

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>
 Sat, Jun 18, 2022 at 11:36 AM

ASIPL/23/ 2022-23

15/06/2022

To, 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).

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 **For Aloke Steels Industries Pvt Ltd.**

ASIPL - EC Compliance - Oct 21 to March 22.pdf 11611K

Aloke Steels Industries Private Limited

CIN Email

REGD OFFICE

: 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)

Date.....

15/06/2022

Ref. No.....

ASIPL/23/ 2022-23

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

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Hope you will find this in order and oblige.

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

612 0

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

SPCB Admin Home

A A A

	narkhand On ate Pollution Control Board		ment & Monitoring Sy , Forest and Climate Change nent of India	/stem	्रि सत्यमेव जयते
Home	Laboratory Management	Waste Management	CESS Management	Knowledge Base	Logout
Apply For					
 Change Pa Industry F 					
	ce Management				and the second second
▶ Laborator	y Monitoring Report Welcome ALOKI	E STEELS INDUSTRIES PRIVATE LIN	NITED		Date : 15-6-2
Online Pay	yment Verification				
Fee Calcu	-		our Compliance details has bee nowledgement Number is 134		
▶ e-Wallet N	Management General				
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				829137	
View Notic	ces 0 Industry S.T.D.	Code(Phone):		06553	
	Industry Phone	No:		226846	
end us your fe		Address:		asipl.ramgarh@gmail.com	
nd suggestion	ns Occupier Name:			KAMENDRA MISHRA	
	Occupier Design	nation:		DIRECTOR	
click here for		55:		NEAR PNB, MAIN ROAD	
complaint	Occupier Pin:			829122	
	Occupier Mobile	No:			
	Occupier Email	Address:		asipl.ramgarh@gmail.com	
	Industry Catego	ory:		RED	
	Industry Type:			Iron & Steel involving proce	ssing from ore/integrated steel pla
	Last Consent Gr	anted App. No:		10535965	
	Last Consent Gr	anted Uploaded Certificate:		View Uploaded Certificate	
		anted App. Type:		СТО	
		o file Compliance:		View File	

General Condition:	Proposal No.	State	Proposal Name	Category	User Agency Name	Proposal Recieved on	File No	Date of grant	
General Condition:									
General Condition:									
	General Con	dition:							View

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Environment Clearance Compliance Status Period from October -2021 to March -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- 23 rd July, 2018.		

A. SPECIFIC CONDITION:

S.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.	Sumface Water drawl amount
		Surface Water drawl agreement executed with DVC for drawl of
		water from Damodar River.
		<u> </u>

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.	· ·

2	Green belt shall be developed in 8.24 Ha of the plant area with a native tree species in	Being complied, for 8.24 ha will be completed in due course.
	accordance with CPCB guidelines. The greenbelt shall inter alia cover the entire periphery of the plant.	se 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 30 th May 2008 as amended from time to time S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plants) as amended from time to time) and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (protection) Act, 1986 or NABL accredited laboratories.	Being complied for existing coal based Sponge Iron plant online monitoring systems are installed for monitoring of PM & 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.	Being complied for existing coal based Sponge Iron plant. Noted for compliance in expansion project. Test monitoring report is enclosed as Annexure – 1 .
c)	Install system carryout Continuous Ambient Air Quality monitoring for common/criterion parameters relevant to the main pollutants released (e.g. PM_{10} and $PM_{2.5}$ in reference to PM emission, and SO_2 and NO_x in reference to SO_2 and NO_x emission) within and outside the plant area (at least at four location one within and three outside the plant area at an angle of 120^0 each), covering upwind and downwind direction; and	As per direction of Jharkhand State Pollution Control Board vide letter no B-19 issued on 28/02/2019, we have installed Continuous Ambient Air Quality Monitoring Station for PM 10 parameter and it is connected online with Jharkhand State Pollution Control Board URL server. JSPCB submitted copy regarding

		installation with commissioning of PM10 analyzer is enclosed as Annexure -2.
		Further we will comply in expansion project in due course.
d)	Submit monthly summary report of continuous stack emission and air quality monitoring and results of manual stack monitoring and manual monitoring of air quality/fugitive emission to Regional office of MoEF&CC, Zonal office of CPCB and Regional Office of SPCB along with six- Monthly monitoring 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	lonitoring):
a)	Install 24x7 continuous effluent monitoring system with respect to standards prescribed in Environment (Protection) Rules 1986 (G.S.R 414 (E) dated 30 th May 2008; S.O. 3305 (E) dated 7 th December 2015 (Thermal Power Plant) as amended from time to time and connected to SPCB and CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.	No industrial effluent is generated, domestic discharge are made in close circuit. In compliance to Zero Liquid Discharge (ZLD), the web camera and flow meter are installed and it is connected online with Central Pollution Control Board and Jharkhand State Pollution Control Board URL server. Noted for compliance in expansion project.
b)	Monitor regularly ground water quality at least twice a year (pre and post monsoon) at sufficient numbers of piezometers/sampling wells in the plant and adjacent areas through labs recognized under Environment (protection) Act, 1986 and NABL accredited laboratories; and	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 six- monthly monitoring report.	No industrial effluent is generated, domestic discharge are made in close circuit. In compliance to Zero Liquid Discharge (ZLD), the web camera and flow meter are installed and it is connected online with

		Central Pollution Control Board and Jharkhand State Pollution Control Board URL server. Noted for compliance in expansion project.
6	The project proponent shall (Air Pollution Co	
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;	noted for compliance in
f)	Ensure covered transportation and conveying of ore, coal and other raw material to prevent spilling and dust generation;	noted for compliance in
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 Conserva	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.	course with start of the
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 <u>www.asipl.in</u> .
c)	Inform the public through advertisement within seven days from the date of issue of the clearance letter, at least two local newspaper that are widely circulated in the region of which one shall be in the vernacular language that the project has been accorded environment clearance by the Ministry and copies of the clearance letter are available with the SPCB and may	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 <u>http://envfor.nic.in</u> .	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 <u>http://envfor.nic.in</u> .
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 <u>www.asipl.in</u> .
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	Noted the content to adhere the
21.0	clearance, if implementation of any of the above condition is not satisfactory.	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.

Thanking you.

Yours faithfully

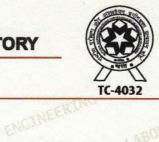
For Aloke Steels Industries Pvt Ltd.

Authorized Signatory



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.	TICANT	T	C	4	0 3	3 2	2	2	0	0	0	0	0	8	4		3
Discipline Chemical	Group	Atmospheric Pollution		Sam	Sample Description				Ambient Air Quality								
Report Release Date	23rd May, 2022						Report ID				YBAEEL-220505-114227-A01						
W. Order/ JSPCB App. No. 13130692			Wor	Work Order Date				4.05.2	2022	-			- 18	EL			
Type of Industry (If any)	Sponge Iron	Unit	(File	trs.		Job	code	/ Ref.	no.	Y	BAE	EL/W	A/L/A	/May	-22/2	28	
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Sampling Period Sampling Protocol Sampling Locations Meteorological Cond. of Field	18/05/2022- IS:5182 and	19/05/20 CPCB A ar Main	022 Air Ma Gate	nual	ar, Ram	of sam 1(NAAC	ple c	ollect /2012 2	ion		E		5.00"		MT	East	Gr Gr

ENVIRON

Parameters	Test Methods	Units	MU %	Sampling Location Site A	Limits
Particulate matter (PM10)	IS:5182 (P-23) 2006, RA 2017	µg/m ³	2.68	89.5	100
Particulate matter (PM2.5)	IS:5182 (P-24) 2019	µg/m ³	2.60	49.5	60
Sulphure Dioxide (SO ₂)	IS:5182 (P-2) 2001 RA 2017	µg/m ³	7.84	17.1	80
Nitrogen Dioxide (NO ₂)	IS:5182 (P-6) 2006 RA 2017	µg/m ³	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	I his 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					
1.15	The liability of the laboratory is limited to the invoiced amount.					
COMPLETE STATE	All disputes are subjected to the Ranchi Jurisdiction.					
Remarks	Samples comply with prescribed limits.					

LEYTECAL Sample Drawn By - Angad Munda **Tested By** - Amit Kumar Sinha (Lab Analyst)

Only CONCERN for Jharkhand State Pollution Control Board Application No. 1.31.30692 Submission Date 23 - 05 - 2022 BHARAT

	Allotted Date
ANALYTICAL & A SAVIRONMENTAL ENGLAGE	TORY YUGANTAR BUS MARATE ANALYTICAL
Bril 23 tos 222	Fa315102
Venified by	Issued by
Brij Nandan Kumar Section In-Charge	Umesh Das
Authorized Signatory Atmospharic Pollution Yugantar Bharati Analytical & Environmental Engineering Laboratory	Technical Manager Technical Manager Yugantar Bharati Analytical & Environmental Engineering Laboratory
Branch Office : Jamshedpur Dhanbad	Hazaribag Pakur (Uni)
Main Office : Namkum Post Office, Side	roul, Ranchi - 834010, Jharkhand



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





YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -Jharkhand State Pollution Control Board (JSPCB) An ISO 9001:2015 & ISO 45001:2018 Certified by : -BHARATI ANAL



Jest Certificate RATORY

Certifie	ed by :- An ISO 900	1:2015 & ISO 4	1001.2010			Cont
Certific	cate yug	RATIO	BHARATE MARLY	OTCAL & ENVER	CONTRACTION ENG	JINFERING -NI
Discipline	Chemical	Group	Atmospheric Pollution	Sample Description	on Fugitive Emissio	on contraction
Report Rele	ase Date	23rd May, 20	022	Report ID	YBAEEL-220505	-114227-F01
W. Order/ JS	SPCB App. No.	13130692	Also.	Work Order Date	04.05.2022	R
Type of Indu	ustry (If any)	Sponge Iron	n Unit	Job code/ Ref. no	YBAEEL/WA/L/A	/May-22/28
Report Issue	e to	Min Alalia		TOM TOM		
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Sampling Pe	eriod	· · · · · · · · · · · · · · · · · · ·	akhap, PO - Digwar, Ra		By YBAEEL	Team
		Vill - Budh 18/05/2022	akhap, PO - Digwar, Ra	mgarh, Jharkhand. e of sample collection		Team
Sampling Pr	rotocol	Vill - Budh 18/05/2022 IS:5182 and	akhap, PO - Digwar, Ra	mgarh, Jharkhand. e of sample collection e-1(NAAQM/36/2012-13) and the second	286
Sampling Pr	rotocol	Vill - Budh 18/05/2022 IS:5182 and A. Ra	akhap, PO - Digwar, Ra Mod CPCB Air Manual Volum	mgarh, Jharkhand. e of sample collection e-1(NAAQM/36/2012-13 1 (10 mtr. away from sour) and second	85º33'04.71"E
Sampling Pe Sampling Pr Sampling Lo Meteorologi	rotocol	Vill - Budh 18/05/2022 IS:5182 and A. Ra B. Pr	akhap, PO - Digwar, Ra Mod CPCB Air Manual Volum aw Material Handling Area roduct Handling Area (10	mgarh, Jharkhand. e of sample collection e-1(NAAQM/36/2012-13 1 (10 mtr. away from source)) ce) 23°39'49.52"N, 23°39'48.93"N,	85º33'04.71"E

Parameters	Test Method	Units	Sampling	CONT?		
arameters are period	Test Method	Units	Site A	Site B	Limit	
Suspended Particulate matter (SPM)	IS:5182 (P-IV) 1999	µg/m³	1819.1	1639.4	2000	
Sulphure Dioxid <mark>e (</mark> SO ₂)	IS:5182 (P-2) 2001 RA 2017	µg/m³	11.5	9.2	•	
Nitrogen Dioxide (NO2)	IS:5182 (P-6) 2006 RA 2017	µg/m ³	25.9	22.7	- STARONAS	

Limit is specified as	Environmental (Protection) Rule – 1986. (8 hours basis)	1
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,	5
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.	
- aON	This report cannot be reproduced, except when in full, without the written permission of the CEO.	S.F.
	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless specified otherwise	
in the second	The liability of the laboratory is limited to the invoiced amount.	
State of the second sec	All disputes are subjected to the Ranchi Jurisdiction.	
Remarks	Samples comply with prescribed limits.	

Sample Drawn By Tested By

- Angad Munda - 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

TCA ENGTRONMENTAL	NEERING LA	ORATORY PUGANIA	Submission Da	(G
Belleven 05/20	22	MATORY YOUNT?	8-23-5-22	MAR
Verified by		NDW	Issued by	18 20
Brij Nandan Kumar	U STR	A.Den	Jmesh Das	D'Bbeen
Section In-Charge	THE EAR	Ţech	nnical Manager	
Authorized Sig Atmospharic Po Yugantar Bhorati Ar Environmental Engineeri	ollution halytical &	Yugantar Bha	al Manager Irati Analytical & gineering Laboratory	CL NAM
Branch Office : - Jamshedpur	Dhanbad	Hazaribag	Pakur	
Main Office : Namkum	Post Office Sidrou	Ranchi - 834010 Jhar	khand	



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





ENVIRON

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



ENGINEER

Test Certificate

2.

3.

Tested By

Near Pump House

West Side

ULR	(Unique	Lab Report) No.	UNICAN FILM		TC	4	1 0	13	3 2	2	2	0	0	0	10	0	8	4	4	TI
Disc	ipline	Chemical	Group	A	tmosph	neric	Pollut	ion	Sar	Sample Description				Ambient Noise						
Rep	ort Rele	ase Date	23rd May, 20	22	Bra					Report ID					YBAEEL-220505-114227-N01					-
W. C	rder / J	SPCB App. No.	13130692					-	Work Order Date				289.21	04.05.2022						
Туре	e of Industry (If any) Sponge Iron Unit					-		316.11	ef. no	2	YBAEEL/WA/L/A/May-22/28									
GIN	ort Issu	AU U	M/s Aloke S Vill - Budha								khar	nd	84 4	NVT						
Sam	pling Po	eriod	18/05/2022-	19/0	5/2022			Mod	e of sar	of sample collection By YE					YBA	YBAEEL Team				
Sam	pling Pr	rotocol	IS 9989:1981	I (RA	2020)		P.A.L	14	7						E ENDS					av
Mete	orologi	cal Cond. of Field	W.C Partly	Clou	udy/Driz	zzling	g	RH 9	6 - 48	- 48				Temp 30°C				-		
Sam	ple rece	eipt Date	19/05/2022	A	nalysis	Star	ted on		19/05/2	19/05/2022 Analysi			sis completed on 21/05/2022							
	NGL	1 Al	AUTARA		**	****7	Test Re	sults	*****				180	1 14	C. NO.				1	
SI	- Frid	Locations	Paramet	ters	Unit	S	MU	%	(6.00 a	Day 1)	N 10.00 j	ight T p.m. to		.m.)	ARAF	Limit	s
1.	Near I	Main Gate	Leq		dB (/	A)	3.32	2		63	.5	Terriera.	1	CAL	46.4				INTE	AT.
		and the second second second second				1 m 1	_				100		11					1		

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

3.32

58.1

57.3

WARD

dB (A)

dB (A)

Leq

Leg

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% 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 Labis Romanant Facility
notes	This report, in full 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
82 Sec. 1.	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless capacitied ethospice
	The liability of the laboratory is limited to the invoiced amount
atte	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Samples comply with prescribed limit.

Sample Drawn By - Angad Munda

- Amit Kumar Sinha (Lab Analyst)

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

Day - 75

Night - 70

43.3

42.8

Submission Date 23 . 05 . 2022

Ventred by Issued by Brij Nandan Kumar Umesh Das Section In-Charge Technical Manager Authorized Signatory Technical Manager Authorized Signatory Technical Manager Authorized Signatory Technical Manager Authorized Signatory Technical Manager Yugantar Environmental Engineering Laboratory Yugantar Engineering Laboratory	ALC NUL	023105/20	anteriane s	ATOMY YUGA	Jails a	NOVAL-Y L
Section In-Charge Technical Manager Authorized Signatory Technical Manager Atmospharic Pollution Yugantar Bharati Analytical &	de a	Verified by Brij Nandan Kumar	637			
Authorized Signatory Atmospharic Pollution Yugantar Bharati Analytical & Yugantar Bharati Analytical &	The second	Section In-Charge	ACCENCE AND			- ANAL
	Yu	Atmospharic Pol gantar Eirarati Ana	llution alvtical &	Technic Yugantar Bh	cal Manager arati Analytical &	pry .



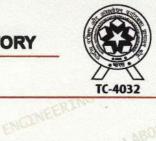
Main Office : Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand Ph: 09835-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in





Certified by : -

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.		T	C	4	0	3	2	2	2	0	1	0	0	0	0	8	4	5	F
Discipline Chemical	Group	Atm	osph	eric F	ollut	on	San	nple	Desc	ript	ion	T	Stati	onary	/ Sou	rce F	mise	ion	1.
Report Release Date	23rd May, 2022		1					ort I				-		EEL					
W. Order/ JSPCB App. No.	13130692			2.20		RA.		rk Or		Date	1			5.202					<si< td=""></si<>
Type of Industry(If any)	Sponge Iron U	Init	1.1	-	- PE	10.3	Job	cod	e/ Re	f. n	0.		YBA	EELA	NA/L	A/Ma	v-22	/28	
Report Issue to	M/s Aloke St Vill - Budhak		1997 - C.	10,230,000	1210-2110-2004				khar	ıd.				ON	ENT	AL		Sector 1	
Sampling Period	18/05/2022	= thit			M	ode	of sar	nple	colle	ectio	n	63	B	YBA	EEL	Team	1	Sale	1140
Sampling Protocol	IS: 11255 & CF	CBG	uideli	ne (L	ats/80	0/201	3-14)			122	1	22	1-			. oun	1	Pallet a	
Meteorological Cond. of Field	W.C Clear	ST SP	3		_	H %		CN S	200		1		Te	mp	32°C	C. C.			-
Sample receipt Date	19/05/2022	Ana	lysis	Start	ed on	0	19/05	2022	,		nat	vei	s con				1/05/	2022	100

General Information

sampling	ANAL AS	s reported by c	ustomer
Port Hole		9.1	Coal
Permanent		TAL Y	3.5 TPH/Each Kiln
ack Description (Shape & Material) Circular/Metal			100 TPD/Each Kiln
			55.0 m
Stack - 01 (Kiln 1 & 2)-	Inner Diameter of Stack		1.8 m
27.0 m			ESP
N/A			N/A
Test Method	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Units	Results
IS 11255 (Part 3)2008	SUPERIOR ST	k	453.0
10 44955 (0. 4 9)9999			21.0
IS 11255 (Part 3)2008		Nm ³ /hr	122158.9
	Port Hole Permanent Circular/Metal Available Stack – 01 (Kiln 1 & 2) - 27.0 m N/A Test Method IS 11255 (Part 3)2008 IS 11255 (Part 3)2008	Port Hole Type of fuel Used Permanent Quantity of Fuel Used Circular/Metal Total production Capacit Available Height of Stack from gro Stack – 01 (Kiin 1 & 2) Inner Diameter of Stack 27.0 m Pollution Controlling Det N/A Total No. of Oven (if any) Test Method IS 11255 (Part 3)2008	Port Hole Type of fuel Used Permanent Quantity of Fuel Used Circular/Metal Total production Capacity Available Height of Stack from ground level Stack - 01 (Kiln 1 & 2) Inner Diameter of Stack 27.0 m Pollution Controlling Device (if any) N/A Total No. of Oven (if any) Test Method Units IS 11255 (Part 3)2008 k IS 11255 (Part 3)2008 m/s

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

Emission Rate

ENVIR

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	1913. 4
3.	Oxide of Nitrogen (as NO _x)	IS 11255 (Part 7)2005 RA 2012	Kg/hr	8.4	

A A A A A A A A A A A A A A A A A A A	******End of Reg	port*****	A.A.					
Limit is specified as	Environmental (Protection) Rule - 1986.	N. Y.	No. Cal					
Abbreviation	MDL : Minimum detection limit, BDL : Below detection lim	it.	2					
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Re	lative Humidity 65 + 5% in all testing areas as per	15 106-1066 (C)					
Specific contractual	All values are expressed in as unit and results listed refer	only to the tested sample and applicable parame	ter in Lab's Permanent Eacility					
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, with	hout the written permission of the Lab In-charne						
	The samples collected shall be destroyed after 7 days fro	m the date of issue of the certificate unless specif	ied otherwise					
	The liability of the laboratory is limited to the invoiced and	ount.	icu obierwise					
-PGN	All disputes are subjected to the Ranchi Jurisdiction.	and the second	ALL PINE					
Remarks	Sample complies with prescribed limit.	10Pa	Only CONCERN for					
SI ENV	An menor	NRORATON TAR B	Allotted Date 04.05.20 Submission Date 2.3.05.2					
ALTCON	Briego har	2	15 a 2					
A CAN	Verified by	Issued	by states					
The second second	Brij Nandan Kumar	Umesh	Das					
ALC: NO	Section In-Charge	Technical M	lanager					
	Authorized Signatory	Technical N						
	Atmospharic Pollution	Vucantas Phasat	Applicat					
V TOTAL	ugantar Bharati Analytical &	Yugantar Bharat	Analytical &					
- Mal-	yantar bharatr Analytical a	Environmental Engine	eering Laboratory					

State Pollution Control Board

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

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

Pertifica	te w																		
0.94	RATON		3. Higher				and l	1						STA	50		R.M.		
ULR (Unique Lat	Report) No.	ALGA AL	T	C	4	0	3 2	2	2	(0	0	0	0	8	5	5	F
Discipline C	hemical	Group	Atm	osphe	eric Po	ollution	Sa	mple	Des	cript	tion	T	Stati	onar	v Sou	rce E	miss	ion	-
Report Release	Date	24th May, 202	22 8	1988 and				port								05-114			
W. Order/ JSPC	B App. No.	13130692	a.		1.000	- 10	W	ork O	rder	Date)		04.0	a to the or the	Contraction of the local division of the loc				0
Type of Indust		Sponge Iron	Unit		-	140 m	Jo	b cod	de/ R	ef. n	0.	33	YBA	EEL	WA/L	A/Ma	v-22/	28	-
Report Issue to	LABORATON	M/s Aloke S Vill - Budha					Limit	ed	180	8			é	2014	RENT	CAL			
Sampling Perio	bd	19/05/2022	a mail	1		Mo	le of sa	mple	e coll	ectio	on	E	B	YB/	AEEL	Team	1	-	3
Sampling Prote	col and	IS: 11255 & C	PCB G	uidelin	ne (La				L.C.C.	25			-		<u></u>		al		
Meteorological	Cond. of Field	W.C Partly					% - 56	NUS	1	Sun.			Te	emp	-28ºC	IL IS	-		
Sample receipt	Date	19/05/2022	Ana	lysis S	Starte	don	19/0	5/202	2	1	hal	vsi			ed on		1/05/2	022	

General Information

As observed while	sampling	As	reported by o	sustomer		
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 Capacit	V	100 TPD/Each Kiln		
Sampling port	Available	Height of Stack from gro		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 Der	vice (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	Stand Stand	k at	458.0		
Stack gas Velocity	IS 11255 (Part 3)2008 m IS 11255 (Part 3)2008 Nm			21.5		
Volumetric Flow Rate				123529.5		

SI. No	Parameters	Test Method	Units	MU %	Results	Limits
1.	Particulate Matter (PM)	IS 11255 (Part 1)1985:2019	mg/Nm ³	2.12	89.2	1001
2.	Sulphure Dioxide (SO ₂)	IS 11255 (Part 2)1985:2019	mg/Nm ³	3.06	200.4	-
. 3.	Oxide of Nitrogen (as NOx)	IS 11255 (Part 7)2005 RA 2012	mg/Nm ³	2.70	77.9	-
4.	Carbon Monoxide (CO)	IS 13270:1992 , RA 2009	%	1. 183	BDL (MDL 0.2)	1821200

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	9.08
3.	Oxide of Nitrogen (as NO _x)	IS 11255 (Part 7)2005 RA 2012	Kg/hr	9.63	

North Read	******End of Report******	
Limit is specified as	Environmental (Protection) Rule – 1986.	10000
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,	ALL
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2°C and Relative Humidity 65 ± 5% in all te	esting 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 t	the Lab In-charge
AL &	The samples collected shall be destroyed after 7 days from the date of issue of the certif	ficate unless specified otherwise
	The liability of the laboratory is limited to the invoiced amount.	
MORNING ROM	All disputes are subjected to the Ranchi Jurisdiction.	
Remarks	Sample complies with prescribed limit.	Only CONCERN for
Samala Danua Du	ABUN ABUN	Jharkhand State Pollution Contr
	d Munda	Application No. 1.31.30 6
ested By - Amit	Kumar Sinha (Lab Analyst)	Allotted Date
	A RANGE AND A REAL AND A RANGE AND A RANG	Submission Data 24. 0.

Jharkhand State Pollution Control Board Application No. 13130692

Submission Date 24.05.2022 102

Yugantar Bharati Analytical &

Environmental Engineering Laboratory

2utosi	O aylor
Verified by	Issued by
Brij Nandan Kumar	Umesh Das
Section In-Charge	Jechnical Manager
Authorized Signatory	Technical Manager

Atmospharic Pollution Yugantar u. ti Analytical & Environmental Engineering Laboratory

1000

State Pollution Control Board

Dhanbad Hazaribag Pakur 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
 : U27103JH2004PTC010725

 Email
 : asipl.ramgarh@gmail.com

WORKS :

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

Date:-20/12/2019

Date.....

Ref. No.....

ASIPL/670/2019-20

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.

sucels Industries Private 1 in

en ND, MARAR - 829-117 en ND, MARAR - 829-117 en MARAH (JHARKHAND). E. F. DOMPTONOTES US. PERMISSING COM

Set(1.070/2019-20

Ino Permer Sconsary, and a Permer Sconsary, 1.2 Desconstant Pollution Control Board, 1.2 Desconstantiding (Ground Ploor), 11.5 C. Ohurwa, Euracht - 834004 Ihmiceant.

et, alle lastallation, commissioning and data transmiss of the fiberbland State Pollution Control Board URL server of Chinas Contact Control Board URL server of Chinas Contactors Station (CAAQMS) for PM 10 parameter.

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

Research ted Sirg

SUB264180351H INFLOOR ALCOMPACE ALSO ALCOMPACE PROVINCE HOLD, 25/12/2019, 11:24 Installine Hold, 25/12/2019, 11:24 Installine Steel, NAME Promoduline Steel, NAME W1:221gms Anti-91.30(Cash) Taxio.30 (Tradi co Manu.indiapost.gov.in) (Drail 1900) 266 6668:

> burns ambindis. For aloke Strels Industries Pvi: Lid:

 an electronical (2000 eff. Mag. el all'Officie). Statie Politation (2000 Polestrophetation).

Aloke Steels Industries Pvt Ltd

PM 10 Analyser



Aloke Steels Industries Pvt. Ltd.

Village- Bhudhakhap, Post – Karma, Distt – Ramgarh, Jharkhand - 829137

Sl. No.	Month	Stack 1		Sta	ck 2
		PM		Р	М
		Online	Manual	Online	Manual
		data	monitoring	data	monitoring
1	October, 2021	63	88	64	84
2	November,	66	85	69	88
	2021				
3	December,	72	89	74	85
	2021				
4	January, 2022	80	93	79	90
5	February, 2022	72	83	74	79
6	March, 2022	69	84	73	83

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

Ambient Air Quality Monitoring

Location	Parameters	Unit	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
Nr. Main Gate	PM 10		88	93	88	91	89	93
	PM 2.5		55	53	54	52	50	55
Nr. OHC	PM 10		92	89	91	88	94	78
	PM 2.5	µg/m3	54	53	51	54	56	53
Nr. North-west	PM 10		91	89	91	92	90	88
boundary wall	PM 2.5		52	55	57	55	57	54

Online Ambient Air Quality Monitoring Data (PM10)

Location	Unit	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
Nr.	μg/m3	69	70	72	72	73	71
Temple							



Accredited by: -

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

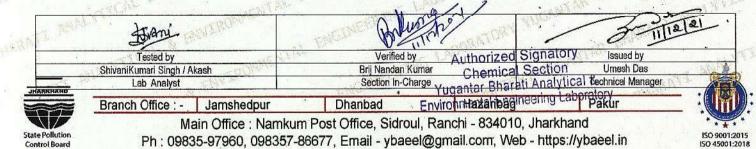


st Certificate	N. Bert	A Some A															
URL (Unique Lab Report) No.		T	C	4	0 3	3 2	2	1	1	0	0	0	0	0	6	1	
Discipline Chemical	Group	314	Water		A. M.	Samp	le Des	cripti	on	Barrey	S C	Groun	id Wat	er		1. FY	
Report Release Date	11th Decembe	r 202	1	475	P. P. P.	Repor	tID			No.	1	BAE	EL-21	1204	-173	3716-	GWO
W. Order/ JSPCB App. No.	ASIPL/66/202	1-22	Contraction of the second	10		Work	Order	Date		1	0	2.12.	2021	en ^{kata} n			
Type of Industry(If any)	Sponge Iron L	Jnit	100		1	Job c	ode/ R	lef. no).		6	/BAE	ELIWA	VLI(C/De	c-21/	04
Report Issue to			mans	Tries F	VI. LII								10 IOR#44	3	10.2		
Sample Received Date	Ranchi Road Jharkhand.		COUCES TRANSFER	tries F 29117			Million.		colle	ction	(5.) ²	By Cu	stome	(.) (.)	9. 1 2 2 2 2 2 2		
Sample Received Date	Ranchi Road Jharkhand.		COUCES TRANSFER			- Ram	of sa	mple	colle	ction	-	Charmenter and	istome 4-GW-	11.04.5			NA A
	Ranchi Road Jharkhand. 04/12/2021		COUCES TRANSFER			- Ram Mode	of sai le Coo	mple de		ction	2	21120	C al M Yes	X02		<u>्रा</u>	and the second s
Sampling Protocol	Ranchi Road Jharkhand. 04/12/2021 N/A	i, Ma	rar - 8	29117		- Ram Mode Samp	of sa le Coo ling S	mple de cource		ction	2	21120	4-GW- nd Wat	X02	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		No.
Sampling Protocol Sampling Location	Ranchi Road Jharkhand. 04/12/2021 N/A Bore well	i, Ma	rar - 8	29117		- Ram Mode Samp Samp	of sai le Coo ling S le Qua	mple de cource antity		ction	2	21120 Grour 3000 i	4-GW- nd Wat	X02			NA ST

SI	Parameter	Test Method	Units	MU %	Results	Limits 🚬 🗉
1.	pH value	IS 3025 (P-11):2002	pН	1,77	8.25	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	520.0	COLUMN STORY
4.	Turbidity	IS 3025 (P-10):2002	NTU	3.63	1.0	1-5
5.	Total Alkalinity (as CaCO3)	IS 3025 (P-23):2003	mg/l	3.68	138.0	200-600
6.	Total Hardness (as CaCO3)	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 Cl)	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 3
11.	Nitrate (as NO3-)	APHA 4500 NO3- (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 SO42-)	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.
A A A A A A A A A A A A A A A A A A A	This report cannot be reproduced, except when in full, without the written permission of the CEO.
and the second se	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
E Elev	The liability of the laboratory is limited to the invoiced amount.
and the second	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





Certified by: -

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



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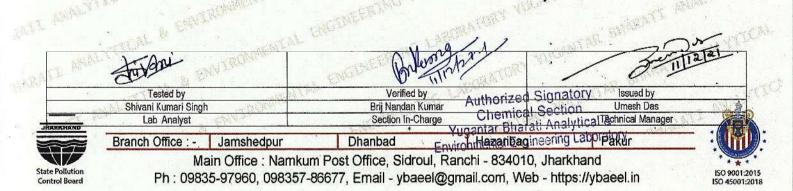
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URL (Unique Lab Report) No.	T C 4 0	3 2 2 1 5 0	0 0 0 0 3 3
Discipline Chemical	Group Water	Sample Description	Residue in Water
Report Release Date	11 th December 2021	Report ID	YBAEEL-211204-173716-GW
W. Order/ JSPCB App. No.	ASIPL/66/2021-22	Work 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. L		
Sample Received Date	Ranchi Road, Marar - 829117, Dis Jharkhand.	and the second	By Customer
Sample Received Date	Ranchi Road, Marar - 829117, Dis Jharkhand.	t Ramgarh,	By Customer 211204-GW-X02
Sample Received Date	Ranchi Road, Marar - 829117, Dis Jharkhand. 04/12/2021	t Ramgarh, Mode of sample collection	
Sample Received Date Sampling Protocol Sampling Location	Ranchi Road, Marar - 829117, Dis Jharkhand. 04/12/2021 N/A	t Ramgarh, Mode of sample collection Sample Code	211204-GW-X02
ST. LANDER LANDER	Ranchi Road, Marar - 829117, Dis Jharkhand. 04/12/2021 N/A Bore well	t Ramgarh, Mode of sample collection Sample Code Sampling Source	211204-GW-X02 Ground Water

SI	Parameter	Test Method	Units	MU %	Results	Limits
1.5	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 23rd 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 23rd 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/l	. 12.53	BDL (MDL 0.02)	0.05
9.	Nickel (as Ni)	APHA 3111 B 23rd edition 2017	mg/l	13.72	BDL (MDL 0.02)	0.02
x11.8255-	A CONTRACTOR OF	******End of Rep	ort*****		ALL ALLANT	A CHE CARE

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 notes 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. 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. All disputes are subjected to the Ranchi Jurisdiction. All disputes are subjected to the Ranchi Jurisdiction.	the second s	End of Report
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 notes 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. 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. All disputes are subjected to the Ranchi Jurisdiction.	Limit is specified as	IS 10500: 2012
Specific contractual notes 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. 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. All disputes are subjected to the Ranchi Jurisdiction.	Abbreviation	
Specific contractual notes 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. 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. All disputes are subjected to the Ranchi Jurisdiction.	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).
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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.	notes	
The liability of the laboratory is limited to the invoiced amount. All disputes are subjected to the Ranchi Jurisdiction.	221 St.	This report cannot be reproduced, except when in full, without the written permission of the CEO.
All disputes are subjected to the Ranchi Jurisdiction,		The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
	a the	The liability of the laboratory is limited to the invoiced amount.
Remarks Sample Comply with prescribed limits		All disputes are subjected to the Ranchi Jurisdiction.
	Remarks 🌼	Sample Comply with prescribed limits
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ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -Jharkhand State Pollution Control Board (JSPCB) Certified by : -An ISO 9001:2015 & ISO 45001:2018



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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)	stry(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.		THOMPSON ALL ENLISE
A CARLES AND A CAR	Jilai Kilaliu.		
Sample Received Date	04/12/2021	Mode of sample collection	By Customer
	A State of the second se	Mode of sample collection Sample Code	By Customer 211204-GW-X02
Sampling Protocol	04/12/2021		the second s
Sample Received Date Sampling Protocol Sampling Location Sample pkg. Condition	04/12/2021 N/A	Sample Code	211204-GW-X02
Sampling Protocol Sampling Location	04/12/2021 N/A Bore well	Sample Code Sampling Source	211204-GW-X02 Ground Water

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

SI	Parameter	Test Method	Units	MU %	Results	Limits
1.0	Odour	IS 3025 (P-05):2002		- Tester	Agree.	Agreeable
2.	Taste	IS 3025 (P-07):2002			Agree.	Agreeable
3.	Aluminium (as Al)	IS 3025 (P-55):2003	mg/l	100	BDL (MDL 0.002)	0.03-0.2
4.	Cyanide(as CN-)	IS 3025 (P-27)	mg/l	D AN	BDL (MDL-1)	0.05- No relaxation
5.	Phosphate (asPO ₄ ³⁻)	IS 3025 (P-31):2003	mg/l	-	0.028	

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 notes	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.
ions	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
C. William S.	The liability of the laboratory is limited to the invoiced amount. All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample Comply with prescribed limits
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ABORATORY YUKAWAAR BRARATE AWALYTICAL ANTAR PHARATE 11189 For 0 ĩ١ 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 EnvironnHazaribagineering LaborFakur Branch Office : -Jamshedpur Dhanbad Main Office : Namkum Post Office, Sidroul, Ranchi - 834010, Jharkhand 150 45001:2018 ISO 9001:2015 Ph: 098351-97960, 098357-86677, Email - ybaeel@gmail.com, Web - https://ybaeel.in



Certified by : -

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



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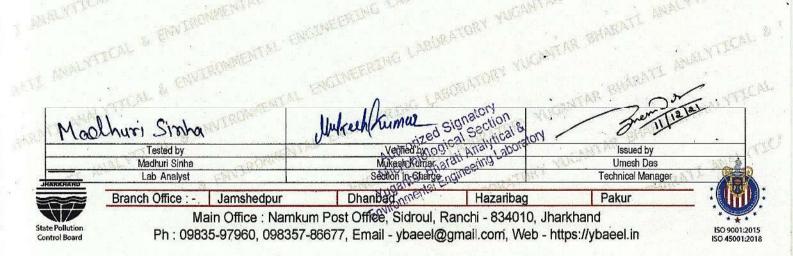
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st Certificate	100 ⁰⁰⁰		
URL (Unique Lab Report) No.	T C 4 0	0 3 2 2 1 4	0 0 0 0 0 7 1 F
Discipline Biological	Group Water	Sample Description	Ground Water
Report Release Date	11th December 2021	Report ID	YBAEEL-211204-173716-GW01
W. Order/ JSPCB App. 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/M/Dec-21/04
Report Issue to	M/s Aloke Steels Industries Po Ranchi Road, Marar - 829117, Jharkhand.	Dist Ramgarh,	ANTRONACOTAL LA
Sample Received Date	04/12/2021	Mode of sample collection	By Customer
	ALCA STATES	The second second second dealers and the second sec	
Sampling Protocol	N/A.	Sample Code	211204-GW-X02
Sampling Protocol Sampling Location	Bore well	Sample Code Sampling Source	211204-GW-X02 Ground Water
1 / Constant of the second		All sector and a sector	
Sampling Location	Bore well	Sampling Source	Ground Water

SI	Parameter	Test Method	**** lest Results ****	Units	Results	Limits	L Maria
1	Total coliform	APHA 9221B 2	3 rd Edition 2017	MPN/100 ml	BDL (MDL 1.1)	Shall not to be	
2.	Fecal coliform	APHA 9221E 2	3rd Edition 2017	MPN/100 ml	BDL (MDL 1.1)	Detectable in any 100 ml sample	10
	and the second second	e Al ^{ast} (a) **	****End of Report***	***	A Share and	and the second second	

Limit is specified as	IS 10500 2012
Abbreviation	MDL : Minimum detection limit, BDL ; Below detection limit,
Abbreviation	<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.
AT ANALY LINE BY	This report cannot be reproduced, except when in full, without the written permission of the CEO.
and the second se	The samples collected shall be destroyed after 7 days from the date of issue of the certificate unless specified otherwise
and the states	The liability of the laboratory is limited to the invoiced amount.
CARL ST LEVEL A	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	Sample Comply with prescribed limits



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YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

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Test Certificate

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	Min Alatia Charle Industrian Dut		Marine Children
CIRCENT . MORENT	M/s Aloke Steels Industries Pvt. Ranchi Road, Marar - 829117, Dis Jharkhand.	the second	MANDITAL ENGINEER
Sampling Date	Ranchi Road, Marar - 829117, Dis	the second	By YBAEEL Team

Test Results ***

SI	Location	Total Depth from the measuring point in meter	Static water level from measuring point in meter	Measuring point i.e. MP distance above ground level in meter	Water level below ground level
1	Near Occupational Health Center	30 GPA	5.5	0.91	4.59

1 Hr 1	
Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit,
Env. Condition of Lab	Laboratory is maintaining, Temperature 27 ± 2% 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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A STATEMENT AND A STATEMENT AN	This report cannot be reproduced, except when in full, without the written permission of the CEO.
A CONTRACTOR OF	The samples collected shall be destroyed after 15 days from the date of issue of the certificate unless specified otherwise
A Real and Description of the second	The liability of the laboratory is limited to the invoiced amount.
and the second second	All disputes are subjected to the Ranchi Jurisdiction.
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23 ⁰	Verified by	Antical & Environment	lśsu	ed by	- and a state
	Brij Nandan Kumar Section In-Charge	The state of the s		sh Das I Manager	
	Branch Office : - Jamshedpur	Ditanbad	Hazaribag	Pakur	
**** ISO 45001:2018	Main Office : Namkum I Ph : 098351-97960, 098357-86				ISO 90012015



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	a Lab Report) No.		T	C	4	0	3	2	2	2	0	0	0	0	0	7	1	6	F
Discipline	Chemical	Group		Water			Sar	mple	Des	crip	tion		0	roun	d Wa	ter	1	1	1
Report Rele	eport Release Date 03rd May, 2022						Re	port	ID				Y	YBAEEL-220423-182031 -GW01)1
W. Order/ J	SPCB App. No.	ASIPL/008/2022-23				Wo	rk C	rder	Dat	e		2	2.04.2	022				2.7	
Type of Ind	ustry(If any)	Sponge Iron Unit				Job	0 00	de/ R	ef. r	10.		Y	BAEE	L/WA	LICIA	Apr-2	2/09		
	M/s Aloke Steels Industr Budhakhap, Post - Karm Dist Ramgarh, Jharkha				118 C 188	1.11	met	•						*					
Sample Rec	ceived Date					2913	1	de o	fsar	nple	colle	ction	В	v Cu	stome	er		¢.	
		Dist Ramg				2913	Mo	_	f sar		colle	ction	-	y Cu: 20402		1111 Con 1111	1		
Sampling P	rotocol	Dist Ramg 28/04/2022				2913	Mo	nple		le		ction	2		28-GV	V-B01	1		-
Sample Rec Sampling P Sampling Lo Sample pkg	rotocol ocation	Dist Ramg 28/04/2022 N/A	arh, .	Jharki		2913	Mo Sar Sar	nple npli	Cod	le ourc	e	ction	2	20402	28-GV d Wat	V-B01	1		
Sampling P Sampling Lo Sample pkg	rotocol ocation	Dist Ramg 28/04/2022 N/A Borewell	arh, .	Jharki		2313	Mo Sar Sar Sar	nple npli	ng So Qua	le ourc	e	ction	2 G 3	20402 iroun	28-GV d Wat	V-B01 ter	1		

SI	Parameter	Test Method	Units	MU %	Results	Limits
1.	pH value	IS 3025 (P-11):2002	pН	1.77	7.41	6.5-8.5
2.	Colour	IS 3025 (P-04):1983	Hazen	4	5	5-15
3.	Conductivity	IS 3025 (P-14):2013	µs/cm	1.90	432.0	100
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 CaCO3)	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 NO3- (B) 23rdedition 2017	mg/l	11 33	BDL (MDL 0.01)	45-No relaxation
12.	Calcium (as Ca2+)	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 SO42-)	IS 3025 (P-24):2003	mg/l	5 42	15.0	200-400

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)

Poluston	1282
Verified by	Issued by
Brij Nandan Kumar	Umesh Das
Section In-Charge	Technical Manager
Authorized Signatory Chemical Section	Technical Manager Yugantar Bharati Analytical &



 Chemical Section
 Yugantar Bharati Analytical &

 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





YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

Accredited by: -Jharkhand State Pollution Control Board (JSPCB) Certified by : -An ISO 9001:2015 & ISO 45001:2018

Jest Certificate

Discipline C	chemical	Group	Water	Sample Description	n Ground Water
Report Release	e Date	03rd May, 2022	Charles -	Report ID	YBAEEL-220423-182031 -GW01
W. Order/ JSPC	CB App. No.	ASIPL/008/202	2-23	Work Order Date	22.04.2022
Type of Industr	ry(lf 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.		a constraint of the second
Sample Receiv	red Date	28/04/2022		Mode of sample co	llection By Customer
Sampling Proto	ocol	N/A		Sample Code	2204028-GW-B01
Sampling Loca	ition	Borewell	a list of	Sampling Source	Ground Water
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

Test Results

SI	Parameter	rameter Test Method		MU %	Results	Limits
1.	Odour	IS 3025 (P-05):2002	-	-	Agree.	Agreeable
2.	Taste	IS 3025 (P-07):2002	- 7	-	Agree.	Agreeable
3.	Cyanide(as CN)	IS 3025 (P-27)	mg/l	-	BDL (MDL 1.0)	0.05-No relaxation
4.	Phosphate (as PO43-)	IS 3025 (P-31):2003	mg/l	120	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.						
all all and a second	All disputes are subjected to the Ranchi Jurisdiction.						
Remarks	Sample complies with prescribed limits.						

Tested By

- Shivani Kumari Singh (Lab Analyst)

	Br 375/20	- marker		2-318 22
and the second	Verified by Brij Nandan Kumar		100	Issued by Umesh Das
	Section In-Charge	*		chnical Manager
E	Authorized Signa Chemical Secti Yugantar Bharati Ana wironmental Engineering	ion lytical &	Yugantar Bh	c al Manager Iarati Analytical & ngineering Laboratory
E		Dhanbad	Hazaribag	Pakur



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

ULR (Unique L	ab Report) No.	a land	T	C	4	0	3	2	2	2	10	T	0	0	10	0	7	11	2	E		
Discipline	Chemical	Group		Wate	r		T	Samp	le De	scrip	tion		• 1	R	Residue & Contaminants in Wate							
Report Relea	se Date	03rd May, 2022					-	Report ID							YBAEEL-220423-182031 -GW01							
W. Order/ JSI	PCB App. No.	ASIPL/008/202	2-23				-	Work Order Date						-	22.04.2022							
Type of Indus	stry(If any)	Sponge Iron U	nit	-	-			Job code/ Ref. no.						Y	YBAEEL/WA/L/R/Apr-22/04							
Report Issue Sample Recei	- and	M/s Aloke S Budhakhap, Dist Ramg 28/04/2022	Post	- Kar	ma - 1	82913	37,			aC.	144	b		1-	CUL28	•		JA)	jil.	<u>j</u> w		
			12	_			1	Mode of sample collection						By Customer								
Sampling Pro		N/A	_		_		5	Sample Code						2204028-GW-B01								
Sampling Loc	cation	Borewell			1.11			Sampl	ing S	ourc	e			G	Ground Water							
Sample pkg.	Condition	Sealed Pack i	n PP	Bottle			5	Sampl	e Qua	antity	/	-		3000 ml								
Meteorologica	al Cond. of Field	W.C N/A				100	-	RH %					10	T	emp.	- N/A	1000			-		
inettertregiet							-	Constant Pro-						1.00								

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

	Lind 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).
nv. Condition of Lab pecific contractual otes	All values are expressed in as unit and results listed refer only to the tested sample and applicable parameter in Lab's Permanent Exclision
	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

Control Board

Shivani Kumari Singh (Lab Analyst)

000	3705	-	315122
Verified by Brij Nandan Ku Section In-Cha	2.1 MT / 2	Tec	Issued by Umesh Das chnical Manager
Chemica Yugantar Bha	d Signatory al Section rati Analytical & ineering Laboratory	Technical Yugantar Bhara Environmental Engi	ati Analytical &
Branch Office : - Jamshedr	Dhanbad	Hazaribag	Pakur

): ISO 9001:2015

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



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ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

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Test Certificate

Discipline	Chemical	Group	Water	Sample Descripti	on	Residue & Cont	aminants in Water
Report Rele	ase Date	03rd May, 2022	all see	Report ID			3-182031 -GW01
W. Order/ JS	SPCB App. No.	ASIPL/008/202	2-23	Work Order Date		22.04.2022	
Type of Indu	ustry(if any)	Sponge Iron U	nit	Job code/ Ref. no).	YBAEEL/WA/L/	R/Apr-22/04
Report Issu	e to	Budhakhap,	teels Industries Privat Post - Karma - 82913 Jarh, Jharkhand.			CIRCUPACION OF	. and the
Sample Rec	eived Date	28/04/2022	- 1. 19 M	Mode of sample of	ollection	By Customer	(A)
Sampling Pr	rotocol	N/A	0	Sample Code		2204028-GW-E	301
Sampling Lo	ocation	Borewell	all and	Sampling Source	5	Ground Water	
Sample pkg	. Condition	Sealed Pack i	in PP Bottle	Sample Quantity		3000 ml	
Meteorologi	cal Cond. of Field	W.C N/A	June -	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 ******

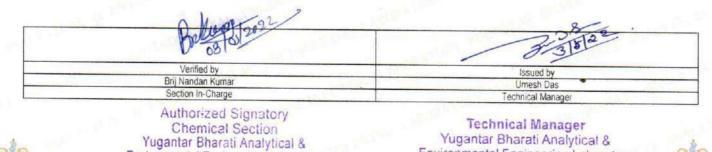
SI Par	ameter	Test Method	Units	MU %	Results	Limits			
. Alu	minium (as Al)	IS 3025 (P-55):2003	mg/l		BDL (MDL 0.02)	0.03-0.2			

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				
otes	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)

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



Environmental Engineering Laboratory



ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

 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	e Lab Report) No.	and a state of the	T	C	4	0	3	2	2	2	T	0	0	10	0	0	17	1	1	0	E		
Discipline	Biological	Group		Wat	er		-	Sample Description							Ground Water								
Report Release Date 03rd May, 2022			1	21-		-	-	ort II				-	YBAEEL-220423-182031-GW01										
W. Order/ J	SPCB App. No.	ASIPL/008/2022-23				1	Work Order Date						22.04.2022										
Type of Ind	ustry(If any)	Sponge Iron Ur	Sponge Iron Unit					Job code/ Ref. no.						YBAEEL/WA/L/M/Apr-22/04									
Report Issu		M/s Aloke St Budhakhap, Dist Ramg	Post	- Karı	ma - 8	82913	7,			-11	1	1	N	rin a	a.C3**				. 1	s.C			
Sample Rec		28/04/2022	1			N	lode	de of sample collection					4	By Customer									
Sampling P	rotocol	N/A				S	amp	ple Code						2204028-GW-B01							1		
Sampling L	ocation	Bore well		100	1	S	amp	ling	Sour	ce				Ground Water									
	Condition	Saalad Dack	and the second state of th			S	amp	le Qu	antit	v				250ml									
Sample pkg	. Condition	Sealed Fack I						- N/A						Temp N/A									
Sample pkg	ical Cond. of Field	W.C N/A				RH	% -	N/A		-				Te	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 mi samole

	******End of Report ******
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 notes	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.
	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
	All disputes are subjected to the Ranchi Junsdiction.
Remarks	Sample complies with prescribed limit.

Tested By

- Madhuri Sinha (Lab Analyst)

Venfied by Mukesh Kumar					
				Issued by Jmesh Das	
-	Section In-Charge			Technical Manager	
Authorized Signatory Microbiological Section Yugantar Bharati Analytical & Environmental Engineering Laboratory			Yuoantar	nical Manager Bharati Analytical & al Engineering Labor	
Branch Office : - Jamshedpur Dhanbad		Hazaribag	Pakur		



ISO 4

YUGANTAR BHARATI

ANALYTICAL & ENVIRONMENTAL ENGINEERING LABORATORY

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	Report ID	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.		and the second second
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 *****

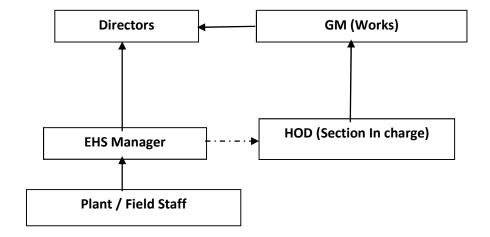
SI	Location	Ground Water Level (mbgl)	
1.	Near Occupational Health Center	8.6	

Abbreviation	MDL : Minimum detection limit, BDL : Below detection limit, MBGL : Meter below ground level.
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.
100	All disputes are subjected to the Ranchi Jurisdiction.
Remarks	

		Brent 2002	and the		03/5/22
Verified by Brij Nandan Kumar Section In-Charge				Issued by Umesh Das Technical Manager	
Er	Yug	Authorized Signat Chemical Sectio Jantar Bharati Analy Imental Enginiting L	n tical &	Technica Yugantar Bhar	I Manager rati Analytical & ineering Laboratory
Branch Office	÷	Jamshedpur	Dhanbad	Hazaribag	Pakur

Annexure - 5

Organization of Environment Management Cell



Aloke Steels Industries Private Limited

OC

REGD OFFICE

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

WORKS :

15/11/2021

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

RKHAN

Ref. No.....

ASIPL/64/2021-22

To,

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

- Sub:-Regarding compliance for the period April, 2021 to September, 2021 to the conditions of Environment Clearance for Expansion of existing 1,20,000 TPA Sponge Iron Plant by installation of new facilities for production of Steel Melting Shop for 1,08,000 TPA of Billets, Rolling mill (90,000 TPA), Iron Ore crushing & Beneficiation plant (2,70,000 TPA), Slag Crushing Plant (16,200 TPA), Captive Power Plant 18 MW (4X2 MW WHRB : 1X10 MW AFBC) and Briquetting unit for Iron ore fines (40,100 TPA).
- Ref: -1) Environment Clearance Letter No.F.NO.J-11011/205/2016-IA.II(I) dt-23.07.2018 2) MoEF&CC R.O, Ranchi letter no. 103-517/ROR-2016/4764 dated 26/07/2021.

Dear Sir,

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

ud 5

calding.

* MIO

Hope you will find this in order and oblige.

Thanking you.

Yours faithfully

For Aloke Steels Industries Pvt. Ltd.

Authorized Signatory

Enclosures: Compliance status Report.

Cc to:-

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

RL. RANGARH CANTT H. MIRC PIN: 825301, Haza From: ALDKE STEEL Ant: 62.00 (Cash) (Track on www.inclapost.gov.in) (Dial 18002666868) Amear Masks, Stay

भारतीय डाक RE RAMBARH CANTT H.O KE Counter No:2,16/(1/29 PIN:700107, Macardana SD (Track on www.indiapost.gov.in)



Jharkhand <jam.env2018@gmail.com>

Thu. Nov 18, 2021 at 12:13 PM

Regarding compliance for the period April, 2021 to September, 2021 to the conditions of Environment Clearance for Expansion of existing 1,20,000 TPA Sponge Iron Plant by installation of new facilities for production of Steel Melting Shop for 1,08,000 TPA of Billets, Rolling mill (90,000 TPA), Iron Ore crushing & Beneficiation plant (2,70,000TPA), 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> To: ro.ranchi-mef@gov.in Cc: zokolkatta.cpcb@nic.in, ranchijspcb@gmail.com, jspcb_hazaribagh@rediffmail.com Bcc: Jharkhand <jam.env2018@gmail.com>

15/11/2021

ASIPL/64/ 2021-22 To, The Additional Principal Chief Conservator of Forests (C), Ministry of Environment, Forest & Climate Change, Integrated Regional Office (Eastern Central Zone), Bungalow No. A-2, Shyamli colony, Ranchi- 834002 (Jharkhand)

Sub:- Regarding compliance for the period April, 2021 to September, 2021 to the conditions of Environment Clearance for Expansion of existing 1,20,000 TPA Sponge Iron Plant by installation of new facilities for production of Steel Melting Shop for 1,08,000 TPA of Billets, Rolling mill (90,000 TPA), Iron Ore crushing & Beneficiation plant (2,70,000TPA), 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: - 1) Environment Clearance Letter No. F. NO. J-11011/205/2016-IA.II (I) Dated- 23rd July, 2018. 2) MoEF&CC R.O, Ranchi letter no. 103-517/ROR-2016/4764 dated 26/07/2021.

Dear Sir,

In reference to the above subject matter & reference letters, the point wise Half Yearly compliance status for the period of April, 2021 to September, 2021 & MoEF&CC letter reply are 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

Enclosures: Compliance status Report.

Cc to:-

1) The Zonal office Incharge, Central Pollution Control Board, Southernd Conclave, Block 502, 5th & 6th Floors, 1582 Rajdanga Main Road, Kolkata - 700 107 (W. B.).

2) The Member Secretary, Jharkhand State Pollution Control Board, T.A. Division Building (Ground Floor), HEC Campus, P.O. Dhurwa, Ranchi - 834004, Jharkhand.

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

ASIPL - EC Compliance - April 21 to Sep -2021.pdf 6654K

Ałoke Steels Industries Private Limited

OC

REGD OFFICE

: 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)

CIN Email

Ref. No.....

ASIPL/046/202-22

Date.....

भारतीय डाक

21/09/2020

EX831594875IN IVR:6974831594875 SP RAMGARH S.D (RAMGARH) <829122

Counter No:1,23/09/2021,11:44 To:THE RESIONAL OFFICER,HAZARIBAG

PIN:825301, Hazaribagh HD

From: ALOK STEEL , MARAR

Amt:41.30(Cash)Tax:6.30 (Track on www.indiapost.gov.in)

(Dial 18002666868) (Wear Masks, Stay Safe)

Wt:20oos

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

Sub: Submission of Environmental Statement Report from the period of April 2020 to March 2021 for our Coal based Sponge Iron.

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

Dear Sir,

With reference to the above, we are enclosing herewith the Environmental Statement Report

for the period from April 2020 to March 2021 of our Sponge Iron.

Please find above in order and do the needful.

Thanking you,

Yours faithfully, For ALOKE STEELS INDUSTRIES PVT.LTD.

09/2021

Manoj Kumar Manager (Environment)

Encl: As above.

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



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

FORM - V

PART – A

1.	Name and address of the Owner / Occupier of the Industry operation or process	Aloke Steels Industries Pvt. Ltd. Occupier name – Kamendra Mishra Village – Budhakhap, P.O. – Digwar, Dist. – Ramgarh, Jharkhand – 829137	. /
2.	Industry Category Primary (S.T.C. Code) Secondary (S.T.C. Code)	Red Category	÷
3.	Production Capacity	Sponge Iron – 400 TPD	
4.	Year of Establishment	06.05.2004	
5.	Date of the last Environmental Statement Submitted	18/09/2020	

<u>PART – B</u>

WATER AND RAW MATERIAL CONSUMPTION

:

(I) <u>Water consumption in m3/day</u>:

Process & Cooling :

Domestic

7.06 m3/day

228.20 m3/day

	Process Water Consumption	n per Unit of Product Output	
Name of Product	During Previous Financial Year (2019-20)	During Current Financial Year (2020-21)	
Sponge Iron	1.08	0.92	

UD

(II) RAW MATERIAL CONSUMPTION:

Name of Raw Material	Name of Product	Consumption of Raw Out	Material Per Unit of tput	
	13	During Current Financial Year (2019-20)	1	
Iron ore		1.90	1.58	
Iron Ore Pellet	Sponge Iron	0.26	0.69	
Dolomite		0.03	0.03	
Coal		0.98	1.66 ~	

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

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

(IV) TOTAL PRODUCTION (MT):

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

<u>PART – C</u>

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 onlineThe waste v	ZLD), the web camera an monitoring facilities.	In compliance to Zero Liquid d flow meter are also installed office toilet and mess has been pits.
(b) Air	installed wiContinuous	th web connectivity with	ing system of PM & SO2 are CPCB & SPCB. onitoring System (CAAQMS)

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<u>PART – D</u>

HAZARDOUS WASTE

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

Hazardous	Total Quantity (Ltrs.)		
Waste	During Current Financial Year (2019-20)	During Current Financial Year (2020-21)	
a)From Process	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.	Used gear oil and lubricant are stored in drum and used in different Chain Drive within plant campus.	
	Hazardous waste authorization application has been applied before JSPCB vide application no. 8150679 dated 30/05/2020.	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	

<u>PART – E</u> SOLID WASTE

		Total Quantity (MT)			
		During Previous Financial Year (2019-20)	During Current Financial Year (2020-21)		
(a)	From Process				
	1) Dolachar (Coal Chai)	65430.00	81210.00		
	2) Other waste	72975.09	11720.20		
(b)	Quantity recycled or re- utilized within the unit				
	1) Sold	71859.85	30661.510		
	2) Dispose	Nil	Nil		

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<u> PART – F</u>

<u>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.</u>

- 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.

$\underline{PART - H}$

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.

<u> PART – I</u>

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.

