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Tuesday, the 3rd September, 2024

To,
The General Manager,
Department of Corporate Services,
BSE Limited
Phiroze Jeejeebhoy Towers,
Dalal Street, **Mumbai – 400001**

SUNFLAG IRON & STEEL CO. LTD.

REGD. OFFICE :
33/1, MOUNT ROAD, SADAR, NAGPUR - 440 001, MH, (INDIA)
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E-Mail : admin@sunflagsteel.com
Website : www.sunflagsteel.com
CIN: L27100MH1984PLC034003

To,
The Manager, Listing Department,
National Stock Exchange of India Ltd.,
“Exchange Plaza”, C - 1, Block - G,
Bandra – Kurla Complex, Bandra (East),
Mumbai – 400001

Sub: Business Responsibility and Sustainability Report for the Financial Year 2023-24.

Ref: Sunflag Iron and Steel Company Limited —BSE Scrip Code: 500404 / NSE Scrip Symbol: SUNFLAG

Dear Sir/Madam,

Pursuant to Regulation 34(2)(f) of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 (as amended), we are submitting herewith the Business Responsibility and Sustainability Report (BRSR) for FY 2023-24. The BRSR forms an integral part of the 38th Annual Report of the Company.

The Annual Report for the Financial Year 2023-24 containing BRSR is also available on the website of the Company at the link: <https://sunflagsteel.com/wp-content/uploads/2024/09/38th-Annual-Report-2023-24.pdf>

This is for your kind information and record.

For Sunflag Iron and Steel Company Limited

CS Ashutosh Mishra
Head Company Secretary & Compliance Officer
Membership No. ACS – 23011
33/1, Mount Road, Sadar, Nagpur-440001
Email: avm@sunflagsteel.com
Phone No. 0712 – 2524661 (311)

Encl: As above.

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BUSINESS RESPONSIBILITY AND SUSTAINABILITY REPORT- (2023-24)

The Business Responsibility and Sustainability Report (BRSR) is one of the avenues to communicate the Company's obligations and performance to all its stakeholders.

The Business Responsibility and Sustainability Report of the Company describes the initiatives taken by the Company from an environmental, social and governance perspective.

SECTION A: GENERAL DISCLOSURE**I. DETAILS OF LISTED ENTITY:**

1	Corporate Identity Number (CIN) of the Company	L27100MH1984PLC034003
2	Name of the Company	Sunflag Iron and Steel Company Limited
3	Year of Incorporation	1984
4	Registered Office address	33/1, Mount Road, Sadar, Nagpur – 440001, Maharashtra, IN
5	Corporate Address	33/1, Mount Road, Sadar, Nagpur – 440001, Maharashtra, IN
6	e-mail id	investor@sunflagsteel.com
7	Telephone	Tel. No.: +91 712-2524661; Fax No.: +91 712-2520360
8	Website	www.sunflagsteel.com
9	Financial Year reported	2023-2024
10	Name of the Stock Exchange(s) where shares are listed	1. BSE Limited 2. National Stock Exchange of India Limited
11	Paid-up Capital	INR 1,80,21,94,480
12	Name and contact details (telephone, email address) of the person who may be contacted in case of any queries on the BRSR report	Mr. Ramchandra Vasant Dalvi, Director (Technical) Phone: 07184-285566 Email: ramchandra_dalvi@sunflagsteel.com
13	Reporting boundary - Are the disclosures under this report made on a standalone basis (i.e. only for the entity) or on a consolidated basis (i.e. for the entity and all the entities which form a part of its consolidated financial statements, taken together).	The disclosures in this report are made on standalone basis.
14	Name of assurance provider	Nil
15	Type of assurance obtained	Not Applicable

II. Products/services

16. Details of business activities (accounting for 90% of the turnover):

S. No.	Description of Main Activity	Description of Business Activity	% of Turnover of the entity
01	Manufacture of Steel and Steel products	Manufacturing	100

17. Products/Services sold by the Company (accounting for 90% of the entity's Turnover):

S. No.	Product/Service	NIC Code	% of total Turnover contributed
01	Steel Ingots and long products	241	89.89
02	Pig Iron	243	7.07
03	Sponge Iron	243	2.98

III. Operations

18. Number of locations where plants and/or operations/offices of the entity are situated:

Location	Number of plants	Number of offices	Total
National	One (Bhandara)	Eight (8) Nagpur, Bhandara, Mumbai, Pune, Delhi, Faridabad, Chennai and Bengaluru	Nine (9)
International	-	-	-

19. Markets served by the entity :

1. Number of locations

Locations	Number
National (No. of States)	19 (Nineteen) Sunflag renders supplies pan India.
International (No. of Countries)	11 (Eleven) Exports products to various countries across globe.

2. What is the contribution of exports as a percentage of the total turnover of the entity?

Contribution of Export is 1.53 % of total turnover of the Entity.

3. A brief on types of customers:

The steel produced finds applications in sectors like automobile, general engineering, machinery, projects, railway, defence and construction, and our customers are spread across these sectors for the use of steel in various applications.

IV. Employees

20. Details as at the end of Financial Year:

a. Employees and workers (including differently abled):

S. No.	Particulars	Total (A)	Male		Female	
			No. (B)	% (B / A)	No. (C)	% (C / A)
EMPLOYEES						
1.	Permanent (D)	818	814	99.51	4	0.49
2.	Other than Permanent (E)	31	30	96.77	1	3.23
3.	Total employees (D + E)	849	844	99.41	5	0.59
WORKERS						
4.	Permanent (F)	395	393	99.49	2	0.51
5.	Other than Permanent (G)	2386	2379	99.71	7	0.29
6.	Total workers (F + G)	2781	2772	99.68	9	0.32

b. Differently abled Employees and workers:

S. No.	Particulars	Total (A)	Male		Female	
			No. (B)	%(B / A)	No. (C)	%(C / A)
DIFFERENTLY ABLED EMPLOYEES						
1.	Permanent (D)	-	-	-	-	-
2.	Other than Permanent (E)	-	-	-	-	-
3.	Total differently abled employees (D + E)	-	-	-	-	-
DIFFERENTLY ABLED WORKERS						
4.	Permanent (F)	3	3	100%	-	-
5.	Other than Permanent (G)	1	1	100%	-	-
6.	Total differently abled workers (F + G)	4	4	100%	-	-

21. Participation/Inclusion/Representation of women

	Total (A)	No. and percentage of Females	
		No. (B)	% (B / A)
Board of Directors	10	2	20.00%
Key Management Personnel	4	0	0%

22. Turnover rate for permanent employees and workers

(Disclose trends for the past 3 years)

	FY 2023-24 (Turnover rate in current FY)			FY 2022-23 (Turnover rate in previous FY)			FY 2021-22 (Turnover rate in the prior to the previous FY)		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Permanent Employees	156	1	157	129	0	129	94	1	95
%Turnover	19.16%	20%	19.19%	18.06%	0%	17.94%	14.69%	33.33%	14.77%
Permanent Workers	26	0	26	25	0	25	36	0	36
%Turnover	6.62%	0%	6.58%	5.97%	0%	5.94%	7.95%	0%	7.91%

V. Holding, Subsidiary and Associate Companies (including joint ventures)

23. (a) Names of holding / subsidiary / associate companies / joint ventures

S. No.	Name of the holding/ subsidiary/ associate companies/ joint ventures (A)	Indicate whether holding/ Subsidiary/ Associate/ Joint Venture	% of shares held by listed entity	Does the entity indicated at column A, participate in the Business Responsibility initiatives of the listed entity? (Yes/No)
1.	Sunflag Power Limited	Subsidiary	100%	No
2.	Khappa Coal Company Private Limited	Subsidiary	63.27%	No
3.	Sunflag Foundation	Subsidiary	100%	No
4.	Madanpur (North) Coal Block Private Limited	Joint Venture	11.73%	No
5.	CT Mining Private Limited	Joint Venture	31.80%	No
6.	Daido DMS India Private Limited	Joint Venture	17.56%	No
7.	Ramesh Sunwire Private Limited	Joint Venture	49.00%	No
8.	ReNew Green (MPR Three) Private Limited	Joint Venture	31.20%	No

VI. CSR Details

24. (i) Whether CSR is applicable as per section 135 of Companies Act, 2013 : **Yes**
(ii) Turnover (in ₹): 3,41,528 lakh
(iii) Net worth (in ₹): 4,79,224 lakh

VII. Transparency and Disclosures Compliances

25. Complaints/Grievances on any of the principles (Principles 1 to 9) under the National Guidelines on Responsible Business Conduct:

Stakeholder group from whom complaint is received	Grievance Redressal Mechanism in Place (Yes/No) (If Yes, then provide web-link for grievance redress policy)*	FY 2023-24 Current Financial Year			FY 2022-23 Previous Financial Year		
		Number of complaints filed during the year	Number of complaints pending resolution at close of the year	Remarks	Number of complaints filed during the year	Number of complaints pending resolution at close of the year	Remarks
Communities	Yes	-	-	-	-	-	-
Investors (other than shareholders)	Yes	-	-	-	-	-	-
Shareholders	Yes	37	-	-	23	-	-
Employees and workers	Yes	-	-	-	-	-	-
Customers	Yes	217	-	-	277	-	-
Value Chain Partners	Yes	-	-	-	-	-	-
Other (please specify)	Yes	-	-	-	-	-	-

* Grievance Redressal Policy Links:

<https://sunflagsteel.com/wp-content/uploads/2023/02/Sunflag-Policy-Quality-environment-health-etc.pdf><https://sunflagsteel.com/wp-content/uploads/2023/02/SISCO-Whistleblower-Policy-07022023.pdf>

26. Overview of the entity's material responsible business conduct issues

Please indicate material responsible business conduct and sustainability issues pertaining to environmental and social matters that present a risk or an opportunity to your business, rationale for identifying the same, approach to adapt or mitigate the risk along-with its financial implications, as per the following format

S. No.	Material issue identified	Indicate whether risk or opportunity (R/O)	Rationale for identifying the risk/opportunity	In case of risk, approach to adapt or mitigate	Financial implications of the risk or opportunity (Indicate positive or negative implications)
1	There is no responsibility or sustainability issue pertaining to environmental or social matter.				

SECTION B: MANAGEMENT AND PROCESS DISCLOSURES:

This section is aimed at helping businesses demonstrate the structures, policies and processes put in place towards adopting the NGRBC Principles and Core Elements.

S.N.	Disclosure Questions	P1	P2	P3	P4	P5	P6	P7	P8	P9
Policy and management processes										
1.	a. Whether your entity's policy/policies cover each principle and its core elements of the NGRBCs. (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y	Y
	b. Has the policy been approved by the Board? (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y	Y
	c. Web Link of the Policies, if available	https://sunflagsteel.com/investor-relations/								
2.	Whether the entity has translated the policy into procedures. (Yes/ No)	Y	Y	Y	Y	Y	Y	Y	Y	Y
3.	Do the enlisted policies extend to your value chain partners? (Yes/No)	Y	Y	Y	Y	Y	Y	Y	Y	Y
4.	Name of the national and international codes/certifications/labels/ standards (e.g. Forest Stewardship Council, Fairtrade, Rainforest Alliance, Trustea) standards (e.g. SA 8000, OHSAS, ISO, BIS) adopted by your entity and mapped to each principle.	Certified as per BIS Standards, to IS/DIN/JIS/ASTM/EN/GOST/ISO specifications e.g.ISO 9001:2015, IATF 16949:2016, ISO 14001: 2015, ISO 45001:2018, AS 9100D / EN 9100:2018, PED and AD 2000, ISO IEC 17025:2017								
5.	Specific commitments, goals and targets set by the entity with defined timelines, if any.	Reduction in net GHG (Greenhouse Gases) per MT of product by 30% by 2050 Reduction in the Power consumption by using renewable power energy by 10% by 2026								
6.	Performance of the entity against the specific commitments, goals and targets along-with reasons in case the same are not met.	As per plan, goals and targets.								
Governance, leadership and oversight										
7.	Statement by director responsible for the business responsibility report, highlighting ESG related challenges, targets and achievements (listed entity has flexibility regarding the placement of this disclosure) 1. Environment: We well understand our business activities have implications for the environment, including carbon emissions, waste generation, and resource consumption. To address this, we are intensifying our efforts to reduce our carbon footprint, adopt more sustainable practices and promote renewable energy sources, with the broader goals of combatting climate change. 2. Social Impact: We recognize the importance of social responsibility and the impact our operations have on communities and employees. As an organization, we are committed to upholding labor rights, promoting biodiversity and ensuring safe and ethical working conditions for all of our stakeholders. 3. Governance and Ethics: We are committed to maintaining high ethical standards in all our activities and ensuring transparency in our operations. Our Board of Directors actively oversees the management team to ensure compliance with applicable laws and regulations and to promote fair business practices. 4. Stakeholder Engagement: Finally, we recognize that effective stakeholder engagement is vital for a successful ESG strategy. We are working to improve communication and collaboration with all our stakeholders, including investors, customers, employees and the wider community. By integrating ESG considerations into our core business strategy, we aim to create long-term value for our stakeholders while positively contributing to society and the environment.									
8.	Details of the highest authority responsible for implementation and oversight of the Business Responsibility policy(ies).	Mr. Ramchandra Vasant Dalvi, Director (Technical) (DIN 00012065) in association with the Committees of the Board of Directors viz. 1. Audit Committee 2. Corporate Social Responsibility Committee 3. Stakeholders Relationship Committee 4. Share Transfer Committee 5. Risk Management Committee 6. Nomination and Remuneration Committee								
9.	Does the entity have a specified Committee of the Board/ Director responsible for decision making on sustainability related issues? (Yes / No). If yes, provide details.	Please refer the point no 8 Above.								

10. Details of Review of NGRBCs by the Company:

Subject for Review	Indicate whether review was undertaken by Director / Committee of the Board/ Any other Committee									Frequency (Annually/ Half yearly/ Quarterly/ Any other – please specify)								
	P1	P2	P3	P4	P5	P6	P7	P8	P9	P1	P2	P3	P4	P5	P6	P7	P8	P9
Performance against above policies and follow up action	Y	Y	Y	Y	Y	Y	Y	Y	Y	The compliances related to Business Responsibility and Sustainability Policy and other key policies are reviewed periodically and/or on need basis.								
Compliance with statutory requirements of relevance to the principles, and rectification of any non-compliances	Y	Y	Y	Y	Y	Y	Y	Y	Y	Compliances are reviewed periodically and no such non-compliances observed.								
11. Has the entity carried out independent assessment/ evaluation of the working of its policies by an external agency? (Yes/No). If yes, provide name of the agency.	P1		P2		P3		P4		P5		P6		P7		P8		P9	
	No		No		No		No		No		No		No		No		No	

12. If answer to question (1) above is "No" i.e. not all Principles are covered by a policy, reasons to be stated : **Not Applicable**

Questions	P1	P2	P3	P4	P5	P6	P7	P8	P9
The entity does not consider the Principles material to its business (Yes/No)									
The entity is not at a stage where it is in a position to formulate and implement the policies on specified principles (Yes/No)	N O T								
The entity does not have the financial or/human and technical resources available for the task (Yes/No)	A P P L I C A B L E								
It is planned to be done in the next financial year (Yes/No)									
Any other reason (please specify)									

Principle- wise policies

P1	P2	P3	P4	P5	P6	P7	P8	P9
Code of Business Principles and Conduct	Business Responsibility and Sustainability policy	Business Responsibility and Sustainability policy	Business Responsibility and Sustainability policy	Business Responsibility and Sustainability policy	Business Responsibility and Sustainability policy	Business Responsibility and Sustainability policy	Business Responsibility and Sustainability policy	Business Responsibility and Sustainability policy
Policy on Quality, Environmental, Health and Safety, Stakeholders' Engagement, Human Rights, Waste Management, Biodiversity and Grievance Redressal of the Company	Policy on Quality, Environmental, Health and Safety, Stakeholders' Engagement, Human Rights, Waste Management, Biodiversity and Grievance Redressal of the Company	Policy on Quality, Environmental, Health and Safety, Stakeholders' Engagement, Human Rights, Waste Management, Biodiversity and Grievance Redressal of the Company	Policy on Quality, Environmental, Health and Safety, Stakeholders' Engagement, Human Rights, Waste Management, Biodiversity and Grievance Redressal of the Company	Policy on Quality, Environmental, Health and Safety, Stakeholders' Engagement, Human Rights, Waste Management, Biodiversity and Grievance Redressal of the Company	Policy on Quality, Environmental, Health and Safety, Stakeholders' Engagement, Human Rights, Waste Management, Biodiversity and Grievance Redressal of the Company	Policy on Quality, Environmental, Health and Safety, Stakeholders' Engagement, Human Rights, Waste Management, Biodiversity and Grievance Redressal of the Company	Policy on Quality, Environmental, Health and Safety, Stakeholders' Engagement, Human Rights, Waste Management, Biodiversity and Grievance Redressal of the Company	Policy on Quality, Environmental, Health and Safety, Stakeholders' Engagement, Human Rights, Waste Management, Biodiversity and Grievance Redressal of the Company
Policy for determination of materiality of any event and information	Code of Business Principles and Conduct	Remuneration Policy	Whistle Blower Policy	Whistle Blower Policy	Code of Business Principles and Conduct	Code of Business Principles and Conduct	Code of Business Principles and Conduct	Code of Business Principles and Conduct
Policy on Materiality of related party transaction and dealing with related party transactions		Policy on Prevention of Sexual Harassment at workplace	Policy on Prevention of Sexual Harassment at workplace	Policy on Prevention of Sexual Harassment at workplace				

P1	P2	P3	P4	P5	P6	P7	P8	P9
Policy for determining material subsidiary		Policy on Succession planning for the Board and Senior Management		Remuneration Policy				
Policy for Document preservation		Whistle blower policy						
Remuneration Policy								
Whistle blower Policy								
Terms and Condition for the Appointment of Independent Director								
Policy on Succession Planning for the Board and Senior Management								
Dividend Distribution Policy								
Code for Prohibition of Insider Trading and Fair Disclosure of Unpublished Price Sensitive Information								

SECTION C: PRINCIPLE-WISE PERFORMANCE DISCLOSURE:

This section is aimed at helping entities demonstrate their performance in integrating the Principles and Core Elements with key processes and decisions. The information sought is categorized as “Essential” and “Leadership”. While the essential indicators are expected to be disclosed by every entity that is mandated to file this report, the leadership indicators may be voluntarily disclosed by entities which aspire to progress to a higher level in their quest to be socially, environmentally and ethically responsible.

Principle 1 : Businesses should conduct and govern themselves with integrity, and in a manner that is Ethical, Transparent and Accountable.

Essential Indicators

1. Percentage coverage by training and awareness programmes on any of the Principles during the financial year:

Segment	Total number of training and awareness programmes held	Topics / principles covered under the training and its impact	%age of persons in respective category covered by the awareness programmes
Board of Directors	12	The Topic covered business models, Health & Safety, Working Condition, POSH, Information Security, Human Rights, Governing Regulations, ESG, Code of Business Principles and Conduct, Grievance Management, Risk Management, Insider Trading, Waste Management, Biodiversity Conservation, Management their roles, rights and responsibilities and major developments corporate Social Responsibility and updates on the Company etc.	100%
Key Managerial Personnel	12		100%
Employees other than BoD and KMPs	7	1. Waste Management-Industrial Hazards & Environmental Pollution Control, Compliances 2. Ownership & Accountability 3. Leadership 4. Industrial Safety and Compliance. 5. Supervisory - accountability and responsibility 6. Teamwork and task team cohesiveness 7. Human Rights	72%
Workers	3	1. Safety, health and environment protocol 2. Code of conduct 3. Safety leadership and responsibility 4. Human Rights	81%

2. Details of fines / penalties /punishment/ award/ compounding fees/ settlement amount paid in proceedings (by the entity or by directors / KMPs) with regulators/ law enforcement agencies/ judicial institutions, in the financial year, in the following format (Note: the entity shall make disclosures on the basis of materiality as specified in Regulation 30 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 and as disclosed on the entity's website):

Monetary					
	NGRBC Principle	Name of the regulatory/ enforcement agencies/ judicial institutions	Amount (In INR)	Brief of the Case	Has an appeal been preferred? (Yes/No)
Penalty/ Fine	-	-	-	-	-
Settlement	-	-	-	-	-
Compounding fee	-	-	-	-	-
Non-Monetary					
	NGRBC Principle	Name of the regulatory/ enforcement agencies/ judicial institutions	Brief of the Case	Has an appeal been preferred? (Yes/No)	
Imprisonment	-	-	-	-	-
Punishment	-	-	-	-	-

3. Of the instances disclosed in Question 2 above, details of the Appeal/ Revision preferred in cases where monetary or non-monetary action has been appealed.

Case Details	Name of the regulatory/ enforcement agencies/ judicial institutions
Not Applicable	Not Applicable

4. Does the entity have an anti-corruption or anti-bribery policy? If yes, provide details in brief and if available, provide a web-link to the policy. Yes, the Code of Business Principles and Conduct of the Company covers the anti-corruption and anti-bribery element also. Weblink: https://sunflagsteel.com/wp-content/uploads/2018/03/SISCO_Code-Of-Business-Principles.pdf

5. Number of Directors/KMPs/employees/workers against whom disciplinary action was taken by any law enforcement agency for the charges of bribery/ corruption:

	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Directors	-	-
KMPs	-	-
Employees	-	-
Workers	-	-

6. Details of complaints with regard to conflict of interest:

	FY 2023-24 (Current Financial Year)		FY 2022-23 (Previous Financial Year)	
	Number	Remarks	Number	Remarks
Number of complaints received in relation to issues of Conflict of Interest of the Directors	-	-	-	-
Number of complaints received in relation to issues of Conflict of Interest of the KMPs	-	-	-	-

7. Provide details of any corrective action taken or underway on issues related to fines / penalties / action taken by regulators/ law enforcement agencies/ judicial institutions, on cases of corruption and conflicts of interest : **Not Applicable**

8. Number of days of accounts payables ((Accounts payable *365) / Cost of goods/services procured) in the following format:

	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Number of days of account payables	37 Days	46 Days

9. **Openness of Business**

Provide details of concentration of purchases and sales with trading houses, dealers, and related parties along-with loans and advances & investments, with related parties, in the following format:

Parameter	Metrics	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Concentration of Purchases	a. Purchases from trading houses as % of total purchases	31.94%	33.29%
	b. Number of trading houses where purchases are made from	55	49
	c. Purchases from top 10 trading houses as % of total purchases from trading houses	67.34%	70.10%
Concentration of Sales	a. Sales to dealers / distributors as % of total sales	-	-
	b. Number of dealers / distributors to whom sales are made	-	-
	c. Sales to top 10 dealers / distributors as % of total sales to dealers / distributors	-	-
Share of RPTs in	a. Purchases (Purchases with related parties / Total Purchases)	0.008%	0.009%
	b. Sales (Sales to related parties / Total Sales)	0.908%	1.005%
	c. Loans & advances (Loans & advances given to related parties / Total loans & advances)	0.240%	-
	d. Investments (Investments in related parties / Total Investments made)	100%	-

Leadership Indicators

1. Awareness programmes conducted for value chain partners on any of the Principles during the financial year:

Total number of awareness programmes held	Topics / principles covered under the Training	%age of value chain partners covered (by value of business done with such partners) under the awareness programmes
-	-	-

2. Does the entity have processes in place to avoid/ manage conflict of interests involving members of the Board? (Yes/No) If Yes, provide details of the same. Yes, the Code of Business Principles and Conduct of the Company has principle on management of conflict of interest whereunder they are expected to avoid personal activities and financial interests which could conflict with their responsibilities to the Company.

Weblink: https://sunflagsteel.com/wp-content/uploads/2018/03/SISCO_Code-Of-Business-Principles.pdf

PRINCIPLE 2: Businesses should provide goods and services in a manner that is sustainable and safe

1. Percentage of R&D and capital expenditure (capex) investments in specific technologies to improve the environmental and social impacts of product and processes to total R&D and capex investments made by the entity, respectively.

	Current Financial Year Rs. Lakhs	Previous Financial Year Rs. Lakhs	Details of improvements in environmental and social impacts
R&D	39.49 (100%)	64.56 (100%)	Improved in general
Capex	Nil	Nil	NA

2. a. Does the entity have procedures in place for sustainable sourcing? (Yes/No) **Yes**

b. If yes, what percentage of inputs were sourced sustainably? **91%**

3. Describe the processes in place to safely reclaim your products for reusing, recycling and disposing at the end of life, for (a) Plastics (including packaging) (b) E-waste (c) Hazardous waste and (d) other waste.

A) Plastic waste: Sent to Authorized recycle processor.

B) E - Waste: Sent to Authorized recycle processor.

C) Hazardous waste-- : 1. Sludge : Recycled as raw material in our Sinter plant

2. Used oil : Recycled in our reheating furnace as fuel and partially sold to authorized reprocessors.

D) Other waste- : Please Refer to Leadership Indicators point no. 4

4. Whether Extended Producer Responsibility (EPR) is applicable to the entity's activities (Yes / No). **Yes**

If yes, whether the waste collection plan is in line with the Extended Producer Responsibility (EPR) plan submitted to Pollution Control Boards? **Yes** If not, provide steps taken to address the same. **NA**

Leadership Indicators

1. Has the entity conducted Life Cycle Perspective / Assessments (LCA) for any of its products (for manufacturing industry) or for its services (for service industry)? If yes, provide details in the following format?

NIC Code	Name of Product /Service	% of total Turnover contributed	Boundary for which the Life Cycle Perspective /Assessment was conducted	Whether conducted by independent external agency (Yes/No)	Results communicated in public domain (Yes/No) If yes, provide the web-link.
241	Long products	100%	being assessed	No	No
243	Pig Iron				
243	Sponge Iron				

2. If there are any significant social or environmental concerns and/or risks arising from production or disposal of your products / services, as identified in the Life Cycle Perspective / Assessments (LCA) or through any other means, briefly describe the same along-with action taken to mitigate the same.

Name of Product/ Services	Description of the risk/ Concern	Action Taken
Long Products	No social/ environmental concern	NA
Pig Iron	No social/ environmental concern	NA
Sponge Iron	No social/ environmental concern	NA

3. Percentage of recycled or reused input material to total material (by value) used in production (for manufacturing industry) or providing services (for service industry).

Indicate input material	Recycled or re-used input material to total material	
	FY 2023-24 Current Financial Year	FY 2022-23 Previous Financial Year
	In process generation of scrap	13.53%

4. Of the products and packaging reclaimed at end of life of products (in metric tonnes) reused, recycled, and safely disposed, as per the following format:

	FY 2023-24 Current Financial Year			FY 2022-23 Previous Financial Year		
	Re-Used	Recycled	Safely Disposed	Re-Used	Recycled	Safely Disposed
	Plastics (including packaging)	-	-	124.63 MT	-	-
E-waste	-	-	-	-	-	-
Hazardous waste	-	238.824 MT	-	213.442 MT	213.442 MT	64.200 MT
Other waste	1,44,035 MT	11,63,585 MT	1,01,697 MT	11,61,582 MT	11,61,582 MT	93,354 MT

5. Reclaimed products and their packaging materials (as percentage of products sold) for each product category.

Indicate product category	Reclaimed products and their packaging materials as % of total products sold in respective category
	NA

PRINCIPLE 3 : Businesses should respect and promote the well-being of all employees, including those in their value chains.

1. a. Details of measures for the well- being of employees:

Category	% of employees covered by										
	Total (A)	Health Insurance		Accident Insurance		Maternity Benefits		Paternity Benefits		Day Care Facilities	
		Number (B)	% (B / A)	Number (C)	% (C / A)	Number (D)	% (D / A)	Number (E)	% (E / A)	Number (F)	% (F / A)
Permanent employees											
Male	814	208	25.55%	814	100%	NA	-	-	-	-	-
Female	4	1	25.00%	4	100%	4	100%	NA	-	-	-
Total	818	209	25.55%	818	100%	4	0.49%	-	-	-	-
Other than Permanent employees											
Male	30	-	-	30	100%	NA	-	-	-	-	-
Female	1	-	-	1	100%	-	-	NA	-	-	-
Total	31	-	-	31	100%	-	-	-	-	-	-

b. Details of measures for the well-being of workers:

Category	% of workers covered by										
	Total (A)	Health Insurance		Accident Insurance		Maternity Benefits		Paternity Benefits		Day Care Facilities	
		Number (B)	% (B / A)	Number (C)	% (C / A)	Number (D)	% (D / A)	Number (E)	% (E / A)	Number (F)	% (F / A)
Permanent workers											
Male	393	241	61.32%	393	100%	NA	-	-	-	-	-
Female	2	1	50.00%	2	100%	2	100%	NA	-	-	-
Total	395	242	61.27%	395	100%	2	0.51%	-	-	-	-
Other than Permanent workers											
Male	2379	158	6.64%	2379	100%	NA	-	-	-	-	-
Female	7	1	14.29%	7	100%	7	100%	NA	-	-	-
Total	2386	159	6.66%	2386	100%	7	0.29%	-	-	-	-

c. Spending on measures towards well-being of employees and workers (including permanent and other than permanent) in the following format –

	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Cost incurred on well- being measures as a % of total revenue of the Company	0.199%	0.190%

2. Details of retirement benefits, for Current Financial Year and Previous Financial Year.

Benefits	FY 2023-24 Current Financial Year			FY 2022-23 Previous Financial Year		
	No. of employees covered as a % of total employees	No. of workers covered as a % of total workers	Deducted and deposited with the authority (Y/N/N.A.)	No. of employees covered as a % of total employees	No. of workers covered as a % of total workers	Deducted and deposited with the authority (Y/N/N.A.)
PF	100%	100%	Y	100%	100%	Y
Gratuity	100%	100%	Y	100%	100%	Y
ESI	As per applicable Norms					
Others – please specify	As per applicable Norms					

3. Accessibility of workplaces

Are the premises / offices of the entity accessible to differently abled employees and workers, as per the requirements of the Rights of Persons with Disabilities Act, 2016? If not, whether any steps are being taken by the entity in this regard- Presently none of the employees are in the differently abled category.

4. Does the entity have an equal opportunity policy as per the Rights of Persons with Disabilities Act, 2016? If so, provide a web-link to the policy.

Yes, <https://sunflagsteel.com/wp-content/uploads/2023/02/Sunflag-Policy-Quality-environment-health-etc.pdf>

5. Return to work and Retention rates of permanent employees and workers that took parental leave.

Gender	Permanent employees		Permanent workers	
	Return to work rate	Retention rate	Return to work rate	Retention rate
Male	-	-	-	-
Female	-	-	-	-
Total	-	-	-	-

6. Is there a mechanism available to receive and redress grievances for the following categories of employees and worker? If yes, give details of the mechanism in brief.

Yes. Certified Standing Order is available.

In case of employees, grievance can be conveyed through a designated person. Redressal as per the merits of the case will follow.

In case of workmen, Grievance can be put up in Monthly IR meeting in presence of Union Representatives. Redressal as per merits of the case will follow.

7. Membership of employees and worker in association(s) or Unions recognised by the listed entity:

Category	FY 2023-24 Current Financial Year			FY 2022-23 Previous Financial Year		
	Total employees / workers in respective category (A)	No. of employees / workers in respective category, who are part of association(s) or Union (B)	% (B / A)	Total employees / workers in respective category (C)	No. of employees / workers in respective category, who are part of association(s) or Union (D)	% (D / C)
Total Permanent Employees	818	-	-	719	-	-
- Male	814	-	-	714	-	-
- Female	4	-	-	5	-	-
Total Permanent Workers	395	369	93.42	421	392	93.11
- Male	393	367	93.38	419	390	93.08
- Female	2	2	100.00	2	2	100.00

8. Details of training given to employees and workers:

Category	FY 2023-24 Current Financial Year					FY 2022-23 Previous Financial Year				
	Total (A)	On Health and safety measures		On Skill upgradation		Total (D)	On Health and safety measures		On Skill upgradation	
		No. (B)	% (B / A)	No. (C)	% (C / A)		No. (E)	% (E / D)	No. (F)	% (F / D)
Employees										
Male	4773	2789	58.43%	1984	41.57%	1879	996	53.01%	883	46.99%
Female	16	11	68.75%	5	31.25%	6	3	50%	3	50%
Total	4789	2800	58.47%	1989	41.53%	1885	999	53%	886	47%
Workers										
Male	6457	3845	59.55%	2612	40.45%	2336	1424	60.96%	912	39.04%
Female	2	2	100%	2	100%	2	1	50%	1	50%
Total	6459	3847	59.56%	2614	40.47%	2338	1425	60.95%	913	39.05%

9. Details of performance and career development reviews of employees and worker:

Category	FY 2023-24 Current Financial Year					FY 2022-23 Previous Financial Year				
	Total (A)	On Health and safety measures		On Skill upgradation		Total (D)	On Health and safety measures		On Skill upgradation	
		No. (B)	% (B / A)	No. (C)	% (C / A)		No. (E)	% (E / D)	No. (F)	% (F / D)
Employees										
Male	4773	2789	58.43%	1984	41.57%	1879	996	53.01%	883	46.99%
Female	16	11	69%	5	45%	6	3	50%	3	50%
Total	4789	2800	58.47%	1989	41.53%	1885	999	53%	886	47%
Workers										
Male	6457	3845	59.55%	2612	40.45%	2336	1424	60.96%	912	39.04%
Female	2	2	100%	2	100%	2	1	50%	1	50%
Total	6459	3847	59.56%	2614	40.47%	2338	1425	60.95%	913	39.05%

10. Health and safety management system:

- a. Whether an occupational health and safety management system has been implemented by the entity? (Yes/ No). If yes, the coverage of such system?

Yes as per ISO45001:2018 requirements throughout the plant

b. What are the processes used to identify work-related hazards and assess risks on a routine and non-routine basis by the entity?

Routine-

Coverage of workplace by Cameras
Daily site inspection
Work permit system for working at height
Regular medical examination

Non-routine-

Cross functional audits
External audits
HIRA, Hazop study

c. Whether you have processes for workers to report the work related hazards and to remove themselves from such risks. (Y/N)

Yes

d. Do the employees/ worker of the entity have access to non-occupational medical and healthcare services? (Yes/ No) **Yes**

11. Details of safety related incidents, in the following format:

Safety Incident/Number	Category	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Lost Time Injury Frequency Rate (LTIFR) (per one million-person hours worked)	Employees	1	
	Workers	2	
Total recordable work-related injuries	Employees	NIL	NIL
	Workers		
No. of fatalities	Employees		
	Workers		
High consequence work-related injury or ill-health (excluding fatalities)	Employees		
	Workers		

12. Describe the measures taken by the entity to ensure a safe and healthy work place.

Following ISO 45001 and ISO 14000 guidelines and implementation. HIRA, HAZOP Studies, (Internal and External) Safety audits, Safety Kaizens, Safety OPL etc.

- Coverage of all operations area by Camera and display to key safety and operations persons
- Daily site inspection
- Cross functional safety audits of all workplaces
- Appointment of safety coordinators to ensure safe practices at all levels
- Work permit system for all jobs at height
- Regular medical examination to ensure fitness for critical jobs
- Awards for best performance in safety

13. Number of Complaints on the following made by employees and workers:

	FY 2023-24 (Current Financial Year)			FY 2022-23 (Previous Financial Year)		
	Filed during the year	Pending resolution at the end of year	Remarks	Filed during the year	Pending resolution at the end of year	Remarks
Working Conditions	Nil	Nil	-	Nil	Nil	-
Health & Safety	Nil	Nil	-	Nil	Nil	-

14. Assessments for the year:

	% of your plants and offices that were assessed (by entity or statutory authorities or third parties)
Health and safety practices	100%
Working Conditions	100%

15. Provide details of any corrective action taken or underway to address safety-related incidents (if any) and on significant risks / concerns arising from assessments of health & safety practices and working conditions: Implementation of TPM (Second Phase) throughout the workplace.

Leadership Indicator

- Does the entity extend any life insurance or any compensatory package in the event of death of (A) Employees (Y/N) **N** (B) Workers (Y/N) **N**. All employees covered by Insurance and statutory norms. All workers covered by Insurance and statutory norms
In case of loss of family income for basic needs, employment can be considered.
- Provide the measures undertaken by the entity to ensure that statutory dues have been deducted and deposited by the value chain partners.
During the course of meetings with the value chain partners we try to ensure that the statutory dues have been deducted and deposited.

3. Provide the number of employees / workers having suffered high consequence work- related injury / ill-health / fatalities (as reported in Q11 of Essential Indicators above), who have been are rehabilitated and placed in suitable employment or whose family members have been placed in suitable employment:

	Total no. of affected employees/ workers		No. of employees/workers that are rehabilitated and placed in suitable employment or whose family members have been placed in suitable employment	
	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Employees	Nil	Nil	NA	NA
Workers	Nil	Nil	NA	NA

4. Does the entity provide transition assistance programs to facilitate continued employability and the management of career endings resulting from retirement or termination of employment? (Yes/ No)

Yes. In certain case qualified persons with excellent performance are retained as advisers after the retirement. During the employment skill development programs are carried out to facilitate the continued employment.

5. Details on assessment of value chain partners:

	% of value chain partners (by value of business done with such partners) that were assessed
Health and safety practices	10%
Working Conditions	100%

At the time of entering into contract with value chain partners awareness in relation to good working conditions and requirement of health and safety practices are created.

6. Provide details of any corrective actions taken or underway to address significant risks / concerns arising from assessments of health and safety practices and working conditions of value chain partners- No such action taken.

PRINCIPLE 4 : Businesses should respect the interests of and be responsive to all its stakeholders

Essential Indicators

1. Describe the processes for identifying key stakeholder groups of the entity.

The Company has a robust stakeholder engagement process whereunder the Company has identified the following key stakeholders ('key stakeholder groups') based on the reciprocal influence and responsibilities between the Company and its stakeholders viz. Employees, Shareholders and investors, Customers, Government and Regulatory Authorities, Suppliers, Local Communities, Industrial Associations and Value Chain Partners.

2. List of stakeholder groups identified as key for your entity and the frequency of engagement with each stakeholder group.

Stakeholder Group	Whether identified as Vulnerable & Marginalized Group (Yes/ No)	Channels of Communication (Email, SMS, Newspaper, pamphlets, Advertisement, Community Meetings, Notice Board, Website) Other	Frequency of engagement (Annually/ Half yearly/ Quarterly/ other- please specify)	Purpose and scope of engagement including key topics and concerns raised during such engagement
Customers	No	Customer meets, emails, SMS, Advertisements etc.	Ongoing basis	Customer feedback on product
Employees	No	Meetings, Notices	Ongoing basis	Rules, Policies, guidelines from Authorities
Value Chain Partners	No	Emails	Ongoing basis	As per requirement
Shareholders and Investors	No	Meetings, Emails, Letters, Newspaper, Website, Announcements etc.	Ongoing basis	Major Approvals, Shareholders value, major developments and other relevant updates regarding the Company, grievance redressal etc.
Industrial Association	No	Letters, Emails	Ongoing basis	As per requirement
Local Communities	Yes	Community Meetings, Letters	Ongoing basis	CSR activities etc.
Regulatory Bodies	No	Letters, Emails	Ongoing basis	As per requirement
Suppliers	No	Meetings, Letters, Emails etc.	Ongoing basis	As per requirement

Leadership Indicators

1. Provide the processes for consultation between stakeholders and the Board on economic, environmental, and social topics or if consultation is delegated, how is feedback from such consultations provided to the Board:

Responsible Officers in contact with stakeholders share the feedback with the Board of Directors.

2. Whether stakeholder consultation is used to support the identification and management of environmental, and social topics (Yes / No)- **Yes**. If so, provide details of instances as to how the inputs received from stakeholders on these topics were incorporated into policies and activities of the entity.

Inputs if any from stakeholders are verified by responsible officers and thereafter forwarded to Managing authorities for implementation, if deemed fit.

3. Provide details of instances of engagement with, and actions taken to, address the concerns of vulnerable/ marginalized stakeholder groups.

On various occasions local communities and NGO's are supported for the benefit of the society.

PRINCIPLE 5 : Businesses should respect and promote human rights

1. Employees and workers who have been provided training on human rights issues and policy(ies) of the entity, in the following format:

We as a Company respect and promote human rights. We have framed a policy covering human rights element apart from covering the human rights aspect in Code for Business Principles and Conduct. Code for Business Principles and Conduct has been disseminated on the website of the Company and all the employees of the Company and other persons dealing with the Company have access to it.

Category	FY 2023-24 (Current Financial Year)			FY2022-23 (Previous Financial Year)		
	Total (A)	No. of employees/ workers covered (B)	% (B / A)	Total (C)	No. of employees/ workers covered (D)	% (D / C)
Employees						
Permanent	818	376	45.97%	719	719	100%
Other than permanent	31	0	0%	34	34	100%
Total Employees	849	376	44.29%	753	753	100%
Workers						
Permanent	395	281	71.14%	421	421	100%
Other than permanent	2386	0	0%	2270	2270	100%
Total Workers	2781	281	10.10%	2691	2691	100%

2. Details of minimum wages paid to employees and workers, in the following format:

Category	FY 2023-24 (Current Financial Year)					FY 2022-23 (Previous Financial Year)				
	Total (A)	Equal to Minimum Wage		More than Minimum Wage		Total (D)	Equal to Minimum Wage		More than Minimum Wage	
		No. (B)	% (B / A)	No. (C)	% (C / A)		No. (E)	% (E / D)	No. (F)	% (F / D)
Employees										
Permanent	818	NIL	NIL	818	100%	719	NIL	NIL	719	100%
Male	814	NIL	NIL	814	100%	714	NIL	NIL	714	100%
Female	4	NIL	NIL	4	100%	5	NIL	NIL	5	100%
Other than Permanent	31	NIL	NIL	31	100%	34	NIL	NIL	34	100%
Male	30	NIL	NIL	30	100%	33	NIL	NIL	33	100%
Female	1	NIL	NIL	1	100%	1	NIL	NIL	1	100%
Workers										
Permanent	395	NIL	NIL	395	100%	421	NIL	NIL	421	100%
Male	393	NIL	NIL	393	100%	419	NIL	NIL	419	100%
Female	2	NIL	NIL	2	100%	2	NIL	NIL	2	100%
Other than Permanent	2386	1306	54.74%	1180	49.46%	2270	1154	50.84%	1116	49.16%
Male	2379	1302	54.73%	1177	49.47%	2261	1150	50.86%	1111	49.14%
Female	7	4	57.14%	3	42.86%	9	4	44.44%	5	55.56%

3. Details of remuneration/salary/wages:

a. Median remuneration/wages:

	Male		Female	
	Number	Median remuneration/ salary/ wages of respective category	Number	Median remuneration/ salary/ wages of respective category
Board of Directors (BoD)	7*	1,04,39,294/-	2	3,20,000/-
Key Managerial Personnel	2	63,46,621/-	-	-
Employees other than BoD and KMP	794	Executives- 53,84,684/- Staff - 5,90,724/-	4	2,50,968/-
Workers	367	8,37,048/-	2	8,84,844/-

* Two Board Members are also Key Managerial Personnel.

b. Gross Wages paid to females as % of total wages paid by the entity, in the following format:

	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Gross wages paid to females as % of total wages	0.44%	0.46%

4. Do you have a focal point (Individual/ Committee) responsible for addressing human rights impacts or issues caused or contributed to by the business? (Yes/No) **Yes**- Human Rights being an important matter, any violation of Human Rights will be addressed by a separate committee formed by management for the purpose.
5. Describe the internal mechanisms in place to redress grievances related to human rights issues.
Grievances can be put up to designated personnel in organization for redressal- as specified in point 4 above.
6. Number of Complaints on the following made by employees and workers:

	FY 2023-24 (Current Financial Year)			FY 2022-23 (Previous Financial Year)		
	Filed during the year	Pending resolution at the end of year	Remarks	Filed during the year	Pending resolution at the end of year	Remarks
Sexual Harassment	Nil	NA	-	Nil	NA	-
Discrimination at workplace	Nil	NA	-	Nil	NA	-
Child Labour	Nil	NA	-	Nil	NA	-
Forced Labour/Involuntary Labour	Nil	NA	-	Nil	NA	-
Wages	Nil	NA	-	Nil	NA	-
Other human rights related Issues	Nil	NA	-	Nil	NA	-

7. Complaints filed under the Sexual Harassment of Women at workplace (Prevention, Prohibition and Redressal) Act, 2013, in the following format:

	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Total Complaints reported under Sexual Harassment on Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 (POSH)	Nil	Nil
Complaints on POSH as a % of female Employees/ Workers	Nil	Nil
Complaints on POSH upheld	Nil	Nil

8. Mechanisms to prevent adverse consequences to the complainant in discrimination and harassment cases.
Committee is established as per the provision of Act.
9. Do human rights requirements form part of your business agreements and contracts? (Yes/No) - **Yes**
10. Assessments for the year:

	% of your plants and offices that were assessed (by entity or statutory authorities or third parties)
Child labour	100%
Forced/involuntary labour	100%
Sexual harassment	100%
Discrimination at workplace	100%
Wages	100%
Others – please specify	-

11. Provide details of any corrective actions taken or underway to address significant risks / concerns arising from the assessments at Question 10 above. - **Nil**

Leadership Indicators

1. Details of a business process being modified / introduced as a result of addressing human rights grievances/complaints: There were no such complaints.
2. Details of the scope and coverage of any Human rights due-diligence conducted: No such due diligence conducted during FY 2023-24
3. Is the premise/office of the entity accessible to differently abled visitors, as per the requirements of the Rights of Persons with Disabilities Act, 2016? - **Yes**

4. Details on assessment of value chain partners

	% of value chain partners (by value of business done with such partners) that were assessed
Sexual Harassment	100%
Discrimination at workplace	100%
Child Labour	100%
Forced Labour/Involuntary Labour	100%
Wages	100%
Others – please specify	-

5. Provide details of any corrective actions taken or underway to address significant risks / concerns arising from the assessments at Question 4 above. No such corrective action was required.

PRINCIPLE 6 : Businesses should respect and make efforts to protect and restore the environment
Essential Indicators

1. Details of total energy consumption (in Joules or multiples) and energy intensity, in the following format :

Parameter	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
From Renewable Sources		
Total electricity consumption (A)	-	-
Total fuel consumption (B)	-	-
Energy consumption through other sources (C)	-	-
Total energy consumed from Renewable Sources (A+B+C)	-	-
From Non-renewable Sources		
Total electricity consumption (D)	412092600 (1483533360)	374798129 (1349273264)
Total fuel consumption (E)	24628 (957536640)	20905 (812716690)
Energy consumption through other sources (F)	-	-
Total energy consumed from Non-renewable Sources (D+E+F)	2441070000	2161989954
Total energy consumption (A+B+C+D+E+F) Mega Joules	2441070000	2161989954
Energy intensity per rupee of turnover (Total energy consumption/ Revenue from Operation)	0.07153	0.06198
Energy intensity per rupees of Turnover adjusted for Purchasing Power Parity (PPP) (Total energy consumption/Revenue from operations adjusted for PPP)	1.4413	1.2488
Energy Intensity in terms of Physical Output	4692.80MJ/MT	4520.00MJ/MT
Energy intensity (optional) – the relevant metric may be selected by the entity	-	-

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N)-**N** If yes, name of the external agency.

2. Does the entity have any sites / facilities identified as designated consumers (DCs) under the Performance, Achieve and Trade (PAT) Scheme of the Government of India? (Y/N) If yes, disclose whether targets set under the PAT scheme have been achieved. In case targets have not been achieved, provide the remedial action taken, if any.- **Not Applicable**

3. Provide details of the following disclosures related to water, in the following format:

Parameter	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Water withdrawal by source (in kilolitres)		
(i) Surface water (From River)	30,81,409	32,11,011
(ii) Groundwater	-	-
(iii) Third party water	-	-
(iv) Seawater / desalinated water	-	-
(v) Others	-	-
Total volume of water withdrawal (in kilolitres) (i + ii + iii + iv + v)	30,81,409	32,11,011
Total volume of water consumption (in kilolitres)	30,81,409	32,11,011
Water intensity per rupee of turnover (Total water Consumption / Revenue from Operations)	0.0000902	0.0000920
Water intensity per rupees of Turnover adjusted for Purchasing Power Parity (PPP) (Total water consumption/Revenue from operations adjusted for PPP)	0.0018175	0.0018538
Water Intensity in terms of Physical Output	5.92 M3/MT	6.71 M3/MT
Water intensity (optional) – the relevant metric may be selected by the entity	-	-

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) -N If yes, name of the external agency.

4. Provide the following details related to water discharged:

Parameter	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Water discharge by destination and level of treatment (in kilolitres)		
(i) to Surface water		
- No treatment	Zero Liquid Discharge Plant	Zero Liquid Discharge Plant
- With treatment – please specify level of treatment	Zero Liquid Discharge Plant	Zero Liquid Discharge Plant
(ii) To Groundwater	-	-
- No treatment	-	-
- With treatment – please specify level of treatment	-	-
(iii) To Seawater	-	-
- No treatment	-	-
- With treatment – please specify level of treatment	-	-
(iv) Sent to third-parties	-	-
- No treatment	-	-
- With treatment – please specify level of treatment	-	-
(v) Others	-	-
- No treatment	-	-
- With treatment – please specify level of treatment	-	-
Total water discharged (in kilolitres)	-	-

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) -N If yes, name of the external agency - NA

5. Has the entity implemented a mechanism for Zero Liquid Discharge? If yes, provide details of its coverage and implementation.
Yes: Achieved zero liquid discharge, blow down water discharge from all cooling towers are being reused as a make up to Sinter Plant, Mini Blast Furnace, Sponge Iron Plant, Steel Melt Shop and Rolling Mill. Domestic waste water is reused for tree plantation and firefighting water after treatment at Sewage Treatment Plant.

6. Please provide details of air emissions (other than GHG emissions) by the entity, in the following format:

Parameter	Please specify unit	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
NOx	mg/Nm3	172.60	196.65
Sox	mg/Nm3	219.35	242.58
Particulate matter (PM)	mg/Nm3	26.10	23.99
Persistent organic pollutants (POP)	-	-	-
Volatile organic compounds (VOC)	-	-	-
Hazardous air pollutants (HAP)	-	-	-
Others please specify	-	-	-

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) - Y If yes, name of the external agency.

Monitored by External Agency:- NABL approved Lab, M/s. Earthcare Labs Pvt. Ltd., Nagpur.

7. Provide details of greenhouse gas emissions (Scope 1 and Scope 2 emissions) and its intensity, in the following format:

Parameter	Unit	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Total Scope 1 emissions (Break-up of the GHG into CO2, CH4, N2O, HFCs, PFCs, SF6, NF3, if available)	Metric tonnes of CO2 equivalent	15,94,668.88 tCO2	16,27,406.97 tCO2
Total Scope 2 emissions (Break-up of the GHG into CO2, CH4, N2O, HFCs, PFCs, SF6, NF3, if available)	Metric tonnes of CO2 equivalent	1,84,009.99 tCO2	2,14,701.67 tCO2
Total Scope 1 and Scope 2 emissions intensity per rupee of turnover (Total Scope 1 and Scope 2 GHG emissions / Revenue from Operations)	Scope1+Scope2 Metric tonnes of CO2Equivalent (TCO2/Rupee TO)	17,78,678.87 tCO2 (0.0000521)	18,42,108.64 tCO2 (0.0000528)
Total Scope 1 and Scope 2 emissions per rupee of Turnover adjusted for Purchasing Power Parity (PPP) (Total Scope 1 and Scope 2 GHG Emission/ Revenue from operations adjusted for PPP)	-	0.00105	0.00106
Total Scope 1 and Scope 2 emissions intensity in terms of Physical output	Metric tonnes of Co2 equivalent	3.419 tCO2 / MT	3.851 tCO2 / MT
Total Scope 1 and Scope 2 emission intensity (optional) – the relevant metric may be selected by the entity	-	-	-

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) - N If yes, name of the external agency.

8. Does the entity have any project related to reducing Green House Gas emission? If Yes, then provide details.

Yes,

Major projects undertaken for reducing GHG emissions.

1. Registered vehicle scrap facility to be provided for recycle of steel.
2. Coke oven plant for producing coke, power and coke oven gas.
3. Tree plantation- to plant 1,00,000 trees per year.

9. Provide details related to waste management by the entity, in the following format:

Parameter	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Total Waste generated (in Metric tonnes)		
Plastic waste (A)	124.63 MT	152.346 MT
E-waste (B)	-	-
Bio-medical waste (C)	0.04121 MT	0.040 MT
Construction and demolition waste (D)	-	-
Battery waste (E)	-	-
Radioactive waste (F)	-	-
Other Hazardous waste. Please specify, if any. (G) MT	238.82	213.44
Other Non-hazardous waste generated (H). Please specify, if any.MT (Break-up by composition i.e. by materials relevant to the sector)	1265233.95	1254935.84
Total (A+B + C + D + E + F + G + H)	1265597.44	1255301.67
Waste intensity per rupee of turnover, (Total Waste Generated/ Revenue from operations)	0.0000371	0.0000360
Waste intensity per rupees of Turnover adjusted for Purchasing Power Parity (PPP) (Total waste generated/ Revenue from operations adjusted for PPP)	0.0007476	0.0007254
Waste Intensity in terms of Physical Output	2.4330 MT/TRP	2.6244 MT/TRP
Waste intensity (optional) – the relevant metric may be selected by the entity	-	-

**For each category of waste generated, total waste recovered through recycling, re-using or
other recovery operations (in metric tonnes)**

Category of waste		
(i) Recycled	4,86,192.639 MT	4,84,693.116 MT
(ii) Re-used	6,77,342.65 MT	6,76,888.9 MT
(iii) Other recovery operations	-	-
Total	11,63,535.289 MT	11,61,582.016 MT

**For each category of waste generated, total waste disposed by nature
of disposal method (in metric tonnes)**

Category of waste		
(i) Incineration	-	-
(ii) Landfilling	101698.66 MT	93,354 MT
(iii) Other disposal operations (Sale)	-	-
Total	101698.66 MT	93,354 MT

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) N, If yes, name of the external agency-NA

10. Briefly describe the waste management practices adopted in your establishments. Describe the strategy adopted by your company to reduce usage of hazardous and toxic chemicals in your products and processes and the practices adopted to manage such wastes.

Refer Annexure-1 to this Report

11. If the entity has operations/offices in/around ecologically sensitive areas (such as national parks, wildlife sanctuaries, biosphere reserves, wetlands, biodiversity hotspots, forests, coastal regulation zones etc.) where environmental approvals / clearances are required, please specify details in the following format: Obtained environmental clearance F.No.J-11011/355/2004-IA II (I) dated 02.05.2017 which is being complied with in totality.

All our operations have the required environmental and other approvals/clearances.

12. Details of environmental impact assessments of projects undertaken by the entity based on applicable laws, in the current financial year:

Environment Impact Assessment has not been undertaken during the financial year 2023-24.

Name and brief details of project	EIA Notification No.	Date	Whether conducted by independent external agency (Yes / No)	Results communicated in public domain (Yes / No)	Relevant Web link
-	-	-	-	-	-
-	-	-	-	-	-

13. Is the entity compliant with the applicable environmental law/ regulations/ guidelines in India; such as the Water (Prevention and Control of Pollution) Act, Air (Prevention and Control of Pollution) Act, Environment protection Act and rules thereunder : (Y/N)-Y. If not, provide details of all such non-compliances, in the following format:

Sr. No.	Specify the law / regulation/ guidelines which was not complied with	Provide details of the non- compliance	Any fines / penalties / action taken by regulatory agencies such as pollution control boards or by courts	Corrective action taken, if any
NOT APPLICABLE				

Leadership Indicators

1. Water withdrawal, Consumption and discharge in areas of water stress (in kilolitres):

For each facility / plant located in areas of water stress, provide the following information:

(i) Name of the area- Villages Warthi and Eklari, Tal. Mohadi, District Bhandara

(ii) Nature of operations- Manufacture of Iron and Steel

(iii) Water withdrawal, consumption and discharge in the following format:

Parameter	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Water withdrawal by source (in kilolitres)		
(i) Surface water	30,81,409	32,11,011
(ii) Groundwater	-	-
(iii) Third party water	-	-
(iv) Seawater / desalinated water	-	-
(v) Others	-	-
Total volume of water withdrawal (in kilolitres)	30,81,409	32,11,011
Total volume of water consumption (in kilolitres)	30,81,409	32,11,011
Water intensity per rupee of turnover (Water consumed / turnover) Litres/Rupee	0.90	0.92
Water intensity (optional) – the relevant metric may be selected by the entity		
Water discharge by destination and level of treatment (in kilolitres)		
(i) into Surface water		
- No treatment	Zero Liquid Discharge Plant	Zero Liquid Discharge Plant
- With treatment – please specify level of treatment	Zero Liquid Discharge Plant	Zero Liquid Discharge Plant
(ii) Into Groundwater		
- No treatment	-	-
- With treatment–please specify level of treatment	-	-
(iii) Into Seawater		
- No treatment	-	-
- With treatment–please specify level of treatment	-	-
(iv) Sent to third-parties		
- No treatment	-	-
- With treatment–please specify level of treatment	-	-
(v) Others		
- No treatment	-	-
- With treatment–please specify level of treatment	-	-
Total water discharged (in kilolitres)		

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N)-N If yes, name of the external agency. **NA**

2. Please provide details of total Scope 3 emissions & its intensity, in the following format:

Parameter	Unit	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Total Scope 3 emissions (Break-up of the GHG into CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , NF ₃ , if available)	Metric tonnes of CO ₂ equivalent	4,20,044.57 tCO₂	2,82,872.23 t CO ₂
Total Scope 3 emissions per rupee of turnover		12.27 (0.0000123)	8.11 (0.0000811)
Total Scope 3 emission intensity (optional) – the relevant metric may be selected by the entity	-	-	-

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N)-N If yes, name of the external agency. -NA

3. With respect to the ecologically sensitive areas reported at Question 11 of Essential Indicators above, provide details of significant direct & indirect impact of the entity on biodiversity in such areas along-with prevention and remediation activities.
Every year heavy Tree plantation in surrounding areas is done
4. If the entity has undertaken any specific initiatives or used innovative technology or solutions to improve resource efficiency, or reduce impact due to emissions / effluent discharge / waste generated, please provide details of the same as well as outcome of such initiatives, as per the following format:

Sr. No.	Initiative undertaken	Details of the initiative (Web-link, if any, may be provided along-with summary)	Outcome of the initiative
1	Reduce impact due to emissions	Heavy tree plantation and upgrade process technology and pollution control equipments	Substantial reduction of impact due to emissions
2	Effluent discharge	Effluent has been recycled after treatment.	Mitigation of impact of effluent discharge
3	Waste generation	Waste generation recycled inside the plant.	Alleviation of impact of waste generated

5. Does the entity have a business continuity and disaster management plan? Give details in 100 words/ web link.
The Company has a Risk Management Policy comprising the element of Business Continuity Plan duly approved by the Board of Directors.
Business continuity plan refers to maintaining business functions or quickly resuming them in the event of a major disruption, whether caused by a fire, flood or any other act of God. A business continuity plan outlines procedures and instructions an organization must follow in the face of such disasters; it covers business processes, assets, human resources, business partners and more.
Business continuity plan tackles any contingent situation covering all perceivable circumstances. It is reviewed by the Risk Management Committee, as per the need.
Training and awareness programs are undertaken from time to time to boost the Business Continuity Plan.
6. Disclose any significant adverse impact to the environment, arising from the value chain of the entity. What mitigation or adaptation measures have been taken by the entity in this regard.
No significant adverse impact to the environment has been reported by our value chain partners during the FY under review.
7. Percentage of value chain partners (by value of business done with such partners) that were assessed for environmental impacts.
From time to time since the initiation of the business with the value chain partners they are made aware of this through discussions.

PRINCIPLE 7 : Businesses, when engaging in influencing public and regulatory policy, should do so in a manner that is responsible and transparent

Essential Indicators:1.

- a. Number of affiliations with trade and industry chambers/ associations : 4
- b. List the top 10 trade and industry chambers/ associations (determined based on the total members of such body) the entity is a member of/ affiliated to.

Sr. No.	Name of the trade and industry chambers/ associations	Reach of trade and industry chambers/ associations (State/National)
1	Confederation of Indian Industries (CII)	National
2	Alloy Steel Producers Association	National
3	Quality Circle Forum of India	National
4	TPM Club of India	National

2. Provide details of corrective action taken or underway on any issues related to anti-competitive conduct by the entity, based on adverse orders from regulatory authorities.

Name of authority	Brief of the case	Corrective action taken
NA	NA	NA

Leadership Indicators

1. Details of public policy positions advocated by the entity: Sunflag is a member of various trade associations and closely works with industry and associations to positively support in the framing of the various policies that govern the functioning of the Indian Steel Sector.

PRINCIPLE 8 : Businesses should promote inclusive growth and equitable development.

1. Details of Social Impact Assessments (SIA) of projects undertaken by the entity based on applicable laws, in the current financial year. As per the laws applicable to the Company no Social Impact Assessment of the project is required.

Name and brief project	SIA notification No.	Date of Notification	Whether conducted by independent Agency (Yes/No)	Results communicated in public domain (Yes / No)	Relevant details of Web Link external
			Not Applicable		

2. Provide information on project(s) for which ongoing Rehabilitation and Resettlement (R&R) is being undertaken by your entity, in the following format:

There was no Rehabilitation and Resettlement (R&R) required in the year 2023-24

S. No	Name of Project for which R & R is ongoing	State	District	No. of Project affected Families (PAFs)	% of PAFs covered by R & R	Amount paid to PAFs in the FY (In INR)
				Not Applicable		

3. Describe the mechanisms to receive and redress grievances of the community. Grievances if any can be reported to Human Resources Management Section of the Company and redressal if required is immediate.
4. Percentage of input material (inputs to total inputs by value) sourced from suppliers:

	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Directly sourced from MSMEs/ small producers, % of total value sourced	29.09	32.96
Sourced directly from within the district(Bhandara) and neighboring districts,% of total value sourced	1.11	2.61

5. Job creation in smaller towns – Disclose wages paid to persons employed (including employees or workers employed on a permanent or non-permanent / on contract basis) in the following locations, as % of total wage cost

Location	FY 2023-24 (Current Financial Year)	FY 2022-23 (Previous Financial Year)
Rural	83.61%	83.71%
Semi- Urban	-	-
Urban	9.75%	10.41%
Metropolitan	6.63%	5.89%

Leadership Indicators

1. Provide details of actions taken to mitigate any negative social impacts identified in the Social Impact Assessments. (Reference: Question 1 of Essential Indicators above):

Details of negative social impact identified	Corrective action taken
Not Applicable	

2. Provide the following information on CSR projects undertaken by your entity in designated aspirational districts as identified by government bodies:

Sr. No.	State	Aspirational District	Amount spent (In INR)
1	Maharashtra	Bhandara, Nagpur, Chandrapur	Please refer Annexure II to the Board's Report 2023-24

3. (a) Do you have a preferential procurement policy where you give preference to purchase from suppliers comprising marginalized /vulnerable groups? (Yes/No) **No**
 (b) From which marginalized /vulnerable groups do you procure? **Not Applicable**
 (c) What percentage of total procurement (by value) does it constitute? **Not Applicable**
4. Details of the benefits derived and shared from the intellectual properties owned or acquired by your entity (in the current financial year), based on traditional knowledge:

Sr. No.	Intellectual property based on traditional Knowledge	Owned/ Acquired (Yes/No)	Benefit shared (Yes/No)	Basis of calculating benefit share
	No such benefits derived or shared during FY 2023-24			

5. Details of corrective actions taken or underway, based on any adverse order in intellectual property related disputes wherein usage of traditional knowledge is involved.

Name of authority	Brief of the Case	Corrective action taken
	Not Applicable	

6. Details of beneficiaries of CSR Projects

Sr. No.	CSR Project	No. of persons benefitted from CSR Projects	% of beneficiaries from vulnerable and marginalized groups
1	Green Garden / Gym	800 Persons	85%
2	Borewell	1000 Persons	85%
3	Solar Light	1250 Persons	95%
4	Health Checkup	2000 Persons	80%
5	Library/Books for Competitive Exam Preparation	1000 Persons	85%
6	Projector, Computer, Printer, Sound System, 26 Fans, Water Cooler to ZP School, Mohadi	1200 Persons	100%

PRINCIPLE 9 : Businesses should engage with and provide value to their consumers in a responsible manner

Essential Indicators

1. Describe the mechanisms in place to receive and respond to consumer complaints and feedback.
 The Customers can reach-out with their complaints related to our products and other concern to Company's Sales and Marketing team directly or through E-mail and Company is committed for resolution of the Complaints.
2. Turnover of products and/ services as a percentage of turnover from all products/service that carry information about:

	As a percentage to total turnover
Environmental and social parameters relevant to the product	100%
Safe and responsible usage	100%
Recycling and/or safe disposal	100%

3. Number of consumer complaints in respect of the following:

	FY 2023-24 (Current Financial Year)			FY 2022-23 (Previous Financial Year)		
	Received during the year	Pending resolution at end of year	Remarks	Received during the year	Pending resolution at end of year	Remarks
Data privacy	Nil	-	-	Nil	-	-
Advertising	Nil	-	-	Nil	-	-
Cyber-security	Nil	-	-	Nil	-	-
Delivery of essential services	Nil	-	-	Nil	-	-
Restrictive Trade Practices	Nil	-	-	Nil	-	-
Unfair Trade Practices	Nil	-	-	Nil	-	-
Other	Nil	-	-	Nil	-	-

4. Details of instances of product recalls on account of safety issues: No such issue

	Number	Reasons for recall
Voluntary recalls	-	-
Forced recalls	-	-

5. Does the entity have a framework/ policy on cyber security and risks related to data privacy? (Yes/No)-**Yes**. If available, provide a web-link of the policy. **Yes**, Company has the policy on cyber security and risks related to data privacy.
Weblink: <https://sunflagsteel.com/wp-content/uploads/2023/02/Sunflag-Policy-Quality-environment-health-etc.pdf>
Sunflag working on getting certified for on ISO 27001: Information security, cybersecurity and privacy protection — Information security management systems
6. Provide details of any corrective actions taken or underway on issues relating to advertising, and delivery of essential services; cyber security and data privacy of customers; re-occurrence of instances of product recalls; penalty / action taken by regulatory authorities on safety of products / services.
There was no such occurrence.
7. Provide the following information relating to data breaches:
- Number of instances of data breaches along-with impact
No such incidence occurred.
 - Percentage of data breaches involving personally identifiable information of customers-0%

Leadership Indicators

1. Channels / platforms where information on products and services of the entity can be accessed (provide web link, if available).
<https://sunflagsteel.com/wp-content/uploads/2020/04/web-brochure.pdf>
Sunflag Steel | Different Categories of Sunflag Steel
Sunflag Iron and Steel Official Company Video - YouTube
All information regarding the Company's business can be accessed through the Company's website <https://sunflagsteel.com/> and in its periodic disclosures such as the annual report.
2. Steps taken to inform and educate consumers about safe and responsible usage of products and/or services.
We have a dedicated sales team to ensure pre to post sale services to our customer. Post-sale service ensures smooth usage of our products and problem solving through a partnership approach that helps us forge long-lasting relationships with our customers.
3. Mechanisms in place to inform consumers of any risk of disruption/discontinuation of essential services.
At Sunflag steel we do not deal with any essential services, however, in case of any disruption, we can give information through our website, various mass media platforms, social media platforms, distribution network, sales representatives, emails, etc. In addition, consumers can reach out to us <https://sunflagsteel.com/contact-us/>
4. Does the entity display product information on the product over and above what is mandated as per local laws? (Yes/No/Not Applicable)- If yes, provide details in brief. Did your entity carry out any survey with regard to consumer satisfaction relating to the major products / services of the entity, significant locations of operation of the entity or the entity as a whole? (Yes/No)
Yes, we disclose the relevant information required by the customer. The Company engages with its customers and conducts periodical surveys to assess the satisfaction levels related to service, delivery, quality of product, complaint handling etc.

Annexure - 1
Solid Waste generation and management

Fly Ash (CPP) : Generation of fly ash is basically from AFBC Boiler. Fly ash is removed from fluidized bed of the steam generator and hoppers of the steam generator bank, economizer, air pre-heater and ESP. In the existing setup, generation of fly ash is 26784 TPA.

Fly ash, collected is conveyed pneumatically through pipeline to fly ash silo. Electronic controls are installed to ensure leak proof transfer of fly ash from hoppers to fly ash silo. Bag house filter is also installed at fly ash silo to arrest fugitive emissions.

Fly ash is sent to cement plants and balance is used for in-house brick manufacturing. Care is taken to avoid any dust emission.

Bed Ash (CPP) : Bed ash is generated from AFBC steam generator. The total quantity of bed ash generation is about 22320 TPA.

Quenching of the bed ash is carried out by spraying the cooling tower blow down water. Bed Ash is used for internal road and filling low lying areas in plant premises.

ESP Dust & DRI Ash : ESP Dust & DRI Ash are generated at DRI Plant and used as fuel in the existing plant. DRI sludge is also used as fuel in FBC Boiler and also disposed by sale to local parties. DRI sludge will be generated from the scrubber installed at the DRI Plant. This sludge will be basically DRI Ash having good calorific value.

The water treatment plant and effluent recycle plant provided in close loop of CCM, BSM & ASM has sludge drying beds for solar drying of solids separated at sludge drying beds. This is used in sinter plant for sinter manufacture.

In the existing setup, generation of ESP Dust & DRI Ash is 148400 TPA.

Bag Filter Dusts (DRI & SMS) : Dusts are collected from the bag filters installed in various sections mainly raw material handling in DRI and SMS/AOD. The quantity of bag filters dusts at full production capacity is 36750 TPA.

Dust collected at the bag filters of raw material handling sections of direct reduced iron plant is partly reused in the process of manufacturing sponge iron and balance for utilization in sinter plant for manufacturing sinter. The dust collected from the bag filters provided to EAF and LHF of the steel melting shop is 15750 TPA and is used in the sinter plant for manufacturing sinter. The dust collection from the bag filter provided to Stainless Steel Refining Converter of the steel melting shop is also used in the sinter plant for manufacturing sinter.

IF & EAF Slag : In existing setup, slag is generated from EAF. Total quantity of slag generation, at full production capacity is about 100200 TPA and it is disposed by landfill within factory area. Slag is generated from Stainless Steel Refining Converter also and is used in the sinter plant for manufacturing sinter.

After proposed expansion, slag will be generated from IF & EAF. Total quantity of slag generation, at full production capacity will be about 195629 TPA. It will be disposed through sale to cement manufacturers and for roads construction and other end users. Slag will be generated from Stainless Steel Refining Converter also and it will be used same as in existing set up.

Mill Scale (CCM & Rolling Mill) : Mill scale is generated at CCM, BSM and ASM Sections. The quantity of mill scale generated at full production capacity is about 10500 TPA. Water used for cooling purposes of billets and rolled steel products, carries mill scale along with it and admitted in scale pit under gravity. From the scale pit, mill scale is removed periodically. The total mill scale constitutes 2/3rd from CCM mill scale and about 1/3rd from BSM/ASM Mill Scale. These scales are used for sinter manufacture.

Iron/Steel Scrap/Rejected Billets (Rolling Mill) : Total generation of Iron/Steel Scrap/Rejected Billets from existing plant at full production capacity is 20000 TPA.

Iron/Steel Scrap 15000 TPA is generated during cutting of steel bars at BSM, ASM of Rolling Mill. Steel Scrap is also generated from Bright Bar Section and Coiler. Rejected Billets 5000 TPA from Rolling Mill are also generated at full production capacity. These solid wastes are recycled by melting in the steel manufacturing.

Grinder Waste (Rolling Mill) : It is generated during removal of upper layer of steel bars at Bright Bar Section. Total quantity of grinder waste generation is about 5000 TPA. This waste is recycled to SMS section for melting and reuse.

Coal Rejects/Fines (Coal Washery) : This waste is generated in the process of screening of crushed and wet coal at Coal Washery. The stone and shells of the coal are separated at screening. It is estimated 84000 TPA at full production capacity and are reused as fuel in power plant within the premises.

Granulated MBF Slag : Granulated MBF slag is taken from the bottom of MBF. The generation of MBF slag is 112500 TPA at full production capacity. This slag is partly used for making concrete roads within factory premises and balance is disposed by sale to cement plants.

Residue at MBF Gas Cleaning Plant: It is separated in thickener of Gas Cleaning Plant at MBF. The generation is 20000 TPA at full production capacity. This residue is used for sinter manufacture.

Coke Fines & Nuts (MBF Plant) : Coke fines are generated at MBF. The generation is 17500 TPA at full production capacity. Coke Fines are used in the sinter plant for manufacturing sinter.

Iron Ore Fines & Sinter (DRI & MBF Plant) : Iron Ore fines and Sinter are generated at DRI Plant & MBF. Total generation is 132900 TPA at full production capacity. Iron Ore Fines generation at DRI Plant is 27900 TPA and at MBF Iron Ore Fines and Sinter generation is 10500 TPA at full production capacity. Iron Ore Fines are used in the sinter plant for manufacturing sinter.

Hot Returned Ore (Sinter Plant) : Hot returned ore is generated in Sinter plant 85000 TPA at full production capacity. Hot returned Ore is recycled in sinter plant.

Removed dust (Sinter Plant) : Removed dust is generated in Sinter plant 12500 TPA at full production capacity. Removed dust is recycled in sinter plant.

All stock piles and waste are and will be laid on top of a stable liner to avoid leaching of materials to ground water. Some plants of Brassicaceae family will be planted near raw material storage yard, ash disposal site as well as around the project area as a precautionary measure of phytoremediation.

4.7.2 Hazardous Waste

Used/Spent Oil (Schedule-1, Category No. 5.1): Lubrication and other oils used in machineries lose their properties after use for some days. Used oils removed from machineries, gear boxes, compressors etc are collected in drums and the well-packed drums are temporarily stored in specifically earmarked area within the premises.

These oils will be used in furnaces/Boilers and also for anti-rust coating of rolled steel products and also sold to authorized reproprocessors/recyclers.

Acid Residue, Spent Bath Sludge and ETP Chemical Sludge (Category No. 12.1, 12.2 & 35.3): Spent acid, acid residue and spent bath sludge generated at Bright Bar Section and Coinage Plant is transported to CETP (Common Effluent Treatment Plant) for treatment. Similarly spent acid, acid residue, spent bath sludge and rinsing water generated at Centralized Pickling Plant is drained to CETP for the treatment.

In CETP, neutralization is carried out and after flocculation, suspended solids are separated out at clarifier & gravity sand filters. Suspended solids in the form of dried sludge separated at gravity sand filters is termed as CETP Chemical Sludge.

At CPP, regeneration of DM Plant is carried out periodically using acid and sodium hydroxide. Effluent of DM Plant is very small and after neutralization in underground pit, the overflow of the pit is mixed with other treated effluents for disposal. Underground Pit of the DM Plant section is cleaned once in six months and solids are solar dried at CETP. These solids are termed as CETP chemical Sludge.