Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 098351-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in



Accredited by: NABL accredited testing laboratory vide certificate Number TC-4032

Jharkhand State Pollution Control Board (JSPCB) ISO 9001:2015 & ISO 45001:2018



Test Certificate

Certified by:-

ULR (Unique	Lab Report) No.		T	C	4	0	3	2	2	2	0	0	0	0	0	7	1	6	F
Discipline	Chemical	Group	•	Water			1	Sampl	le Des	criptio	on		G	roun	d Wa	ter			1
Report Rele	ease Date	03rd May, 2022					F	Repor	t ID				Y	BAEE	L-220	423-1	82031 -	GW)1
W. Order/ J	SPCB App. No.	ASIPL/008/202	2-23				١	Nork	Order	Date			2	2.04.2	022				
Type of Indi	ustry(If any)	Sponge Iron U	nit		4		1	Job co	ode/ F	ef. no			Y	BAEE	L/WA	ILICIA	pr-22/0	09	
Report Issu Sample Rec		M/s Aloke S Budhakhap Dist Ramo 28/04/2022	Post	- Kar	ma - l	82913	37,	1000000	200	st.					•		No.	4	b
							1	Mode	of sai	nple c	ollec	tion	В	y Cu	stome	er			
Sampling P	rotocol	N/A					5	Sampl	e Coo	le		9	2	20402	28-GV	V-B0	1		
Sampling Lo	ocation	Borewell					5	Sampl	ing S	ource			G	roun	d Wa	ter			
Sample pkg	. Condition	Sealed Pack	in PP	Bottle			5	Sampl	e Qua	entity			3	000 n	nl				
Meteorologi	ical Cond. of Field	W.C N/A					F	RH %	- N/A				Т	emp.	- N/A	1			
	Terrandina (Carlo	Washington Committee		50 Share	Starte				-		_	_	_	-				_	

******Test Results *****

SI	Parameter	Test Method	Units	MU %	Results	Limits
1.	pH value	IS 3025 (P-11):2002	рН	1.77	7.41	6.5-8.5
2.	Colour	IS 3025 (P-04):1983	Hazen		5	5-15
3.	Conductivity	IS 3025 (P-14):2013	µs/cm	1.90	432.0	1 1 N
4.	Turbidity	IS 3025 (P-10):2002	NTU	3.63	1.0	1-5
5.	Total Alkalinity (as CaCO ₃)	IS 3025 (P-23):2003	mg/l	3.68	196.0	200-600
6.	Total Hardness (as CaCO ₃)	IS 3025 (P-21):2009	mg/l	- 1.35	180.0	200-600
7.	Total dissolved solids	IS 3025 (P-16):2006	mg/l	2.85	222.0	500-2000
8.	Chlorine Residual	IS 3025 (P-26):2003	mg/l	30.64	BDL (MDL 0.07)	0.2-1
9.	Chloride (as CI-")	IS 3025 (P-32):2003	mg/l	3.41	6.5	250-1000
10.	Fluoride (as F-)	APHA 4500 F-C 23rd edition 2017	mg/l	12.22	1.3	1.0-1.5
11.	Nitrate (as NO ₃ -)	APHA 4500 NO ₃ - (B) 23 rd edition 2017	mg/l	11 33	BDL (MDL 0.01)	45-No relaxation
12.	Calcium (as Ca ²⁺)	IS 3025 (P-40): 2003	mg/l	4.19	55.2	75-200
13.	Magnesium (as Mg ²⁺)	APHA 3500 Mg B : 2017	mg/l	1.90	10.2	30-100
14.	Sulphate (as SO ₄ ²⁻)	IS 3025 (P-24):2003	mg/l	5 42	15.0	200-400

Limit is specified as MDL : Minimum detection limit, BDL : Below detection limit, Abbreviation Env. Condition of Lab Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C) Specific contractual All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility This report, in full or in part, shall not be used for advertising or as evidence in any court of law notes This report cannot be reproduced, except when in full, without the written permission of the CEO The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise The liability of the laboratory is limited to the invoiced amount All disputes are subjected to the Ranchi Jurisdict Remarks Sample complies with prescribed limits

Tested By

- Shivani Kumari Singh (Lab Analyst)

Delus not	3/3/8/02
Venfied by	Issued by
Brij Nandan Kumar	Umesh Das
Section In-Charge	Technical Manager

Authorized Signatory Chemical Section Yugantar Bharati Analytical & **Environmental Engineering Laboratory**

Technical Manager Yugantar Bharati Analytical & Environmental Engineering Laboratory

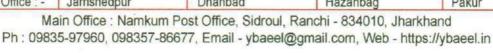


Branch Office : - Jamshedpur

Dhanbad

Hazaribag

Pakur







TICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -

Jharkhand State Pollution Control Board (JSPCB)

Certified by:-An ISO 9001:2015 & ISO 45001:2018

Test Certificate

Discipline C	hemical	Group	Water	Sample Descripti	on	Ground Water	2
Report Release	Date	03rd May, 2022	1000	Report ID		YBAEEL-220423	3-182031 -GW01
W. Order/ JSPC	B App. No.	ASIPL/008/202	2-23	Work Order Date		22.04.2022	
Type of Industr	y(If any)	Sponge Iron U	nit	Job code/ Ref. no).	YBAEEL/WA/L/	C/Apr-22/09
Report Issue to		Budhakhap,	teels Industries Privat Post - Karma - 82913 arh, Jharkhand.			M. Town	
Sample Receive	ed Date	28/04/2022		Mode of sample of	collection	By Customer	
Sampling Proto	col	N/A		Sample Code		2204028-GW-E	301
Sampling Locat	tion	Borewell	12/1/1/1	Sampling Source	LA E	Ground Water	TEV T
Sample pkg. Co	ondition	Sealed Pack i	n PP Bottle	Sample Quantity		3000 ml	
Meteorological	Cond. of Field	W.C N/A		RH % - N/A		Temp N/A	
Sample receipt	Date	28/04/2022	Analysis Started on	28/04/2022	Analysis	completed on	03/05/2022

SI	Parameter	Test Method	Units	MU %	Results	Limits
1.	Odour	IS 3025 (P-05):2002	-		Agree.	Agreeable
2.	Taste	IS 3025 (P-07):2002	9 T		Agree.	Agreeable
3.	Cyanide(as CN-)	IS 3025 (P-27)	mg/l	-	BDL (MDL 1.0)	0.05-No relaxation
4.	Phosphate (as PO ₄ 3-)	IS 3025 (P-31):2003	mg/l	-	BDL (MDL 0.003)	-

******End of Report*****

Limit is specified as	IS 10500: 2021
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
	This report cannot be reproduced, except when in full, without the written permission of the CEO.
	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
	The liability of the laboratory is limited to the invoiced amount.
2145	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample complies with prescribed limits.

Tested By

Shivani Kumari Singh (Lab Analyst)

B1250	7-318/22
Verified by	Issued by
Brij Nandan Kumar	Umesh Das
Section In-Charge	Technical Manager

Authorized Signatory Chemical Section Yugantar Bharati Analytical & Environmental Engineering Laboratory

Technical Manager Yugantar Bharati Analytical & Environmental Engineering Laboratory

Jamshedpur Dhanbad Branch Office : -Hazaribag

150 45001:2018

Pakur Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 098351-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in





ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: Certified by:

NABL accredited testing laboratory vide certificate Number TC-4032 Jharkhand State Pollution Control Board (JSPCB) ISO 9001:2015 & ISO 45001:2018



Test Certificate

ULR (Unique	Lab Report) No.	W. W.	T	С	4	0	3	2	2	2	T	0 [0	0	To	0	7	1	3	TE	
Discipline	Chemical	Group	-	Water			1	Samp	le De	scri	otio	n	-	T	Residue & Contaminants in Wat						
Report Relea	ase Date	03rd May, 2022					-	Repor	-		0.0.0	17.			YBAEEL-220423-182031 -GW01						
W. Order/ JS	PCB App. No.	ASIPL/008/202	2-23					Vork	-	r Dat	e				22.04.2022						
Type of Indu	stry(If any)	Sponge Iron U	Init					ob co	ode/ F	Ref.	no.			1	YBAEEL/WA/L/R/Apr-22/04						
Sample Reco	eived Date	M/s Aloke S Budhakhap Dist Ramg 28/04/2022	Post	- Karı	ma -	82913	17,			<u>el</u>							w. 7)	j.	H.	į da	
Sampling Pr		N/A						lode	1 (F. 10)	-	co	llec	tion	-	-	stom	_				
Sampling Lo		Borewell		-				ampl	-		COV.		- 8		Carrie Co	28-GV					
	- Control of the Cont	LONG TO THE CONTROL OF					_	ampl	_		_			0	roun	d Wa	ter				
Sample pkg.		Sealed Pack	in PP	Bottle			S	ampl	e Qu	antit	y			3	000 r	nl					
	cal Cond. of Field	W.C N/A	40				F	H %	N/A					T	emp.	- N/A	1				
Sample rece	ipt Date	28/04/2022	Δn	alysis	Starte	no be	12	8/04/2	2022		T	A	abrai		1-	ted o		03/05/2	2022		

******Test Results *****

SI	Parameter	Test Method	Units	MU %	Results	Limits
1.	Arsenic (as As)	APHA 3114 B 23rd edition 2017	mg/l	10.34	BDL (MDL 0.003)	0.01-No relaxation
2.	Copper (as Cu)	APHA 3111 B 23rd edition 2017	mg/l	11.11	BDL (MDL 0.01)	0.05-1.5
3.	Iron (as Fe)	APHA 3111 B 23rd edition 2017	mg/l	2.34	0.16	1.0-No relaxation
4.	Lead (as Pb)	APHA 3111 B 23rd edition 2017	mg/l	10.64	BDL (MDL 0.02)	0.01-No relaxation
5.	Zinc (as Zn)	APHA 3111 B 23rd edition 2017	mg/l	15.35	BDL (MDL 0.1)	5-15
6.	Cadmium (as Cd)	APHA 3111 B 23rd edition 2017	mg/l	5.0	BDL (MDL 0.02)	0.003-No relaxation
7.	Mercury (as Hg)	APHA 3112 B 23rd edition 2017	mg/l	8.47	BDL (MDL 0.003)	0.001-No relaxation
8.	Chromium (as Cr)	APHA 3111 B 23rd edition 2017	mg/l	12.53	BDL (MDL 0.02)	0.05-No relaxation
9.	Nickel (as Ni)	APHA 3111 B 23rd edition 2017	mg/l	13.72	BDL (MDL 0.02)	0.02-No relaxation

	Life of Report
Limit is specified as	IS 10500: 2021
Abbreviation	MDL: Minimum detection limit, BDL: Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196.1966 (C).
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Remanant Essibility
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law
	This report cannot be reproduced, except when in full, without the written permission of the CEO
	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
	The liability of the laboratory is limited to the invoiced amount.
	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample complies with prescribed limits.

Shivani Kumari Singh (Lab Analyst)

Verified by issued by Brij Nandan Kumar Section In-Charge Technical Manager

> Authorized Signatory Chemical Section Yugantar Bharati Analytical & **Environmental Engineering Laboratory**

Technical Manager Yugantar Bharati Analytical & Environmental Engineering Laboratory

Branch Office : -

Jamshedpur

Dhanbad

Hazaribag

Pakur



Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 09835-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in





Accredited by: -

Jharkhand State Pollution Control Board (JSPCB)

An ISO 9001:2015 & ISO 45001:2018

Test Certificate

Discipline	Chemical	Group	Water	Sample Descript	ion	Residue & Cont	taminants in Water
Report Rele	ase Date	03rd May, 2022	all file	Report ID		Table 15 Control of the Control of t	3-182031 -GW01
W. Order/ J:	SPCB App. No.	ASIPL/008/202	2-23	Work Order Date	1	22.04.2022	
Type of Indi	ustry(if any)	Sponge Iron U	nit	Job code/ Ref. no	0.	YBAEEL/WA/L/	R/Apr-22/04
Report Issu	0	Budhakhap Dist Ramo	teels Industries Privat , Post - Karma - 82913 garh, Jharkhand.	7,	1.10		and the
Sample Rec	eived Date	28/04/2022		Mode of sample	collection	By Customer	
Sampling Pr	rotocol	N/A		Sample Code		2204028-GW-E	301
Sampling Lo	ocation	Borewell	9/1/90	Sampling Source		Ground Water	La La Carte
Sample pkg	. Condition	Sealed Pack	in PP Bottle	Sample Quantity		3000 ml	
Meteorologi	cal Cond. of Field	W.C N/A	/04	RH % - N/A	-	Temp N/A	
Sample rece	eipt Date	28/04/2022	Analysis Started on	28/04/2022	Analysis	completed on	03/05/2022

******Test Results *****

SI Parameter	Test Method	Units	MU %	Results	Limits
. Aluminium (as AI)	IS 3025 (P-55):2003	mg/l		BDL (MDL 0.02)	0.03-0.2

Limit is specified as	IS 10500: 2021				
Abbreviation	MDL: Minimum detection limit. BDL: Below detection limit.				
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C).				
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Facility				
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law				
	This report cannot be reproduced, except when in full, without the written permission of the CEO.				
	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise				
	The liability of the laboratory is limited to the invoiced amount.				
	All disputes are subjected to the Ranchi Jurisdiction.				
Remarks	Sample complies with prescribed limits.				

Tested By

- Shivani Kumari Singh (Lab Analyst)

Verified by
Brij Nandan Kumar
Umesh Das
Section In-Charge
Technical Manager

Authorized Signatory
Chemical Section
Yugantar Bharati Analytical &
Environmental Engineering Laboratory

Technical Manager
Yugantar Bharati Analytical &
Environmental Engineering Laboratory

Branch Office : - Jamshedpur Dhanbad Hazaribag Pakur





Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 098351-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in



NABL accredited testing laboratory vide certificate Number TC-4032 Jharkhand State Pollution Control Board (JSPCB) ISO 9001:2015 & ISO 45001:2018



Test Certificate

Accredited by:

Certified by:

ULR (Unique	Lab Report) No.	THE ROLL OF THE PARTY OF THE PA	T	C	4	0	3	2	2	2	0	0	0	0	n	7	1	10	TE
Discipline	Biological	Group Water					Sample Description Ground Water] 0	1						
Report Rele	ase Date	03rd May, 2022		-	24		100	Rep				-			0423-1	8203	1-GV	V01	
W. Order/ J	SPCB App. No.	ASIPL/008/2022-23				ONE III					-	22.04.						-	
Type of Indi	ustry(If any)	Sponge Iron Unit								YBAEEL/WA/L/M/Apr-22/04									
Sample Rec	eived Date	M/s Aloke Si Budhakhap, Dist Ramg 28/04/2022	Post	- Karı	ma -	82913	37,	11,3-6-7,3-6		e cell		15	D C.			H	S.	156	
Sampling P	THE STATE OF THE S	N/A			-			de of sample collection mple Code				-	By Customer						
	A STATE OF THE STA	Bore well			7		-	mpling Source					2204028-GW-B01 Ground Water						
Sampling Lo		THE PARTY WAY			Sample Quantity				_	250ml				_					
Sampling Lo Sample pkg	. Condition	Sealed Pack i	n PP I	Bottle			Samo	ole Qu	anti	tv		100	250m						
Sample pkg	. Condition cal Cond. of Field	Sealed Pack i	n PP [Bottle				N/A	anti	ty				mp	N/A	_			-

******Test Results ******

SI	Parameter	Test Method	Units	Results	Limits
1.	Total coliform	APHA 9221B 23rd Edition 2017	MPN/100 ml	BDL (MDL 1.1)	Shall not to be
2.	Fecal coliform	APHA 9221E 23rd Edition 2017	MPN/100 mi	BDL (MDL 1.1)	Detectable in any 100 ml sample

	End of Report
Limit is specified as	IS 10500 2012
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
F 0 III - 11 1	<1.8 / < 1.1 MPN/100 ml denotes that the presence probability of bacteria is absent in the tested sample.
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all testing areas as per IS 196:1966 (C)
Specific contractual	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Remanant Facility
notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law
	This report cannot be reproduced, except when in full, without the written permission of the CEO
	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless specified otherwise
	The liability of the laboratory is limited to the invoiced amount.
Name of the last o	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample complies with prescribed limit.

Madhuri Sinha (Lab Analyst)

Venified by Issued by Mukesh Kumar Section In-Charge Technical Manager

Authorized Signatory Microbiological Section Yugantar Bharati Analytical & **Environmental Engineering Laboratory**

Technical Manager Yugantar Bharati Analytical & Environmental Engineering Laboratory



Branch Office : -Jamshedpur Dhanbad

Hazaribag

Pakur

ISO 9001:2015 ISO 45001:2018

Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 09835-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in



Accredited by: - Jharkhand State Pollution Control Board (JSPCB)

Certified by:-

An ISO 9001:2015 & ISO 45001:2018

Test Certificate

Report Release Date	03rd May, 2022	YBAEEL-220423-182031 -WL01	
W. Order/ JSPCB App. No.	ASIPL/008/2022-23	Work Order Date	22.04.2022
Type of Industry(If any)	Sponge Iron Unit	Job code/ Ref. no.	YBAEEL/WA/L/C/Apr-22/09
Report Issue to	M/s Aloke Steels Industries Priva Budhakhap, Post - Karma - 82913 Dist Ramgarh, Jharkhand.		The state of the s
Sampling Date	30/04/2022	Mode of sample collection	By YBAEEL Team
Meteorological Cond. of Field	W.C Clear	RH % - 43	Temp 36

******Test Results *****

SI	Location	Ground Water Level (mbgl)
	Near Occupational Health Center	8.6

******End of Report*****

notes	This report, in full or in part, shall not be used for advertising or as evidence in any court of law.
	This report cannot be reproduced, except when in full, without the written permission of the CEO.
	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
	The liability of the laboratory is limited to the invoiced amount.
	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	and disposes are subjected to the handri sunspicion.

O L. A.	28,52
Bre 2022	703/6
Verified by	Issued by
Brij Nandan Kumar Section In-Charge	Umesh Das
South in Utilitie	Technical Manager

Authorized Signatory
Chemical Section
Yugantar Bharati Analytical &
Environmental Engineering Laboratory

Technical Manager
Yugantar Bharati Analytical &
Environmental Engineering Laboratory



Branch Office : - Jamshedpur

Dhanbad

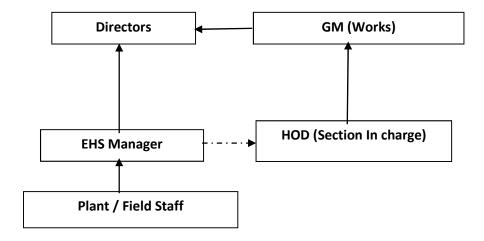
Hazaribag

Pakur

ISO 9001:2015

Main Office: Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 098351-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in

Organization of Environment Management Cell



Aloke Steels Industries Private Limited

REGD OFFICE

CIN **Email** : OPP. ASHOK CINEMA

RANCHI ROAD, MARAR -829 117

DIST. - RAMGARH (JHARKHAMDA)

: U27103JH2004PTC010725

: asipl.ramgarh@gmail. com

WORKS:

Vill: Budhakhap

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

Date.....

15/06/2022

ASIPL/23/ 2022-23

To.

Ref. No.....

The Additional Principal Chief Conservator of Feb

Government of India,

Ministry of Environment, Forest & Climate Change,

Integrated Regional Office (Eastern Central Zone),

2nd Floor, Headquarter-Jharkhand State Housing Board,

Harmu Chowk, Ranchi, Jharkhand- 834002

Sub:- Regarding compliance for the period October, 2021 to March, 2022 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 letters, the point wise Half Yearly compliance status for the period of October, 2021 to March, 2022 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

Cc to:-

For Aloke Steels Industries Pvt Ltd.

Authorized Signatory

Enclosures: Compliance status Report.

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 -

3) Regional Officer, Regional Office, State Pollution Control Board, Hazaribagh, Jharkhand.





Jharkhand <jam.env2018@gmail.com>

Sub:- Regarding compliance for the period October, 2021 to March, 2022 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).

1 message

Jharkhand <jam.env2018@gmail.com>

Sat, Jun 18, 2022 at 11:36 AM

To: ro.ranchi-mef@gov.in

Cc: rdkolkata.cpcb@gov.in, ranchijspcb@gmail.com, jspcb_hazaribagh@rediffmail.com

Bcc: Jharkhand <jam.env2018@gmail.com>

ASIPL/23/ 2022-23

15/06/2022

To,

The Additional Principal Chief Conservator of Forests (C),

Government of India,

Ministry of Environment, Forest & Climate Change,

Integrated Regional Office (Eastern Central Zone),

2nd Floor, Headquarter-Jharkhand State Housing Board,

Harmu Chowk, Ranchi, Jharkhand- 834002

Sub:- Regarding compliance for the period October, 2021 to March, 2022 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).

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Dear Sir,

In reference to the above subject matter & reference letters, the point wise Half Yearly compliance status for the period of October, 2021 to March, 2022 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 Aloke Steels Industries Pvt Ltd.



6/15/22, 5:38 PM SPCB Admin Home



Online Consent Management & Monitoring System

Ministry of Environment, Forest and Climate Change Government of India





(A+) (A) (A-)

Home Laboratory Management Waste Management CESS Management Knowledge Base Logout

Apply For Consent

Change Password

Industry Profile

Compliance Management

Welcome ALOKE STEELS INDUSTRIES PRIVATE LIMITED

Date: 15-6-2022

Laboratory Monitoring ReportOnline Payment Verification

a online rayment vermeation

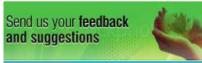
▶ Fee Calculator

e-Wallet Management

Delete InProgress
Applications

Delete InProgress LAB Applications

▶ View Notices 0



click here for any kind complaints or query

General

Occupier Mobile No:

General Details

Industry Name: ALOKE STEELS INDUSTRIES PRIVATE LIMITED

Industry Address: VILL: BUDHAKHAP, PO: DIGWAR, RAMGARH

Industry Pin: 829137

Industry S.T.D. Code(Phone): 06553
Industry Phone No: 226846

Industry E-Mail Address: asipl.ramgarh@gmail.com

Occupier Name: KAMENDRA MISHRA

Occupier Designation: DIRECTOR

Occupier Address: NEAR PNB, MAIN ROAD

Occupier Pin: 829122

Occupier Email Address: asipl.ramgarh@gmail.com

Industry Category: RED

Industry Type: Iron & Steel involving processing from ore/integrated steel plan

Your Compliance details has been Submitted. Your Acknowledgement Number is 13493199. Thank You!.

Last Consent Granted App. No: 10535965

Last Consent Granted Uploaded Certificate: <u>View Uploaded Certificate</u>

Last Consent Granted App. Type: CTO
Authorization to file Compliance: View File

6/15/22, 5:38 PM SPCB Admin Home

Proposal No. State	Proposal Name	Category	User Agency Name	Proposal Recieved on	File No	Date of grant
eneral Condition:						
pecific Condition:						

Site designed, hosted by National Informatics Center

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oke Steels Industries Private Limited

REGD OFFICE

CIN

Email

: OPP. ASHOK CINEMA.

RANCHI ROAD, MARAR -829 117 DIST. - RAMGARH (JHARKHAND)

: U27103JH2004PTC010725 : asipl.ramgarh@gmail. com WORKS:

Vill: Budhakhap Post: Karma -829137

Dist.-Ramgarh,(Jharkhand)

Ref. No.....

Date.....

ASIPL/028/2022-23

22/06/2022

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

Sub: Submission of Environmental Statement Report from the period of April 2021 to March 2022 for our Coal based Sponge Iron.

Ref.:- CTO Ref. No.- JSPCB/HO/RNC/CTO-10535965/2021/1138, Dated 25/09/2021.

Dear Sir.

With reference to the above, we are enclosing herewith the Environmental Statement Report for the period from April 2021 to March 2022 of our Sponge Iron.

Please find above in order and do the needful.

Thanking you,

Yours faithfully,

For ALOKE STEELS INDUSTRIES PVT.LTD.

Manoj Kumar

Manager (Environment)

Encl: As above.

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

RJ218528805IN 1VR:82742185288 RL RAMBARH CANTT HD (929122) Counter No:1,23/66/2022,11:14 TO: THE REGIONAL OFFICER, H BAGH PlM:825301, Hazaribagh HO From: ALOKE STEEL INDUSTRIES, MARAR Wt: 25 gas Ant: 27.00 (Cash) (Track on www.indiapost.gov.in) (Dial 18002666868) (Wear Masks, Stay Safe)

ENVIRONMENTAL STATEMENT Aloke Steels Industries Private Limited Period from: April 2021 to March 2022

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)	Red Category
	Secondary (S.T.C. Code)	Sponge Iron – 400 TPD
3.	Production Capacity	06.05.2004
4.	Year of Establishment	
5.	Date of the last Environmental Statement Submitted	22/09/2021

PART-B

WATER AND RAW MATERIAL CONSUMPTION

(I) Water consumption in m3/day:

Process & Cooling : 203.47 m3/day

Domestic : 6.29 m3/day

	Process Water Consumption	n per Unit of Product Output
Name of Product	During Previous Financial Year (2020-21)	During Current Financial Year (2021-22)
Sponge Iron	0.92	0.92

(II) RAW MATERIAL CONSUMPTION:

Name of Raw Material	Name of Product	Consumption of Raw Material Per Unit o Output				
		During Current Financial Year (2020-21)	During Current Financial Year (2021-22)			
Iron ore		1.58	0.72			
Iron Ore Pellet	Sponge Iron	0.69	1.34			
Dolomite		0.03	0.02			
Coal		1.66	1.46			

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

During Previous Financial Year	During Current Financial Year	
(2020-21)	(2021-22)	
68.05	72.65	

(IV) TOTAL PRODUCTION (MT):

During Previous Financial Year (2020-21)	During Current Financial Year (2021-22) 80593.00	
90388.00		

$\frac{PART-C}{DISCHARGED\ TO\ ENVIRONMENTAL\,/\,UNIT\ OF\ OUTPUT}$

Pollutants	Quantity of Pollutants Discharged (Mass/Day)	Concentration of Pollutants in Discharge (Mass/Volume)	Percentage of variation from prescribed standard with reasons
(a) Water	Discharge (with online The waste wa	ZLD), the web camera ar monitoring facilities. water generated from the via septic tank and soaks	In compliance to Zero Liquid and flow meter are also installed office toilet and mess has been pits.
(b) Air	installed wi	th web connectivity with	ring system of PM & SO2 are CPCB & SPCB. Ionitoring System (CAAQMS)

PART - D

HAZARDOUS WASTE

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

Hazardous	Total Qua	Total Quantity (Ltrs.)	
Waste	During Current Financial Year (2020-21)	During Current Financial Year (2021-22)	
a)From Process	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.	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.	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

	A TO LESS POLITICISMOS EL INCE	Total Quantity (MT)		
		During Previous Financial Year (2020-21)	During Current Financial Year (2021-22)	
(a)	From Process	Facilities Co.		
	1) Dolachar (Coal Chai)	81210.00	55545.00	
	2) Other waste	11720.20	24350.46	
(b)				
	1) Sold	30661.510	65011.47	
-	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.