

Report No.: ENV/SCFL/ML/24-25/AA-03
Date : 08/07/2024

Order No.: SCFL/HR/2023-24/13
Date : 30/01/2024

Report Issued To : **SHYAM CENTURY FERROUS LIMITED**
EPIP, Rajabagan, Byrnihat, Meghalaya- 793101

AMBIENT AIR QUALITY TEST RESULTS

Sl. No.	LOCATION(S) ↓	Date of Sampling	PM 2.5 (µg/m ³)	PM 10 (µg/m ³)	SO ₂ (µg/m ³)	NO ₂ (µg/m ³)
	LIMIT(S) →	---	60	100	80	80
01	Near Administrative Building	27.06.2024	25.6	54.8	10.7	15.2
02	Near DM Plant	27.06.2024	21.9	51.2	9.2	13.5

Analysis Protocol: IS 5182


Date:

Checked By: Mr. Pankaj Baroi, ENVIROCON

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2. Results refer only to the particular parameters tested.
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Report No.: ENV/SCFL/ML/24-25/FE-03

Date : 08/07/2024

Order No.: SCFL/HR/2023-24/13

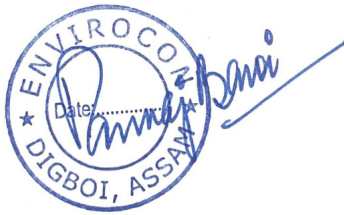
Date : 30/01/2024

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PROCESS FUGITIVE EMISSION TEST RESULTS

Sl. No.	Locations	Date of Sampling	SPM ($\mu\text{g}/\text{m}^3$)	Limits ($\mu\text{g}/\text{m}^3$)
01	Near CPP Area	28.06.2024	548	2000
02	Near Ferro-Alloy Furnace Area	28.06.2024	689	2000

Analysis Protocol: IS 5182



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Core Services: Environmental Monitoring & Data Generation, EIA & EMP, Environmental Audit & Allied Environmental Management jobs
Associate Services: Certification by Competent Person (CIF), NDT, Hydraulic Testing, Chartered Engineer Services etc.

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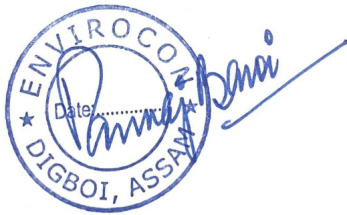
Date : 30/01/2024

Report Issued To : **SHYAM CENTURY FERROUS LIMITED**
EPIP, Rajabagan, Byrnihat, Meghalaya- 793101

AMBIENT NOISE LEVEL MEASUREMENT RESULTS

Sl. No.	Location(s)	Date	Day Time			Night Time		
			Max. (dB-A)	Min. (dB-A)	Leq (dB-A)	Max. (dB-A)	Min. (dB-A)	Leq (dB-A)
1	Near Ferro-Alloy Furnace Area	27.06.2024	74	63	69	65	52	56
2	Near Weigh Bridge	27.06.2024	68	53	63	56	42	47
3	Near CPP Tower	27.06.2024	66	52	61	60	45	53

Limit: Day Time- 75 dB(A), Night Time- 70 dB(A)



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Report Issued To : **SHYAM CENTURY FERROUS LIMITED**
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STACK EMISSION TEST RESULTS

Sample No.	SCFL/2024/SE-06/01				
Date of Sampling	27.06.2024				
Sample Collected From	Stack Attached To Ferro-Alloy Stack				
PHYSICAL INSPECTION REPORT OF THE STACK					
Material of Construction	M. S.				
Height of the Stack (Meter)	40 (approx.)				
Stack Diameter at Sampling Point (Meter)	1.8 (approx.)				
Fuel Used	Not Applicable				
RESULTS OF STACK MONITORING					
Sl. No.	Parameter(s)	Unit(s)	Result(s)	Limit(s)	Analysis Protocol(s)
1.	Flue Gas Temperature	°C	148	--	IS 11255; Part 3
2.	Flue Gas Velocity	m/sec	9.2	--	IS 11255; Part 3
3.	Flow Rate	Nm ³ /hr	59664	--	IS 11255; Part 3
4.	Particulate Matter	mg/Nm ³	26	50	IS 11255; Part 1
5.	Oxides of Sulphur (as SO ₂)	ppm	2	--	Electrochemical Sensor
6.	Oxides of Nitrogen (as NO _x)	ppm	79	--	Electrochemical Sensor



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Report No.: ENV/SCFL/ML/24-25/WW-03

Date : 08/07/2024

Order No.: SCFL/HR/2023-24/13

Date : 30/01/2024

Report Issued To : **SHYAM CENTURY FERROUS LIMITED**
EPIP, Rajabagan, Byrnihat, Meghalaya- 793101**STP WATER ANALYSIS RESULTS**

Sample Ref. No. : SCFL/2024/STP-2806/01

Sample Source : STP Outlet (SCFL)

Sample Type : STP Treated Water

Collected On : 28-06-2024

Received On : 29-06-2024

Collected By : ENVIROCON Representative

Sl. No.	Parameters	Results	Limit [G.S.R. 1265 (E), 2017]
1	pH	7.36	6.5 – 9.0
2	Biochemical Oxygen Demand (as BOD), mg/l	21	30
3	Total Suspended Solids (as TSS), mg/l	26	<100
4	Fecal Coliform (as FC), MPN/100 ml	726	<1000

Analysis Protocol: IS 3025

MPN: Most Probable Number



Checked By: Mr. Pankaj Baroi, ENVIROCON

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SURFACE WATER ANALYSIS RESULTS

Sample Ref. No. : SCFL/2024/SW-2806/01

Sample Source : Ummatur River

Sample Type : Surface Water

Collected On : 28-06-2024

Received On : 29-06-2024

Collected By : ENVIROCON Representative

Sl. No.	Parameters	Results	Acceptable Limit*	Permissible Limit* in the Absence of Alternate Source
1.	Colour, Hazen Units, Max.	12	5	15
2.	Odour	Agreeable	Agreeable	Agreeable
3.	Temperature	26.2	--	--
4.	pH Value	6.72	6.5 - 8.5	No Relaxation
5.	Suspended Solids	57	--	--
6.	Total Dissolved Solids, mg/l, Max.	84	500	2000
7.	Conductivity, μ S/cm	159	--	--
8.	Dissolved Oxygen, mg/l, Min.	5.9	--	--
9.	Biochemical Oxygen Demand, mg/l, Max.	<1.0	--	--
10.	Chemical Oxygen Demand, mg/l, Max.	21	--	--
11.	Oil and Grease, mg/l, Max.	<4.0	--	--
12.	Residual Chlorine, mg/l, Min.	<0.01	0.2	1
13.	Total Hardness (as CaCO ₃), mg/l, Max.	6.2	200	600
14.	Calcium (as Ca), mg/l, Max.	5	75	200
15.	Magnesium (as Mg), mg/l, Max.	<1.0	30	100
16.	Iron (as Fe), mg/l, Max.	<0.001	0.3	No Relaxation
17.	Total Chromium, (as Cr), mg/l, Max	<0.001	0.05	No Relaxation
18.	Ammonical Nitrogen (as N), mg/l, Max.	<0.1	--	--
19.	Total Kjeldahl Nitrogen (as NH ₃), mg/l, Max.	<0.1	--	--
20.	Free Ammonia (as NH ₃), mg/l, Max.	<0.01	--	--

*Limits as per IS 10500:2012

Analysis Protocol: IS 3025



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