

Shyam Century Ferrous Ltd.

Regd. Office : Vill. : Lumshnong, PO : Khaliéhriat, Dist. East Jaintia Hills, Meghalaya – 793210, Phone No : 03655-278215/16/18,
Fax : 03655-278217, E-mail ID : investors@shyamcenturyferrous.com, Website : www.shyamcenturyferrous.com
CIN : L27310ML2011PLC008578

Ref:HR/SCF/HR/MSPCB/2024-25/1

Dated:: 12 April 2024

The Member Secretary
Meghalaya State Pollution Control Board
ARDEN Lumpyngngad,
Shillong-793014

Dear Sir,

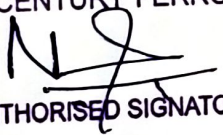
Sub-Environmental Statement for the financial year ending 31st March 2024

The Environmental Statement along with Form -3, 4 , Form-V and Form-10 for the financial year ending 31st March 2024 is enclosed for your kind perusal.

Thanking you

Yours sincerely

SHYAM CENTURY FERROUS LTD.

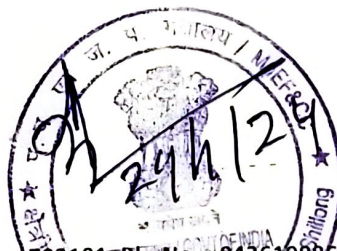

AUTHORISED SIGNATORY

Authorized Signatory

Enclosed as above

Cc to : Additional Director, CPCB, North Eastern Zonal Office, Shillong

: H. Tynsong, Scientist-D, Ministry of Environment, Forest and Climate Change, Law-U-
Sib, Lumbatngen, Shillong



Office & Works : EPIP, Rajabagan, Dyrnihat, Meghalaya - 793101, Ph. No. : 9436108851

Corporate Office : Satyam Towers, 3 Alipore Road, 1st Floor, Unit No. 9B, Kolkata – 700 027, Ph. No. : 033 2448 4169/170/693, Fax : 033 2448 4168

Guwahati Office : C/o Cement Manufacturing Co. Ltd., Mayur Garden, 2nd Floor, Opp. Rajiv Bhawan, G.S. Road, Guwahati - 781005

Ph. No. : 0361 24612215/16/17, Fax : 0361 2462217

AN ISO 9001 Certified Company

(FORM – V)

(See rule 14)

Environmental Statement for the financial year ending the 31st March, 2024.

PART – A


1. Name and address of the owner/occupier of the industry operation or process :
Shyam Century Ferrous Ltd
Owner: Sri. Sajjan Bhajanka
6 Lyons Range, 1st Floor
Kolkata – 700001
2. Industry category: Large Scale.
3. Production Capacity: Ferro Silicon 21600 MTPA (After Expansion of one - 9 MVA Furnace)
4. Year of establishment: 2001.
5. Date of the last environmental statement submitted: 2nd June, 2023.

Part – B

Water and Raw Material Consumption.

1. **Water consumption m³/d**
Process: None.
Cooling: 153.28 kl/day for 24 hrs. running.
Domestic: 41.69 kl/day.

SHYAM CENTURY FERROUS LTD.


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PART – B**2. Raw Material consumption**

Name of Raw material	Name of product	Consumption of Raw Material per MT of Alloy			
		2020-21	2021-22	2022-23	2023-24
Quartz	Ferro Silicon	1.947	1.811	1.966	1.926
Charcoal (Tamil Nadu)	Ferro Silicon	0.025	0.145	0.106	0.087
Lam Coke	Ferro Silicon	0.135	0.287	0.233	0.857
Mill Scale	Ferro Silicon	0.395	0.408	0.382	0.392
Fire wood	Ferro Silicon	Nil	Nil	0.021	NIL
Wood Blocks	Ferro Silicon	0.316	0.320	0.286	0.429

PART – C**Pollution Discharged to Environment/unit of output**

Pollutants	Quantity of pollutants Discharged mass/MT	Concentration of pollutants in discharges	Percentage of variation from prescribed Standards with reason
Water	No effluent Discharge	Not Applicable	-----
Air	50mg per nm ³	FeSi : SiO ₂ 85%,SO ₂ 3%	-----

PART – D**HAZARDOUS WASTES**

Hazardous Wastes	Total Quantity (Ltrs)		
	2021-22	2022-23	2023-24
From Process (Waste Oil)	8 Drums-1520 ltrs	6Drums-1220 ltrs	10Drums-1875lts
From Pollution Control Facilities	-----	-----	-----

**PART – E
SOLID WASTES**

	Total Quantity (MT)		
	2021-22	2022-23	2023-24
a) From Process (Slag)	608	708	772.34
b) From Pollution Facilities
c) Quantity Re-cycled or re-utilised within the unit	530	639	873
Sold
Disposed	NIL	NIL	Nil
d) Fly Ash (Despatched/Sold)			(sold to different party across India) (Captive Power Plant is Shut Down since 26 Nov,2018)

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PART - F

Ferrous Silicon Slag produced, during production of Ferro Silicon is 58.52 kg per MT of Alloy. Ferrous Silicon slag having sale value in the market, so segregated as per requirement and sold.

COMPOSITION:

Ferrous Silicate Slag: SiO₂.54%

PART - G

Towards pollution abatement an efficient pollution control unit has been installed.

Cost factor of running the pollution control unit per MT of finished product works out to Rs. 900/-

PART - H

Smooth operation of submerged arc furnaces are dependent on un-interrupted quality power supply round the clock, in turn which ensures minimum gas evolution hence no pollution. Due to interruptions sometimes furnace become wild which results in more of gas evolution. To come out of this situation, stable electrical power supply has to be ensured.

Adequate green cover is maintained to achieve a balance in oxygen & carbon-di-oxide level in the air.

PART - I

Measures taken-up to maintain proper working environment:

1. Adequate green cover is maintained.
2. Filtering facilities have been installed, to provide potable drinking water to personnel.
3. Employees are covered under ESI Scheme and are getting medical checkup regularly.
4. First Aid Box and proper safety gears such as nose-mask, goggles, hand gloves and helmets are made available to employees.
5. We have provided the plastic drums by marking Bio-Degradable & Non-Biodegradable to through the wastages separately.
6. We have installed STP for treatment of domestic waste from the colony.
7. Water sprinkling system developed in an entire the plant for dust suppression.
8. Water conservation and management : Monitor water usage within the factory and implement measures to reduce consumption. Install water efficient fixtures, fix leaks promptly, and recycle or treat wastewater to reduce the strain on freshwater sources.
9. Water harvesting structures has been made behind our administrative office connected with roof tops of sheds and office buildings
10. Online Continuous emission Monitoring System has been installed in the Ferro Alloys Stack on 8.04.2024

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Form – 4
[See rule 9(2)]

Form For Filing Returns Regarding Handling Of Hazardous Wastes
[to be submitted to the State Pollution Control Board/Committee
by 31st January of every year]

1. Name and address of the Occupier/Operator of Facility: Mrs. Plistina Dkhar.
2. Categories of wastes generated and quantity (in metric tonnes): Used Oil
3. Details of waste treatment operations: NA
4. Details of waste disposal operations: NA

S.No	Description of Hazardous Waste								
	Date of issuance of authorisation for the disposal of hazardous waste and its reference number	Physical form and contents	Chemical	Total Volume of the hazardous waste disposed with no of packages	Mode of transportant on to the site of disposal	Site of disposal (attach a sketch showing the location(s))	Brief description of the method of disposal	Date of dispossl	Rearks (if any)
1	2	3	4	5	6	7	8	9	10
	6 th January, 2012 MPCB/IB-HSM/ ATH- 22/207/2011- 2012/5-A	Used Oil	-----	10drums	By trucks (DI)	---	Sold	14.03.2024	1875 Lts

5.Details of environmental surveillance:

Date of other Measurement details)	Analysis of ground water samples			Analysis of soil samples			Analysis of air Sampling		Analysis of any Samples(give
	Location of Sampling	Depth of Sampling	Data	Location of Sampling	Depth of Sampling	Data	Location of Sampling	Data	
NA	NIL			NIL					
							NO2 SO2		
							Near DM	14.9 11.8	
							Adm Bld	15.8 12.6	
							Date of Sampling-27.12.2023		

Place: Byrnihat
Date : 12.04.2024

Signature :
Designation: GM-HR

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Form-3
[see Rule 9(1)]

Format for maintaining records of hazardous wastes at the facility:

1. Name and address of the occupier or operation of a facility: Mrs Plistina Dkhar
2. Date of issuance of authorisation and its reference number: 6th January, 2012
MPCB/IB-HSM/ATH-22/207/2011-2012/5-A

3. Description of hazardous waste:

Physical form with description	Chemical form	Total volume and weight(in kl.)
Used Oil	-----	10 drums (1875 Ltrs)

4. Description of storage and treatment of hazardous waste:

Date	Method of Storage of hazardous waste	Date	Method of treatment of hazardous waste
			NA

NA

5. Details of transportation of hazardous waste: NA

Name and address of the consignee of package	Mode of packing/of the waste for transportation	Mode of transportation to site of disposal	Date of transportation
Modern Lube Industries A.K. Azad Road, Barshapara Guwahati, 781034	drum	by truck-DI	14.03.2024

6. Details of disposal of hazardous waste :

Date of disposal	Concentration of hazardous material in the final waste form	site of disposal (identify the location on the relevant layout drawing for reference)	Method of disposal	Persons involved in disposal
		NA		

NA

7. Data on environmental surveillance: NA

Date of measure ment	Analysis of ground water			Analysis of soil samples			Analysis of air sampling			Analysis of any other samples (give details)
	Location Of sampling	Depth of samp-ling	Data	Location of sampling	Depth of sampl-ing	Data	Location of sampling	Data		

NA

- [8. Details of the hazardous wastes reused and recycled : NA

Date	Total quantity of hazardous waste generated	Details of hazardous waste minimisation activity	Material received	Final quantity of waste generated	Net reduction in waste generation quantity and percentage

NA

[Place :Byrnihat
Date :12.04.2024

Signature :
Designation: GM-HR
SHYAM CENTURY FERROUS LTD.


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Form – 10

[See rule 20 (5)]

Form for Filling Returns of Auction/ Sale of Non-Ferrous Metal Wastes/
Used Oil/Waste Oil *

[To be submitted by waste generators/ auctioneers to the concerned State Pollution Control
Board / Committee by 31st January of every year]

1.	Name and address of the waste generator/ auctioneer	Shyam Century Ferrous Ltd. EPIP, Byrnihat, Meghalaya
2.	Total quantity of wastes auctioned/ sold during the period 2023-24	Used Oil -10 drums = 1875 ltrs Modern Lube Industries A.K. Azad Road, Barxhapara, Ghy-34

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*delete whichever is not applicable

Signature:

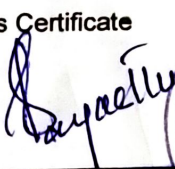



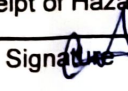
Designation:..GM-HR.....


AUTHORISED SIGNATORY

Place :.Byrnihat.....

Date :.12.04.2023.....

FORM 10
[See rule 19 (1)]
MANIFEST FOR HAZARDOUS AND OTHER WASTE

1	Sender's Name and Mailing Address (Including Phone No. and Email)																				
2	Sender's Authorisation No.																				
3	Manifest Document No.	M/NO - 264																			
4	Transporter's Name and Address (Including Phone No. and Email)	MODERN LUBE INDUSTRIES A.K. AZAD ROAD, BEHIND BAJRANGISPAT, BARSAPARA INDUSTRIAL ROAD GUWAHATI-781034, Cell:98540-38324, Email: modernlube@yahoo.in																			
5	Type of Vehicle	(Truck/Tanker/Special Vehicle)																			
6	Transporter's Registration No.	WB/OTWA/HW-108/09-10/140																			
7	Vehicle Registration No.	AS-01-PE-8435																			
8	Receiver's Name and Address (Including Phone No. and Email)	MODERN LUBE INDUSTRIES A.K. AZAD ROAD, BEHIND BAJRANGISPAT, BARSAPARA INDUSTRIAL ROAD GUWAHATI-781034, Cell:98540-38324, Email: modernlube@yahoo.in																			
9	Receiver's Authorisation No.	WB/OTWA/HW/108/09-10/140																			
10	Waste Description	waste oil																			
11	Total Quantity	1875 Ltr																			
	No. of Containers m3 or MT Nos																			
12	Physical form	(Solid/Semi - Solid/Sludge/Oily/Tarry/Slurry/Liquid)																			
13	Special Handling Instructions and Additional Information	P.P.E. Used.																			
14	Sender's Certificate	  <p>I hereby declare that the contents of the consignment are fully and accurately described above by proper shipping name and are categorised, packed, marked, and labelled, and are in all respects in proper conditions for transport by road according to applicable National Government regulations</p>																			
	Name and Stamp:	<div style="display: flex; justify-content: space-between;"> <div>  </div> <div> <div style="display: flex; justify-content: space-between;"> <div>Month</div> <div>Day</div> <div>Year</div> </div> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>3</td><td>/</td><td>1</td><td>4</td><td>/</td><td>2</td><td>0</td><td>2</td><td>4</td> </tr> </table> </div> </div>										0	3	/	1	4	/	2	0	2	4
0	3	/	1	4	/	2	0	2	4												
	Transporter's Acknowledgement of receipt of Wastes																				
15	Name and Stamp:	<div style="display: flex; justify-content: space-between;"> <div>  </div> <div> <div style="display: flex; justify-content: space-between;"> <div>Month</div> <div>Day</div> <div>Year</div> </div> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>3</td><td>/</td><td>1</td><td>4</td><td>/</td><td>2</td><td>0</td><td>2</td><td>4</td> </tr> </table> </div> </div>										0	3	/	1	4	/	2	0	2	4
0	3	/	1	4	/	2	0	2	4												
	Receiver's Certification for Receipt of Hazardous and other waste																				
16	Name and Stamp:	<div style="display: flex; justify-content: space-between;"> <div>  </div> <div> <div style="display: flex; justify-content: space-between;"> <div>Month</div> <div>Day</div> <div>Year</div> </div> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>0</td><td>3</td><td>/</td><td>1</td><td>4</td><td>/</td><td>2</td><td>0</td><td>2</td><td>4</td> </tr> </table> </div> </div>										0	3	/	1	4	/	2	0	2	4
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