



# ALWAYS AHEAD RESPONSIBLY

SUSTAINABILITY REPORT 2015-16



SUSTAINABILITY REPORTS & UPDATES

[www.jsw.in/investors/investor-relations-steel](http://www.jsw.in/investors/investor-relations-steel)

## Our Commitments



# ALWAYS AHEAD ... RESPONSIBLY

JSW Steel strives its best to be a pioneer and a leader in embedding economic, social and environmental stewardship in its products that contribute to economic progress, environmental integrity and social cohesion - today and tomorrow.

### About the cover page

The cover depicts prominent landmarks and products from recent years containing JSW Steel's market offerings. The Delhi Metro, Mumbai International Airport, JSW Centre (head office, Mumbai), cooling towers of nuclear power plant, all-steel rake for Indian Railways, to name a few. JSW Steel will continue to serve the nation with these and many more new products in the years to come.



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**LEGEND**

- GRI - Global Reporting Initiative
- SDG - UN Sustainable Development Goals
- WSA - World Steel Association
- NVG - National Voluntary Guidelines
- UNGC - United Nations Global Compact



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## LEADING TO BE AHEAD

**SDG:** G-6, G-8, G-9, G-13 | **WSA:** SI-2, SI-3, SI-5, SI-7

**NVG:** P-4, P-6, P-8, P-9 | **UNGC:** GC-8

“

*Resilience and innovation are key to future proofing our business in the challenging economic and social landscape*

”

“

*JSW's way of doing business - our vision, mission, core values, codes of conduct, policies, processes and practices steer us to be **Always Ahead ... Responsibly***

”



Dear Stakeholders,

It gives me pleasure to share with you our latest Sustainability Report that marks first year of voluntary disclosures in line with the G4 Guidelines of the Global Reporting Initiative and the UN Global compact.

The Government of India has unveiled a series of policy initiatives to enhance the public investments in the infrastructure sector, especially roads, railways and ports. The focus on Smart Cities with best in-class amenities and drive to enhance rural income will help in creating market demand. The Make in India initiative, along with enhancements initiated for improving the ease of doing business, will go further in increasing our advantage.

In the challenging global steel production space, we were able to achieve a positive consolidated operating EBITDA of INR 6,073 crores. We shifted our focus to the domestic market, widening our footprint to markets in South India, developed new markets in East and North-East India. We enriched our product mix through development of new and cutting edge steel grades, enhanced our quality benchmarks and rationalised our cost structure to minimise erosion of margins.

The year 2015-16 has been very eventful. We faced significant headwinds, but acted with resilience. We stayed strong and grew stronger.

We believe that resilience and innovation are key to future-proofing our business in the challenging economic and social landscape. Our diverse and youthful work force, reliable and flexible supplier base, demanding but collaborative customers, trusting but vigilant investors and our cooperating communities made our journey possible. We also believe that JSW's way of doing business- our vision, mission, core values, codes of conduct, policies, processes and practices steer us to be

**Always Ahead...Responsibly**

We have continued extensive engagement with our strategic stakeholders to identify and address the key sustainability - or material - issues, as per the GRI Guidelines. Focussing our resources on such issues that are critical to our business and matter to our stakeholders will propel our sustainability performance and deliver value to all our stakeholders. The various sustainability programmes also gave encouraging results, such as 71% waste heat utilization; 98.5% waste gas utilization; 30% use of recycled and reused waste water; 943,808 MT scrap recycling and 1,897 MT waste recycling. Our increased emphasis on employee training and specific focus on safety resulted in a 9% decrease over last year in the lost time injury frequency rate.

Despite a dip in profits, we have increased our CSR expenditure by 18% over last year. The JSW Foundation has taken up many new programmes, including the cause of 'Veer Nari' - the War-widows of our heroic soldiers.

We will continue to build on our leading position in the market for a responsible and prosperous future and look forward to continued support from all our stakeholders.

Best wishes,

**Sajjan Jindal**

Chairman & Managing Director  
JSW Steel Limited

Our diverse and youthful work force, reliable and flexible supplier base, demanding but collaborative customers, trusting but vigilant investors and our cooperating communities made our journey possible.



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## AT THE FOREFRONT

**SDG:** G-5, G-6, G-7, G-12 | **WSA:** SI-1, SI-3, SI-4  
**NVG:** P-1, P-2, P-6 | **UNGC:** GC-8



*We at JSW Steel have demonstrated our ability to withstand such challenges and adversities through our performance in FY 2015-16. At JSW Steel, we did not just hold on to our production levels in such a scenario. In fact, we increased our installed capacity to 18 MTPA and reported our highest ever sales in the last quarter.*



*The unviability of exports also did not deter us. Instead we focused on growing our domestic sales, aggressively expanding our retail network and achieve higher branded sales.*



This report presents the company's economic, environmental and social performance for the period 01-April-2015 to 31-March-2016 (financial year 2015-16). The report has been developed in line with the requirements of Global Reporting Initiative's G4 Guidelines 'In accordance - Core reporting option' for Sustainability Reporting.

The nine principles of the National Voluntary Guidelines on Social, Environmental and Economic Responsibilities of Business have been mapped to the relevant sections in this report. Additionally, this report also aligns itself to the item 34 of the Listing Obligations and Disclosure Requirements, 2015 of the Securities and Exchange Board of India (SEBI) to publish an annual Business Responsibility Report. The detailed disclosure as per the Clause 55 requirements can also be found with the Company's Annual Report for the financial year 2015-16.

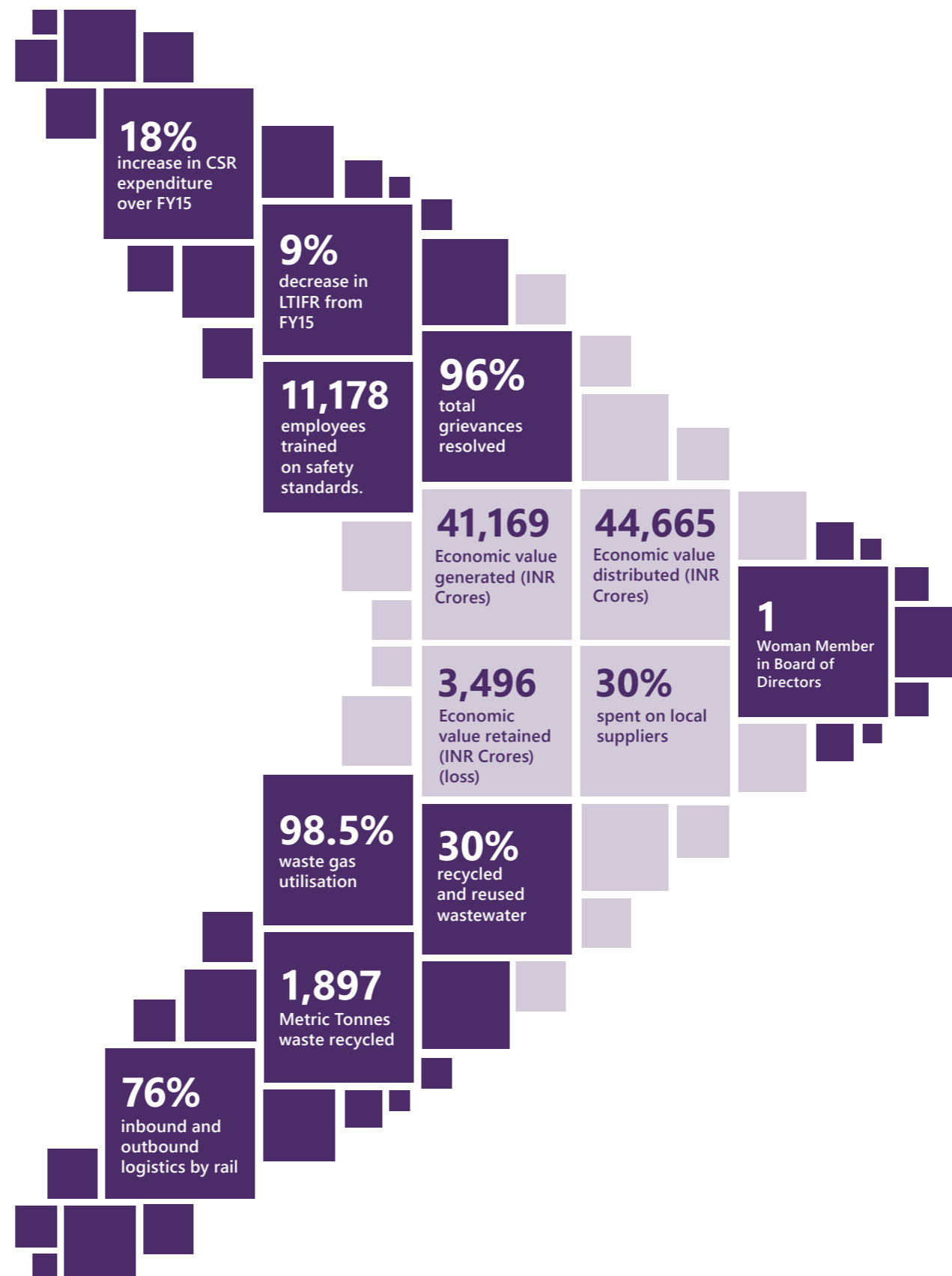
This report also serves as a communication to the Company's stakeholders on its progress on the 10 principles of United Nations Global Compact. It continues to work with the World Steel Association as a signatory to its sustainability charter. The Company has aligned its sustainability performance to the Key Performance Indicators (KPIs) specified by the World Steel Association.

## PERFORMANCE Highlights



*We consider JSW as our partners and are proud to be part of your growth process.*

*Coeclerici, Switzerland (Supplier)*



## NEW PRODUCTS Developed

Advanced high strength steel having excellent energy absorption capacity designed for automobile safety cage components.

Foray into non-grain oriented fully processed electrical steel processing.

Brake hardening steels for automotive applications.

Enameling steel with excellent surface quality for domestic and industrial appliances.

Dual Phase Steel: A leading grade in automotive industry.




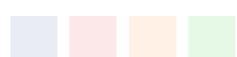
High strength Hot Rolled products.

'Non-Grain Oriented Fully Processed electrical steel of grade IS 648:50C600

'Non-Grain Oriented Fully Processed electrical steel of grade IS 648:50C1000

# GOVERNANCE and Ethics

Board Members and their committees:

<p><b>Mr Sajjan Jindal</b> CHAIRMAN OF BOARD OF DIRECTORS</p>  	<p><b>Mr Seshagiri Rao MVS</b> EXECUTIVE DIRECTOR</p>  
<p><b>Dr Vinod Nowal</b> EXECUTIVE DIRECTOR</p>  	<p><b>Mr Jayant Acharya</b> EXECUTIVE DIRECTOR</p>  
<p><b>Mr Uday M Chitale</b> INDEPENDENT DIRECTOR</p>  	<p><b>Mr Malay Mukherjee</b> INDEPENDENT DIRECTOR</p>  
<p><b>Dr Vijay Kelkar</b> INDEPENDENT DIRECTOR</p>  	<p><b>Mr Naveen Raj Singh</b> NOMINEE DIRECTOR</p>  
<p><b>Mr K Vijayaraghavan</b> INDEPENDENT DIRECTOR</p>  	<p><b>Dr (Mrs) Punita Kumar Sinha</b> INDEPENDENT DIRECTOR</p>  
<p><b>Mr Kyoichy Kameyama</b> NOMINEE DIRECTOR</p>  	<p><b>Mr Haigreve Khaitan</b> INDEPENDENT DIRECTOR</p>  

 BUSINESS RESPONSIBILITY AND SUSTAINABLE REPORTING COMMITTEE
  CSR COMMITTEE
  CODE OF CONDUCT IMPLEMENTATION COMMITTEE
  STAKEHOLDER RELATIONSHIP COMMITTEE

 CHAIRMAN

# WHAT GUIDES US

## SUSTAINABILITY POLICY

JSW Steel Limited ("JSW") believes in creating sustainable growth while balancing utilization of natural resources and social development in its business decisions.

It also believes in pursuing its business objectives ethically, transparently and with accountability to its stakeholders across the value chain. JSW is committed to promote integrated responsible behaviour and value for social and environmental well-being. JSW's commitment to do business responsibly is built into the core values of the Company to conduct every aspect of business responsibly and sustainably. It relies on:

- A dynamic leadership
- Adherences to core values
- A well-articulated Enterprise Risk Management framework
- Practices that seek to sustain and enhance the long term competitive advantage of JSW with care for the society and environment.

Policy on business conduct

Policy on sustainable steel

Policy on employee welfare

Policy on stakeholders engagement

Policy on human rights

Policy on conservation and preservation of the environment

Public Regulatory Policy

Policy on social development

Policy on engaging with and providing value to customers and consumers



## VISION

Global recognition for quality and efficiency, while nurturing nature and society



## MISSION

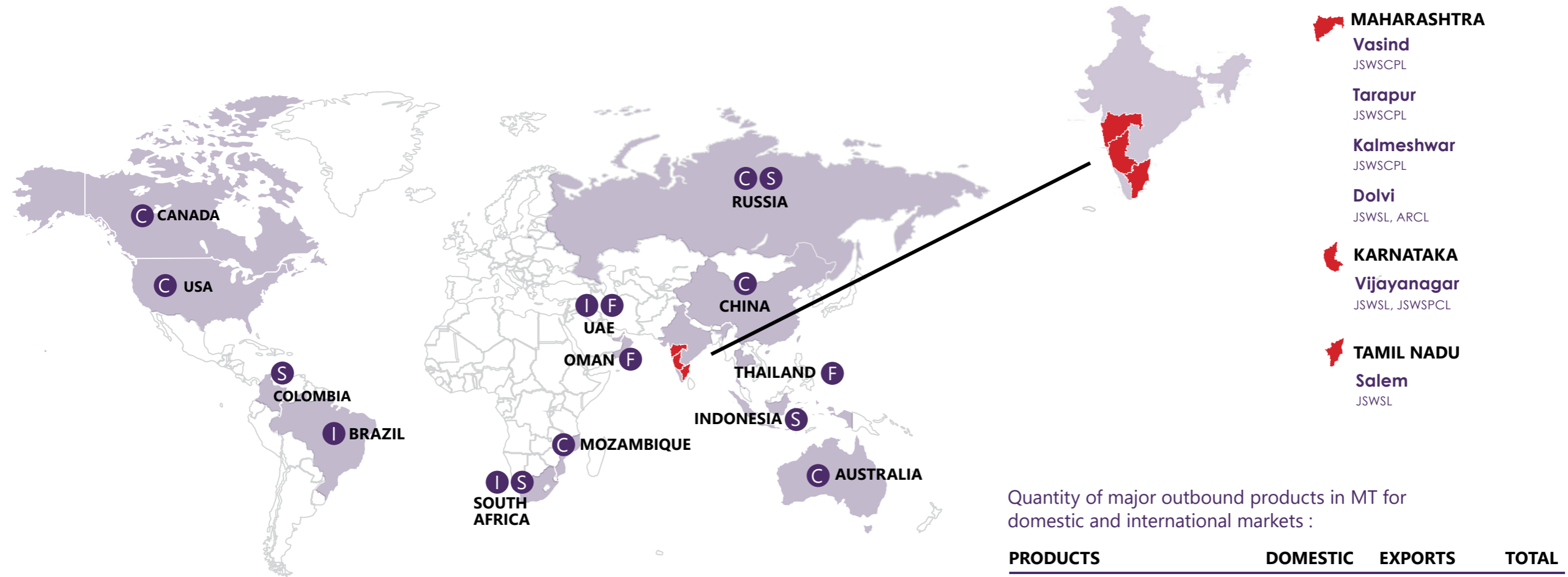
Supporting India's growth in core economic sectors with speed and innovation



## CORE VALUES

Transparency  
Dynamism  
Strive for excellence  
Passion for learning

# OPERATIONS & Value Chain



Quantity of major outbound products in MT for domestic and international markets :

PRODUCTS	DOMESTIC	EXPORTS	TOTAL
Hot Rolled	5,146,795	259,115	5,405,910
Cold Rolled Closed Annealed	1,062,593	328,239	1,390,832
Galvanised Iron	737,221	589,083	1,326,304
GalvaLume	103,150	68,697	171,847

The following can be viewed in the JSW Steel Ltd. annual report 2015-16: the list of all subsidiaries & joint ventures (pg 57), as well as the complete shareholding pattern (pg. 34).

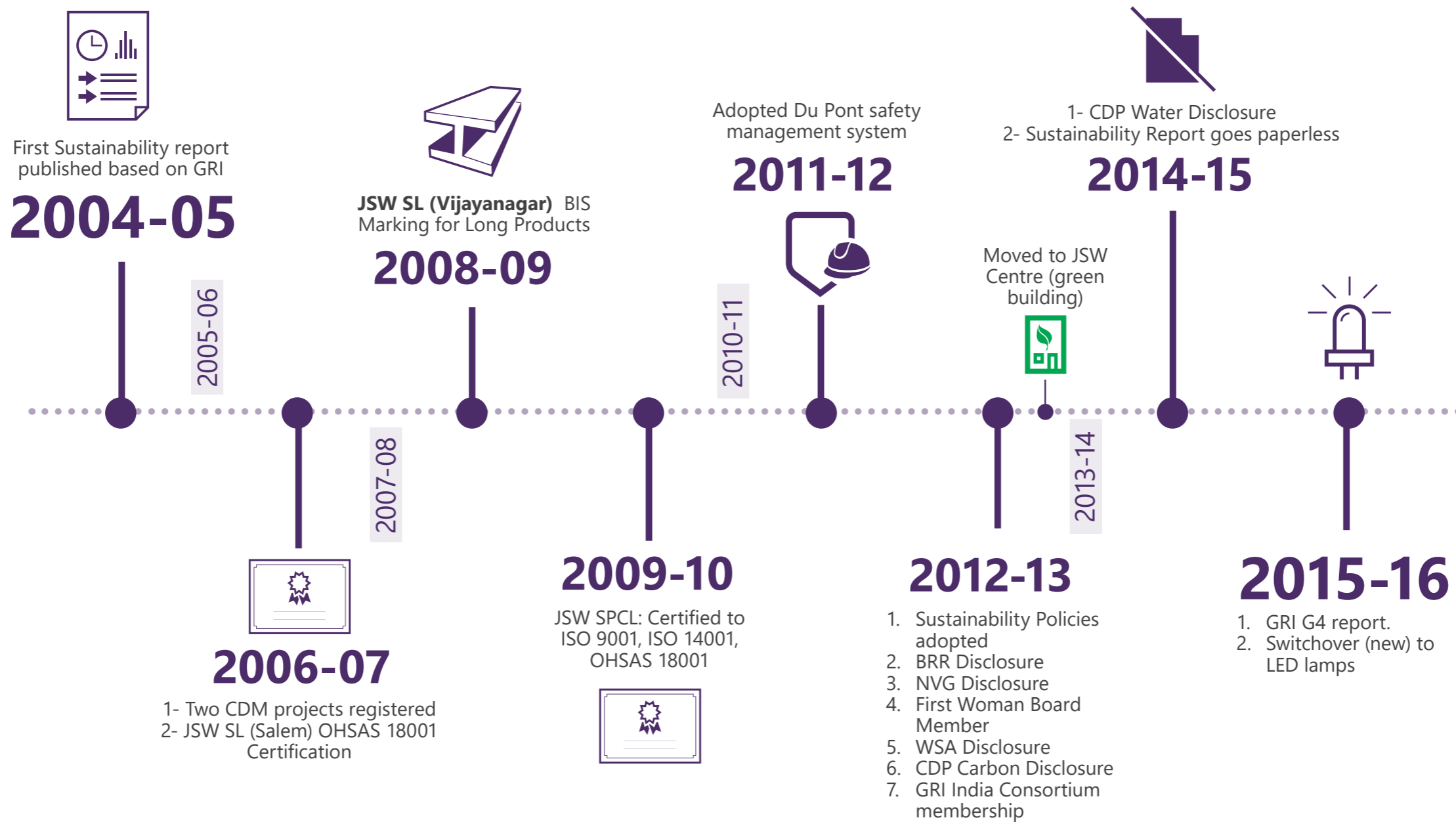
I IRON BEARING RM  
 S STEAM COAL  
 F FLUX  
 C CARBON BEARING RM  
 ■ LOAD PORTS  
 ■ OPERATIONS

JSWSL - JSW Steel Limited | JSWSPCL - JSW Steel Processing Centres Limited | JSWSCPL - JSW Steel Coated Products Limited | ARCL - Amba River Coke Limited

# SUSTAINABILITY Journey

## Before 2004-05

Creation of JSW Foundation | Membership with UN Global Compact | Management Standards and certifications  
 Vijayanagar - ISO 9001, ISO 14001, OHSAS 18001 | Salem - ISO 14001 | Vasind, Tarapur, Kalmeshwar - ISO 9001 | Kalmeshwar - ISO 14001



# PRODUCTS

## Canvas

Longs:

- 1. TMT Bars
- 2. Wire rods
- 3. Special steel bars/ wires
- 4. Rounds and blooms
- 5. Angles

Flats:

- 1. Hot Rolled
- 2. Cold Rolled
- 3. Galvanised
- 4. Pre-Painted Galvanised
- 5. Galvalume
- 6. Pre-Painted Galvalume
- 7. Electrical Steel



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# WHAT COUNTS

SDG: G-17 | WSA: SI-7  
NVG: P-4 | UNGC: -

## VALUE WITH INTEGRITY

### OUR FOUNDATION

Governance and Ethics

Responsible Value Chain

Business Performance

## SHARING AND CARING

### OUR COMMITMENT

Valuing Life

Talent Management

Inclusive Growth

## RESOURCE STEWARDSHIP

### OUR FUTURE

Energy

Water

Material

Waste

# WHAT Matters

**Stakeholder Engagement**

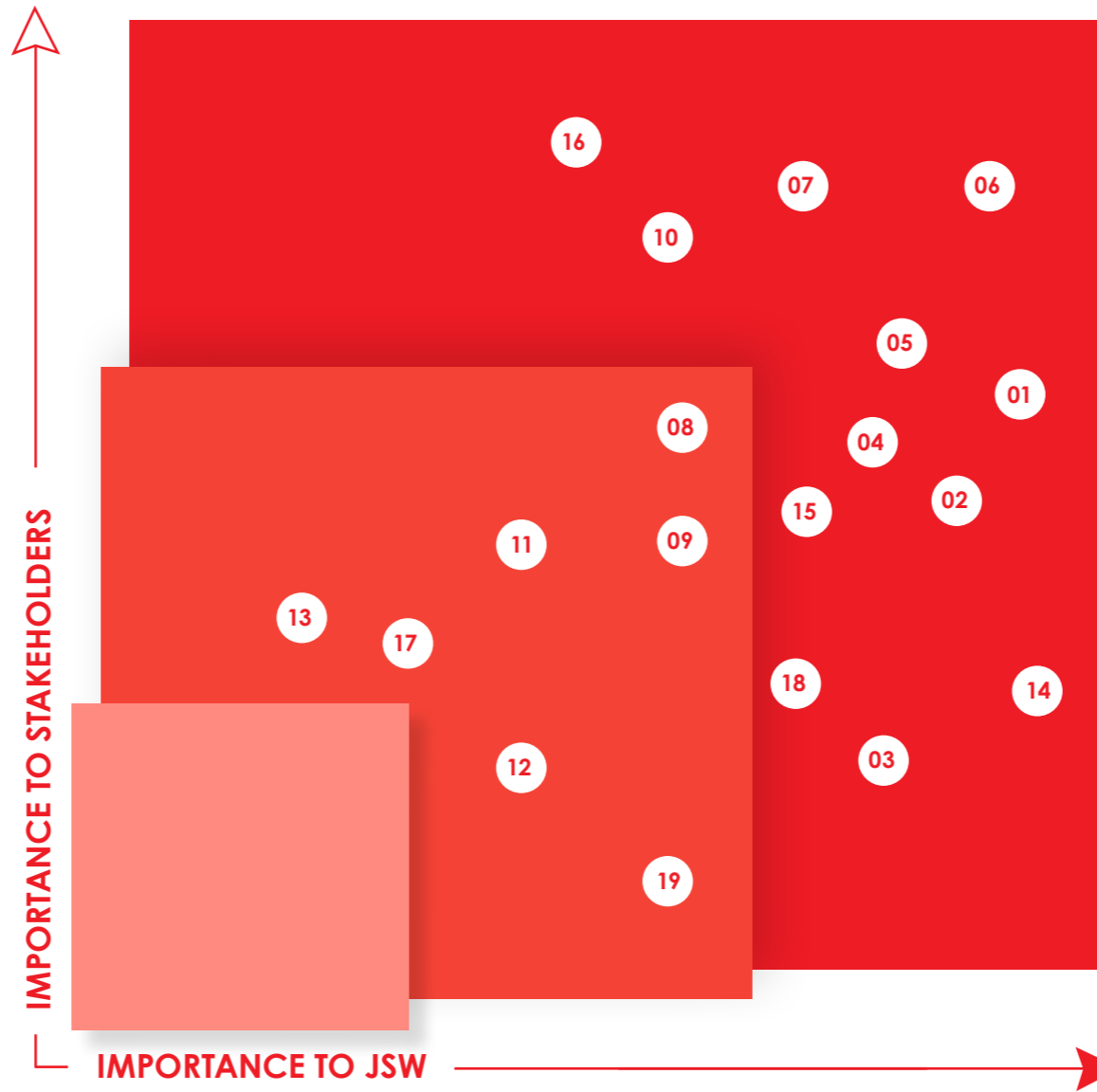
- Continuous process
- Employees, suppliers, customers, collaborators, community, government, civil society
- Frequent; formal and informal

**Managing for Materiality**

- Over 300 interactions
- Includes 100 external
- Covers 6 major sites and corporate

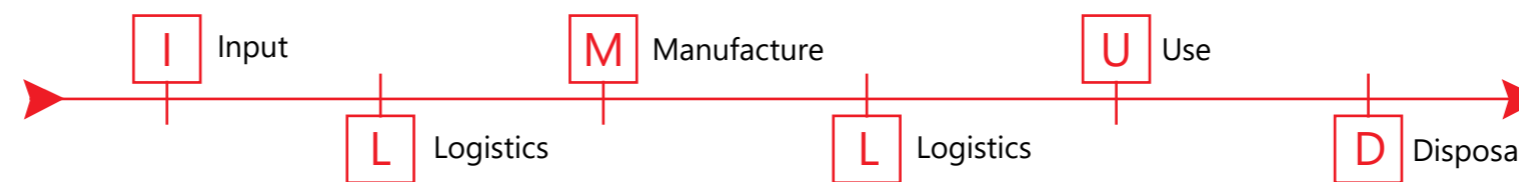
**Methodology**

- Implemented structured framework
- Importance to business and stakeholders
- Third party assurance



- 01 I L M L U D Economic Performance
- 02 I L M L U D Indirect Economics Impacts
- 03 I L M L U D Procurement Practices
- 04 I L M L U D Anti-corruption
- 05 I L M L U D Products and Services
- 06 I L M L U D Local communities
- 07 I L M L U D Compliance
- 08 I L M L U D Employment
- 09 I L M L U D Occupational Health and Safety
- 10 I L M L U D Training and Education
- 11 I L M L U D Diversity and Equal Opportunity
- 12 I L M L U D Supplier Assessment for Labor Practices
- 13 I L M L U D Grievance Mechanisms for Impacts on Society
- 14 I L M L U D Materials
- 15 I L M L U D Energy
- 16 I L M L U D Water
- 17 I L M L U D Emissions
- 18 I L M L U D Effluents and Waste
- 19 I L M L U D Supplier Environmental Assessment

**VALUE CHAIN**





## VALUE WITH INTEGRITY

**SDG:** G-8, G-9 | **WSA:** SI-2, SI-4

**NVG:** P-4, P-7, P-8 | **UNGC:** GC-2



*Pursuing its vision of "creating sustainable growth while balancing utilization of natural resources and social development in its business decisions", JSW Steel, while planning growth/ expansion and investments, seeks to maximize local economic linkages and this aligns the company being a pivot for regional and national growth.*



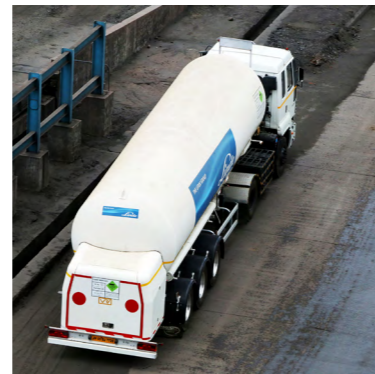
# VALUE WITH Integrity

## INDIRECT ECONOMIC IMPACTS

Stakeholders including national and regional governments, not only expect direct monetary value to be delivered to the regional economy and shareholders, but also to improve the multiplier effect on the regional/ national economy. Pursuing its vision of "creating sustainable growth while balancing utilization of natural resources and social development in its business decisions", JSW Steel while planning growth/ expansion and investments, seeks to maximize local economic linkages and this aligns the company being a pivot for regional and national growth. Presently, JSW Steel, does not have a system to assess the economic multipliers effected by its operations. However, we monitor and disclose our capital contribution to economy viz., infrastructure investment that may extend beyond the scope of the organization's own operations and over a longer timescale such as transport links, utilities, community social facilities, sports centers, or health and welfare centers.

## RESPONSIBLE VALUE CHAIN

JSW Steel has based its business model on fair and non-discriminatory procurement practices. The Company encourages all suppliers to follow safety, occupational health and environmental management practices and standards, and supports behaviour that respects human and labour rights. A risk-based approach strengthens this approach wherein high-risk suppliers are identified and proactive steps are taken to constantly engage with them. Greening of the supply chain is demonstrated through a commitment to procure significant amounts of input materials - excluding iron ore - locally. For example, 47% of the total procurement costs at Vijayanagar Works are for goods and services from within Karnataka, thereby putting the triple bottom line concept to practice.



## ECONOMIC PERFORMANCE

Stakeholders across the globe expect business to deliver net positive value and also deliver direct monetary value in the regions of operations and to the stakeholders viz., employees, suppliers, customers, communities, government etc. In keeping with such expectation, one adheres to the words of Chairman & Managing Director "At JSW, sustainable & inclusive growth is not just about the numbers but improving the quality of the lives of the individuals and communities at large". One balances the generation and distribution of value to stakeholders and regions of our operations.

## AHEAD IN ADVOCACY

JSW Steel works closely with trade / industry bodies in evolving policies that govern the functioning and regulations of industries. Through stakeholder consultation with industry bodies, independent policy research and other industry players, JSW supports the Government in framing policies in the following areas:

- Governance and administration
- Advancement of public good
- Economic reforms
- Sustainable business principles
- Energy, water and other natural resources
- Promotion of human rights
- Social and community development
- Transparency through public disclosure
- Non-conventional energy

JSW Steel engages with Associations / organisations like World Steel Association, FICCI, CII, ASSOCHAM, Indian Steel Association, GRI, CDP, UN Global Compact, Bangalore Chamber of Industry & Commerce, Karnataka Iron & Steel Manufacturing Association, Indian Institute of Metals, American Society of Metals, Association of Iron & Steel Technology (USA), Iron and Steel Institute of Japan, PMS (Metal Society of USA), Indian Chamber of Commerce and the Bengal Chamber of Commerce & Industry.



## ENHANCING VALUE

JSW Steel's focus is to be a supplier of choice in all markets while improving the well-being of customers and society in general. We are committed to operate our processes and conduct marketing promotions in a transparent and responsible manner by sharing product information. We strive to ensure an efficient customer feedback mechanism and conduct regular customer satisfaction surveys to understand their expectations and concerns. To facilitate this, we have portals for customers and suppliers. While this facilitates procurement and delivery, they are also used to gauge evolving customer requirements and supplier capabilities. With some customers and suppliers we even collaborate and co-create. This type of innovation has helped in mutual profitability, while also reducing emissions, use of energy and other resources.

In addition, a grievance redressal mechanism is available to all stakeholders. Besides resolving the grievances seamlessly, this also provides us an opportunity to engage more closely with our value chain. We have established stockyards across India and dispatch our materials through rakes to the nearest point, and use road facilities thereafter. This has also helped us in reducing our emissions and improves our service quality. At our stockyards, we have implemented strict standard operating procedures to ensure maximum utilisation of space and zero defects in our products. We also believe in educating our stakeholders about our products and their features to help them make informed decisions.



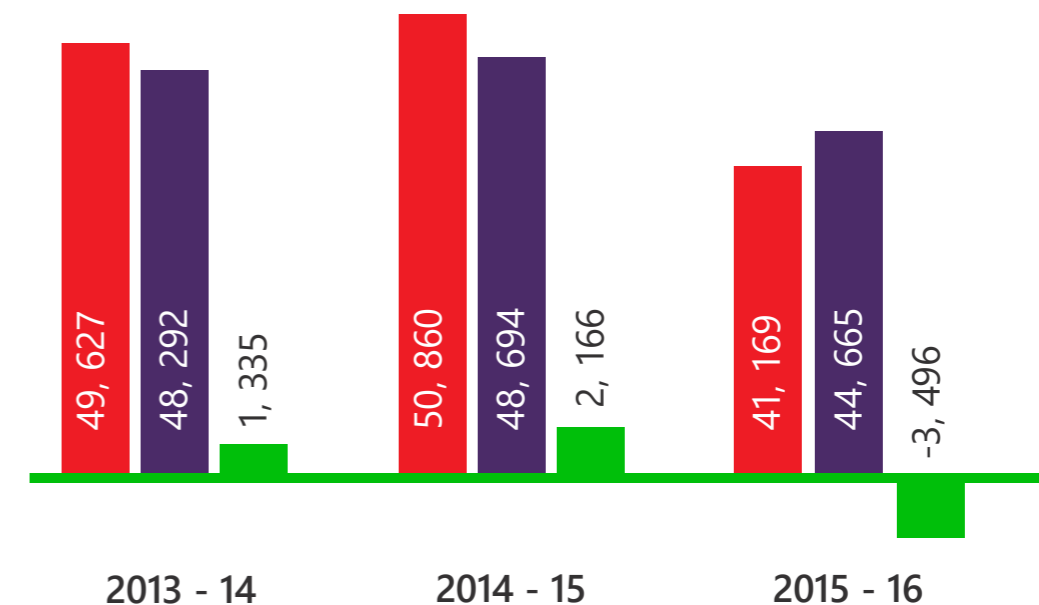
JSW Steel conducts customer satisfaction surveys once in two years through a third party. The survey captures customer expectations on the following attributes:

- Product quality
- Order servicing
- Customer relationship
- Company personnel
- Customer loyalty

All customer complaints are resolved within a defined time frame. As on March 31, 2016, less than 4% cases were under the process of resolution. During the FY 2015-16 there were no complaints relating to unfair trade practices, irresponsible advertising or any anticompetitive behavior against JSW Steel Ltd.

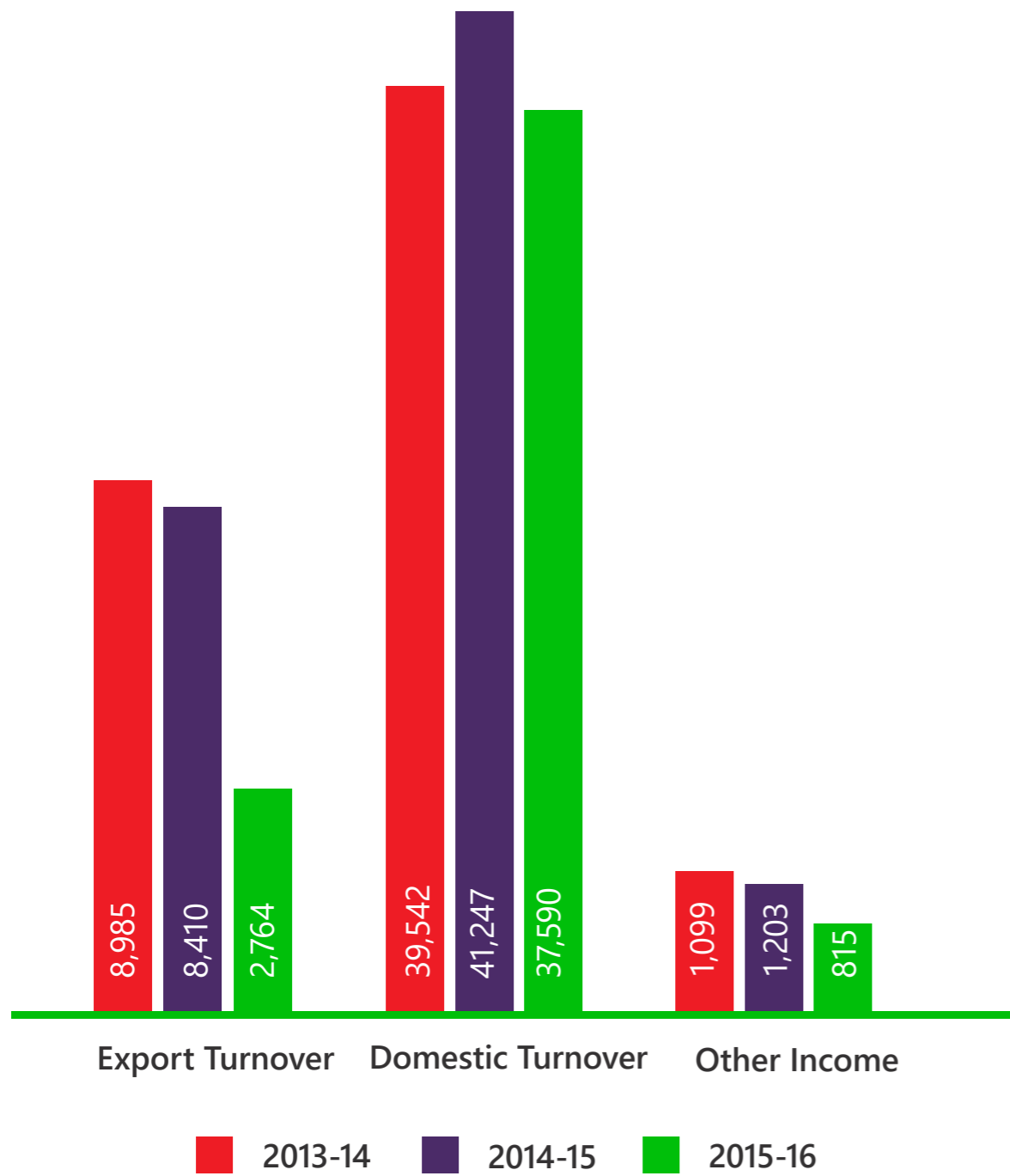
## ECONOMIC Performance

### ECONOMIC PERFORMANCE (VALUES IN INR Cr.)



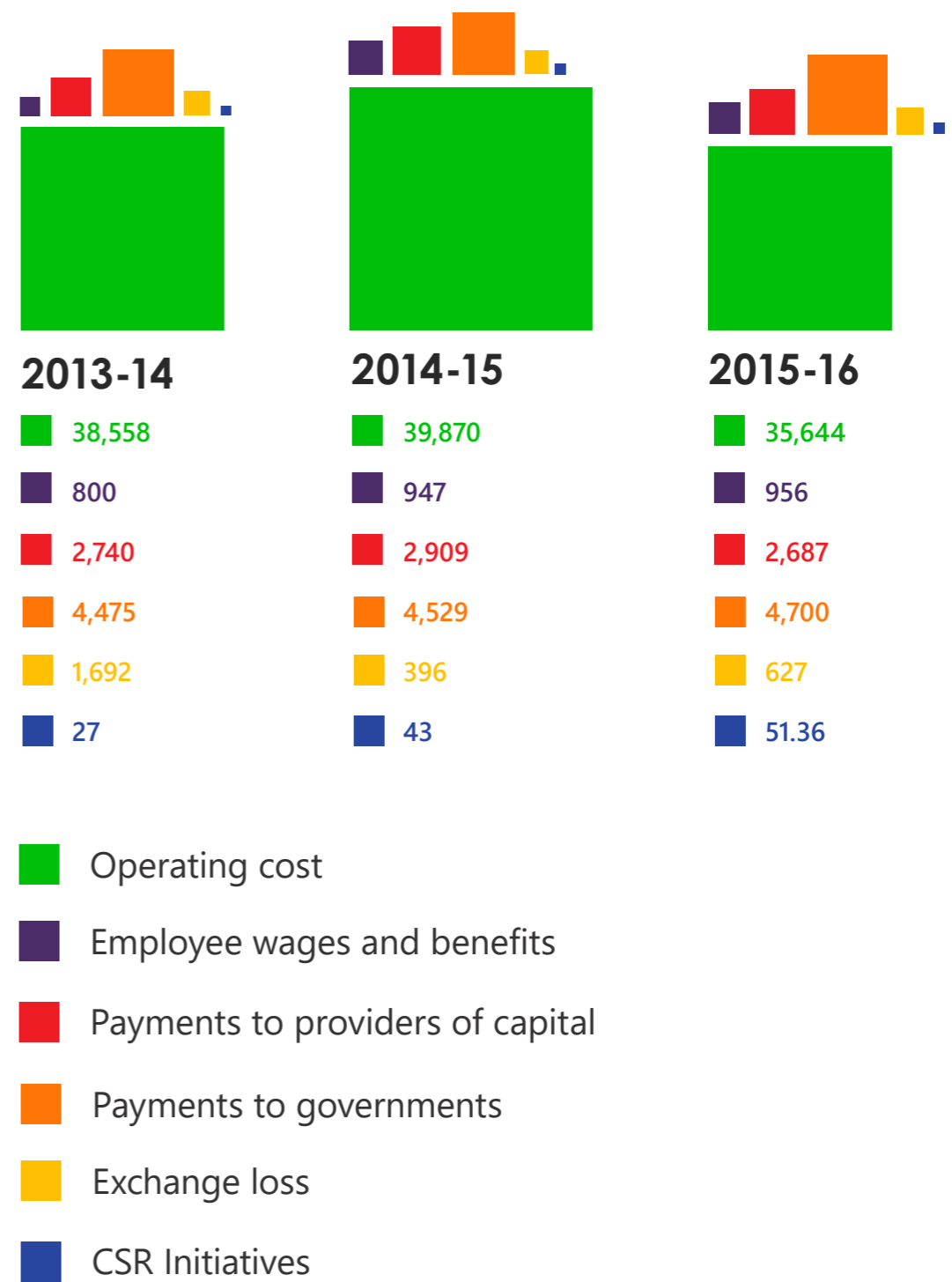
- Economic Value Generated
- Economic Value Distributed
- Economic Value Retained

**ECONOMIC VALUE GENERATED: (VALUES IN INR CR.)**



Market Capitalisation 31,018.98 (INR Cr.) - JSW Steel  
Annual Report 15-16 pg. 34

**ECONOMIC VALUE DISTRIBUTED: (VALUES IN INR CR.)**



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## SHARING AND CARING

**SDG:** G-1, G-3 to 6, G-8, G-10 & 11 | **WSA:** SI-1, SI-5

**NVG:** P-3, P-5, P-8 | **UNGC:** GC-1 to 6

Reduction  
in LTIFR

09%

Improvement  
in employee  
retention

54%

Increase in  
community  
investment

18%

Employed  
differently-  
abled

24

# HARNESSING Full Potential

JSW drives individuals to explore their full potential and prepares them for leadership roles. The Company does not discriminate on the basis of religion, gender, caste or disabilities, and has a policy for equal opportunity for all. Besides equal employment, the workforce (including contractual workers and those with disabilities) is entitled to the same benefits, training and skill enhancement.

## RESPECTING HUMAN RIGHTS

JSW Steel ensures that all its employees contribute to business decisions through a participatory approach. Employees give feedback through various mechanisms which include interaction sessions, toolbox talks, town hall sessions, joint safety committees, etc. The Dolvi Works has a recognized trade union, and all non-management employees are free to be affiliated to it. Given the employee-friendly practices and welfare schemes, less than 10% of the Company's entire permanent workforce is represented through this trade union.

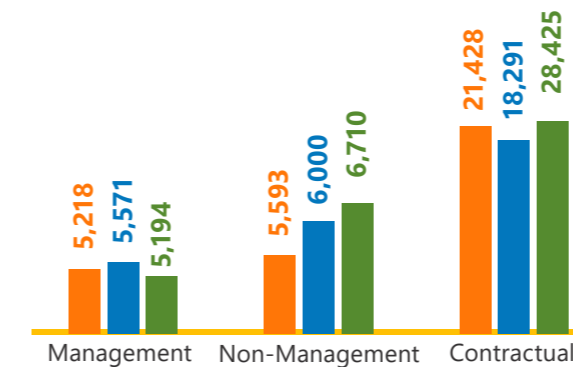
The Company respects human rights and takes steps to ensure they are protected. The organisation's policy on Human Rights and Code of Conduct are in harmony with the UN Declaration on Human Rights as well as the ILO (International Labour Organisation) Conventions. The policies address human rights issues across the supply chain. JSW Steel's human rights policy is complemented by other specific policies such as occupational health and safety, environment, anti-corruption, etc. It articulates its stand on human rights including non-discrimination, prohibition of child and forced labour, and freedom of association and the right to engage in collective bargaining. Officers of security agencies are trained to act in a manner that respects human rights at all times, and comply with all the applicable national, state and local laws.

JSW Steel contributes to the fulfillment of human rights through compliance with local human rights legislation wherever it has operations, as well as through its policies, programs and grievance redressal mechanisms.

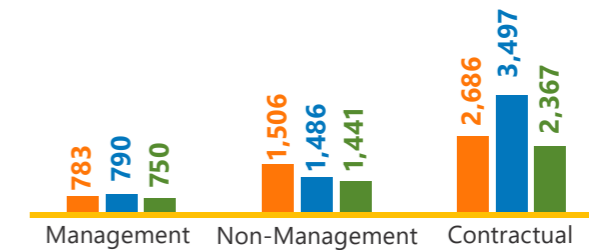


## EMPLOYMENT

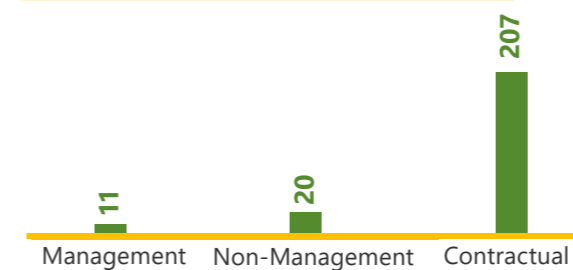
### JSW SL



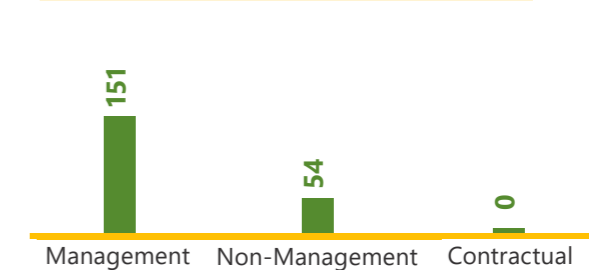
### JSW SCPL



### JSW SPCL

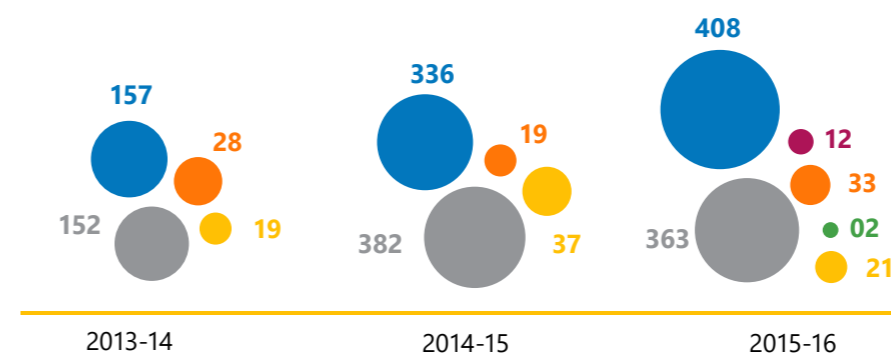


### JSW ARCL



2013-14 2014-15 2015-16

## WORKFORCE TURNOVER



### JSW SL

- Management
- Non-Management

### JSW SCPL

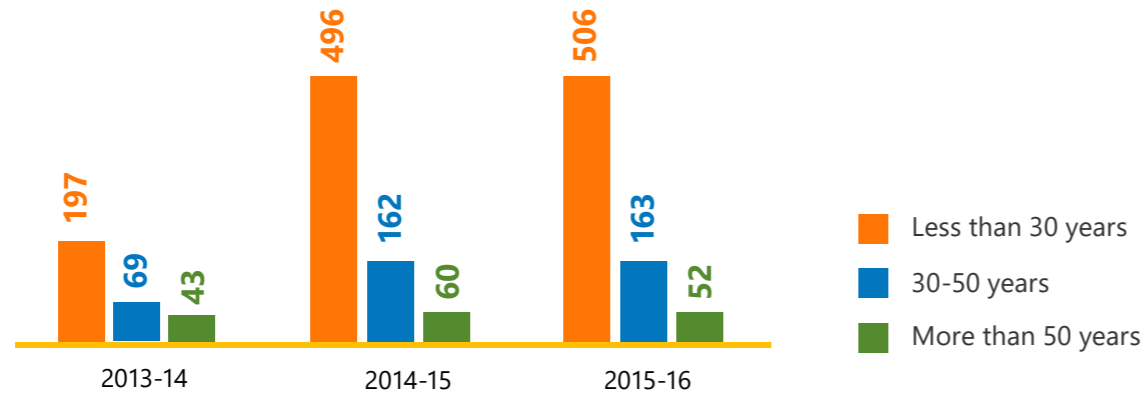
- Management
- Non-Management

### JSW ARCL

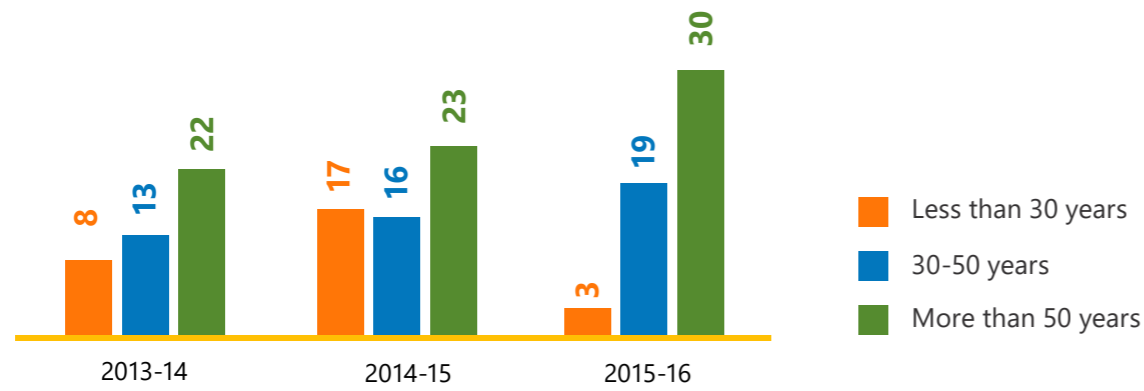
- Management
- Non-Management

JSW SPCL had no workforce turnover reporting in the year 2015-16

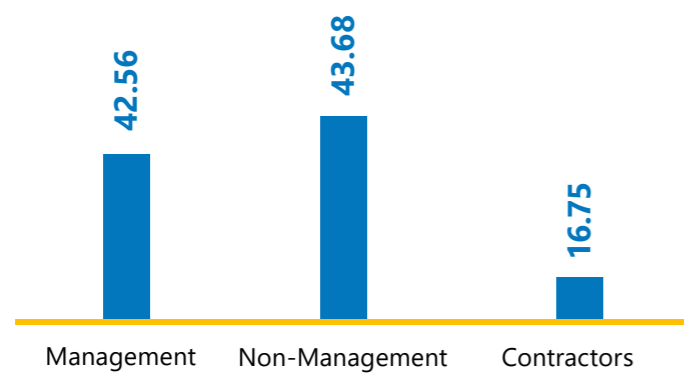
**WORKFORCE TURNOVER BY AGE (JSW SL)**



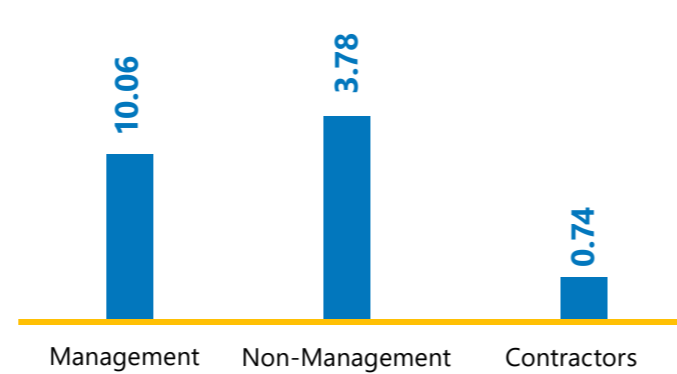
**WORKFORCE TURNOVER BY AGE (JSW SCPL)**



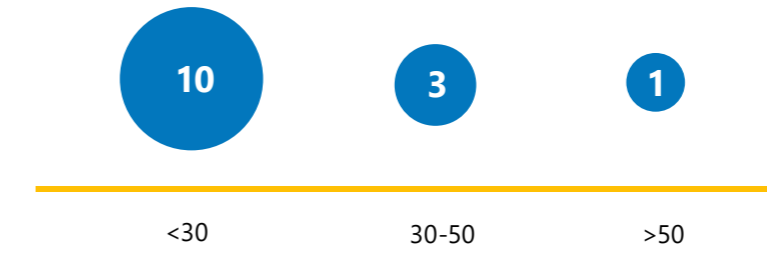
**TRAINING HOURS PER CAPITA (2015-16) (JSW SL)**



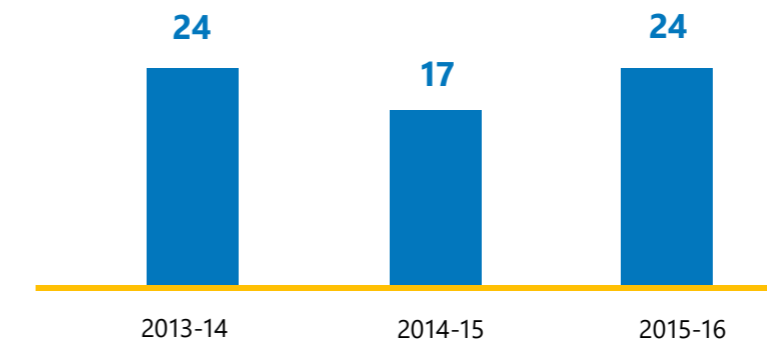
**TRAINING HOURS PER CAPITA (2015-16) (JSW SCPL)**



**WORKFORCE TURNOVER BY AGE (ARCL) 2015-16**



**DIFFERENTLY-ABLED (JSW SL)**



**DIVERSITY - 2015-16 (JSW SL)**



# VALUING Life

## OCCUPATIONAL HEALTH AND SAFETY

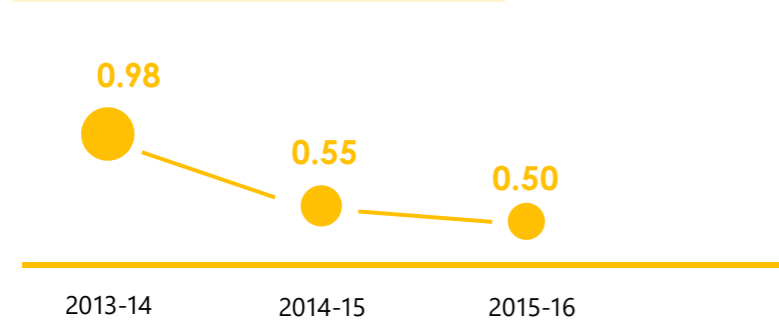
JSW Steel has taken some unique initiatives to stress on the importance of occupational health & safety across all the operations. One of these is the linking of the safety performance with the variable pay of the senior management, thereby motivating employees to enhance their safety performance.

During the FY 2015-16, approximately 11,178 employees including associate employees were trained in various internal safety standards to inculcate the best practices in safety. Due to increased injury reporting aided by online tool, enhanced training and greater management focus, the reported injury rate has gone up. Consequently, an LTIFR of 0.5 was achieved, an improvement of 9% over FY 2014-15 and an improvement of 49% over FY 2013-14.

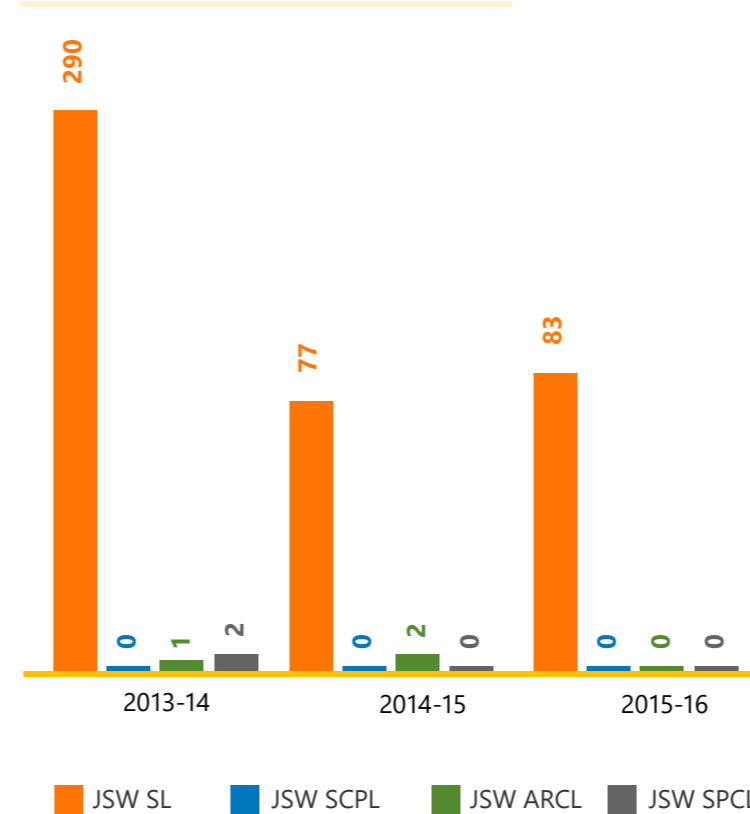
## INSURANCE POLICY FOR MASONS

JSW Steel launched the Mason Insurance Programme as part of the "Kyunki Ghar Bhi To Family Hai" campaign. An accident insurance scheme is provided to masons through New India Assurance Co. Ltd. Awareness was generated through promotional mobile vans in Karnataka and Tamil Nadu. More than 2,300 masons enrolled in this scheme, with a cover of Rs. 5 lakhs provided to each mason.

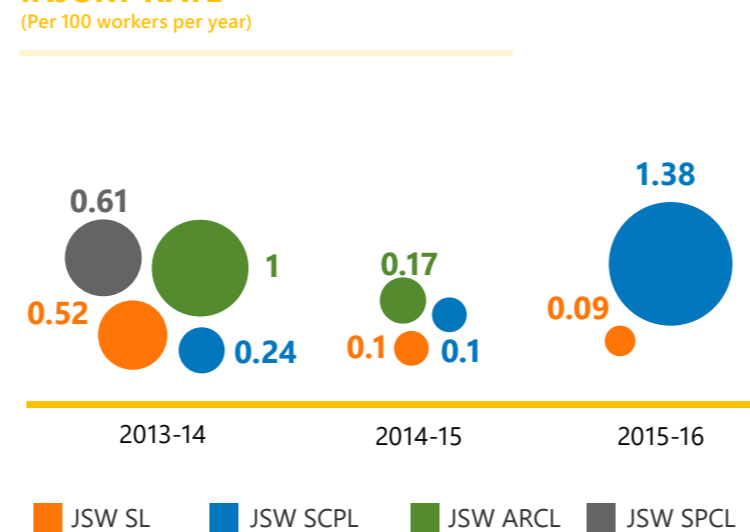
## LOST TIME INJURY RATES (JSW SL)



## INJURIES

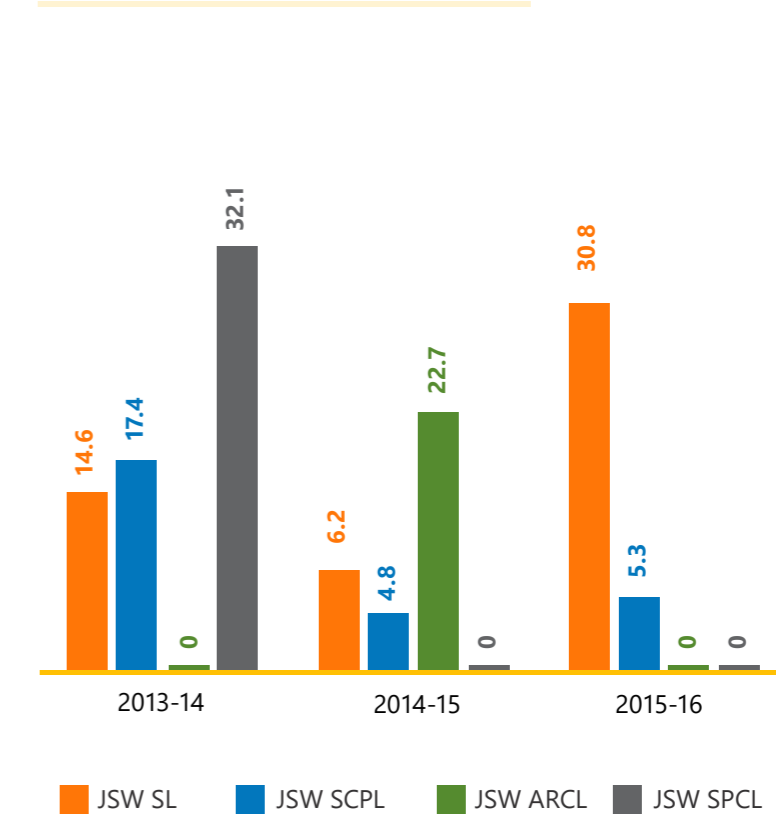


## INJURY RATE



## LOST DAY RATE

(Per 100 workforce per year)



## TRAINING ON SAFETY (%)

- 69.6 Total Permanent employees
- 68.7 Permanent female employees
- 55.3 Differently Aabled Employees
- 68.3 Temporary / contractual employees



# INCLUSIVE Growth

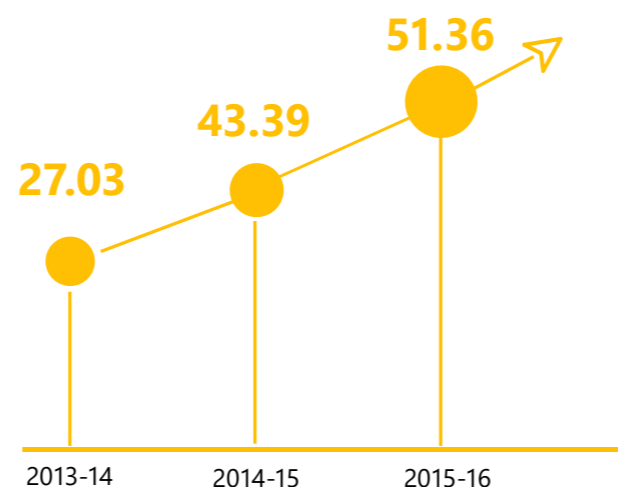
## CSR PROGRAMMES

JSW recognizes the potential outcomes of investing in the community, and consequent mutual benefits that accrue through community cooperation and collaboration. Community investments are rapidly becoming strategic, and leveraging much larger resource deployment by linking up with communities and government. The governance and managerial wisdom that it deploys in business is increasingly being applied for social investments and interventions. Accordingly, the Company has identified the following focus areas for community development initiatives:

- NUTRITION AND HEALTH CARE
- SKILL DEVELOPMENT
- EDUCATION
- WATER AND SANITATION
- ARTS, CULTURE AND SPORTS





Each manufacturing site has a dedicated team of development professionals. Advice and insights of expert organisations and individuals are also sought for specific initiatives. All these are being undertaken in a project mode and are expected to deliver measurable outcomes. JSW Steel monitors the CSR programmes by both internal and external experts. As per the CSR policy, progress of the programmes is reviewed periodically by the Board level CSR Committee, as well as the management at the sites. During FY 2015-16, CSR expenditure was INR 51.36 crores, an 18% increase compared to FY 2014-15.

### EXPENDITURE FOR COMMUNITY INITIATIVES (INR CRORES)








## NUTRITION AND HEALTH CARE

### VIJAYANAGAR -






-  **700+** Mission Institution Deliveries covered 1,600+ pregnant women, 700+ institutional deliveries at Jindal Sanjeevani Hospital
-  **30K+** HIV / AIDS awareness for 30,000+ truckers, referral to 7,500+ truckers in medical clinics
-  **15K+** 15,000+ people benefitted from health camps, including 650+ free cataract surgeries.
-  **VIMS** Establishment of a state-of-the-art Special New Born Care Unit at Vijayanagara Institute of Medical Sciences.

### DOLVI -

-  **40K+** Awareness, rural health camps, preventive measures, medical camps in schools, provision of medicines to Primary Healthcare Centres (PHCs) benefitted 40,000+ people in 23 villages
-  **15K+** Mission for Vision: Eye check-up drive covered 88 schools in the direct impact zone (DIZ) benefitting 15,000+ students, 1,826 free vision corrective spectacles distributed
-  **8K+** To check water borne diseases, 8000+ Cloriwat (water purifier) bottles distributed in DIZ
-  **1.6K+** Mission for Vision: 1,600+ rural people screened in the DIZ and 1,286 vision corrective spectacles distributed
-  **PHC** PHC infrastructure upgrade: PHCs in the DIZ were provided with Ultrasound Machines (Macheri PHC) and Laundry equipment (Srirangam PHC)





## NUTRITION AND HEALTH CARE

### VASIND -





	<b>1.2K</b>	Launched the Phone Sakhi - 'M-Mitra' programme to reach out to women to spread awareness about safe motherhood and child care. So far more than 1200 women have benefitted.
	<b>04</b>	Antenatal Health Camps - 4 camps benefitted 250+ women, 40+ lactating mothers and 30+ children (0 to 6 months of age)
	<b>550+</b>	Facilitated 550+ sonography and anomaly scans in the DIZ
	<b>650+</b>	Multi-specialty rural health camp benefitted 650+ people in the DIZ
	<b>3K+</b>	Eye care programme - reached out to 3,000+ patients, 1,500+ cataracts detected and 1,000+ successful cataract operations conducted

## SKILL DEVELOPMENT


### VIJAYANAGAR -

	<b>600+</b>	600+ Women under 44 new Self-Help Groups; 2,000+ women from SHGs received training.
	<b>1.5CR</b>	Facilitated INR 1.55 crores credit linkages to SHGs women
	<b>200+</b>	200+ women are undergoing tailoring courses at four satellite tailoring training centres.
	<b>1.6K+</b>	Women non-voice rural BPO 'Data Halli' benefitted 1,600+ women so far

### DOLVI -





	<b>34</b>	SHG federation of 34 SHGs constituted and linked with the bank
	<b>400+</b>	400+ women were trained in Karate
	<b>400+</b>	400+ women representing 78 SHGs were trained in basic account keeping
	<b>300+</b>	300+ tribal families benefited by animal husbandry initiative

### SALEM -

	<b>25</b>	Presently 25 women are undergoing garment making training
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## EDUCATION

### VIJAYANAGAR -




	<b>32</b>	32 Computer Aided Learning Centres running successfully
	<b>69</b>	69 Honorary teachers provided to government schools in DIZ
	<b>75</b>	75 Students enrolled in Tamanna school, 5 of which won medals in National games for special children
	<b>OPJC</b>	OPJC has an enrollment of 546 students

## EDUCATION





### DOLVI -

-  **2K+** 2000+ Students benefited from school infrastructure up-gradation initiatives
-  **OPJC** OPJC training centre: over 50 students received computer hardware and beautician training


### SALEM -

-  **3** 3 state government schools adopted in DIZ
-  **1K** 1,000+ students are benefitting from remedial classes
-  **86** 86 meritorious students received JSW scholarship

### VASIND -



-  **31** 1,800+ adolescent boys and girls covered under 31 workshops
-  **5K** Organized Nehru Science Centre on Wheels benefitted 5,000 school children
-  **25K+** Jidnyasa Mini Science Centre: Table-top science models for 25,000+ students in 53 secondary schools
-  **6** Pre-Education: 6 anganwadis have been developed as model anganwadis; appointed 10 early pre-education teachers.

### KALMESHWAR -

-  **20K+** A mega science exhibition and event was organized, 20,000+ people visited from Kalmeshwar and surrounding towns.

## WATER AND SANITATION


### VIJAYANAGAR -

-  **69** Promoting Swachh Bharat Mission in schools; toilets in 69 schools within DIZ
-  **HEALTH IN HANDS** A handbook for health awareness and daily healthy practices 'Health in Our Hands' published and distributed to all schools in DIZ

### DOLVI -

-  **1.2K+** Constructed 5 community toilets in 5 villages benefitting 1200+ families

### VASIND -

-  **700+** Constructed 2 school toilets in DIZ to benefit 700+ students

### SALEM -

-  **DRINKING WATER** Drinking Water: 1,000 L/hour RO water plant at Mecheri, 500 L/hour RO water plant at Mettur, 250 L/hour RO water plant for state Government ITI Mettur

ARTS. CULTURE AND SPORTS

KALMESHWAR -



500+

500+ students participated in a 3-day sports event representing 16 schools of 12 surrounding villages



5K+

Organized Nagpur district marathon, 5,000+ runners participated in the event



RIO OLYMPICS 2016

JSW Sports Excellence Program (SEP) is proud to cheer for 8 Olympic Qualifiers who will be competing with best of the best at the most prestigious sports platform

RIO OLYMPICS 2016



SUMIT NAGAL

Young Indian talent **Sumit Nagal**, who won the **Wimbledon Junior Men's Doubles** title, has become the first tennis player to be supported by **JSW's Sports Excellence Program (SEP)**.

6

## RESOURCE STEWARDSHIP

SDG: G-6, G-7, G-12, G-13, G-15 | WSA: SI-3

NVG: P-2, P-6 | UNGC: GC-8

Waste recycling (hazardous + non-hazardous):

1,897

Metric Tonnes

Utilising waste heat:

71%

Scrap recycling:

943,808

Metric Tonnes

Re-Utilising waste gases:

98.5%

Recycling and reuse of wastewater:

30%

Inward and Outward logistics via rail:

76%

“

*It is noteworthy that indirect GHG emissions, at JSW Steel, have decreased by 3496 tons of CO<sub>2</sub>e, in FY 2015-16. JSW has increased the share of rail by 76% for inward and outward logistics. JSW utilized 71% of waste heat and 98.5% of waste gases and recycled 1897 tons of hazardous and non-hazardous wastes.*

”

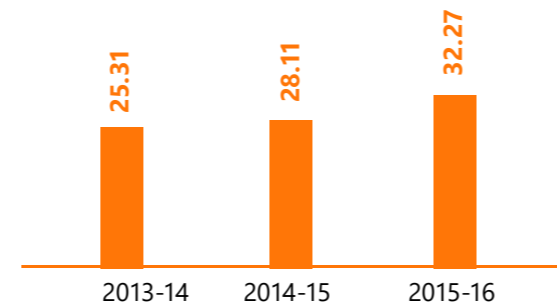
# BEING RESPONSIBLE To The Environment

JSW Steel continues to pursue its vision of "Global recognition for quality and efficiency while nurturing nature and society". Despite adverse economic conditions, JSW continues on an accelerated growth path - expanding capacities, building new manufacturing facilities, and acquisitions. Such diversified growth poses challenges in deploying common standards of operational excellence that are clean and safe. To complement this growth, JSW has taken up the challenge to decouple growth and its impact on the environment and resources. JSW Steel has taken several steps to achieve this. JSW continues to diligently adhere to policies on quality, environment, occupational health & safety, and several other key subjects and deploy certified management systems and processes based on Six Sigma, TPM and TQM. Project-level innovations and interventions, to improve our resource stewardship and overall performance are complimented by continual improvement efforts.

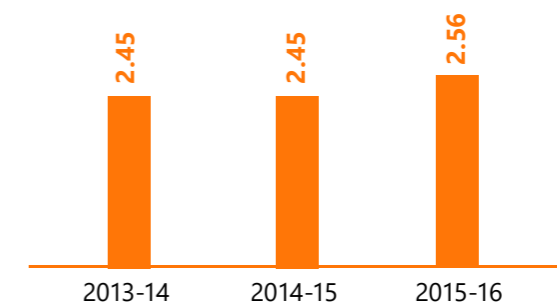
JSW Steel is constantly upgrading and adopting advanced technologies to maintain or lower the energy intensity. The company is well aware of the global concern on climate change and carbon-intensive growth, and is therefore putting greater emphasis on responding to varied needs and expectations of the stakeholders. In keeping with the commitment of the Government of India, JSW has taken up targets to decrease the carbon intensity of growth. This is a challenge and will require a multi-pronged, innovation-led approach coupled with all-round efforts. In FY 2015-16 due to higher production as well as losses in stabilization phases during expansion of blast furnaces at Dolvi and Vijayanagar, both energy and GHG intensities' have increased despite our best efforts. It is noteworthy that indirect GHG emissions, at JSW Steel, have decreased by 3496 tons of CO<sub>2</sub>e, in FY 2015-16. JSW has increased the share of rail by 76% for inward and outward logistics. JSW utilized 71% of waste heat and 98.5% of waste gases and recycled 1897 tons of hazardous and non-hazardous wastes.

## Energy & Emissions

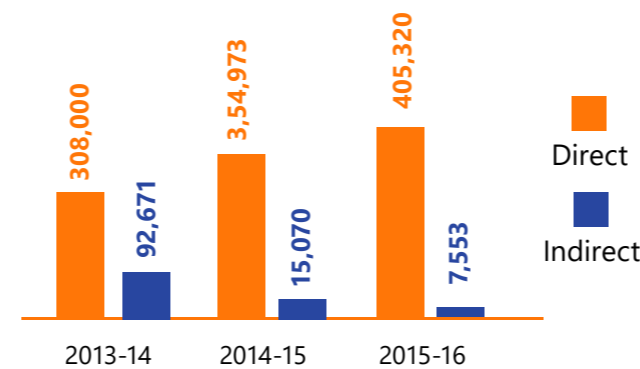
**JSW SL SPECIFIC ENERGY CONSUMPTION**  
(Million GJ / t of crude steel)



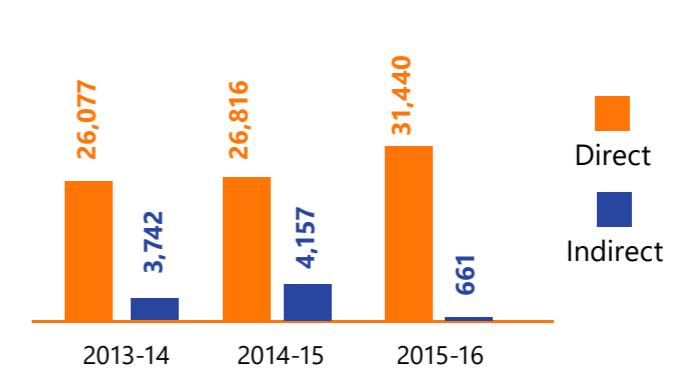
**JSW SL SPECIFIC GHG EMISSIONS**  
(Million tCO<sub>2</sub>e / t of crude steel)



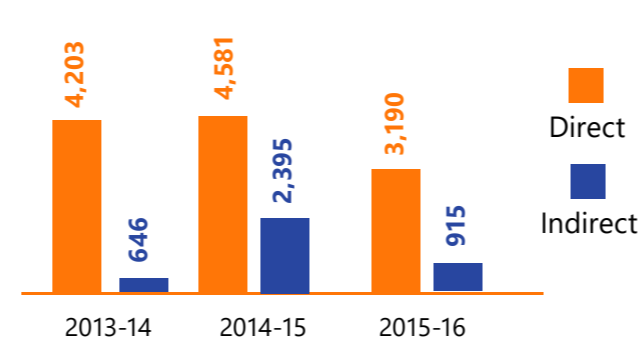
**JSW SL ENERGY CONSUMPTION ('000GJ)**



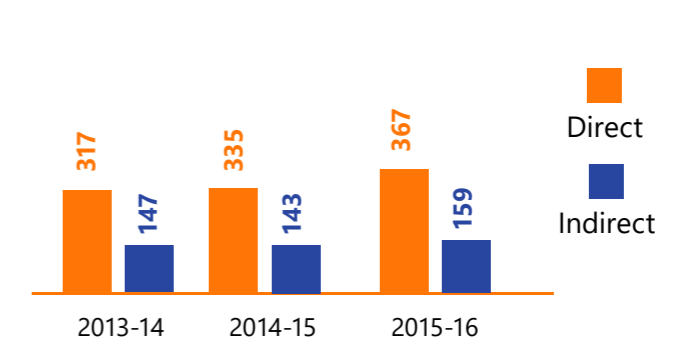
**JSW SL GHG EMISSIONS ('000 tCO<sub>2</sub>e)**



**JSW SCPL ENERGY CONSUMPTION ('000GJ)**



**JSW SCPL GHG EMISSIONS ('000 tCO<sub>2</sub>e)**



In 2015-16, JSW ARCL consumed 22,697,340 GJ direct and 454,964 GJ indirect energy. JSW SPCL consumed 398 GJ direct and 16,980 GJ indirect energy.

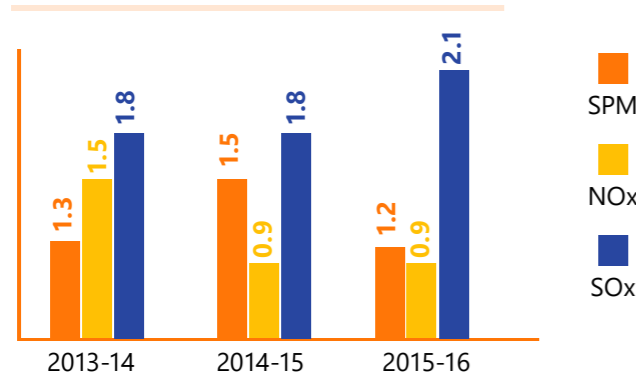
In 2015-16, JSW ARCL emitted 4,182 direct and 143,673 thousand tCO<sub>2</sub> GHG emissions. JSW SPCL had negligible direct emissions and 2,000 tCO<sub>2</sub> indirect emissions.

In keeping up with the commitment to reduce our impact on the environment, JSW is continuing to develop its products in a manner that reduces our carbon emissions in the overall value chain and decreases natural resource consumption. Towards this the company is monitoring the use of its water resources and quality of effluent discharged. JSW endeavors to trap pollutants at their source, monitor the operation of pollution control equipment, and continually improve the treatment such that discharges are significantly within regulatory limits.

We have decreased water intensity of our operations from 4.89 m<sup>3</sup> / ton of steel in 2013-14 to 4.57 m<sup>3</sup> / ton of steel in 2014-15, and further to 4.52 m<sup>3</sup>/ton in 2015-16. JSW in the reporting period, has used 30 % of the water from a recycled source. We are aware water is scarce, and competes with many other uses in the surrounding regions. To alleviate this risk, JSW undertook initiatives under natural resource management for watershed development, covering about 8,000 hectares of land. Further, resource stewardship efforts of JSW resulted in scrap recycling of 943,808 metric tonnes in the reporting period.

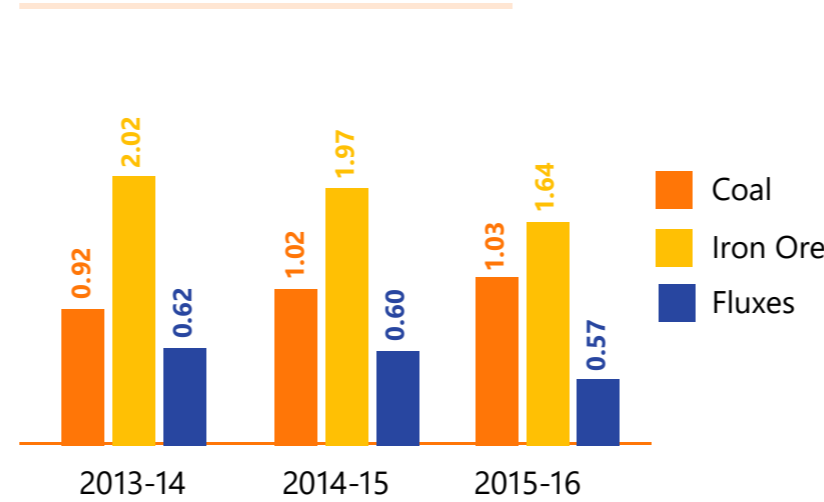
JSW continued efforts to ensure a positive impact on its surrounding flora and fauna and local ecosystems. The Company continues to actively contribute to Indian Business and Biodiversity Initiative (IBBI), an initiative by the Confederation of Indian Industry (CII) in partnership with India's Ministry of Environment, Forests & Climate Change. JSW Policies on Sustainable Steel Production, Conservation and Preservation of Environment in conjunction with policies of our manufacturing units covering Environment, Occupational Health & Safety,

**OTHER EMISSIONS (JSW SL) (KG/t OF CRUDE STEEL)**

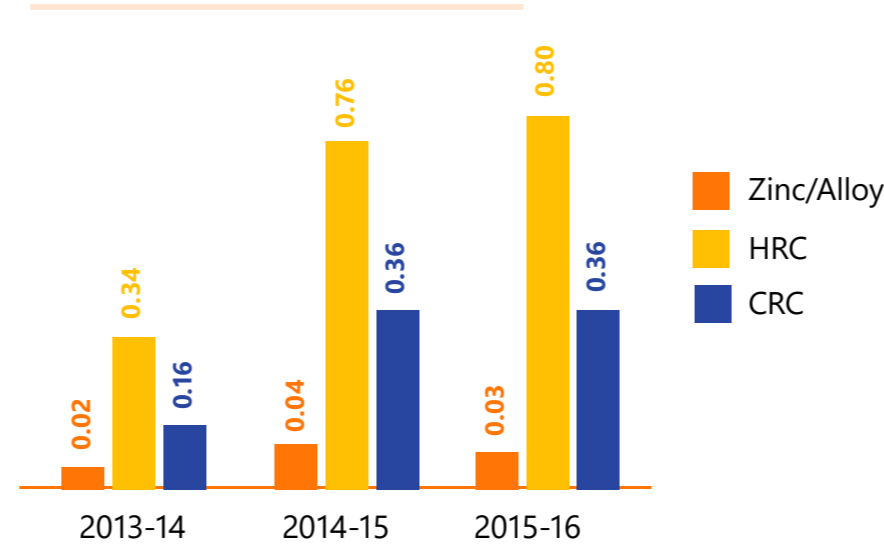


**Materials & Waste**

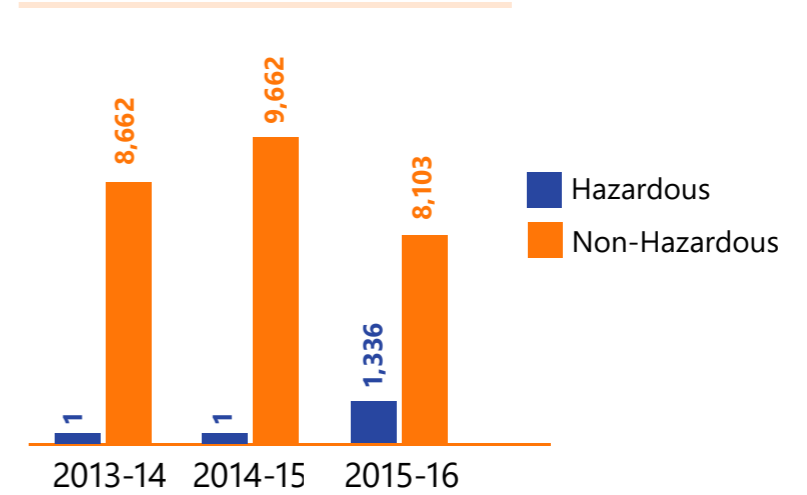
**JSW SL SPECIFIC MATERIAL CONSUMPTION (T/t OF CRUDE STEEL)**



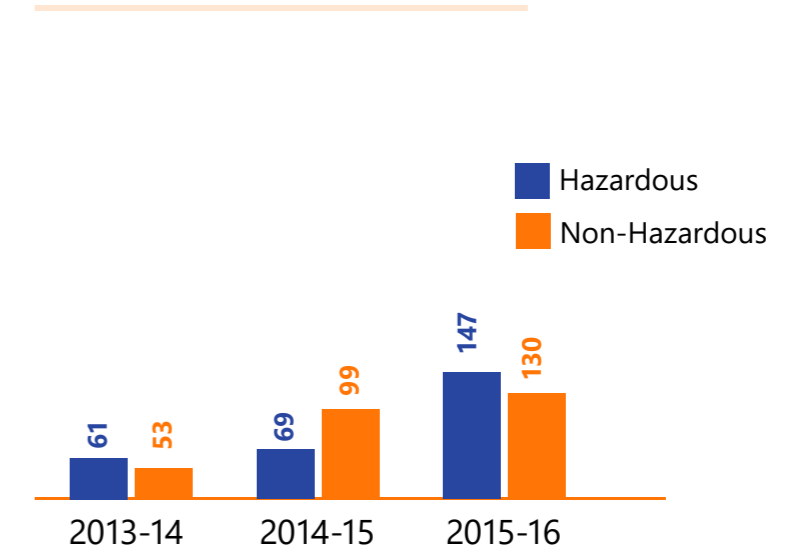
**JSW SCPL SPECIFIC MATERIAL CONSUMPTION (T/t OF PRODUCT)**



**JSW SL TOTAL WASTE GENERATED ('000 TONS)**



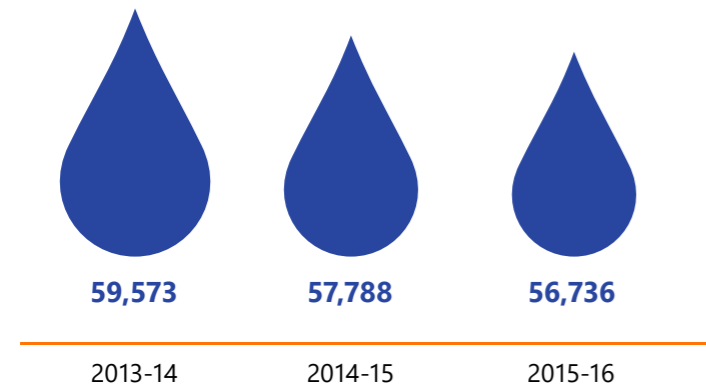
**JSW SCPL TOTAL WASTE GENERATED ('000 TONS)**



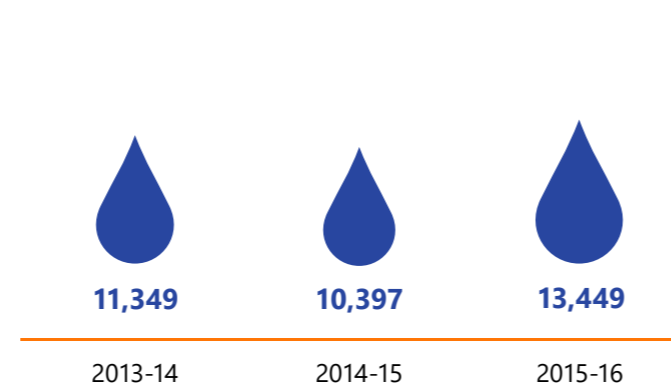
In 2015-16, JSW ARCL generated 10,000 ton hazardous and 20,000 ton non-hazardous waste. JSW SPCL generated 4,000 ton hazardous waste.

## Water Consumption

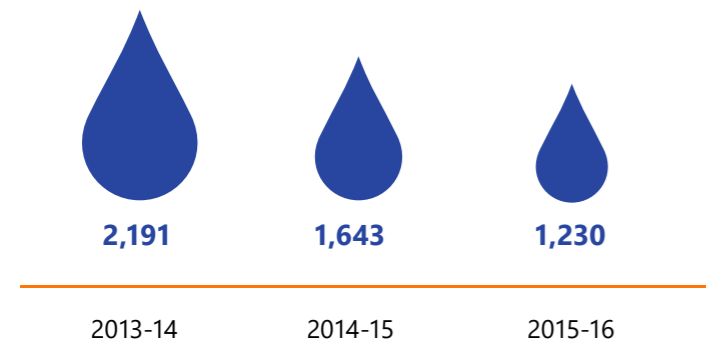
### JSW SL TOTAL WATER CONSUMED ('000 KL)



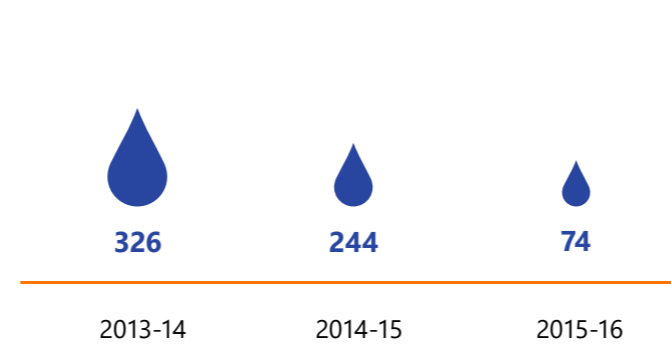
### JSW SL TOTAL WATER RECYCLED ('000 KL)



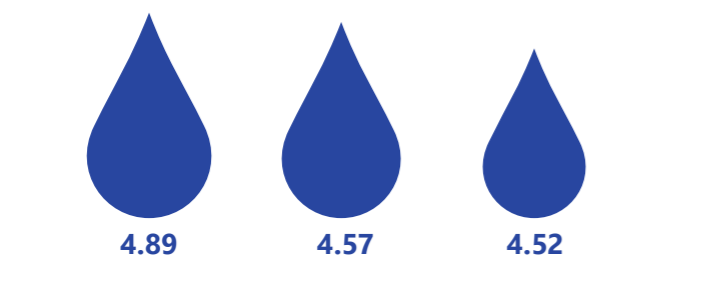
### JSW SCPL TOTAL WATER CONSUMED ('000 KL)



### JSW SCPL TOTAL WATER RECYCLED ('000 KL)



### JSW SL - SPECIFIC WATER CONSUMPTION (m<sup>3</sup>/t OF CRUDE STEEL)



### JSW SCPL - SPECIFIC WATER CONSUMPTION (m<sup>3</sup>/t OF PRODUCT)



## Bio-Diversity

In FY 2015-16, JSW Steel put in significant efforts to ensure a positive impact on its surrounding flora and fauna and local ecosystems. The Company was among the pioneers to sign up and commit to the Indian Business and Biodiversity Initiative (IBBI), an initiative by the Confederation of Indian Industry (CII) in partnership with India's Ministry of Environment, Forests & Climate Change. This has helped to not only learn from peers about their efforts to manage biological diversity at their locations, but also to demonstrate to stakeholders the Company's commitment and efforts towards a sustainable future.

Manufacturing operations of JSW Steel do not cause any significant negative impact on biological diversity. JSW Steel expects its suppliers involved in mining and similar operations, with potential impact on biodiversity, to be compliant with applicable laws and take due care of biodiversity. In addition, JSW Steel undertakes activities in and around our manufacturing sites to conserve, preserve and enhance the biological diversity.

The Company has adopted an integrated approach towards addressing biological diversity and other issues at the various sites. Initiatives to make water available for business and community use are integrated with those to address natural resource management, climate change, biological diversity, promotion of green belts and livelihood generation. Wastelands around the sites and open spaces within the premises are being converted into green belts, leading to reduced dust, improved micro-climate conditions, enhanced ambience for natural flora and fauna, reduction in evaporation losses of water, and so on.

In 2015-16, JSW ARCL and JSW SPCL consumed 1,313,089 KL and 3,521KL water respectively. JSW SL and its subsidiaries do not discharge wastewater.



# 7

## FROM THE DESK OF THE CSO

**SDG:** G-7, G-8, G-9, G-12 | **WSA:** SI-3, SI-7

**NVG:** P-4, P-6, P-9 | **UNGC:** GC-8



*We continue with our commitment by contributing to UN SDGs and have elaborated the same further in this report. We disclose in this report our sustainability performance in line with GRI G4 guidelines and also report our contribution to UN SDGs, WSA's sustainability indicators and comply to NVGs of Government of India.*



*Sustainability performance targets are determined in keeping with our context - regional, global, sectoral and business goals. We have operations that are diverse - technology, locations and maturity.*





As a responsible company, we have proactively developed sustainability targets for the next 3 years for the material issues. Sustainability performance targets are determined in keeping with our context - regional, global, sectoral and business goals. We have operations that are diverse - technology, locations and maturity. So our sustainability targets to different parts of the business are determined accordingly.

We continue with our commitment by contributing to UNGC and SDGs and have elaborated the same further in this report. We disclose in this report our sustainability performance in line with GRI G4 guidelines and also report our contribution to UN SDGs, WSA's sustainability indicators and conformance to NVGs of Government of India.

Our CSR expenditure has increased over last year substantially (18%) in spite of no operating profit in this FY. Our strong focus on the safety training has also reduced the LTIFR by 9%. We continue to perform on waste energy recovery with 98.5% waste gas utilization and 71% waste heat recovery. The continued innovation projects have resulted in development of new products for many domestic applications, specifically in the auto sector. This, in turn, helped support our revenues in this reporting period.

We have been and continue to follow quarterly external audits of our sustainability performance. We believe that this approach helps us focus on sustainability despite the multiple operational pressures.

We have been successful in integrating, to a significant extent, sustainability in business decision making. We are sure that this will be reinforced through our focus on material issues. We will continue to have strong focus on the stakeholder engagement along the value chain to deliver long term stakeholder value.

Requests for additional information and feedback on this Sustainability Report may be sent to: [suman.majumdar@jsw.in](mailto:suman.majumdar@jsw.in)

**Dr S Majumdar**  
Chief Sustainability Officer  
JSW Steel Limited

Dear Stakeholders,

'More Smiles per Ton of Steel' continues to galvanize us towards higher performance level even during turbulent and tough times of this reporting period 2015-16. While it was known, when going gets tough, tough get going, it was indeed a challenge to be "Always Ahead Responsibly". The context for the 2016 report is quite different, coming as it does on the heels of a turbulent year, one defined in many ways by global headwinds severely impacting commodity markets.

During this reporting period, we have reviewed the sustainability issues that have significant impact on our business and the lives of our stakeholders, through an extensive stakeholder engagement and detailed analysis conducted by a third party. The significance of material issues along the value chain is identified and action plans to address these issues are developed. The process involved 7 locations including the Corporate Office, wherein meetings and interactions were held with nearly 300 stakeholders.

....when going gets tough, tough gets going, it was indeed a challenge to be "Always Ahead Responsibly"

## ABBREVIATIONS

**ASSOCHAM:** The Associated Chambers of Commerce of India

**BF:** Blast Furnace

**BPO:** Business Process Outsourcing

**CCQC:** Chapter Convention Quality Circle

**CII:** Confederation of Indian Industry

**COG:** Coke Oven Gas

**CRC:** Cold Rolled Coils

**CRCA:** Cold Rolled Close Annealed

**CSR:** Corporate Social Responsibility

**EHS:** Environment, Health and Safety

**GHGs:** Greenhouse Gases

**GI:** Galvanised Iron

**GJ:** Giga Joules

**GL:** GalvaLume

**GRI:** Global Reporting Initiative

**HRC:** Hot rolled coils

**ICQCC:** International Convention on Quality Circle Chapter

**IFAC:** International Federation of Accountants

**JSW ARCL:** JSW Amba River Coke Limited

**JSW SCPL:** JSW Steel Coated Products Limited

**JSW SL:** JSW Steel Limited

**JSW SPCL:** JSW Steel Processing Centres Limited

**KPIs:** Key Performance Indicators

**MLD:** Million litres per Day

**MTPA:** Metric tonnes per annum

**NCQC:** National Convention on Quality Circle

**NGOs:** Non-Governmental Organisation

**NVG:** National Voluntary Guidelines

**ODS:** Ozone Depleting Substances

**OEM:** Original Equipment Manufacturer

**OPJC:** OP Jindal Centre

**PHC:** Primary Health Centre

**SDGs:** Sustainable Development Goals

**SEBI:** Securities and Exchange Board of India

**SHG:** Self-help Group

**SMART:** Specific-Measurable-Achievable-Realistic-Time-bound Objective

**SMS:** Steel Melting Shop

**tCO<sub>2</sub>e:** Tons of Carbon Dioxide Equivalent

**TMT:** Thermo-Mechanically Treated

**TPM:** Total Productive Maintenance

**TQM:** Total Quality Management

**UNGC:** United Nations Global Compact

**VFD:** Variable Frequency Drive

**WSA:** World Steel Association

# ASSURANCE



**KPMG (Registered)**  
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**Independent Limited Assurance Statement to JSW Steel Limited on its Sustainability Report for Financial Year 2015-16**

To the Management of JSW Steel Limited, India

**Introduction**

JSW Steel Limited ('the Company' or 'JSW Steel') has requested KPMG to provide an independent assurance on its Sustainability Report for FY 2015-16.

The Company's management is responsible for the content of the report, identification of the key issues, engagement with stakeholders and its presentation.

KPMG's responsibility is to provide limited assurance on the report content as described in the scope of assurance. The assurance report should not be taken as a basis for interpreting the Company's overall performance, except for the aspects mentioned in the scope below.

**Reporting Criteria**

JSW Steel applies its own sustainability performance reporting criteria, derived from the Sustainability Reporting Guidelines (G4) of GRI including the metals and mining sector disclosures, World Steel Association (WSA) guidelines, and National Voluntary Guidelines on Social, Economic and Environmental responsibilities of business, and is also aligned to the UN Sustainable Development goals (SDGs), as detailed in the 'Report scope and boundary'.

**Assurance standards used**

We conducted the assurance in accordance with

- Limited Assurance requirements of International Federation of Accountants' (IFAC) International Standard on Assurance Engagements (ISAE) 3000 (Revised), Assurance Engagements Other than Audits or Reviews of Historical Financial Information,
  - Under this standard, we have reviewed the information presented in the report against the principles of relevance, completeness, reliability, neutrality and understandability.

**Scope and limitations**

- The scope of assurance covers JSW Steel's sustainability performance between 01 April 2015 to 31 March 2016.
- The sustainability specific performance data and information covering the Company's operations at Vijayanagar, Salem and Dolvi and its subsidiaries JSW Steel Coated Products Limited, JSW Steel Processing Centres Limited and Amba River Coke Limited.
- The Company's internal protocols, processes, and controls related to the collection, collation, and reporting of sustainability performance data.
- The Company's approach to identify material issues and engage with its stakeholders.
- The assurance scope excludes;
  - The Company's financial performance;

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CIN U74140MH2005PTC153503



- The Company's statements that describe expression of opinion, belief, aspiration, expectation, aim or future intention provided by the Company and assertions related to Intellectual Property Rights and other competitive issues;

The General and Specific Standard Disclosures subject to assurance were as follows;

General Standard Disclosures	Specific Standard Disclosures
<ul style="list-style-type: none"> <li>• Strategy and Analysis – G4-1</li> <li>• Organizational Profile – G4-3 – G4-6, G4-8 – G4-11, G4-14 – G4-16</li> <li>• Identified Material Aspects and Boundaries – G4-17 – G4-23</li> <li>• Stakeholder Engagement – G4-24 – G4-27</li> <li>• Report Profile – G4-28 – G4 - 33</li> <li>• Governance – G4-34</li> <li>• Ethics and Integrity – G4 -56</li> </ul>	<ul style="list-style-type: none"> <li>• Economic – Economic Performance (G4-DMA,G4-EC1), Indirect economic impacts (G4-DMA, G4-EC7 - G4-EC8), Procurement Practices (G4-DMA, G4-EC9)</li> <li>• Environment - Materials (G4-DMA, G4-EN1-G4-EN2), Energy (G4-DMA, G4-EN3), Water (G4-DMA, G4-EN8 – G4-EN10), Emissions (G4-DMA, G4-EN15 – G4-EN16, G4-EN21), Effluents and waste (G4-DMA, G4-EN23), Products and Services( G4-DMA, G4-EN27), Compliance (G4-DMA, G4-EN29), Supplier Environmental Assessment (G4-DMA, G4-EN32)</li> <li>• Labor Practices and Decent Work – Employment (G4-DMA, G4-LA1 – G4LA2), Occupational Health and Safety (G4-DMA, G4-LA6), Training and Education (G4-DMA, G4-LA9), Diversity and Equal Opportunity (G4-DMA, G4-LA12), Supplier Assessment for Labor Practices (G4-DMA, G4-LA14)</li> <li>• Society – Local communities (G4-DMA, G4-SO1), Anti-corruption (G4-DMA, G4-SO3), Grievance Mechanism for Impacts on Society (G4-DMA, G4 - SO11)</li> </ul>

**Assurance procedures**

Our assurance processes involve performing procedures to obtain evidence about the reliability of specified performance information. The nature, timing and extent of procedures selected depend on our judgment, including the assessment of the risks of material misstatement of the performance indicators as well as standard disclosures whether due to fraud or error. In making those risk assessments, we have considered internal control relevant to the preparation of the Report in order to design assurance procedures that are appropriate in the circumstances.

Our assurance procedures also included:

- Assessment of JSW Steel's reporting procedures for sustainability reporting regarding their conformance to the GRI G4 guidelines.
- Evaluating the appropriateness of the quantification methods used to arrive at the data presented in the Report.
- Verification of systems and procedures used for quantification, collation, and analysis of sustainability performance indicators included in the Report.



- Understanding the appropriateness of various assumptions, estimations and materiality thresholds used by JSW Steel for data analysis.
- Discussions with the personnel responsible for the evaluation of competence required to ensure reliability of data and information presented in the Report.
- Discussion on sustainability with senior executives at the different plant locations and at the corporate office to understand the risk and opportunities from sustainability context and the strategy JSW Steel is following.
- Assessment of data reliability and accuracy.
- We have relied on the data and information related to the Company's financial performance, sourced from its audited annual report for the FY 2015-16 and included in the Report.
- Verification of key performance data through site visits to operational locations at Vijayanagar, Salem and Dolvi and subsidiaries JSW Steel Coated Products Limited located at Tarapur, Vasind and Kalmeshwar, JSW Steel Processing Centres Limited located at Vijayanagar and Amba River Coke Limited, located at Dolvi on a quarterly basis for
  - Testing reliability and accuracy of data on a sample basis
  - Understanding technical conversion factors considered
  - Assessment of the stakeholder engagement process through interactions with relevant internal stakeholders and review of relevant documentation
  - Review of the processes deployed for collection, compilation, and reporting of sustainability performance indicators at corporate and plant level.

Appropriate documentary evidence was obtained to support our conclusions on the information and data verified. Where such documentary evidence could not be collected on account of confidential information our team verified the same at JSW Steel's premises.

**Conclusions**

We have reviewed the Sustainability Report of JSW Steel Limited. Based on our review and procedures performed as described above, nothing has come to our attention that causes us not to believe that:

- The report does present JSW Steel's sustainability performance covering its operations as mentioned in the scope.
- Material issues that have impact on JSW Steel and are of interest to its stakeholders have been highlighted in the report.
- The report is in accordance with the GRI's G4 Sustainability Reporting Guidelines.

**Independence**

The assurance was conducted by a multidisciplinary team including professionals with suitable skills and experience in auditing environmental, social and economic information in line with the requirements of ISAE 3000 standard. Our work was performed in compliance with the requirements of the IFAC Code of Ethics for Professional Accountants, which requires, among other requirements, that the members of the assurance team (practitioners) as well as the assurance firm (assurance provider) be independent of the assurance client, in relation to the scope of this assurance engagement, including not being involved in writing the Report. The Code also includes detailed requirements for practitioners regarding integrity, objectivity, professional competence and due care, confidentiality and professional behaviour. KPMG has systems and processes in place to monitor compliance with the Code and to prevent conflicts regarding independence. The firm applies ISQC 1 and the practitioner complies with the applicable independence and other ethical requirements of the IESBA code.



**Responsibilities**

JSW Steel is responsible for developing the Report contents. JSW Steel is also responsible for identification of material sustainability issues, establishing and maintaining appropriate performance management and internal control systems and derivation of performance data reported. This statement is made solely to the Management of JSW Steel in accordance with the terms of our engagement and as per scope of assurance. Our work has been undertaken so that we might state to JSW Steel those matters for which we have been engaged to state in this statement and for no other purpose. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than JSW Steel for our work, for this report, or for the conclusions expressed in this independent assurance statement. The assurance engagement is based on the assumption that the data and information provided to us is complete and true. We expressly disclaim any liability or co-responsibility for any decision a person or entity would make based on this assurance statement. By reading this assurance statement, stakeholders acknowledge and agree to the limitations and disclaimers mentioned above.

Santhosh Jayaram  
Partner  
KPMG India  
17 March 2017

## GRI Content Index: In Accordance - Core Option



### GENERAL STANDARD DISCLOSURES

General Standard Disclosures	Page Number or Link	Omissions
<b>STRATEGY &amp; ANALYSIS</b>		
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<b>ORGANIZATIONAL PROFILE</b>		
<b>G4-3</b>	Page 6	
<b>G4-4</b>	Page 4, 11-12	
<b>G4-5</b>	Page 53	
<b>G4-6</b>	Page 7-8	
<b>G4-7</b>	Page 7	
<b>G4-8</b>	Page 7-8	
<b>G4-9</b>	Page 7-8, 19, 22	
<b>G4-10</b>	Page 22	
<b>G4-11</b>	Page 21	
<b>G4-12</b>	Page 7-8, 15	
<b>G4-13</b>	No significant changes	
<b>G4-14</b>	Page 35	
<b>G4-15</b>	Page 1, 3	
<b>G4-16</b>	Page 16	

General Standard Disclosures	Page Number or Link	Omissions
<b>IDENTIFIED MATERIAL ASPECTS AND BOUNDARIES</b>		
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<b>G4-18</b>	Page 13-14, 41-42	
<b>G4-19</b>	Page 13-14	
<b>G4-20</b>	Page 13-14	
<b>G4-21</b>	Page 13-14	
<b>G4-22</b>	There were no restatements of any information provided in previous reports	
<b>G4-23</b>	There were no significant changes from previous reporting periods in the scope and aspect boundaries	
<b>STAKEHOLDER ENGAGEMENT</b>		
<b>G4-24</b>	Page 13, 41-42	
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G4-31	Page 42	
G4-32	Page 49-50	

General Standard Disclosures	Page Number or Link	Omissions
G4-33	Page 45-48	
<b>GOVERNANCE</b>		
G4-34	Page 5-6	
<b>ETHICS &amp; INTEGRITY</b>		
G4-56	Page 6	

### SPECIFIC STANDARD DISCLOSURES

DMA & Indicators	Page Number or Link	Identified Omissions	Reasons for Omissions	Explanation for Omissions
<b>ECONOMIC</b>				
<b>MATERIAL ASPECT: ECONOMIC PERFORMANCE</b>				
G4-DMA	Page 16-17			
G4-EC1	Page 4, 18-20			
<b>MATERIAL ASPECT: INDIRECT ECONOMIC IMPACTS</b>				
G4-DMA	Page 15			
G4-EC7	Page 27-28			
G4-EC8	Page 27-33			
<b>MATERIAL ASPECT: PROCUREMENT PRACTICES</b>				
G4-DMA	Page 15			
G4-EC9	Page 3-5			

DMA & Indicators	Page Number or Link	Identified Omissions	Reasons for Omissions	Explanation for Omissions
<b>ENVIRONMENTAL</b>				
<b>MATERIAL ASPECT: MATERIALS</b>				
G4-DMA	Page 35			
G4-EN1	Page 35-36			
G4-EN2	Page 3-4			
<b>MATERIAL ASPECT: ENERGY</b>				
G4-DMA	Page 35			
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<b>MATERIAL ASPECT: WATER</b>				
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<b>ENVIRONMENTAL</b>					<b>SOCIAL - LABOUR PRACTICES &amp; DECENT WORK</b>				
<b>MATERIAL ASPECT: WATER</b>					<b>MATERIAL ASPECT: EMPLOYMENT</b>				
<b>G4-EN9</b>	Page 37				<b>G4-DMA</b>	Page 21			
<b>G4-EN10</b>	Page 37,39				<b>G4-LA1</b>	Page 21-24			
<b>MATERIAL ASPECT: EMISSIONS</b>					<b>G4-LA2</b>	Page 21			
<b>G4-DMA</b>	Page 35				<b>MATERIAL ASPECT: OCCUPATIONAL HEALTH &amp; SAFETY</b>				
<b>G4-EN15</b>	Page 35-36				<b>G4-DMA</b>	Page 25			
<b>G4-EN16</b>	Page 35-36				<b>G4-LA6</b>	Page 26			
<b>G4-EN21</b>	Page 37				<b>MATERIAL ASPECT: TRAINING &amp; EDUCATION</b>				
<b>MATERIAL ASPECT: EFFLUENTS &amp; WASTE</b>					<b>G4-DMA</b>	Page 21			
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<b>MATERIAL ASPECT: PRODUCTS &amp; SERVICES</b>					<b>G4-DMA</b>	Page 21			
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<b>G4-EN27</b>	Page 37				<b>MATERIAL ASPECT: SUPPLIER ASSESSMENT FOR LABOR PRACTICES</b>				
<b>MATERIAL ASPECT: COMPLIANCE</b>					<b>G4-DMA</b>	Page 15			
<b>G4-DMA</b>	Page 40				<b>G4-LA14</b>	Page 15			
<b>G4-EN29</b>	Page 40				<b>SOCIAL - SOCIETY</b>				
<b>MATERIAL ASPECT: SUPPLIER ENVIRONMENTAL ASSESSMENT</b>					<b>MATERIAL ASPECT: LOCAL COMMUNITIES</b>				
<b>G4-DMA</b>	Page 15				<b>G4-DMA</b>	Page 27			
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DMA & Indicators	Page Number or Link	Identified Omissions	Reasons for Omissions	Explanation for Omissions	DMA & Indicators	Page Number or Link	Identified Omissions	Reasons for Omissions	Explanation for Omissions
<b>SOCIAL - SOCIETY</b>					<b>SOCIAL - SOCIETY</b>				
<b>MATERIAL ASPECT: ANTI CORRUPTION</b>					<b>MATERIAL ASPECT: GRIEVANCE MECHANISM FOR IMPACTS ON SOCIETY</b>				
<b>G4-DMA</b>	Page 6	a. Report the total number and percentage of operations assessed for risks related to corruption.  b. Report the significant risks related to corruption identified through the risk assessment.	Confidentiality Constraints	Assessment for risks related to corruption are conducted at all operations; however, the details of the same are privy only to the company's senior management.	<b>G4-DMA</b>	Page 7			
<b>G4-SO3</b>	Page 6				<b>G4-SO11</b>	Page 17			



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