



BUSINESS RESPONSIBILITY & SUSTAINABILITY REPORT

FY 2023-24



JINDAL SAW LTD.
TOTAL PIPE SOLUTIONS

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LIST OF ABBREVIATIONS

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SECTION A: GENERAL DISCLOSURES

I. Details of the listed entity

Sr. No.	Particulars	Details
1.	Corporate Identity Number (CIN) of the Listed Entity	L27104UP1984PLC023979
2.	Name of the Listed Entity	Jindal SAW Limited
3.	Year of incorporation	1984
4.	Registered office address	A-1, Nandgaon Road, UPSIDC Industrial Area, Kosi Kalan, Mathura , Uttar Pradesh- 281403
5.	Corporate address	Jindal Centre, 12, Bhikaiji Cama Place, New Delhi-110066
6.	Email	investors@jindalsaw.com
7.	Telephone	011-26188360-74
8.	Website	www.jindalsaw.com
9.	Financial year reported	2023-24
10.	Name of the Stock Exchange(s) where shares are listed	National Stock Exchange of India Ltd. BSE Ltd.
11.	Paid-up capital	639.52 Million
12.	Name and contact details (telephone, e-mail address) of the person who may be contacted in case of any queries on the BRSR report	Mr. Sunil K. Jain Company Secretary & Compliance Officer Contact No.: 011-61462220 Email: sunil.jain@jindalsaw.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).	Standalone Basis
14.	Name of assurance provider	NA
15.	Type of assurance obtained	NA

II. Products/services

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

Sr. no.	Description of Main Activity	Description of Business Activity	Percentage of Turnover of the entity
1	Iron and steel products (Pipe and allied accessories)	Manufacturing & sale	89.8%
2	Pellet		10.19%

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

Sr. no.	Product/Service	NIC Code	Percentage of total Turnover contributed
1	Iron and steel products (Pipe and allied accessories)	24106	89.8%
2	Pellet	07100	10.19%

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	11	13	24
International	0	0	0

19. Markets served by the entity:

a. Number of locations

Locations	Number
National (No. of States)	25
International (No. of Countries)	26

b. What is the contribution of exports as a percentage of the total turnover of the entity?
Response: 23.77%

c. A brief on types of customers

Response:

Jindal SAW products cater to a diverse clientele spanning various sectors including Oil & Gas, Water & Sewage Transportation, Irrigation, Agriculture, Infrastructure, Automotive, Construction, and Power Generation, operating on a global scale. Our client base comprises National, International and Supermajor Oil Companies, PSU's, PSE's, Engineering companies, encompassing governmental entities (at central, state, or local levels), non-governmental organizations, and contractors.

20. Details as at the end of Financial Year:

a. Employees and workers (including differently abled):

Sr. No.	Particulars	Total (A)	Male		Female	
			No. (B)	% (B / A)	No. (C)	% (C / A)
Employees						
1	Permanent (D)	4,036	3,947	97.79	89	2.2
2	Other than Permanent (E)	504	497	98.61	7	1.39
3	Total employees (D + E)	4,540	4,444	97.88	96	2.21
Workers						
4	Permanent (F)	3,481	3,481	100	0	0
5	Other than Permanent (G)	12,686	12,508	98.60	178	1.40
6	Total workers (F + G)	16,167	15,989	98.90	178	1.10

b. Differently abled Employees and workers:

Sr. No.	Particulars	Total (A)	Male		Female	
			No. (B)	% (B / A)	No. (C)	% (C / A)
Differently abled Employees						
1	Permanent (D)	24	24	100	0	0
2	Other than Permanent (E)	0	0	0	0	0
3	Total employees (D + E)	24	24	100	0	0
Differently abled Workers						
4	Permanent (F)	30	30	100	0	0
5	Other than Permanent (G)	23	23	100	0	0
6	Total workers (F + G)	53	53	100	0	0

21. Participation/ Inclusion/ Representation of women:

	Total (A)	No. and percentage of Females	
		No. (B)	% (B / A)
Board of Directors	13	4	30.77
Key Management Personnel	7	3	42.86

22. Turnover rate for permanent employees and workers:

	Turnover rate of current FY 2023-24			Turnover rate of previous FY 2022-23			Turnover rate of the year prior to the previous FY 2021-22		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Permanent Employees	10.64	17.33	10.77	5.2	20.3	5.3	3.7	15.5	2.7
Permanent Workers	4.91	0	4.91	1.8	0	1.8	1.7	0	1.7

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

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

Sr. No.	Name of the holding/ subsidiary/ associate companies/ joint ventures (A)	Indicate whether holding/ Subsidiary/ Associate/ Joint Venture	Percentage 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.	Jindal ITF Limited	Subsidiary	51.00%	No
2.	Jindal Metal & Alloys Limited	Subsidiary	80.71%	No
3.	S.V. Trading Limited	Subsidiary	100.00%	No
4.	Ralael Holdings Limited	Subsidiary	100.00%	No
5.	Jindal Saw Holdings FZE	Subsidiary	100.00%	No
6.	Greenray Holdings Limited	Subsidiary	100.00%	No
7.	JITF Shipyards Limited	Subsidiary	100.00%	No
8.	Jindal Intellicom Limited	Subsidiary	98.78%	No
9.	iCom Analytics Limited	Subsidiary	98.78%	No
10.	Jindal X LLC	Subsidiary	98.78%	No
11.	Jindal Saw Gulf L.L.C.	Subsidiary	100.00%	No
12.	World Transload and Logistics LLC	Subsidiary	100.00%	No
13.	5101 Boone LLP	Subsidiary	100.00%	No
14.	Tube Technologies INC	Subsidiary	100.00%	No
15.	Jindal Saw USA, LLC	Subsidiary	100.00%	No
16.	Jindal Saw Middle East FZE	Subsidiary	100.00%	No
17.	Derwent Sand SARL	Subsidiary	99.62%	No
18.	Helical Anchors INC	Subsidiary	100.00%	No
19.	Boone Real Property Holding LLC	Subsidiary	100.00%	No
20.	Drill Pipe International LLC	Subsidiary	100.00%	No
21.	Jindal Hunting Energy Services Limited	Subsidiary	51.00%	No
22.	Jindal MMG, LLC	Joint Venture	50.00%	No
23.	ReNew Surya Tejas Private Limited	Associate	31.20%	No

V. CSR Details

24. (i) Whether CSR is applicable as per section 135 of Companies Act, 2013: Yes
(ii) Turnover (in ₹.): 1,79,61,96,83,798.15
(iii) Net worth (in ₹.): 1,01,91,32,88,652.72

VI. 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 weblink for grievance redress policy)	FY 2023-24			FY 2022-23		
		Number of complaints filed during the year	Number of complaints pending resolution at close of the year	Remarks	Number of complaint filed during the year	Number of complaints pending resolution at close of the year	Remarks
Communities	Yes, at Jindal SAW we have a grievance redressal at place. Web link: https://jindal-saw.org/pdf/vigil-mechanism-policy-new.pdf	0	0	NA	0	0	
Investors (Other than shareholders)		0	0		0	0	
Shareholders		1	0		1	0	
Employees and workers		0	0		0	0	
Customers		25	0		29	0	
Value Chain Partners		0	0		0	0	
Others (Contract Employees & workers)		0	0		0	0	

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

Sr. 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	Product innovation, safety, and quality	Risk	Product innovation, quality, and safety issues can significantly impact our ability to meet customer demand and generate value for stakeholders. Any lapses in these areas can lead to reputational damage, loss of market share, and legal liabilities.	We enforce rigorous testing, compliance measures, and comprehensive quality management systems to proactively identify and address potential issues. Investing in employee training ensures our workforce maintains high standards. Our proactive measures include being one of the first in the industry to adopt ISO 45001 certification, demonstrating our commitment to safety and quality management. Global accreditation further validates our dedication to excellence.	Positive: Positive financial implications are anticipated as we prioritize product innovation and quality, aiming for increased customer satisfaction and revenue growth through value-added products.
2	Economic Value Distributed	Opportunity	Economic value distribution is integral to our stakeholder strategy, facilitating the allocation of financial resources towards strategic investments aligned with our defined strategic objectives.	NA	Positive. Economic value distribution is anticipated to enhance market capitalization, providing opportunities for fundraising to support growth.

Sr. 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)
3	Energy and Emissions Management	Risk	As regulatory and compliance requirements regarding climate change intensify, our business must adapt to evolving standards through appropriate investments. However, immediate returns on investments in energy and emission management are not immediately visible, posing financial uncertainties.	We prioritize energy-efficient processes and emission reduction initiatives. Continuous investments in managing energy and emission that leads to improvement in process efficiency, which underscores our commitment to sustainability.	Negative. Despite the lack of immediate ROI visibility, we prioritize initiatives for energy-efficient processes and reducing emissions. Investments in energy and emission management systems and technologies impact our financials, which we acknowledge as part of our strategic approach to sustainability and regulatory compliance.
4	Occupational Health and Safety	Risk	Our workforce forms the foundation of our operations, necessitating a commitment to providing a safe and healthy environment. Occupational health and safety incidents not only pose regulatory and reputational risks but also threaten business continuity and the well-being of our employees. Non-compliance could adversely affect operational efficiency and compromise our ability to meet customer demands.	We prioritize investments in assuring safe working environment and technology while maintaining comprehensive safety training programs to mitigate risks. Additionally, our well-equipped Occupational Health Centres (OHCs) underscore our commitment to employee well-being and safety.	Positive. Despite the investments required in maintaining these standards and ensuring a safe work environment, with safety technology and training, employee safety remains our paramount concern. The financial benefits of uninterrupted operations far outweigh the associated costs, safeguarding both our workforce and operational continuity.
5	Customer Satisfaction	Opportunity	Elevating customer satisfaction serves as a strategic avenue for driving market development, enhancing market penetration, and delivering superior value propositions to our clientele. Furthermore, it plays a pivotal role in strengthening the reliability of our brand, thereby facilitating sustained growth and profitability.	NA	Positive. Enhanced customer satisfaction translates into tangible benefits such as increased repeat orders and expanded market presence. This solidifies our positioning as a valued reliable partner, thereby yielding favourable financial outcomes and contributing to sustained business success.
6	Ethics and Compliance	Opportunity	Prioritizing ethics and compliance within our organization cultivates a conducive business environment which favours in furthering employee loyalty, consequently reducing attrition rates and enhancing talent attraction efforts. A motivated workforce inherently translates into heightened productivity and develops a cohesive organizational culture. Moreover, the emphasis on ethics and compliance not only contributes to employee morale but also facilitates cost savings through increased productivity and efficiency gains.	NA	Positive. A steadfast commitment to ethics and compliance yields tangible benefits such as heightened employee retention rates and cost savings associated with rehiring efforts. Additionally, it empowers us to surpass performance targets, thereby promoting sustainable business growth and success.
7	Risk, Opportunities and Crisis Management	Opportunity	Taking a proactive stance on crisis management not only enables the establishment of resilient systems but also positions the organization as a forward-thinking entity, staying ahead of industry competitors.	NA	Positive. Although the establishment of robust Health, Safety, and Environment (HSE) protocols and employee training initiatives require initial investments, the resulting prevention of avoidable operational disruptions yields substantial positive impacts, ultimately enhancing organizational resilience and sustainability.

Sr. 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)
8	Supply Chain Management	Opportunity	The current global scenario with respect to conflicts and instability has significantly disrupted supply chain systems, presenting an opportune moment for us to innovate and establish alternative SCM models. This strategic move not only positions us to navigate uncertainties but also allows us to gain a competitive edge in the market while optimizing production costs.	NA	Positive. Implementing a robust supply chain management strategy not only enhances operational efficiency but also provides improved customer satisfaction, thereby paving the way for sustainable business growth and profitability.
9	Employee Wellbeing	Opportunity	Prioritizing employee wellbeing is essential for the organization's sustainable growth. Despite the challenge of immediate ROI assessment, investing in employee wellbeing not only helps in attracting talent but also helps in retention and contributes to uplifting overall workforce morale.	NA	Positive. While implementing and maintaining employee wellbeing programs require initial investments and ongoing costs, the tangible benefits such as increased employee loyalty and longer average service tenure contribute to enhanced organizational performance and overall business success.
10	Water Management	Risk	Water, a vital yet limited resource, poses a significant risk due to its scarcity. Our commitment to efficient water management involves stringent monitoring and conservation efforts, including recycling practices. We ensure that our plants follow Zero Liquid Discharge (ZLD) mechanism for efficient water management and conservation.	Despite our efforts to minimize water usage in the manufacturing processes, the inherent risk lies in meeting discharge standards and addressing water scarcity concerns. To mitigate this risk, we prioritize water recycling initiatives and incorporate water reuse at various stages in our production processes.	Negative. While our direct water consumption remains relatively low, there are associated costs and investments required to maintain robust water management practices.
11	Waste Management	Risk	Despite our diligent efforts to minimize solid or hazardous waste generation, waste management remains a significant risk area within our operations.	Our waste management strategy primarily focuses on recycling and appropriate disposal practices for solid waste. Additionally, we utilize waste as a raw material input in our production processes to reduce environmental impact.	Negative. While our direct operations result in minimal waste generation, there are associated costs and investments required to maintain effective waste management practices. These expenditures, though essential, pose financial challenges to our operations.
12	Diversity and Inclusion	Opportunity	Developing a diverse and inclusive workplace culture, free from discrimination based on factors such as caste, creed, faith, gender, or reduced mobility, is paramount for organizational success. We are committed to cultivating an inclusive environment.	NA	Positive. Embracing diversity and inclusion not only enhances our organizational culture but also brings substantial value to our operations. This commitment to D&I contributes positively to employee morale, productivity, and overall business success.
13	Respect for Human Rights	Risk	Human rights considerations are often influenced by external factors beyond our direct control, making them inherently risky. Dependence on external environments and stakeholders can pose challenges in upholding human rights standards within our operations.	To mitigate this risk, we have established robust policies and procedures that encourages and facilitates continuous dialogue and collaboration among stakeholders to ensure a supportive work environment throughout the organization.	Positive. Investing in frameworks and guidelines for human rights preservation incurs marginal costs, however the benefits in maintaining a conducive work environment and upholding ethical standards which far outweigh the initial investments.

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.

Disclosure Section	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)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
b. Has the policy been approved by the Board? (Yes/No)	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No
c. Web Link of the Policies, if available	P1: <ul style="list-style-type: none"> Entertainment / Gifts Guidelines: https://www.jindalsaw.com/pdf/gift-guidelines.pdf Whistle Blower/ Vigil Mechanism: https://www.jindalsaw.com/pdf/vigil-mechanism-policy-new.pdf Board Diversity: https://www.jindalsaw.com/pdf/POLICY-ON-BOARD-DIVERSITY.pdf Related Party Transaction Policy: https://www.jindalsaw.com/pdf/policy-on-rpts-jindal-saw-ltd-final-2022.pdf Preservation of Documents: https://www.jindalsaw.com/pdf/Policy-of-Preservation-on-Documents.pdf Determining Material Subsidiaries: https://www.jindalsaw.com/pdf/POLICY-FOR-DETERMINING-MATERIAL-SUBSIDIARIES-10-2020.pdf Determination of Materiality of Events or Information: https://www.jindalsaw.com/pdf/Policy_for_Determination_of_Materiality_of_Events_or_Information_final.pdf Code of Conduct: https://www.jindalsaw.com/pdf/Policy-Code-of-Conduct.pdf Information Risk Management (IT): https://www.jindalsaw.com/pdf/IT-Information-And-Risk-Management-Policy.pdf P2: <ul style="list-style-type: none"> We have plant Specific QMS policies available on intranet with Corporate IMS policy under approval. P3: <ul style="list-style-type: none"> Prevention of Sexual Harassment (POSH): https://www.jindalsaw.com/pdf/posh-policy.pdf Code of Conduct: https://www.jindalsaw.com/pdf/Policy-Code-of-Conduct.pdf P4: <ul style="list-style-type: none"> Dividend Distribution: https://www.jindalsaw.com/pdf/Dividend-Distribution-Policy.pdf Jindal SAW's policies; Familiarization Programme for Independent Directors of Jindal SAW Limited P5: <ul style="list-style-type: none"> Prevention of Sexual Harassment (POSH): https://www.jindalsaw.com/pdf/posh-policy.pdf Whistle Blower/ Vigil Mechanism: https://www.jindalsaw.com/pdf/vigil-mechanism-policy-new.pdf Remuneration: https://www.jindalsaw.com/pdf/POLICY-REMUNERATION-POLICY-OF-JINDAL-SAW.pdf P6: <ul style="list-style-type: none"> EHS Policy P7: <ul style="list-style-type: none"> Corporate Social Responsibility: https://www.jindalsaw.com/pdf/CSR-Policy-2021.pdf 								

SECTION C: PRINCIPLE WISE PERFORMANCE DISCLOSURE

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	Percentage of persons in respective category covered by the awareness programmes
Board of Directors	2	Legal and Secretarial Compliances and Financials Overview	100%
Key Managerial Personnel	4	POSH, Health and Managerial Skill	100%
Employees other than BoD and KMPs	1,086	Safety, Environment, Human rights, Technical and Behavioural etc.	100%
Workers	1,029	Safety, Environment, Human rights, Technical and Behavioural etc.	100%

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 Obligations) 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	Nil	Nil	Nil	Nil	Nil
Settlement	Principle 1	SEBI	26,30,550	The Company had on its own, informed SEBI of the historical and inadvertent error in classification of one of the Promoter Group entities as a public shareholder in the shareholding pattern. Subsequently, SEBI issued a show cause notice dated 1st February 2022. In response to the show cause notice, the Company filed a reply on 22nd April 2022. In addition, the Company has also filed a settlement application with SEBI on 4th April 2022 for amicable settlement of the matter. The order in this matter was issued on 1st December 2023 in this regard.	No
Compounding Fee	Nil	Nil	Nil	Nil	Nil
Non-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)
Imprisonment	Nil	Nil	Nil	Nil	Nil
Punishment	Nil	Nil	Nil	Nil	Nil

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, as no appeal was preferred in monetary settlement.	

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.

Response:

Jindal SAW upholds a robust Employee Code of Conduct, which encompasses provisions addressing anti-corruption and anti-bribery measures. Complementing this policy is our Vigil Mechanism, established in accordance with Section 177 of the Companies Act, 2013, to effectively handle instances of corruption or bribery. Our Guiding Principles underscore the company's stance against accepting gifts, favours, or entertainment from parties with whom official dealings occur. Additionally, the misuse of any authority, position, or information for personal gain is strictly prohibited. Employees are also required to disclose any conflicts of interest in writing to mitigate potential conflicts between personal and company interests. Furthermore, the Company has an Entertainments & Gifts policy which outline the position of Jindal SAW Ltd. with respect to providing entertainment, gifts, and accepting the same from the suppliers/vendors of the Company. The policy can be accessed [here](#).

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	FY 2022-23
Directors	Nil	Nil
Key Managerial Personnel	Nil	Nil
Employees other than BoD and KMPs	Nil	Nil
Workers	Nil	Nil

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

	FY 2023-24		FY 2022-23	
	Number	Remarks	Number	Remarks
Number of complaints received in relation to issues of Conflict of Interest of the Directors	0	None	0	None
Number of complaints received in relation to issues of Conflict of Interest of the KMPs	0	None	0	None

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.

Response: Not Applicable.

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

	FY 2023-24	FY 2022-23
Number of days of accounts payables	96.16	77.49

9. Open-ness 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	FY 2022-23
Concentration of Purchases	a. Purchases from trading houses as % of total purchases.	18.79%	8.56%
	b. Number of trading houses where purchases are made from	40	36
	c. Purchases from top 10 trading houses as % of total purchases from trading houses	89.20%	87.17%
Concentration of Sales	a. Sales to dealers / distributors as % of total sales	5.4%	4.8%
	b. Number of dealers / distributors to whom sales are made	70	82
	c. Sales to top 10 dealers / distributors as % of total sales to dealers / distributors	85.0%	76.7%
Share of RPTs in	a. Purchases (Purchases with related parties / Total Purchases)	39.75%	45.71%
	b. Sales (Sales to related parties / Total Sales)	7.01%	4.37%
	c. Loans & advances (Loans & advances given to related parties / Total loans & advances)	89.26%	92.40%
	d. Investments (Investments in related parties / Total Investments made)	99.99%	100%

Leadership Indicators:

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

Total number of awareness	Topics / principles covered under the training	Percentage of value chain partners covered (by value of business done with such partners) under the awareness programmes
		Nil

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.

Response:

Yes, at Jindal SAW, we have in place processes to avoid and manage conflict of interests involving members of the Board. Within our governance framework, Jindal SAW prioritizes the stringent review of potential conflicts of interest among directors, adhering to best practices. Director disclosures regarding any such conflicts are diligently presented to the Board for collective consideration, ensuring transparent decision-making processes. Annual affirmations regarding adherence to our Code of Business Conduct and Ethics are obligatory for directors and senior management, underscoring our commitment to ethical governance. Additionally, our "Code of Conduct for Board of Directors" aligns with SEBI LODR and Companies Act, 2013, mandating avoidance of situations where personal interests may conflict with those of the Company. This commitment extends to enhancing a culture of disclosure and appropriate action in managing conflicts of interest, upholding the highest ethical standards.

PRINCIPLE 2

Businesses should provide goods and services in a manner that is sustainable and safe.

Essential Indicators:

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.

	FY 2023-24	FY 2022-23	Details of improvements in environmental and social impacts
R&D	0	21.60	R&D towards environmental and social impact of product and processes is an ongoing and integrated process.
Capex	4.48%	2.42%	The Company invests in specific technologies to improve the environment and social impacts of product and processes.

Research and Development is an ongoing and integrated process; therefore, no designated expenses have been allocated specifically under the category of Research and Development Expenditure

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

Response:

Yes, Jindal SAW has procedures in place for sustainable sourcing.

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

Response:

Average 87% inputs were sourced sustainably within India.

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:

Response:

Jindal SAW manufactures pipes and accessories made of iron and steel. The products feature coatings, having low environmental impact, on both internal and external surfaces. Minimum packaging materials are utilized for transporting products from manufacturing sites to customer locations. Moreover, no plastic, e-waste, or hazardous waste is generated at the end of the product life cycle.

4. Whether Extended Producer Responsibility (EPR) is applicable to the entity's activities (Yes / No). If yes, whether the waste collection plan is in line with the Extended Producer Responsibility (EPR) plan submitted to Pollution Control Boards? If not, provide steps taken to address the same.

Response:

No, Extended Producer Responsibility (EPR) is not applicable to the Company's products and services.

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?

Particulars	Product 1
NIC code	24106
Name of the product	Iron and steel products (Pipe and allied accessories)
% of total Turnover contributed	89.8%
Boundary for which the Life Cycle Perspective / Assessment was conducted	Cradle to Gate and Gate to Gate
Whether conducted by independent external agency (Yes/No)	Yes
Results communicated in public domain (Yes/No)	Yes
If yes, provide the web-link.	Weblink for the reports can be accessed through following links: Report 1 , Report 2 , Report 3

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 / Service	Description of the risk / concern	Action Taken
Iron and steel products (Pipe and allied accessories)	No significant social or environmental concern or risk arises from production or disposal of the product were identified as all the products are recyclable.	No action required

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	FY 2022-23
Nutcoke	1.64%	0.73%
Cokefines	1.14%	0.75%
Iron Ore Fines	7.63%	7.50%
Sinter Fines	7.39%	6.05%
Sand	85.93%	83.94%
MS Scrap	1.37%	0.71%

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

Indicate input material	FY 2023-24			FY 2022-23*		
	Re-used	Recycled	Safely Disposed	Re-used	Recycled	Safely Disposed
Plastics (including packaging)	0	0	0	0	0	0
E-waste	0	0	0	0	0	0
Hazardous Waste	0	0	0	0	0	0
Other Waste	0	0	0	0	0	0

*Response for FY 2022-23 has been rectified as Jindal SAW manufactures pipes and accessories made of iron and steel no plastic, e-waste, or hazardous waste is generated at the end of the product life cycle.

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
	Not Applicable

PRINCIPLE 3

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

Essential Indicators:

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

Category	Percentage of Employees (Permanent and Other 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	3,947	3,947	100%	3,947	100%	0	0%	0	0%	0	0%
Female	89	89	100%	89	100%	89	100%	0	0%	89	100%
Total	4,036	4,036	100%	4,036	100%	89	100%	0	0%	89	100%
Other Than Permanent Employees											
Male	497	0	0%	497	100%	0	0%	0	0%	0	0%
Female	7	0	0%	7	100%	7	100%	0	0%	7	100%
Total	504	0	0%	504	100%	7	100%	0	0%	7	100%

*Other than Permanent Workers are covered under Work Plan Compensation Policy

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

Category	Percentage of workers covered by										
	Total (A)	Health Insurance		Accident Insurance		Maternity Benefits		Paternity Benefits		Day-care Facilities	
		Number	% (B/A)	Number (C)	% (C/A)	Number (D)	% (D/A)	Number (E)	% (E/A)	Number (F)	% (F/A)
Permanent Workers											
Male	3,481	3,481	100%	3,481	100%	0	0%	0	0%	0	0%
Female	0	0	0%	0	0%	0	0%	0	0%	0	0%
Total	3,481	3,481	100%	3,481	100%	0	0%	0	0%	0	0%
Other than Permanent Workers											
Male	12,508	0	0%	0	0%	0	0%	0	0%	0	0%
Female	178	0	0%	0	0%	178	100%	0	0%	178	100%
Total	12,686	0	0%	0	0%	178	100%	0	0%	178	100%

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

	FY 2023-24	FY 2022-23
Cost incurred on well-being measures as a % of total revenue of the Company	0.09%	0.09%

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

Benefits	FY 2023-24			FY 2022-23		
	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 percentage of total workers	Deducted and deposited with the authority (Y/N/N.A.)
PF	100%	100%	Yes	100%	100%	Yes
Gratuity	100%	100%	Yes	100%	100%	Yes
ESI	1.10%	1.83%	Yes	2%	18%	Yes

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.**

Response: Yes, some of the Jindal SAW's the premises/offices are accessible to differently abled employees and workers in compliance with the Rights of Persons with Disabilities Act, 2016.

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.**

Response:

Jindal Saw strives to create a workplace that is inclusive and free from discrimination. The Company follows Rights of Persons with Disabilities Act, 2016 to ensure equal opportunities for all employees regardless of ability. The Company prioritizes respect for individuality and is dedicated to fostering a safe and supportive work environment free from prejudice, gender bias, and sexual harassment. It guarantees that no employee faces disadvantage due to disability and upholds equal opportunities for all.

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	NA	NA	NA	NA
Female	NA	NA	NA	NA
Total	NA	NA	NA	NA

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.**

Category	Yes/No (If Yes, then give details of the mechanism in brief)
Permanent Workers	Yes, Jindal SAW has an Employee Code of Conduct and a grievance management procedure in place to address and resolve grievances of both permanent and other than permanent employees as well as workers. Employees and workers can report grievances through a designated point-of-contact and a unique email ID.
Other than Permanent Workers	
Permanent Employees	
Other than Permanent Employees	

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

Category	FY 2022-23			FY 2021-22		
	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						
Male	0	0	NA	0	0	NA
Female	0	0	NA	0	0	NA
Total Permanent Workers						
Male	0	0	NA	0	0	NA
Female	0	0	NA	0	0	NA

8. **Details of training given to employees and workers:**

Category	FY 2022-23					FY 2021-22				
	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	3,947	3,947	100%	3,947	100%	3,787	3,787	100%	2,569	67.84%
Female	89	89	100%	89	100%	59	59	100%	30	50.85%
Total	4,036	4,036	100%	4,036	100%	3,846	3,846	100%	2,599	67.58%
Workers										
Male	3,481	3,481	100%	3,481	100%	3,671	3,671	100%	1,500	40.86%
Female	0	0	0	0	0	0	NA	NA	NA	NA
Total	3,481	3,481	100%	3,481	100%	3,671	3,671	100%	1,500	40.86%

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

Category	FY 2023-24			FY 2022-23		
	Total (A)	No.(B)	% (B/A)	Total (C)	No.(D)	% (D/C)
Employees						
Male	3,947	3,879	98.27%	3,787	3,787	100%
Female	89	66	74.15%	59	59	100%
Total	4,036	3,945	97.74%	3,846	3,846	100%
Workers						
Male	3,481	3,182	91.41%	3,671	3,671	100%
Female	0	0	0%	0	0	100%
Total	3,481	3,182	91.41%	3,671	3,671	100%

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 such system?**

Response:

Yes, an Occupational Health and Safety Management System (OHSMS) has been implemented by Jindal SAW, adhering to the ISO 45001 standards across most of its units and is already in the process of being implemented in the remaining units. The coverage of this management system extends comprehensively across all operations within the plant boundaries, ensuring a systematic approach to identifying, assessing, and managing occupational health and safety risks. This includes measures aimed at promoting a safe working environment, preventing work-related injuries and illnesses, and complying with relevant regulatory requirements. This approach ensures that the system remains aligned with the overarching safety principles of the Company.

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

Response:

Jindal SAW employs a documented process to identify work-related hazards and assess risks on a routine and non-routine basis, including safety walks, routine checkups, periodic inspections, a work permit system, safety committee meetings, health checkups, and audits. Additionally, risk assessment is conducted through a Hazard Identification and Risk Assessment (HIRA) methodology to identify significant risks and implement appropriate measures for risk mitigation.

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

Response:

Jindal SAW employs various methods across its plants for workers to report hazards and remove themselves from risks. These include near miss reporting, safety meetings, Safety Toolbox Talks, an observation system via the "Safety Portal," and communication channels such as internal mail and phone. Hazard evaluation is conducted through methods like risk assessment and Hazard Identification and Risk Assessment (HIRA).

Additionally, the Company has established a process known as the Stop Work Authority (SWA) to address work-related hazards. If any employee or worker identifies a hazard posing significant risk, they are required to report it to their immediate supervisor in accordance with the SWA procedure. Furthermore, they have the authority to remove themselves from the workplace until the hazard is addressed.

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

Response:

Yes, all employees and workers of Jindal SAW have access to non-occupational medical and healthcare services. This includes onsite medical facilities such as Occupational Health Centers (OHC) or access to medical consultants and trained paramedic staff available round the clock. Additionally, all permanent employees and workers are covered by a medical insurance policy.

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

Safety Incident/Number	Category	FY 2023-24	FY 2022-23*
Lost Time Injury Frequency Rate (LTIFR) (per one million-person hours worked)	Employees	1.37	0.63
	Workers	0.90	0.80
Total recordable work-related injuries	Employees	15	14
	Workers	35	36
No. of fatalities	Employees	0	1
	Workers	2	1
High consequence work-related injury or ill-health (excluding fatalities)	Employees	0	0
	Workers	0	0

* LTIFR data for FY 2022-23 for Bellary plant has been rectified.

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

Response:

Jindal SAW is committed to creating a safe, healthy and environmentally responsible work environment across all its plants. The Company undertakes the following initiatives to maintain health and safety for all its employees and workers:

- Conducting regular inspections, training programs, visual communications and performance reviews to promote safety awareness.
- Several plants of the Company hold ISO 45001:2018 certification for occupational health and safety, to foster a safer work environment.
- Safety inductions, hazard identification programs and daily safety inspections are routine practices across several facilities.
- Pre-employment checkups, periodic health monitoring and on-the-job safety training are provided.
- Conducting safe practices through observation programs, established safety norms and regular audits.
- The Company adheres to ISO 14001:2015 standards for environmental programs and ISO 9001:2015 for quality management.

Jindal SAW's comprehensive approach to safety, health and environmental responsibility demonstrates its commitment to creating a sustainable and healthy work environment for their employees and workers, across all of its facilities.

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

	FY 23-24			FY 22-23		
	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	0	0	NA	0	0	NA
Health and Safety	0	0	NA	0	0	NA

14. Assessments for the year:

Percentage 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 and safety practices and working conditions.

Response:

Jindal SAW demonstrates a strong commitment to safety at all of its facilities through the following

- Rigorous incident investigations and regular safety meetings ensure a proactive approach to addressing safety concerns.
- Measures such as installing guards on machinery, fencing hazardous areas and improving procedures for slag removal and worker safety are taken at the plants.
- Technological equipment such as smart cameras and geo-fencing are installed to prevent and monitor accidents. Continuous developments are being done for safety improvements across of the plants for efficient monitoring of safety measures.
- Trainings on proper PPE usage, air receiving testing and fire extinguisher maintenance are carried out on a periodic basis to ensure safety protocols.
- Safety briefings are provided to workers in high-risk areas such as CO2 repair zone. Additionally, daily checks ensure proper PPE usage, identifies gaps in walkways and monitor condition of safety mats.

Leadership Indicators

1. Does the entity extend any life insurance or any compensatory package in the event of death of:

(a) Employees (Y/N): Yes

(b) Workers (Y/N): Yes

Jindal SAW offers a compensatory package to all employees and workers in the event of death due to non-occupational ill health or sudden non-occupational accidents. However, in the case of death resulting from occupational accidents, coverage is provided through life insurance.

2. Provide the measures undertaken by the entity to ensure that statutory dues have been deducted and deposited by the value chain partners.

Response: Jindal SAW monitors and ensures the deduction and deposition of all statutory dues by key value chain partners. In cases of reported non-compliance, appropriate action is taken against the respective value chain partner.

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 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 23-24	FY 22-23	FY 23-24	FY 22-23
Employees	0	0	0	0
Workers	2	1	0	1

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)

Response: Yes, Jindal SAW offers transition assistance programs to support ongoing employability and manage career transitions for permanent employees upon retirement, based on their potential and specific needs. However, this provision does not apply in cases of termination of permanent employment for employees or workers.

5. Details on assessment of value chain partners:

Percentage of value chain partners (by value of business done with such partners) that were assessed	
Health and safety practices	0%
Working Conditions	0%

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:

Response: Not Applicable

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.

Response: Jindal SAW follows the process of identification of stakeholders through interaction between various levels of management personnel, benchmarking with competitors and interaction with external stakeholders.

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

Stakeholder group	Whether identified as Vulnerable and 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 / others – please specify)	Purpose and scope of engagement including key topics and concerns raised during such engagement
Vendors	No	Emails, exhibitions, meetings, seminars, websites, business meets	Frequent and as and when required	We are cognisant of the needs and expectations of all our stakeholders. We constantly strive to maximise the value creation for our stakeholders through continual communication. This also helps us to achieve the objective of understanding their concerns and perspective about our company, address their present and future needs. Continuous engagement helps us to mitigate and adapt to the potential risks critical to our business operations.
Campuses/ Institutes	No	Networking through meetings, brainstorming sessions, discussions, etc. Investors – Analyst meets and conference calls	Annually	
Employees	No	Emails and meetings, Trainings, awareness programs, Notice boards	Frequent and as and when required	
Shareholders and Investors	No	General Meetings, Notice boards, publications, and annual reports	Frequent and as and when required	
Customers	No	Official communication channels, advertisements, website and social media, phone calls, emails, and meetings	Frequent and as and when required	
Dealers and Distributors	No	Dealer meetings, phone calls, emails, discussions	Frequent and as and when required	
Community	No	Need assessment, Meetings and briefings, Partnerships in community development projects, Training and workshops, Impact assessment surveys, website and social media, complaints and grievance mechanism	Frequent and as and when required	

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.

Response:

Jindal SAW values open communication channels with internal stakeholders, ensuring their input is sought and considered before making significant decisions that affect them. Moreover, we actively engage with external stakeholders to gauge the economic, environmental, and social impact of our operations on them. Their feedback and suggestions are carefully reviewed and incorporated into our decision-making processes, reflecting our commitment to responsible and inclusive business practices.

2. Whether stakeholder consultation is used to support the identification and management of environmental, and social topics (Yes / No). 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.

Response: Yes.

Jindal SAW conducted a comprehensive materiality assessment to identify significant environmental, social, and governance (ESG) issues, engaging with stakeholders to prioritize key concerns. This exercise, undertaken during FY2022-23, led to the identification of 13 high-priority topics crucial for both the Company and stakeholders. Stakeholder consultations and materiality assessments played a pivotal role in this process, guiding the development of key performance indicators (KPIs) aligned with our strategic objectives.

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

Response: As part of its Corporate Social Responsibility (CSR) initiatives, Jindal SAW actively engages with vulnerable and marginalized groups on a consistent basis, demonstrating our commitment to social impact. We prioritize ongoing interaction with these communities, ensuring regular support and assistance are provided where needed.

PRINCIPLE 5

Businesses should respect and promote human rights.

Essential Indicators:

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

Category	FY 2023-24			FY 2022-23		
	Total (A)	No. of Employees/ Workers covered (B)	% (B/A)	Total (A)	No. of Employees/ Workers covered (B)	% (B/A)
Employees						
Permanent	4,036	4,036	100%	1,855	1,855	100%
Other than Permanent	504	504	100%	1,991	1,991	100%
Total	4,540	4,540	100%	3,846	3,846	100%
Workers						
Permanent	3,481	3,481	100%	3,771	3,771	100%
Other than Permanent	12,686	12,686	100%	7,900	7,900	100%
Total	16,167	16,167	100%	11,671	11,671	100%

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

Category	FY 2023-24					FY 2022-23				
	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. (B)	% (B/A)		No. (E)	% (E/D)	No. (F)	% (F/D)
Permanent Employees										
Male	3,947	0	0%	3,947	100%	1,799	0	0%	1,799	100%
Female	89	0	0%	89	100%	56	0	0%	56	100%
Other than Permanent Employees										
Male	497	0	0%	497	100%	1,988	0	0%	1,988	100%
Female	7	0	0%	7	100%	3	0	0%	3	100%
Permanent Workers										
Male	3,481	0	0%	3,481	100%	3,671	0	0%	3,671	100%
Female	0	0	0%	0	0%	0	0	0%	0	0%
Other than Permanent Workers										
Male	12,508	6,622	52.94%	5,886	47.06%	7,714	0	0%	7,714	100%
Female	178	136	76.40%	42	23.60%	186	0	0%	186	100%

All the permanent and other than permanent employees and permanent workers at Jindal SAW are paid wages above minimum wage.

3. Details of remuneration/salary/wages, in the following format:

a. Median remuneration/wages:

Category	Male		Female	
	Number	Median remuneration/ salary/ wages of respective category	Number	Median remuneration/ salary/ wages of respective category
Board of Directors (BoD)	2	4,57,91,508	3	2,00,00,004
Key Managerial Personnel	2	1,62,87,810	0	NA
Employees other than BoD and KMP	3,943	6,93,665	86	5,74,644
Workers	3,481	3,94,620	0	NA

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

	FY 2023-24	FY 2022-23
Gross wages paid to females as % of total wages	2.38%	1.36%

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)

Response: Yes, Jindal SAW has established a committee at the Head Office and appointed representatives at the plant level to address human rights issues. The Company's policies, procedures, and systems are designed to ensure the protection of individual human rights.

5. Describe the internal mechanisms in place to redress grievances related to human rights issues.

Response: Jindal SAW is committed to safeguarding the human rights concerns of its employees and provides proper frameworks for employees to report grievances, as outlined in our Whistleblower policy. The Company has a dedicated committee for investigating sexual harassment complaints under the POSH Act, which prioritizes confidentiality throughout the process. Additionally, Jindal SAW has a suggestion scheme where employees can propose improvements and a separate grievance redressal committee to handle general workplace issues, including human rights violations. This committee ensures prompt and effective resolution of complaints. Overall, Jindal SAW's internal mechanisms aim to create an inclusive work environment where all employees are treated with dignity and respect, and their concerns are addressed fairly and transparently.

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

Particulars	FY 2023-24			FY 2022-23		
	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	0	0	None	0	0	None
Discrimination at workplace	0	0	None	0	0	None
Forced Labour/Involuntary Labour	0	0	None	0	0	None
Wages	0	0	None	0	0	None
Other human rights related issues	0	0	None	0	0	None

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

	FY 2023-24	FY 2022-23
Total Complaints reported under Sexual Harassment on of Women at Workplace (Prevention, Prohibition and Redressal) Act, 2013 (POSH)	0	0
Complaints on POSH as a % of female employees/workers	0%	0%
Complaints on POSH upheld	0	0

8. Mechanisms to prevent adverse consequences to the complainant in discrimination and harassment cases.

Response: Jindal SAW understands the sensitivity of such cases and has a defined mechanism to maintain the confidentiality and protect the privacy of both the complainant and the respondent throughout the process to mitigate any potential retaliation or adverse consequences.

9. Do human rights requirements form part of your business agreements and contracts? (Yes/No)

Response: No

10. Assessments for the year:

	Percentage of your plants and offices that were assessed (By entity or statutory authorities or third parties)
Child Labour	0%
Forced/involuntary labour	0%
Sexual harassment	0%
Discrimination at workplace	0%
Wages	0%
Others – please specify	0%

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

Response: No significant risks or concerns were reported regarding child labour, forced labour, sexual harassment, workplace discrimination, or wage issues. As a result, no corrective actions were necessary to address or resolve these issues.

Leadership Indicators:

1. Details of a business process being modified / introduced as a result of addressing human rights grievances/complaints

Response: Jindal SAW has a structured procedure for managing employee grievances, addressing human rights complaints effectively. No modifications were made to this procedure during FY 2023-24.

2. Details of the scope and coverage of any Human rights due diligence conducted.

Response: Jindal SAW did not conduct any Human rights due diligence in 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?

Response: Yes. Jindal SAW's premise/office complies with the provisions of the Rights of Persons with Disabilities Act, 2016, ensuring accessibility for visitors with disabilities.

4. Details on assessment of value chain partners:

	Percentage of your plants and offices that were assessed (By entity or statutory authorities or third parties)
Sexual harassment	0%
Discrimination at workplace	0%
Child Labour	0%
Forced/involuntary labour	0%
Wages	0%
Others – please specify	0%

5. Provide details of any corrective actions taken or underway to address significant risks/concerns arising from the assessments at Question 4 above.

Response: Not Applicable

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 (GJ)	FY 2022-23 (GJ)
From renewable sources		
Total electricity consumption (A)	79,262.23	16,798.22
Total fuel consumption (B)	0	0
Energy consumption through other sources (C)	0	0
Total energy consumption from renewable sources (A+B+C)	79,262.23	16,798.22
From non-renewable sources		
Total electricity consumption (D)	26,35,699.01	20,45,509.73
Total fuel consumption (E)	1,51,23,914.84	1,32,33,669.59
Energy consumption through other sources (F)	0	0
Total energy consumed from non-renewable sources (D+E+F)	1,77,59,613.85	1,52,79,179.33
Total energy consumed (A+B+C+D+E+F)	1,78,38,876.09	1,52,95,977.55
Energy intensity per crore rupee of Turnover (Total energy consumption/ turnover in rupees)	993.15	1,387.73
Energy intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total energy consumed / Revenue from operations adjusted for PPP)	NA	NA
Energy intensity in terms of physical output	10.39	5.45
Energy intensity (optional) – the relevant metric may be selected by the entity	NA	NA

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency: No

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.

Response: No, Jindal SAW has no sites or facilities identified as designated consumers under the PAT scheme.

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

Parameter	FY 2023-24	FY 2022-23
Water withdrawal by source (in kilolitres)		
(i) Surface water	9,76,850.00	7,27,574.00
(ii) Groundwater	5,42,058.00	2,42,292.00
(iii) Third party water (Tanker water)	1,16,24,175.00	3,43,353.00
(iv) Seawater / desalinated water	16,11,626.00	8,25,122.00
(v) Bottled water	37,755.81	14,27,480.00
Total volume of water withdrawal (in kilolitres) (i + ii + iii + iv + v)	1,47,92,465.81	35,65,821.00
Total volume of water consumption (in kilolitres)	1,47,92,465.81	33,48,747.00
Water intensity per crore rupee of turnover (Total water consumption/Revenue from operations)	823.54	303.82
Water intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total water consumption/ Revenue from operations adjusted for PPP)	NA	NA
Water intensity in terms of physical output	8.62	1.19
Water intensity (optional) – the relevant metric may be selected by the entity	NA	NA

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.: No

4. Provide the following details related to water discharged:

Parameter	FY 2023-24	FY 2022-23
Water discharge by destination and level of treatment (in kilolitres)		
(i) To Surface water	All the plants follow Zero Liquid Discharge (ZLD) mechanism; hence the water discharge is Nil .	
- No treatment		Nil
- With treatment – please specify level of treatment		28,377.30
(ii) To Groundwater		
- No treatment		Nil
With treatment – please specify level of treatment		Nil
(iii) To Seawater		
- No treatment		Nil
- With treatment – please specify level of treatment		Nil
(iv) Sent to third-parties		
- No treatment	Nil	
- With treatment – please specify level of treatment	21,339.00	
(v) Others		
- No treatment	Nil	
- With treatment – please specify level of treatment	Nil	
Total water discharged (in kilolitres)		49,716.30

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency: No.

5. Has the entity implemented a mechanism for Zero Liquid Discharge? If yes, provide details of its coverage and implementation.

Response: Yes, Jindal SAW has implemented Zero Liquid Discharge (ZLD) mechanisms at its manufacturing plants. Jindal SAW is committed to minimizing its environmental impact through water conservation and recycling efforts. All the manufacturing plants utilize advanced treatment facilities like Effluent Treatment Plants and Sewage Treatment Plants to ensure proper treatment of wastewater. Additionally, Jindal SAW utilizes Zero Liquid Discharge (ZLD) mechanisms and rainwater harvesting/groundwater recharge structures to preserve and replenish groundwater. Domestic wastewater from office toilets is treated using Geo Green Bio-filter technology.

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	FY 2022-23
NOx	mg/Nm ³	35.70	11.31
SOx	mg/Nm ³	31.20	12.77
Particulate Matter (PM10)	mg/Nm ³	92.54	29.01
Particulate Matter (PM2.5)	mg/Nm ³	52.90	0
Persistent organic pollutants (POP)	mg/Nm ³	0	0
Volatile organic compounds (VOC)	mg/Nm ³	0	0
Hazardous air pollutants (HAP)	mg/Nm ³	0	0
Others – please specify	mg/Nm ³	0	17.44

Air Emissions for FY 2022-23 have been recalculated and rectified.

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.: Yes, Independent assurance has been carried out by Bureau Veritas India Pvt. Ltd. at Samaghogha and Pragpar plants.

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	FY 2022-23
Total Scope 1 emissions (Break-up of the GHG into CO ₂ , CH ₄ , N ₂ O, HFCs, FCs, SF ₆ , NF ₃ , if available)	Metric tonnes of CO ₂ equivalent	14,39,915.38	11,00,169.72
Total Scope 2 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	5,24,211.25	3,23,328.18
Total Scope 1 and Scope 2 emission intensity per crore rupee of turnover (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations)	Metric tonnes of CO ₂ equivalent	109.35	129.15
Total Scope 1 and Scope 2 emission intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total Scope 1 and Scope 2 GHG emissions / Revenue from operations adjusted for PPP)		NA	NA
Total Scope 1 and Scope 2 emission intensity in terms of physical output		1.14	0.51
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) If yes, name of the external agency.: Yes, Independent assurance has been carried out by Bureau Veritas India Pvt. Ltd. at Samaghogha and Pragpar plants.

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

Response:

Jindal SAW has implemented various initiatives to reduce greenhouse gas emissions:

- Installed New On grid roof top solar plant of capacity 50 KW at Bhilwara plant.
- Transitioned from conventional auto circuit to relay-based circuit, reducing stamping time from 40 minutes to 30 minutes.
- Implemented GSM starters at the pump house for efficient pump operation and improved energy efficiency and reduced carbon footprint.
- Adopted cutting-edge technologies to control emissions and enhance environmental conditions, emphasizing energy management to enhance process efficiency, improve raw material quality, and explore alternative fuel sources.
- Installed LED bulbs and shop floors as well as replaced traditional MH and SV lamps with LED streetlight to minimize energy consumption.
- Installed a 160 kW AC Drive to reduce energy consumption of the connected motor load.

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

Parameter	FY 2023-24	FY 2022-23
Total Waste generated (in metric tonnes)		
Plastic waste (A)	819.06	90.10
E-waste (B)	42.37	21.65
Bio-medical waste (C)	9.41	7.38
Construction and demolition waste (D)	0.00	500.00
Battery waste (E)	55.89	19.87
Radioactive waste (F)	0.02	0.00
Other Hazardous waste. Please specify, if any. (G)		
Common Hazardous Waste Collection, Treatment, Storage and Disposal Facilities	0.00	2,995
Used Oil	71.38	26.46
Zinc Dust	791.48	773.86
Used Empty Drums (Oil drums, Plastic drums/cans/filers, MS Drums)	808.30	451.81
Oily Socked Cotton waste	14.76	3.60
ETP Sludge, Processing sludge and Paint sludge	2,138.59	223.46
Epoxy paint waste	240.25	-
Chemical waste	0.64	-
Others	49.64	233.28
Other Non-hazardous waste generated (H). Please specify, if any. (Break-up by composition i.e. by materials relevant to the sector)		
Paper & packaging material waste	374.14	-
Plastic empty bags	0.21	-
Wood waste	512.85	-
Electrical material waste	34.19	-
Mechanical material waste	2,810.19	-
Civil material waste	575.78	-
Sand waste	1,958.00	-
Overburden and Tailing	1,62,64,912.00	1,42,51,927.00
Metal Waste	1,31,341.24	74,271.91
Total (A+B + C + D + E + F + G + H)	1,64,07,560.40	1,43,31,545.38
Waste intensity per rupee of turnover (Total waste generated / Revenue from operations)	913.46	1,300.24
Waste intensity per rupee of turnover adjusted for Purchasing Power Parity (PPP) (Total waste generated / Revenue from operations adjusted for PPP)	NA	NA
Waste intensity in terms of physical output	9.56	5.11
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)		
(i) Recycled	12,275.85	75,565.50
(ii) Re-used	927.27	61,668.00
(iii) Other recovery operations	0.00	85.21
Total	13,203.13	1,37,318.71
For each category of waste generated, total waste disposed by nature of disposal method (in metric tonnes)		
(i) Incineration	1,584.80	15.75
(ii) Landfilling	2,567.45	3,228.27
(iii) Other disposal operations	0.00	3.20
Total	4,152.25	3,247.22

Note: Indicate if any independent assessment/ evaluation/assurance has been carried out by an external agency? (Y/N) If yes, name of the external agency.: No.

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.

Response: Jindal SAW is committed to sustainable waste management practices to ensure environmental sustainability and compliance with regulatory standards. The Company prioritises responsible waste management across its facilities to comply with ISO 14001 standards and minimize environmental impact. A well-established waste segregation system separates hazardous and non-hazardous waste for proper disposal, utilizing five color-coded disposal bins for smooth segregation. Hazardous waste is dispatched to registered recyclers or certified treatment facilities, while e-waste is handled by authorized recyclers. Industrial wastewater undergoes treatment in dedicated Effluent Treatment Plants (ETP), and sewage is treated in Sewage Treatment Plants (STP). The Company also employs Best Available Technology (BAT) to optimize waste management practices and adopts alternative non-destructive testing methods to minimize waste production.

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:

S. no.	Location of operations/offices	Type of operations	Whether the conditions of environmental approval / clearance are being complied with? (Y/N) If no, the reasons thereof and corrective action taken, if any.
Not applicable			

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

Response: Not Applicable

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). 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	Any fines /penalties/action taken by regulatory agencies such as pollution control boards or by courts	Corrective action taken if any
Not applicable				

Jindal SAW maintains rigorous internal controls to ensure compliance with guidelines and standards set by CPCB/SPCBs.

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:** New Delhi, Indore, Bhilwara, Samaghogha and Paragpar, Nanakapaya, Kosi Kalan, Nashik and Haresamudram
- (ii) **Nature of operations:** Manufacturing of Iron and steel products (Pipe and allied accessories) and Pellets
- (iii) **Water withdrawal, consumption and discharge in the following format:**

Parameter	FY 2023-24	FY 2022-23
Water withdrawal by source (in kilolitres)		
(i) Surface water	4,91,308.00	Nil
(ii) Groundwater	5,01,998.00	10,607.00
(iii) Third party water	1,16,24,175.00	3,02,647.00
(iv) Seawater / desalinated water	13,37,570.00	Nil
(v) Others (Bottled water)	37,504.00	20,11,597.00
Total volume of water withdrawal (in kilolitres)	1,39,92,555.00	23,24,851.00
Total volume of water consumption (in kilolitres)	1,39,92,555.00	23,00,830.00
Water intensity per crore rupee of turnover (Water consumed / turnover)	779.01	208.74
Water intensity (optional) – the relevant metric may be selected by the entity	Nil	Nil
Water discharge by destination and level of treatment (in kilolitres)		
(i) Into Surface water	All the plants follow Zero Liquid Discharge (ZLD) mechanism; hence the water discharge is Nil .	Nil
• No treatment		Nil
• With treatment – please specify level of treatment		Nil
(ii) Into Groundwater		Nil
• No treatment		Nil
• With treatment – please specify level of treatment		Nil
(iii) Into Seawater		Nil
• No treatment		Nil
• With treatment – please specify level of treatment		Nil
(iv) Sent to third-parties		Nil
• No treatment		21,339.00
• With treatment – please specify level of treatment		
(v) Others		Nil
• 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) If yes, name of the external agency.

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

Particulars	Unit	FY 2023-24	FY 2022-23
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	The Company is currently in the process of calculating Scope 3 emissions and shall report on them next year.	
Total Scope 3 emissions per rupee of turnover	Metric tonnes of CO ₂ equivalent		
Total Scope 3 emission intensity (optional) – the relevant metric may be selected by the entity	Metric tonnes of CO ₂ equivalent		

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.

Response: Not Applicable

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	Outcome of the initiative
1.	Energy Efficiency Initiatives for Elgi Compressor	Installed AC Drive of 160 kw to reduce energy consumption of connected motor load	Saved half-yearly cost saving of ₹15,12,000.
2.	Seamless Hydro Tester High-Pressure Pump	RPM reduction and improved pressure control for the pump for Enhanced efficiency and cost savings in hydro testing operations.	Daily power consumption of 127 units, resulting in half-yearly cost saving of ₹2,28,600.
3.	Welded Hydrotester High-Pressure Pump	RPM reduction and enhanced pressure control to achieve improved energy efficiency in welding operations.	Daily power consumption to 97 units, resulting in a half-yearly cost saving of ₹1,74,600.
4.	Automatic Timer Installation for Shed Lights	Installation of timers for shed lights for energy efficiency and cost savings in lighting operations.	Reduction in daily electricity consumption by 54 units, leading to an annual cost saving of ₹1,94,400.
5.	Installation of Shifted Die Induction Heating Machine	Installed Shift Die induction heating machine to prevent unwanted breakdown due to moisture.	Reduced maintenance costs and enhanced operational reliability along with cost saving of ₹20,000 monthly spare parts.
6.	Cooling Tower Running Indication near Pilger Machine	Indication installation near Pilger machine to reduce machine downtime by heating issues for improved efficiency.	Saved 60 minutes of production time per month, resulting in cost saving of ₹1,50,116 per month.
7.	Multiple Operation on Single Junction Box at TR3	Implemented multiple operations on single junction box at TR3 for enhanced operational efficiency.	Saved ₹1,10,591 in spare parts.
8.	Installation of New HT panel and in-house commissioning	Installed new HT panel and in-house commissioning to reduce dependency and machine downtime.	Saved ₹40,000 in service charges.
9.	Technology Absorption Plans	Planned replacement of old manual power factor panel with Hybrid i-PFC and Harmonic Correction System.	Enhanced power factor correction and reduced harmonic distortions for improved efficiency.
10.	Optimisation of Coal Handling System	Shut down 16-hour operation of BC-7 belt conveyor of 3.7 kW motor capacity in Coke Oven-2. Installed bypass chute for coal conveying.	Annual motor power saving of ₹1,74,485 achieved.
11.	Installation of LED lights	Replaced 16 conventional HPSV lights with LED lights to achieve enhanced energy efficiency and reduced electricity consumption.	Achieved annual cost saving of ₹18,382.
12.	Maintenance of Power Factor	Maintained power factor at 0.95 and above at Paragpar plant for enhanced efficiency of electrical systems and equipment.	Improved overall power quality and reduced reactive power losses.

Sr. No	Initiative undertaken	Details of the initiative	Outcome of the initiative
13.	CCM Motor Conversion	Modifying pipe extractor motor of all CCMs from 110 kW DC motor to 90 kW AC motor for reduced start-up power demands and enhanced component protection.	Reduced energy consumption in CCM-Z. Initiating the same conversion in CCM-U, V, W, X & Y in SDP-1 plant. Expected cost-saving from lower rating motor work is ongoing during shutdown SDP-1 2024.
13.	Water Conservation initiatives	Various water conservation initiatives are taken at the Bhilwara plant which include: <ul style="list-style-type: none"> Treating water through Sewage Treatment Plant (STP) utilizing Cyclic Activated Sludge (C-Tech) & Sequential Batch Reactor (SBR) technologies. The treated water is utilized for mining, mineral beneficiation, pellet process, cooling, dust suppression, horticulture/plantation. Utilised thickeners, ceramic disc filters, and advanced filter press technologies for water recovery from tailings and concentrate during ore beneficiation. Treated domestic wastewater from office toilets using Geo Green Bio-filter technology. Treated water utilized for plantation, reducing reliability on freshwater sources. Installed rainwater harvesting and groundwater recharge structures in mining, beneficiation, and pellet plant areas. 	The initiatives taken for water conservation at Bhilwara plant led to the following impacts: <ul style="list-style-type: none"> Recovered 14,57,405 m³ water during current financial year. Reused recovered water from ore beneficiation process within plant processes, minimizing water consumption and discharge. Preserved and recharged groundwater, promoting sustainable water management practices.
14.	Raw Material Utilization for Pellet Production	At Bhilwara plant, following initiatives are taken for resource optimization: <ul style="list-style-type: none"> Incorporating alternative iron-bearing materials to enhance sustainability of iron ore mines reserve. Outsourcing various materials to replace approximately 20% of the iron-bearing materials fed into the pellet plant. Including high-grade iron ore and concentrate alongside waste materials from other plants. Recycling fines generated during pellet making process back into pellet production. Reusing dust collected from various industrial processes, contributing to circular economy principles. 	Improved sustainability of existing mining reserves by reducing reliability on primary iron ore sources and maintaining pellet quality while incorporating alternative materials.
15.	Installation of solar plant	New On grid Solar Plant of capacity 50 KW has been installed at Plant GSS Roof top.	Annual saving of ₹ 5.25 lakhs along with Green Energy generation up to 25 Years.
16.	Power Saving Initiatives in Beneficiation Plant-A	<ul style="list-style-type: none"> Modification in BM-3 Grinding Circuit for both ROM (Run-of-Mine) and Non-ROM grinding circuits. Optimization of Feed Rate in Single Rod Mill from 220 tph to 250 tph. 	<ul style="list-style-type: none"> Achieved significant power savings of 230 kW/hr for 2680 hrs by optimizing the ROM circuit along with cost saving of ₹44.4 lakhs. Achieved power saving of 0.22 kW/MT feed and cost saving of ₹32.5 lakhs annually.
17.	Enhancement of HT Capacitor Bank	Enhanced HT Capacitor Bank capacity to maintain optimal power factor at EHT system.	Saving of ₹52.0 lakhs towards power factor incentive.

Sr. No	Initiative undertaken	Details of the initiative	Outcome of the initiative
18.	Technology Enhancement initiatives in Beneficiation Plant at Bhilwara	<p>The following initiatives are taken at Bhilwara plant for technology enhancement:</p> <ul style="list-style-type: none"> Installed two JCTN Magnets of 2000 Gauss with multistage rinsing systems. Converted Ball Mill-7 to a grate discharge mill and installed conveyor and bucket elevator systems for recycling oversize material in Line-7 and Line-8. Commissioned LVDH machine to remove moisture content from oil. Installed VFD of capacity 22 kW for Ball Mill-8 Feed Conveyor to maintain higher feed rates (>500 tph) with proper belt speed. Introduced core blow at Non-ROM Handling Filter Press. Relocated and commissioned both FLS slurry feed pumps. Modified FLS slurry recirculation line and drip tray hydraulic line. Developed new fabric design and optimized operational parameters. Refurbished all tailing filter machine structures on time. 	<p>The following are the significant impacts achieved through the technology enhancement initiatives taken at Bhilwara plant:</p> <ul style="list-style-type: none"> Achieved consistent 66% Fe in concentrate. Increased throughput to ball mill by 10.3%. Improved housekeeping and safety along with enhanced efficiency by recycling oversize material online. Maintained major equipment's lubrication systems in healthy condition. Controlled spillages and maintained consistent feed rates. Reduced filter cake moisture by 1.7% and achieved improved filtration process efficiency. Eliminated slurry tank dependency and enabled smooth maintenance. Eliminated delays (0%) and improved operational efficiency. Increased filter cloth life cycle from 3080 to 3270 cycles and saved ₹10 lakhs. Avoided safety risks and ensured operational integrity.
19.	Energy Conservation initiatives at Kudathini plant	<p>At Kudathini plant, following initiatives were taken for energy conservation:</p> <ul style="list-style-type: none"> Modified stamping operation from conventional auto circuit to relay-based circuit. Reduced stamping time from 40 minutes to 30 minutes. Optimized Coke Car LT Motor by reducing motor size from 30 kW to 26 kW. Optimized Coke Route CB-4 Moto by reducing motor size from 30 kW to 22 kW. Facilitated minimum operation of pumps through real-time water management and eliminated power theft of LT overhead line. Replaced 20 MH lamps of 400W and 30 SV lamps of 250W with LED streetlights of 150W. 	<p>The energy conservation initiatives taken at Kudathini plant resulted in the following impacts:</p> <ul style="list-style-type: none"> Achieved annual power saving of 226,008 kWh and annual cost saving of ₹ 15.82 lakhs. Achieved annual power saving of 5950 kWh and annual cost saving of ₹ 0.42 lakhs. Achieved annual power saving of 46720 kWh and annual cost saving of ₹ 3.27 lakhs. Achieved monthly cost saving of ₹14,000 – ₹15,000. Achieved annual power saving of 35,040 kWh and annual cost saving of ₹ 2.45 lakhs.

5. Does the entity have a business continuity and disaster management plan? Give details in 100 words/ web link.

Response:

Yes, business continuity and emergency preparedness is an essential part of the planning process for Jindal SAW. This plan considers operational and natural emergencies such as fire, gas leakage, earthquakes, floods, cyclones, and tsunamis. This plan is designed to safeguard employees, the environment, facilities and seamless production during the emergencies. Regular trainings, drills and rehearsals are conducted by internal and external agencies to train personnel in responding to emergencies effectively. The Company continually reviews and updates the plan, strengthens resources, and provides training to site personnel in handling emergency equipment. Additionally, contingency plans are in place to diversify business operations in case of any continuity risks in case of any black swan event.

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.

Response: Nil

7. Percentage of value chain partners (by value of business done with such partners) that were assessed for environmental impacts.

Response: 55.5%

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.

Response: Jindal SAW is associated with seven trade and industry chambers / associations.

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	International Pipeline & Offshore Contractors Association (IPLOCA)	International
2	Confederation of Indian Industry (CII)	National
3	Australian Pipelines & Gas Association (APGA), Australia	National
4	Indian Chamber of Commerce & Industry (ICCI);	National
5	Associated Chambers of Commerce and Industry of India (ASSOCHAM)	National
6	PHD Chamber of Commerce and Industry (PHDCCI).	National
7	Indian Pipe Manufactures Association (IPMA)	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.

Response: Not Applicable

Leadership Indicators:

1. Details of public policy positions advocated by the entity:

Sr. No.	Public policy advocated	Method resorted for such advocacy	Whether information	Frequency of Review by Board (Annually/Half yearly/Quarterly / Others-please specify)	Web Link, if available
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Jindal SAW through these trade and industry associations, provides inputs to key decision makers in framing and implementing policies. The notion of partnerships in any form and inputs in any manner is to promote a healthy life for all. The entity's expertise and knowledge must benefit the society and through associations it intends to implement the same.

PRINCIPLE 8

Businesses should promote inclusive growth and equitable development.

Essential Indicators:

1. Details of Social Impact Assessments (SIA) of projects undertaken by the entity based on applicable laws, in the current financial year.

Name and Brief Details of the Project	SIA Notification No.	Date of Notification	Whether conducted by independent external agency (Yes/No)	Results communicated in public domain (Yes/No)	Relevant Web Link
Maintenance of Parks, Cleaning and Repairing drains of Bhilwara City for Municipal Council of Bhilwara	MCA Notification No. GSR 40 (E), Companies (Corporate Social Responsibility Policy) Amendment Rules, 2021, Ministry of Corporate Affairs	22nd January 2021	Yes	Yes	The SIA report can be accessed here
Recarpeting of Bitumen Road from NH79 to Hathi Batra					
Installation of Solar Lights on both sides of the road					

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

Response: Not Applicable.

3. Describe the mechanisms to receive and redress grievances of the community.

Response: Jindal SAW follows grievance redressal mechanism to receive and redress grievances of the community. This mechanism allows community members to voice their concerns and complaints in a transparent and efficient manner

4. Percentage of input material (inputs to total inputs by value) sourced from suppliers:

	FY 2023-24	FY 2022-23
Directly sourced from MSMEs/ small producers	12.3%	11.1%
Sourced directly from within the district and neighbouring districts	19%	17.70%

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	FY 2022-23
Rural	8.50%	13.49%
Semi-urban	0.00%	0.00%
Urban	2.54%	0.65%
Metropolitan	1.29%	0.70%

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):

Response: Not Applicable.

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

Name of implementation of Agency	Project Title	Schedule 7	Project Location/s (State)	Project Location/s (District)	Total Amount Spent (In lacs)
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Not Applicable.

3. a. Do you have a preferential procurement policy where you give preference to purchase from suppliers comprising marginalized /vulnerable groups? (Yes/No):

Response: No, Jindal SAW does not has a preferential procurement policy

b. From which marginalized /vulnerable groups do you procure?

Response: Not Applicable

(c) What percentage of total procurement (by value) does it constitute?

Response: 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	Benefit shared (Yes / No)	Basis of calculating benefit share
No intellectual property was owned or acquired based on traditional knowledge 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
No adverse order was received in disputes related to intellectual property involving the use of traditional knowledge. Hence, 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	Cleaning and Maintenance, MCB Parks and Drainage, Bhilwara	5,000	33%
2	Housekeeping/Cleaning at MG Hospital	4,200	52%
3	Providing Surveillance Camera, Road Construction and Solar Street lights in Village, Bhilwara	4,500	100%
4	Scooter For Differently abled persons of Bellary	4	100%
5	Contribution to Gharkul Parivar Sanstha for Mentally Challenged Childern, Nashik	50	56%
6	Education fee to Underprivileged Child, Gujarat	250	100%
7	Construction of Ladies and Gents Toilets in Village, Samaghogha	2,000	40%
8	Tree Plantation, Gujarat	5,000	100%
9	Borewell Recharge, Village, Samaghogha	1,700	80%
10	Grampanchyat Samaghogha- Teacher Salary	128	100%
11	Tree Plantation	5,000	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.

Response:

We have established a comprehensive mechanism to address and effectively manage and resolve customer grievances and feedback in line with our commitment towards continual improvement. We analyse all inputs from customers and other stakeholders methodically, striving for swift resolution in alignment with documented procedures, ensuring every concern is addressed with diligence.

2. Turnover of products and/ services as a percentage of turnover from all products/service that carry information about:

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

Note – Jindal SAW products are designed, developed and supplied as per customer's specification. Hence, above said information about ESG on product or its manual not required or stated separately.

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

	FY 2023-24			FY 2022-23		
	Received during the year	Pending resolution at end of year	Remarks	Filed during the year	Pending resolution at the end of year	Remarks
Data privacy	0	0	None	0	0	None
Advertising	0	0	None	0	0	None
Cyber-security	0	0	None	0	0	None
Delivery of essential services	0	0	None	0	0	None
Restrictive Trade Practices	0	0	None	0	0	None
Unfair Trade Practices	0	0	None	0	0	None
Other	25	0	None	117	23	None

4. Details of instances of product recalls on account of safety issues:

	Number	Reasons for recall
Voluntary recalls	0	NA
Forced recalls	0	NA

5. Does the entity have a framework/ policy on cyber security and risks related to data privacy? (Yes/No) If available, provide a web-link of the policy

Response: Yes. Jindal SAW has policy on Risk management policy, which covers cyber security and risk related to data privacy. <https://jindalsaw.org/pdf/IT-Information-And-Risk-Management-Policy.pdf>

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.

Response: Not Applicable.

7. Provide the following information relating to data breaches:

a. Number of instances of data breaches

Response: 0

b. Percentage of data breaches involving personally identifiable information of customers

Response: 0%

c. Impact, if any, of the data breaches

Response: Not Applicable

Leadership Indicators:

1. Channels / platforms where information on products and services of the entity can be accessed (provide web link, if available).

Response:

Jindal SAW products and services information can be accessed on www.jindalsaw.com, through the following:
<https://jindalsaw.org/sbu.php>
<https://jindalsaw.org/ductile-iron.php>
<https://jindalsaw.org/seamless-tubes.php>
<https://jindalsaw.org/pellets.php>
 and also further on : www.ariba.com / www.bnamericas.com / www.upstream.com / www.iploca.com

2. Steps taken to inform and educate consumers about safe and responsible usage of products and/or services.

Response:

Jindal SAW provides information and educate to the clients on safe and responsible usage of products based on their request.

3. Mechanisms in place to inform consumers of any risk of disruption/discontinuation of essential services.

Response:

Jindal SAW marketing team has the responsibility to inform to the client about disruption/ discontinuation of essential services. Yet, there is not a single instance from the date of installation, in which entity uses this mechanism.

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)

Response:

Yes, Jindal SAW manufactures products tailored to client specifications or in compliance with internationally recognized standards such as API 5L, API 5CT, ISO 2531, and BSEN 545, while also adhering to all relevant local regulations. Despite regulatory requirements or client specifications not mandating product information display beyond certain parameters, we prioritize customer engagement. Annually, we conduct a comprehensive customer satisfaction survey to gauge feedback. Survey results are internally disseminated to relevant departments, facilitating improvements aligned with proposed corrective actions, thus reinforcing our commitment to enhancing customer experience.

LIST OF ABBREVIATIONS

BAT	Best Available Technology
BIS	Bureau of Indian Standard
BoD	Board of Directors
BRSR	Business Responsibility and Sustainability Report
BSE	Bombay Stock Exchange
CEO	Chief Executive Officer
Cr.	Crore
CSR	Corporate Social Responsibility
CRA	Corrosion Resistance Alloy
EHS	Environmental Health and Safety
EPR	Extended Producer Responsibility
ESG	Environmental, Social & Governance
ETP	Effluent Treatment Plant
FY	Fiscal Year
GRI	Global Reporting Initiative
IMS	Integrated Management System
ISO	International Organisation for Standardization
KMP	Key Managerial Personnel
LCA	Life Cycle Analysis
LED	Light-Emitting Diode
LPG	Liquefied Petroleum Gas
LTIFR	Lost Time Injury Frequency Rate
MS Drum	Mild Steel Drums
MS Scrap	Mild Steel Scrap
MT	Metric Tonnes
NA	Not Applicable
NGRBC	National Guidelines on Responsible Business Conduct
NIC	National Industrial Classification
NOx	Nitrogen Oxides
NSE	National Stock Exchange
OHSAS	Occupational, Health and Safety Assessment Series
PNG	Piped Natural Gas
POSH	Prevention Of Sexual Harassment
R&D	Research and Development
SAW	Submerged Arc Welded
SAWH	Submerged Arc Welded Helical
SDG	Sustainable Development Goals
SEBI	Securities and Exchange Board of India
SHE	Safety, Health and Environment
SOx	Sulphur Oxides
STP	Sewage Treatment Plant
TPH	Tons per Hour
U.O.E	U-Press, O- Press
ZLD	Zero Liquid Discharge