قطر ستيل
QATAR STEEL

2019
SUSTAINABILITY REPORT

His Highness
Sheikh Hamad Bin Khalifa Al Thani
The Father Amir

His Highness
Sheikh Tamim Bin Hamad Al Thani
The Amir of the State of Qatar

CONTENTS

About the Report

Welcome to Qatar Steel's 9th annual sustainability report. It covers the period of 1st January 2019 to 31st December 2019. This report is guided by Qatar Steel's commitment to sustainability, accountability, and transparency. Within these pages, you will find a comprehensive review of the company's achievements and sustainability progress for 2019 in alignment with the Qatar National Vision 2030.

This report has been prepared in accordance with the GRI Standards: Core option.

This report also discloses performance against key performance indicators relevant to the World Steel Association (worldsteel) and the United Nations Sustainable Development Goals (SDGs) and outlines the global sustainability goals Qatar Steel strives to achieve through its strategy roadmap and operational activities.

We encourage you to share your feedback on this report by contacting: sustainability@qatarsteel.com.qa

Message

Managing Director & Chief Executive Officer's Message

Welcome to Qatar Steel's 9th annual sustainability report.

Despite a challenging year due to global slowdown and changing market dynamics, Qatar Steel continues to make enormous strides in advancing its sustainability initiatives.

Qatar Steel received the upgraded rating of "1 Rosette" from UK CARES becoming the first company in the Middle East and one of the four companies in the world to have received such recognition for the efforts taken towards Sustainable Development. We were recognized for our Health, Safety and Environmental initiatives by the World Steel Association and received the 2019 award for Safety and Health Excellence, as well as recognition for the CO_2 data collection project. Additionally, our operational efficiency and sustainability efforts helped to achieve an increase in use of recycled input material totaling 591,591 metric tonnes. The training hours each employee receives per year has more than tripled since 2016 to an average of 24 hours per employee in 2019.

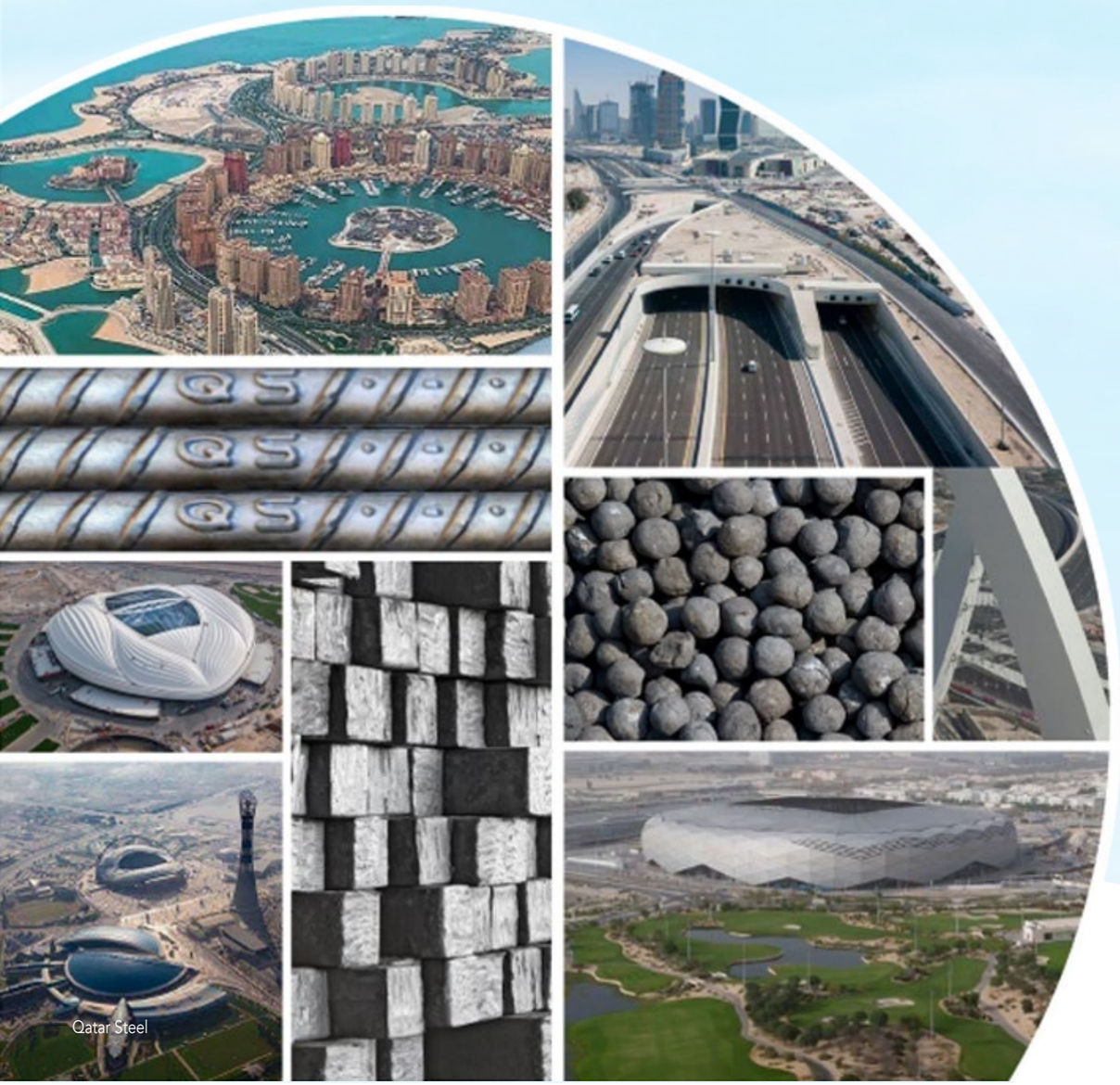
As we move forward, we will strive for continual improvement and are committed to transform QS to a "Leading High Performing Company" in the steel industry. We will do so with the same spirit of innovation that has defined QS, recognizing our motto: "Building the future".

Mohammed Nasser M A Al-Hajri
Managing Director and Chief Executive Officer

About Qatar Steel

Qatar Steel was established in 1974 as the first integrated iron and steel plant in the Arabian Gulf. Over the past four decades the company made a reputation as established leader in the steel industry within the GCC region. Our steel has gone into the making of buildings and structures all across the MENA region.

Production operations are based in Mesaieed Industrial City, 45 kilometres south of Doha, where Qatar Steel's corporate headquarters are based. The Company's plant consists of direct reduction modules, electric arc furnaces, ladle furnaces, continuous billet casting machines and rolling mills, which produce direct reduced iron, steel billets and reinforcing steel bars. The plant with its office occupies an area of 1,354,601 square meters, and a further 375,000 square meters plot adjacent to the site reserved for future development and expansion.



Ownership, Subsidiaries and Affiliates

Qatar Steel is fully owned by Industries Qatar [1] (IQ) since 2003. Qatar Steel puts emphasis on investing in high-quality materials by diversifying in the market and investing in strategic, long-term as well as international partnerships. The company's shareholdings in the regional steel industry include SOLB Steel Company in Saudi Arabia (31.03%) as well as Foulath Holding B.S.C. in Bahrain (25%).

(Refer to pg.14 of the 2019 Annual Report for an overview of Qatar Steel's Subsidiaries and Affiliates).

Qatar Steel Company FZE – Dubai

The Company also operates a UAE based subsidiary – Qatar Steel Company FZE, established in July 2003 to meet the demand for wire rod and rebar products in the GCC and internationally. Qatar Steel Company FZE has two production facilities in Jebel Ali Free Zone, Dubai, UAE: A Wire Rod Mill and a Rebar Mill with a capacity of 240,000 and 300,000 metric tonnes per year, respectively.

Qatar Metals Coating Company W.L.L.

Qatar Metals Coating Company W.L.L (Q-Coat) is a joint venture between Qatar Steel and Qatar Industrial Manufacturing Company (QIMC). Q-Coat was established with a vision to provide a solution to combat the corrosion of rebar, a widespread challenge in the industry. Q-Coat produces Fusion Bonded Epoxy (FBE) coated rebar – this epoxy coating provides long term adhesion of concrete to steel and ensures that the rebars are protected over a wide temperature range and different types of climatic conditions. Qatar Steel and Qatar Industrial manufacturing Company each owns 50% of Q-Coat which has a production capacity of 100,000 metric tonnes per year. In 2019, the plant operated at an average capacity level of 32%.

SOLB Steel Company

Qatar Steel owns 31.03% share in SOLB Steel Company. SOLB Steel Company has a production capacity of 1.0 mtpa for Steel Melt Shop and 0.5 mtpa for Rolling Mill. Commercial operations started in January 2013. However, due to continuous losses and liquidity problem, production facilities of Steel Melt Shop & Rolling Mill plants were stopped on 30th Sept. and 7th. October 2019 respectively for a renewal term of one year.

Foulath Holding B.S.C.

Established in 2008, Foulath Holding B.S.C is a Bahraini closed Joint Stock Company. Its focus is on investing in steel industry in the Gulf Cooperation Council (GCC) Countries, Middle East and North African (MENA) region. Qatar Steel owns 25% share in Foulath. The group comprises the following companies: Bahrain Steel B.S.C, United Stainless Steel Company B.S.C (USCO), SULB Company B.S.C and United SULB Company L.L.C.

[1] IQ, https://iq.com.qa/

Milestones & Recognition

1981
- Qatar Steel achieved a total production of one million metric tons from its DR, EAF, CC, and RM plants.

1991
- Obtained the Japanese Industrial Standards (JIS) Certificate.

1995
- Received ISO 9000 certification for its Quality Management System, which was later updated to ISO 9001 in 2004 and renewed in 2012.

1997
- Becomes fully owned by the Government of Qatar.

1999
- Obtained the ISO 14001 certification for its Environmental Management System.

2003
- Becomes fully owned by Industries Qatar (IQ).
- Obtained Saudi Arabian Standards Organisation (SASO) Certification.

2006
- Receives UK CARES for Quality Management System and Product Conformity in Steel for Reinforcement of Concrete Certificate (BS 4449:1997 Grade 460B) for sizes varying from 10.0mm~40.0mm.

2008
- Obtained Dubai Central Laboratory (DCL) Product Conformity in Steel for Reinforcement of Concrete Certificate (ASTM A615 Grade 60 and BS 4449:1997 Grade 460B) for sizes varying from 10.0mm~40.0mm.

2009
- Received UK CARES Product Conformity in Steel for Reinforcement of Concrete Certificate (BS 4449:2005 Grade B500B) for sizes varying from 10.0mm~40.0mm.

2010
- Obtained Dubai Central Laboratory (DCL) Product Conformity in Steel for Reinforcement of Concrete Certificate (BS 4449:2005 Grade B500B) for sizes varying from 10.0mm~40.0mm.

2011
- Received UK CARES Sustainable Reinforcing Steel Certification.

2012
- Sustainable Reinforcing Steel recertification-UK CARES
- First Sustainability Report, 2009–2011 operational, environmental, social, and economic performance.
- First steel company in the region to be inducted into Palladium's Hall of Fame for Strategy and Execution.

2013
- Received Qatar Petroleum's Award for Excellence in Sustainability Reporting for 2011.
- Receives UK CARES Sustainable Reinforcing Steel Re-certification.
- Releases its second Sustainability Report 2012.

2014
- Received Waste Management Award (Category:Innovation) in Qatar Energy and Industry Sector, 2013.
- EAF5, comes online in January, with a total capacity of 1.04 million tons per annum.
- QS Laboratory obtains ISO/IEC 17025:2005 accreditation from Dubai Accreditation Centre.

2016
- Becomes the 1st integrated steel plant in the region to achieved the ISO 27001: 2013 certification in February for Information Security Management Systems in recognition for its standardized and best practices implementation of state-of-the-art IT infrastructure management and Information Security management.

2017
- Technical seminar on optimization of steel slag in constructions and road asphalting to explore options to reuse industrial wastes.
- 95,000 tons of waste EAF dust dispatched to a neighboring cement company for cement clinker production as a sustainable solution.
- Received product conformity certificate from UK CARES for its newly developed QS 600 high strength rebar.

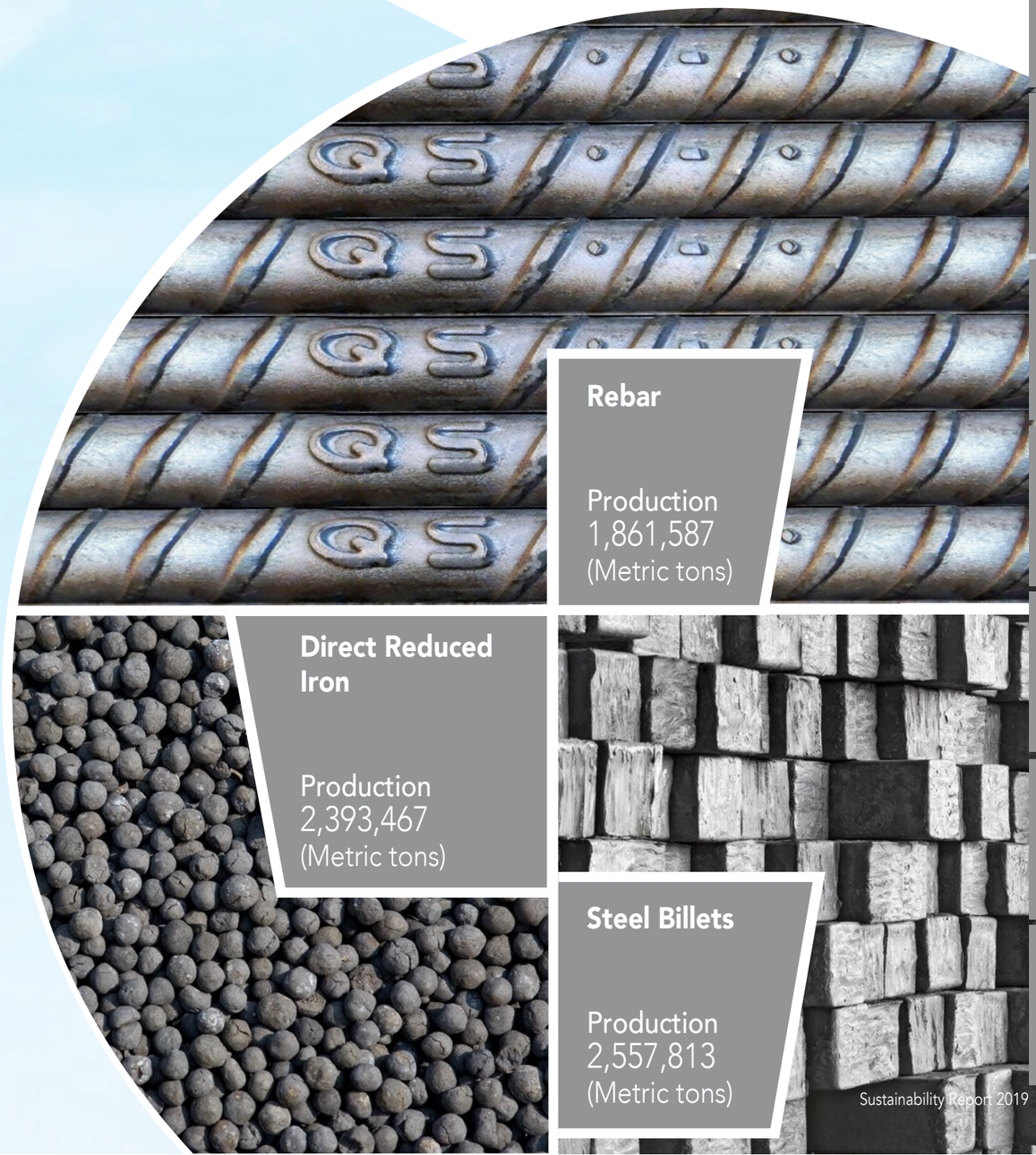
2018
- Participated in WSA CO_2 emissions data collection program.
- Developed new rebar conforming to ASTM A706 Grade 60, through QST.
- process for seismic zone applications with high TS/YS ratio (>1.25), certified by UKCARES.
- Upgraded the Environment Management System to the 2015 version of ISO 14001 and is fully compliant with including the Ministry of Municipalities and Environment.
- Upgraded the OHS management system OHSAS 18001-2007 to ISO 45001-2018.

2019
- Successfully completed UKCARES certification for sustainability and responsible sourcing and received a rating of "VERY GOOD".
- Received "Safety and Health Excellence Recognition 2019" from World Steel Association for company's performance to ongoing commitment to health and safety.
- Achieved zero environmental & regulatory non-conformances.

Products and Value Chain

Qatar Steel's state-of-the-art production technology ensures the delivery of quality products that are recyclable while minimizing carbon emissions. Our three main product categories are Cold Direct Reduced Iron (DRI), Steel Billets, and Reinforcing steel construction bars (Rebars). Rebar is the top sales product, providing approximately two-thirds of Qatar Steel's gross sales, and it is offered to customers based on different international grades.

Product Mix 2019



Rebar

Production
1,861,587
(Metric tons)

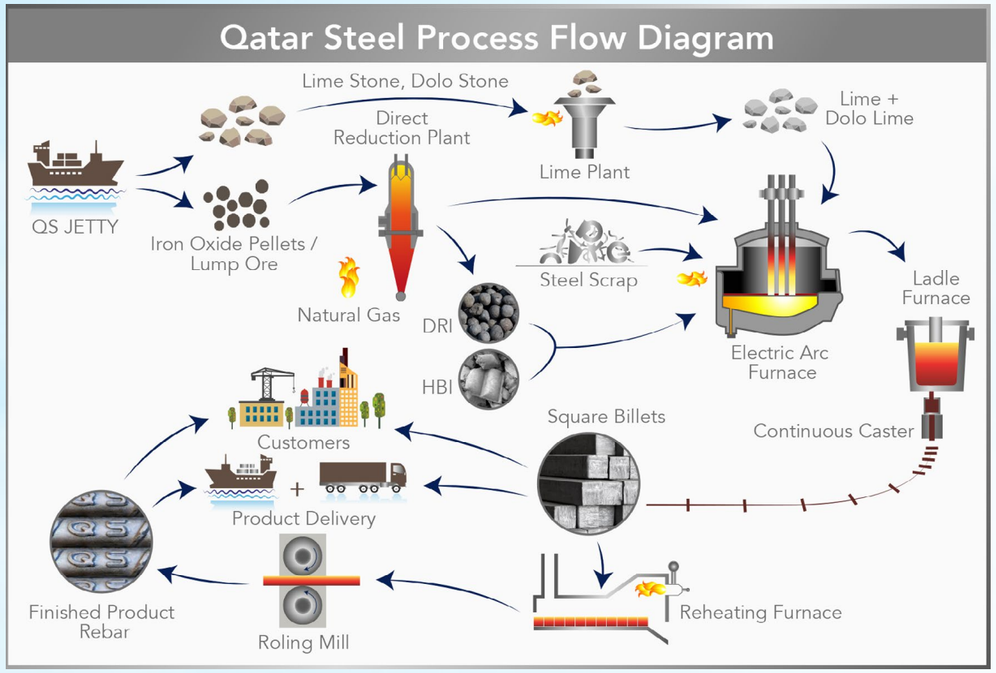
Direct Reduced Iron

Production
2,393,467
(Metric tons)

Steel Billets

Production
2,557,813
(Metric tons)

Plant Operations



Qatar Steel uses the MIDREX® Direct Reduction Plants to produce DRI, which is among the industry's most productive and reliable direct reduction plants. To date, Qatar Steel has produced more than 44 million tons of DRI using these plants. The DRI iron produced from the direct reduction plants is used to produce steel. Qatar Steel was presented an award by Midrex at the conference, honoring the record-setting performance of more than 5,000 hours of continuous operation in 2019 by the DR2 module. A celebration was also held to recognize the plant personnel who worked to achieve this record.

In addition to the two direct reduced units (DR1 and DR2) for iron making, Qatar Steel operates three steelmaking electric arc furnaces (EAF3, EAF4 and EAF5) and two rolling mill facilities (RM1 and RM2). The company also operates two auxiliary units of lime kiln (Kiln1 & Kiln2), which produce quick lime and Dololime.

Vision, Mission, Purpose and Values

Our Vision

To be a leader in the Steel Industry, admired for our products and contributing to shaping the future.

Our Mission

To be the region's Steel Industry leader, by developing our talent, fostering our high performing culture, striving for operational excellence, and safeguarding Health, Safety & Environment. We contribute to BUILD the future of Qatar, in line with Qatar National Vision 2030.

Strategy

Commitment To Qatar Vision I Operational Excellence I Integrated Business Portfolio I Market Driver I High Performing Organization.

Values

Caring I Respect I Excellence I Integrity I Teamwork
Values Shape Our Behavior and Decision Making.

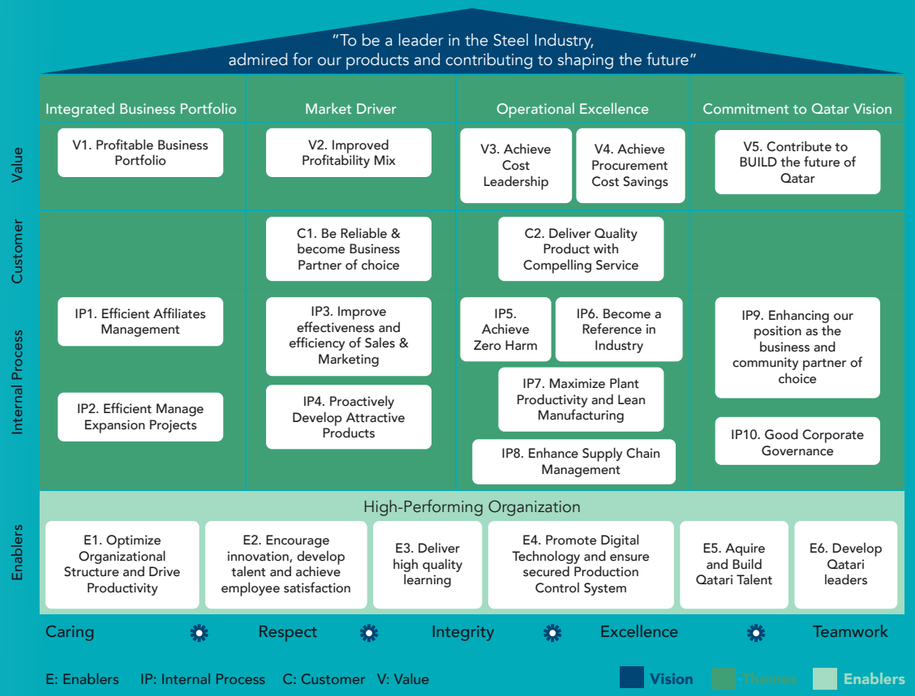
Sustainability Management Approach

Qatar Steel's sustainability management approach is the foundation of sustainability within the company. The approach is based on the integration of the company's material topics, Sustainability Framework, Strategy Map and Sustainability Roadmap 2020, and our new Strategy Map 2025. These tools work together to enable Qatar Steel to measure its progress and continuously improve upon its sustainability efforts in line with stakeholders' opinions and the Qatar National Vision 2030.

Strategy Map

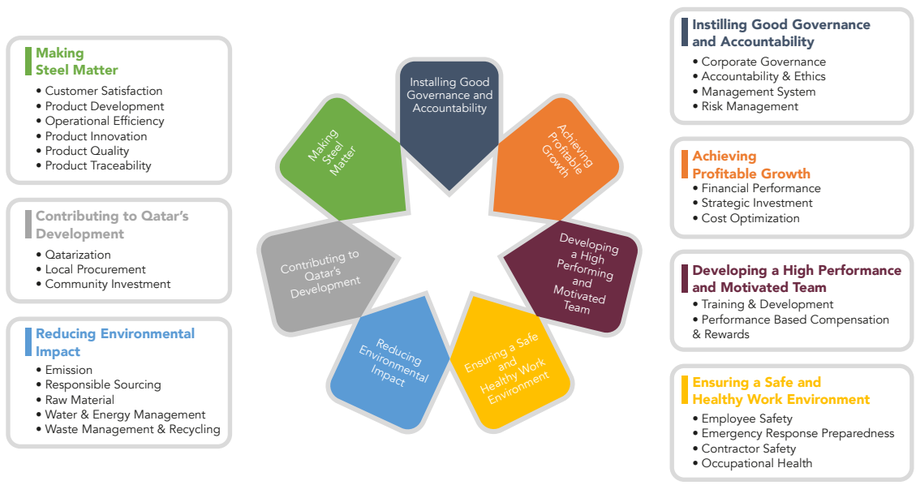
Qatar Steel's Strategy Map is an integral to the continued success of our business. Greatly influenced by its sustainability management approach, Qatar Steel's Strategy Map provides a holistic approach to business management, as it consists of key priorities, identified through consultation with internal and external stakeholders. These priorities are further dissected into key performance indicators, which are in turn monitored and measured in balanced scorecards and regularly reviewed at all levels of our organization from the employee to the corporate level. Qatar Steel's strategy map has been updated in the year 2019 to meet the corporate objectives in line with the company's long-term aspirations. The finalization of this map was concluded through a Strategy Workshop in October 2019.

Qatar Steel Strategy Map 2020-2025



Sustainability Framework

Qatar Steel's Sustainability Framework is based upon seven pillars, which we envision have the greatest impact on our company and stakeholders. The pillars of this framework provide the foundation for this sustainability report. Each of the seven pillars has pertinent material issues, which are further discussed throughout this report. Qatar Steel Sustainability Policy was amended in November 2018 by prioritising HSE along with other pillars of the Sustainability Framework.



[102 - 44]

Stakeholder Map

Based on Qatar Steel's understanding of the importance of stakeholder engagement, the company developed its stakeholder map identifying key stakeholder groups, their priority issues, how the company engages with them, and why they are important.

IQ / QP	Investment	Suppliers	People	Traders / Customers / End-customer influence bodies	Regulatory Bodies / Steel Association
• Contributing to Qatar's national growth and development policy • Profitable growth (from current operations) • Excellent management of the investment portfolio • Benchmarking and strive to 1st Quartile in Capacity, Reliability, Cost and high Capex efficiency	• Bring QS value in practices, methodologies, technology, etc. • Capitalize on growth opportunities • Compliment in production processes and materials • Reference to a leading steel manufacturer	• Long term contracts to ensure sustainable demand • On time payments of invoices • Clear two-way communication to meet delivery service level agreement of resources / material	• Attractive job (content, security, professional growth) • Reward & recognition; competitive compensation • Healthy, safe & exciting working environment • Employee engagement: Challenging Job with accountability	• Meeting the local demand for steel products • Meeting the product specifications • Sustainable on time delivery and availability • Reliable and efficient customer service	• Timely adherence to standards and norms • Guiding Ministry of Commerce on steel trades, competition • Participating in initiatives from Ministry of Energy, Supporting SMEs • Active participation at WSA programs and act as local representative in Qatar; hosting conferences
• One to One Meetings, Visits & Workshops • AGM • Board Meetings • Business Visit • Joint Programs & Partnerships	• AGM • Board Meetings • Visits	• Business Visit • Conferences & Seminars • Emails / Virtual meeting platform	• Intranet • One to One Meetings & Annual Gathering • Training Programmes • Code of Ethics & Business Conduct	• One to One Meetings	• Joint Programs & Partnerships • One to One Meetings • Conferences & Seminars • Audit Reports • Press Releases • Interviews • Sponsorships
• Industry –Academic Collaboration • Build Confidence with Local Communities • Recycling of By-Products • Financial & Economic Growth	• Financial & Economic Growth	• Quality of Goods & Services as per Contracts	• Perform Quality and Productive Leadership • Most Important Assets to run the business	• Innovative Partnerships for Sustainable Growth • Profitable Business Growth	• To Provide Fair and Clear Competitive Trading Conditions • Strongly shape reputation and promote awareness of product & operations
• Business Opportunities • Product Innovation • Revenue • Provide Support for Social & Local Community Development	• Investors Return • Sustainable Growth	• Business Opportunities • Swift Payment	• Providing Safe & Secure Experience	• Meeting local,regional and international market demands • Provide Quality Products	• Product Innovation • Economic Growth • Improving brand image
Stakeholders	Stakeholders Expectations	Ways of Engaging with our Stakeholders	Why our Stakeholders Important to us?		Why are we Important to our stakeholders?

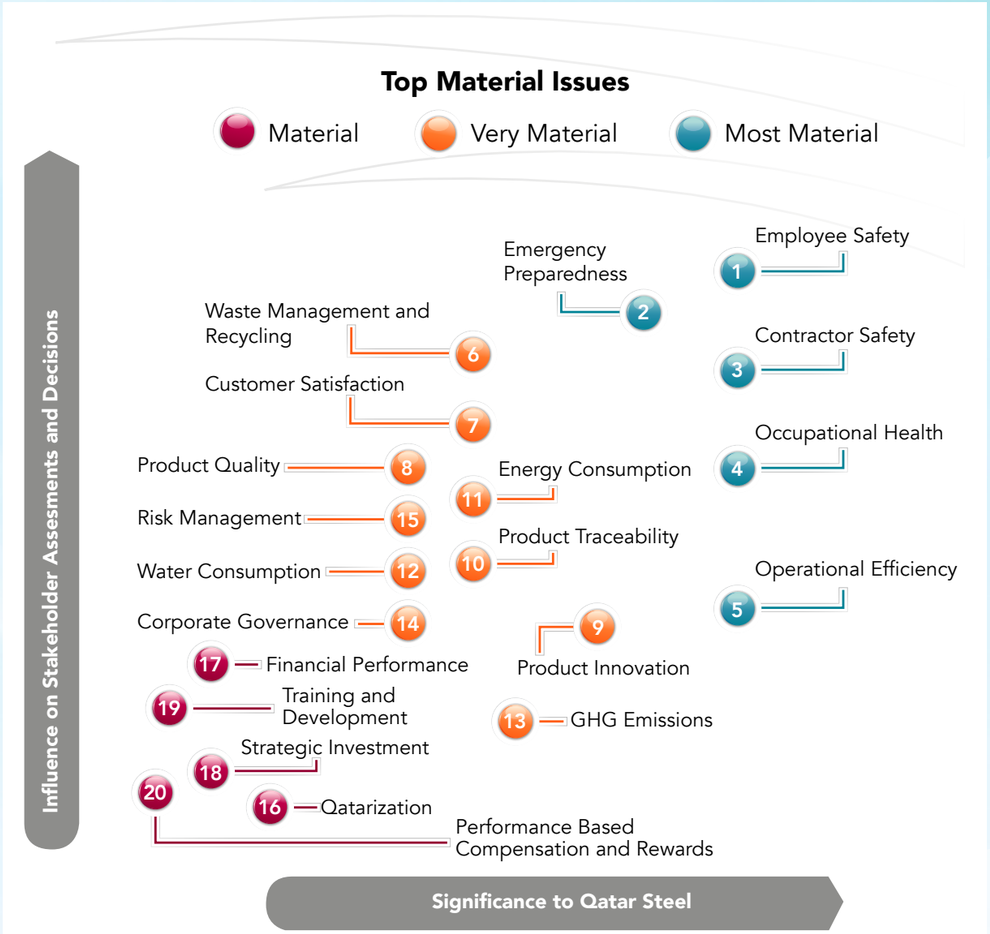
[102 - 40], [102 - 42], [102 - 43]

Material Issues

Qatar Steel's materiality assessment provides insights into the expectations and needs of its stakeholders. It enables us to identify and prioritise the most material sustainability issues through an exclusive and extensive stakeholder engagement process. As part of its sustainability management, Qatar Steel revises its material issues biennially, reviewing the changing industry context, emerging trends, and stakeholder feedback. The next materiality review and update will be done in 2020.

The assessment follows these five steps:

1. Identify material issues through a biennial stakeholder engagement process.
2. Organize materiality issues around Qatar Steel's sustainability focus areas.
3. Categorize materiality issues in accordance with the relevance for a given stakeholder.
4. Obtain feedback from internal stakeholders regarding priority of material issues relevant to them and to external stakeholders whom they communicate with on a regular basis. Qatar Steel communicates with its stakeholders via interviews with all key functional areas of its operations.
5. Final prioritization of material issues ranked in accordance with stakeholder feedback received.



Sustainability Road Map

Since the implementation of our five-year Sustainability Roadmap 2016-2020, an important milestone in Qatar Steel's sustainability journey, that outlines our performance targets to be achieved during these five years, we continue to build upon the progress achieved in the past years, across six thematic objectives that sets a clear path to improve the sustainability of the company. Qatar Steel's new Sustainability framework along with the updated roadmap are going to be developed further by the end of 2020 in line with the corporate objectives with "Building the Future " as the core and through benchmarking with respect to other steelmaking industries and their performances.

Six thematic objectives:

- Sustainable steel supplier of choice in the region
- Breakthrough low carbon footprint steel industry
- World-class energy consumption rates for the steel industry
- Leader in recycling and reusing among companies in the Qatar's energy and industry sector
- Zero-harm culture and performance
- Leading water management practices for Qatar and the steel industry internationally

The Roadmap is built upon Qatar Steel's Sustainability Framework.

							UN SDGs
Making Steel Matter	✓	✓	✓	✓		✓	SDG 7, SDG 8, SDG 9, SDG 12
Achieving Profitable Growth	✓	✓	✓	✓	✓	✓	SDG 8, SDG 9, SDG 10, SDG 11
Contributing to Qatar's Development	✓				✓	✓	SDG 8, SDG 10, SDG 11
Reducing Environmental Impact	✓	✓	✓	✓		✓	SDG 6, SDG 7, SDG 13
Ensuring Safe and Healthy Work Environment					✓		SDG 3, SDG 8,
Developing a High-Performing & Motivated Team					✓		SDG 4, SDG 5, SDG 8, SDG 10
Instilling Good Governance and Accountability	Overall Framework						SDG 8, SDG 16

Sustainability Roadmap Objective	Progress in 2019
Sustainable steel supplier of choice in the region	• Qatar Steel has successfully developed rebar conforming to Singaporean Standard SS 560:2016 Grade B600B to cater the Singaporean market and this new product was certified by UK CARES. • Under the new product development initiative, we have also successfully developed another new grade of rebar conforming to Australia/New Zealand standard AS/NZ 4671:2001 Grade D500N to fulfil the requirement of Australian construction industries and this new product was certified by ACRS (Australasian Certification Authority for Reinforcing and Structural Steel Ltd). • Qatar Steel added one more product to its portfolio by producing rebar conforming to Malaysian Standard SIRIM and the product was successfully certified by SIRIM QAS International Sdn.Bhd. • Qatar Steel holds BRE BES 6001 Issue 3.1 responsible sourcing certification from UK CARES since 2016.The BRE standard BES 6001 has been published for construction product manufacturers to ensure and then prove that their products have been made with materials that have been responsibly sourced. The standard includes a framework for various aspects such as the organizational governance, supply chain management and environmental and social aspects that must be addressed in order to ensure the responsible sourcing of construction products. In 2019, Qatar Steel has added a new feather in its cap by achieving performance rating of "VERY GOOD" under this certification scheme from UK CARES.
Breakthrough low carbon footprint steel industry	• The company's GHG emissions intensity has stayed relatively flat at 1.3 CO_2e/metric tonne of molten steel, despite slight increases in production. • Trial of recycling MgO-C bricks was conducted successfully at EAF. By-Product EAF dust is sent to M/s Al-Khalij Cement on continuous basis. From July 2015 to December 2019, around 431,891Tons of EAF dust has been dispatched. • To monitor and control the probable loss of natural gas and to identify the source of massive fire incidents, Qatar Steel's gas leak detection station were identified 22 leaks across 11 locations as part of a quantitative risk assessment. • In the year 2019, Survey of Pipelines by third-party was initiated by utility section to monitor the gas leakages within Qatar Steel plant. The final maintenance survey report (Methane emissions & LDAR) will be received from an inspection company and final report will help in assessing the reduction in emissions due to repairs that might resulted from possible pipeline leakages.

Sustainability Roadmap Objective	Progress in 2019
World-class energy consumption rates for the steel industry	• As a major project of electric power factor improvement 6 units of capacitor banks (each is 5 MVAR) for electrical power factor correction were installed at DR1, DR2, RM1, RM2, main substation and EAF5. This project improved the electrical power factor from 0.85 to 0.99. • Opportunities for renewable energy projects such as installing a solar power plant to have redundancy in electricity supplies and to reduce the natural gas consumption in the electricity power generation plants and under collaborative feasibility study. Consequently, this collaboration would minimize the quantity of natural gas consumption, electrical power and GHG emission.
Leader in recycling and reusing among companies in the Qatar's energy and industry sector	• Under Recycling and Sustainability initiative, in 2019, Qatar Steel successfully recycled around 100,000 Tons of by-product briquettes produced by cold briquetting technology and also consumed around 5,000 Tons of carbon material from neighbouring companies in steel making as a raw material in line with QNV 2030 Environmental Development Pillar and to reduce the carbon foot print.
Zero-harm culture and performance	• In June 2019, QS hired an HSE trainer to review training program provided to QS Employees. • In April 2019, in cooperation with the strategy department QS started in identifying key appraisal indicators that are linked into safety transformation program. This has been suggested to HC with KPI's that needs to be incorporated into the appraisal system. • Safety observation program has been implemented throughout all departments and observation and closeouts thereof are being tracked through the ERP system – Attendance of Manager safety walks have also been linked to KPI's.
Leading water management practices for Qatar and the steel industry internationally	• Project awarding is ready, subject to result of QP-MIC wastewater discharge impact study. • The Near Zero Liquid Discharge (NZLD) Project was awarded to one contractor and started its execution in coordination with our Engineering Section. An Impact study was started in Qatar Petroleum Mesaieed Industrial City (QP-MIC). • Savings of Qatar Steel for reusing wastewater instead of purchasing freshwater from local utility amounts to more than QAR 1 million. • Use of wastewater for slag quenching was 21% in 2019. • Increase of using wastewater for garden irrigation by 237% (In 2019, a quantity of 38,300 m^3 of processed wastewater has been used in irrigation applications inside the company's plant in comparison to a quantity of 10,300 m^3 used in the year 2018).

SNo	Objective	Baseline / Target	UOM	2016	2017	2018	2019
1	Sustainable Steel Supplier of Choice in the Region	10 New Products to be developed by end of 2020 including high Strength Rebar, Wire Rods and others	Number	3	2	1	2
2	Breakthrough Low Carbon Footprint for the Steel Industry	1.51 tons of CO_2 per ton of Molten Steel produced	Tons of CO_2/Ton of Steel	1.34	1.31	1.33	1.30
3	World Class Energy Consumption Rates for the Steel Industry	14.9 GJ/tons of Molten Steel Production	GJ/Tons	15.57	14.92	15.27	14.68
4	Leader in Recycling and Reusing Among Companies in the Qatar Energy and Industry Sector	Q-Companies By-Products Recycled (10,000 T)	Ton	145	13,067	9,589	4,648
		% of Scrap used as Input Material (10.9 %)	%	14.93	15.09	16.20	17.13
		QS-By-Products Recycled/ Sold for further processing (48 %)	%	-	83	59	69
5	Zero Harm Culture and Performance	Zero LTIFR (QS Employees)	Number	0.51	1.07	0.53	1.06
		Zero LTIFR (Contract Employees)	Number	1.96	1.14	0.48	0.18
6	Leading Water Management Practice for Qatar and the Steel Industry Internationally	Near zero m^3 processed wastewater discharged to sea	m^3	767,678	708,174	622,320	716,311
		88% recycling rate of processed water	%	16.50	31.69	35.90	21.00
		0.66 water intensity (m^3 freshwater / tons of molten steel consumed)	m^3/Tons	0.59	0.61	0.57	0.60

Making Steel Matter

Making Steel Matter is all about the product – the quality and traceability, innovation, operational efficiency, and customer satisfaction, ultimately helping Qatar Steel to become the sustainable steel supplier of choice in the region. As the demand for sustainability in construction materials increases, Qatar Steel is committed to set new trends in the field of sustainable construction and ecological innovation. In recognition of this need, Qatar Steel aims to develop products that provide its customers with eco-efficiency gains along with increased profitability. Our consideration of ecological progressiveness and business development drives us forward to our overall goal of increased production sustainability. This adds value in several ways: it strengthens our business potential for market access and sales, it bolsters our contributions to the Qatari economy, and it provides our construction clients with more environmentally friendly and profitable solutions.

Qatar Steel had an annual production of 2.55 MMT (million metric tonnes) of semi-finished product (billets), 2.39 MMT of direct reduced iron (DRI) and 1.83 MMT of finished product (rebar) in 2019.

Production	2016	2017	2018	2019
Qatar Steel (in metric tons, MT)				
Direct Reduced Iron (DRI)	2,478,481	2,547,916	2,464,915	2,393,466
Hot Briquetted Iron (HBI)	27,457	0	0	0
Molten Steel	2,544,157	2,668,763	2,598,764	2,580,956
Steel Billets	2,520,751	2,644,991	2,574,938	2,557,813
Reinforcement Steel Bars (rebar)	1,893,052	1,745,143	1,846,371	1,861,587
By-Products*	219,139	285,286	340,634	255,203
Qatar Steel FZE (in metric tons, MT)				
Reinforcement Steel Bars (rebar)	379,365	298,701	302,044	308,705
Wire Rod and Rebar in Coils	186,372	120,186	105,107	139,452

* includes Oxide Fines, DR Fines, DR Dust, DR Slurry, Classifier Dust, Alloy Dust, EAF Dust, Limestone Fines, Dolostone Fines

Product Innovation and Operational Efficiency

Alongside operational efficiency and excellence, product innovation is an integral element to Qatar Steel's continued economic success and pursuit of sustainable steel. The company seeks to develop value-added products, working alongside customers to meet their needs and anticipate future trends. These efforts are outlined in Qatar Steel's Sustainability Roadmap, and centre on four key objectives and partially linked with each other.

Material Issues

Qatar Steel has a long history of successfully developing cutting-edge solutions and diversifying its portfolio over time. The Quality Assurance Department is working across all levels of operations to push for product innovation, mainly focusing its efforts on the development, different grades of rebar, wire rod and billets conforming to international specifications for gulf and export market based on customer's requirement.

In 2019,

- Qatar Steel has successfully developed rebar conforming to Singaporean Standard SS 560:2016 Grade B600B to cater the Singaporean market and this new product was certified by UK CARES.
- Under the new product development initiative, we have also successfully developed another new grade of rebar conforming to Australia/New Zealand standard AS/NZ 4671:2001 Grade D500N to fulfil the requirement of Australian construction industries and this new product was certified by ACRS (Australasian Certification Authority for Reinforcing and Structural Steel Ltd).
- Qatar Steel added one more product to its portfolio by producing rebar conforming to Malaysian Standard SIRIM and the product was successfully certified by SIRIM QAS International Sdn.Bhd.

Process Improvement

- In the year 2019, various improvement activities were carried out in DR-1 Module were carried out and a preparation for a major shutdown of it has been completed. The following operational improvements include:
  - Furnace new dump chutes installation – New Chute was installed to dump the removed refractory from furnace.
  - Furnace top hatch floor new platform for refractory work safety- to reduce space constraints during refractory handling, additional platform was provided at bustle area and furnace top hatch area.
  - Top gas scrubber area platform was extended to facilitate easy man access.
  - Reformer bottom area one platform was erected to provide space for scaffolding materials storing during DR-1 Major Repair.
- As a major project of electric power factor improvement, 6 units of capacitor banks (each is 5 MVAR) for electrical power factor correction were installed at DR1, DR2, RM1, RM2, main substation and EAF5. This project improved the electrical power factor from 0.85 to 0.99.
- Opportunities for renewable energy projects such as installing a solar power plant to have redundancy in electricity supplies and to reduce the natural gas consumption in the electricity power generation plants and is under study. Consequently, this collaboration would minimize the quantity of natural gas consumption, electrical power and GHG emission.

Product Quality and Traceability

Qatar Steel strives to provide its customers with the best steel products that meet and exceed international standards. Qatar Steel has ISO/IEC 17025:2005 Accredited Quality Control Laboratories equipped with modern computerized testing and analytical instruments to ensure only high-quality products are delivered to the customer. The use of stringent quality-control system qualifies Qatar Steel for several international management systems such as ISO 9001, ISO 14001, ISO 45001, BRE BES 6001 and product certifications like CARES product certifications for rebar conforming to different international standards such as BS 4449:2005 Grade B500C, BS 4449:2005 Grade B500B, ISO 6935-2:2015 Grade B500B-R, ASTM A706 Grade 60, SS 560:2016 Grade B500B,B600B, CS2:2012 Grade 500B conforming Hong Kong Standard and Nuclear Grade Applications certified.

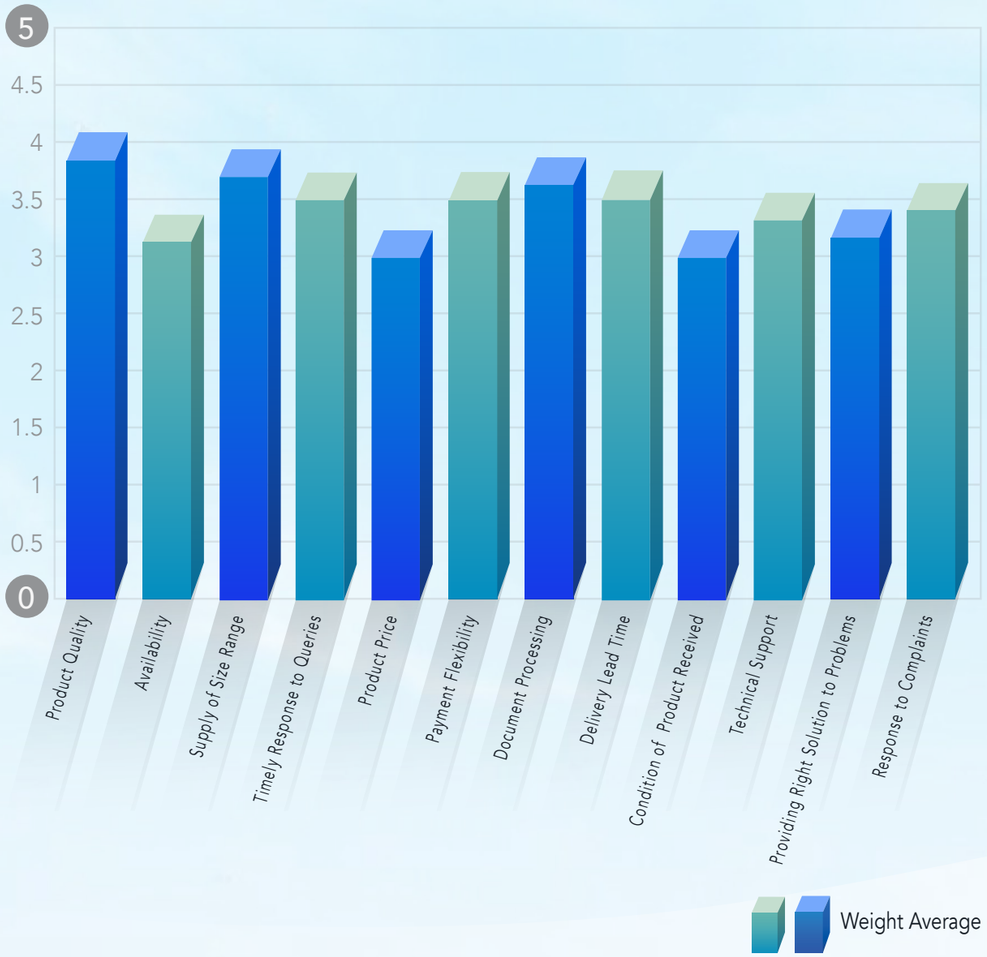
Traceability is an important concern for customers to track all the components of product origin. Allocating a charge number to each billet and rebar along with a test certificate supplied with products enables customers to track the history of the production.

The charge number is allocated to each lot of molten steel at EAF production stage which is further tracked downward till the final finished product i.e. rebar. The charge number consists of a serial number beginning with C, D or E followed by a five-digit number and subsequently used as a batch number for billets and rebars. The serial number falls within a range from 00001 to 09999 along with prefix for the year of production. This allows for complete traceability of material along with its production history. Further information about the sourcing of raw materials and life cycle of products can be found in the Responsible Sourcing and Material Consumption chapter.

Customer Satisfaction

Qatar Steel strives to produce and deliver products of the highest quality standards within Qatar and around the world to ensure customer satisfaction. With this ultimate objective in mind, Qatar Steel has assigned a dedicated Customer Relationship Management (CRM) team within the Sales & Marketing Department. The CRM team is responsible to provide able support for customers by facilitating efficient communication between customer and organization. CRM team will address issues of customers related to products and services. Qatar Steel regularly engages with customers through an Annual Customer Satisfaction Survey to collect their feedback and assess the overall level of their satisfaction. Customers are asked to rate Qatar Steel across different dimensions including product quality, and timely response to queries, among others. In 2019, Qatar Steel scored 3.4 out of a 5-point scale with its highest score of 3.75 in product quality.

Customer Satisfaction Survey 2019



Ensuring a Safe and Healthy Work Environment

Based on its Sustainability Roadmap 2020 - 2025, Qatar Steel is committed to zero harm to its employees and contractors and will build systems and culture of safety among its operations, backed up with performance monitoring to ensure this objective is achieved and maintained. Despite the technological advances in the industry, the steelmaking process still carries inherent risks. Nonetheless, Qatar Steel is deeply convinced that every area, process and type of work can and should be accident-free. Health and safety require persistence and 100% commitment from everyone at Qatar Steel, which is why the company embarked on a journey to enhance safety culture, and in line with the objective to effectively address key risks in day-to-day activities.

Following the successful phased AMAN Safety Transformation Program in a phased approach over the years 2016 – 2018, Qatar Steel's Health Safety and Environment (HSE) department has now moved forward with implementation of the learnings from the AMAN program. In January 2019, the Process Safety Management (PSM) committee was established to determine where Qatar Steel was in terms of compliance to a PSM system. A gap analysis was conducted in July 2019 by employees who had successfully completed NEBOSH PSM Certification and it was found that Qatar Steel was 70% compliant in terms of the 14 elements of US OSHA PSM (29 CFR 1910.119). Qatar Steel employed the services of a PSM Engineer to further enhance the level of compliance and to assist with the monitoring of the current system and implementation of additional requirements such as Management of Change and Process Hazard Analysis.

Members of the HSE team were invited by Qatar Petroleum to form part of a working group to assist with the implementation process of the system. A selected team of employees were identified to form part of a PSM work group established by the World Steel Organization. Qatar Steel PSM Committee members participated in the QP Industrial Cities PSM Conference where networking among PSM Professionals among various industries took place to establish continuous improvement processes for the PSM systems implemented.

Employee and Contractor Safety

The Safety Section's Organizational Structure continued to undergo major changes over the course of 2019, growing in size to ensure sufficient technical expertise to provide a professional advisory service to the operational staff and leadership.

QS employed an HSE trainer who worked closely with the Learning & Development Department to identify and close gaps in the HSE training matrix. This has allowed the company to provide more training sessions, have better control on the content of the training programs, make it more plant specific, as well as having an overall benefit on the cost reduction as many of the courses were delivered in-house.

During 2019, the work that was started as part of the Aman program continued with the reporting of unsafe acts and conditions to enhance the safety culture within QS, which involved all the employees working for QS. The information was used to establish trends and determine where we could improve. A Behavioural Based Safety officer were also appointed towards the end of 2019 with intention to focus on the information that is gathered and analyse the results and allow HSE to make recommendations on how to improve the culture and also to provide the appropriate training.

worldsteel ASSOCIATION

SAFETY AND HEALTH EXCELLENCE RECOGNITION 2019

"Nothing is more important than the safety and health of people who work in the steel industry"

QATAR STEEL

is recognised for excellence in its commitment and innovation in the pursuit of Zero – an injury-free, illness-free and healthy workplace

André Johannpeter
worldsteel Chairman

Edwin Basson
Director General

Andrew Purvis
Director, Safety, Health and Environment

New HSE committees, consisting of HSE and Operational representatives as members, were established to take charge of the following:

- Audits and Inspections
- Confined space and Working at Height
- Rewards and Recognition
- Permit to Work and Lock out Tag Out
- Process Safety Management

In terms of Safety performance for the year, Qatar Steel had an overall decrease in the number of incidents for company and contractor employees, but unfortunately the company's employee lost time injury frequency rate (LTIFR) rate increased to 1.06 in 2019, due to two incidents of a worker fall from height. In 2019, Qatar Steel succeeded in reducing the contractors LTIFR to 0.18 – a 38% decrease from 2018- and in reducing the number of minor injuries amongst employees by 64% to only 4 recorded cases in 2019. In addition, for the 2nd year in a row there were no work-related fatalities, neither for employees nor for contractors. Qatar Steel shows good progress in terms of the overall Safety performance with a continuous downward trend in recent years.

Safety Performance	2016	2017	2018	2019
Employees				
Work Related Fatalities	0	1	0	0
Lost Time Injury Frequency Rate (LTIFR)	0.51	1.07	0.53	1.06
Reportable Injuries	23	21	13	10
Reportable Cases (TRC)	6	6	2	4
Man-Hours Worked	3,943,960	3,743,864	3,752,057	3,769,208
Lost Time Injuries	2	4	2	4
Minor Injury Reported	21	17	11	4
Near Missed Reported *	811	451	154	81
First Aid Cases	7	7	4	4
Contractors				
Work-Related Fatalities	0	0	0	0
Lost Time Injury Frequency Rate (LTIFR)	1.96	1.14	0.48	0.18
Reportable Injuries	37	26	20	3
Reportable Injuries (TRC)	16	7	2	1
Man-Hours Worked	2,544,671	3,521,458	4,162,885	5,657,090
Lost Time Injuries	5	4	2	1
Minor Injury Reported	32	22	18	12
Near Missed Reported*	384	451	154	81
First Aid Cases	21	13	9	12

* Since 2017, we track Near Missed Reported for both contractors and employees using the same system.

Safety Governance

Qatar Steel has a robust safety governance structure that links top management to shop floor in a structured manner, with clear reporting lines and mechanisms. The purpose of the governance structure is to drive messages, concerns and progress from the bottom-up, and cascade decisions top-down while ensuring an effective process. The governance system is equipped with a set of leading and lagging KPIs and dashboards to measure and monitor safety performance in an effective, structured and sustainable manner to drive decision making.

The Safety department in Qatar steel has a total of 22 Safety Officers. Their roles focus on safety as a means to ensuring a safe and healthy workplace. A competency matrix has been developed for those roles against 28 key HSE skills, and competency gaps have been identified. To bridge the gap, in April 2019, in cooperation with the strategy department QS started in identifying key appraisal indicators that are linked into safety transformation program. This has been suggested to Human Capital with KPI's that needs to be incorporated into the appraisal system.

Safety Training

In June 2019, QS hired an HSE Trainer to review training program provided to QS Employees, Various safety training interventions were initiated ranging from Working at Heights, Confined Space Entry and Rescue, LOTO, HIRA and Crane Operation, among others.

Lock-Out and Tag-Out (LOTO)

Qatar Steel introduced a positive isolation system named Lock-Out and Tag-Out, which replaced the previous Red Flag system used. LOTO is designed to strengthen and safeguard maintenance jobs. Despite initial technical challenges, a decision was made by leadership to implement the system, placing employees' well-being and safety at the forefront.

Permit to Work

Qatar Steel upgraded its permit to work system to take it from a paperwork exercise to an Electronic PTW system ensuring that work is recorded and conducted in a safe, coordinated and consistent manner. This was done by making site risk assessment essential for the start of work as well as ensuring that both the issuing and executing agency are involved in site verification before and after the work is done. Moreover, execution supervision is always required in the new system to ensure work is executed in a safe manner and process steps are complied with.

Risk Assessment

Qatar Steel revamped the way that risks are assessed in the plants by shifting from a compliance-based process to a risk-based one with a clear process flow and roles & responsibilities. The revamped system is aimed at effectively and sustainably reducing the risk in the field beyond the documentation of hazards and risks. Qatar Steel trained relevant employees on the new risk assessment system and conducted coaching sessions with each production department to guide them through live examples of Hazard Identification & Risk Assessment (HIRA), Job Safety Analysis (JSA), and Man-Machine Interface (MMI) to ensure risks in the field are effectively mitigated.

Contractor Safety Management

Qatar Steel puts together a comprehensive system to manage contractors, not only during job delivery, but across the entire value chain from pre-selection to contract signature, training, execution and feedback. The system is equipped with a pre-qualification scoring mechanism that will evaluate contractors during the tendering stage.

Behavioural Observation Program

The program has been implemented throughout QS and forms part of KPI's for management employees. It is continuously monitored to identify trends and to improve employees' attitude towards HSE. It has formed a significant part in the reduction of incidents that has been taken place in QS by allowing QS to be pro-active rather than re-active.

Executive Safety Tours

In 2019, we implemented the safety observation program throughout all departments, tracking observation and closeouts through the ERP system. In addition, we linked the Attendance of Manager safety walks to KPI's

During 2019, 2714 spots were filled during the following courses:

- Certified Confined Space
- Certified Authorized Gas Tester
- Certified Lock Out Tag Out
- Certified Permit to Work
- Certified Work at Heights
- Emergency Planning & Response
- Handling of Chemicals & Hazardous Materials
- Heat Stress Management
- Incident & Accident Investigation
- Safety Awareness in Steel Plant
- Work at Heights

Emergency Response Preparedness

The Fire Section provides emergency services using a wide range of firefighting and fire prevention methods. The team takes proactive measures like providing regular training exercises and conducting mock / fire drills (Rescue / Evacuation drill and Emergency First aid), periodic inspection, testing, maintenance & operation of firefighting equipment, such as Extinguishers, Breathing Apparatus / road run of all fire vehicles /appliances monitoring for fault fire alarm & firefighting system. Surprise emergency preparedness drills and basic firefighting and building marshal courses were introduce to strengthen emergency services provided on site.

Additionally, Hazmat training as provided to all firefighters through Ras Laffan College to ensure they received the most up to date information and knowledge of hazardous materials. Portions of the training were also provided in Arabic, a first for the Fire team.

In 2019, emergency preparedness at Qatar Steel was enhanced through the procurement of a Rapid Intervention Vehicle (RIV) with specialized rescue gear and advanced firefighting features. There were upgrades made to the fire water network throughout the plant as well as to the fire alarm systems at the rolling mills, warehouses, jetty and the mail office.

Occupational Health

Qatar Steel's Occupational Health Centre (OHC) has three main domains: Primary Health Care, Occupational Health Services, and Emergency Medicine. The Centre aims to maintain and improve employees' health and well-being through pre-employment medical exams, periodic medical exams, and special exams for employees exposed to hazards. As part of the company's focus on preventative medicine, clinics also provided individual consultations for employees and conduct a variety of health awareness campaigns such as breast cancer awareness and diabetes check.

In 2019, the new Medical Center construction was completed and is ready and equipped to be commissioned after the MOPH Certificate for occupancy. This facility is now equipped with state of art emergency care equipment, which can cater to provide immediate care during medical emergencies. Within the Medical Center, a separate Pharmacy facility has been prepared for dispensing of prescription drugs, which will be functional after the MOPH final approval.

All Medical records have been digitalized through dedicated Electronic Medical Records (EMR) Software. This not only enables patients with limited access to view individual records, but also allows them to submit leave and work restriction documents online. Submission can be done remotely and physician approval status can be tracked.

A total of 7052 Qatar Steel Employees and 915 of contractor employees were consulted in primary and urgent care facilities at Qatar Steel Medical Services during 2019, consequently, minimizing man-hours away from work.

Health promotion

- For High Blood Pressure employees- Medical Services calling them periodically to check up their blood pressure & asked them to monitor it regularly at least once a month (Self-monitoring Health Card).
- For Office Employees- Medical Services distributing one leaflets for Computer Vision Syndrome & Its Preventive steps.
- Moreover: many Healthy initiatives were taken in the last year to increase awareness about employees' own health.
- Cardiac Healthy Food in canteen on the occasion of world heart day.
- Health Campaign for Thyroid.
- Ergonomic sessions for office employees, providing digital sphygmomanometer (Blood Pressure measuring devices) to those who have uncontrolled blood pressure.
- Providing digital Glucometer (Blood Sugar measuring devices) to those who having uncontrolled blood sugar level.
- S. Vitamin B12 & S. Vitamin D3 level checkup.
- Various health tips & awareness material circulated through email as well as through Medical Services Portal on monthly basis to all.
- One System Generated email regarding one's PME observation & recommendation.
- As a newer Initiative- on the occasion of World Heart Day 2019 campaign- Serum Homocysteine level (one of major risk factor for Heart Disease) for Specific group of employees.

Periodic Medical Examination (PME)

As a participant with Ministry of Public Health (MOPH), Qatar initiative to fight the seasonal flu, an In-house Flu vaccination camp was organized in collaboration with communicable Disease center (CDC) Qatar, to facilitate all Qatar Steel employees to be vaccinated against Influenza.

Achieved > than 100% of the targeted Periodic Medical Examination – Total 1743 employees were screened during the periodic medical examinations with an objective to examine all Qatar Steel employees during 2019. The target for PME was 918 in 2019, thereby exceeding the target by more than 89%.

World Breast Cancer Awareness Day and World Diabetes Day were celebrated within Qatar Steel, during which expert speakers were invited to address all employees and contractors working within Qatar Steel premises on topics of Brest Cancer and Diabetes.

First Aiders training was re-evaluated, Designated First Aiders are now trained in line with Qatar Steel First Aid procedure, Essential skills testing, updated subject material and internationally recognized certification.

Safety Performance	2016	2017	2018	2019
Employee Occupational Illness	2	16	1	0
Health Screening (completed vs planned) (%)	106	129	115	187


CERTIFICATE OF APPROVAL

CARES

Occupational Health and Safety Management System Certification

This is to certify that
Qatar Steel Company (QPSC)
at its establishment at
Mesaieed, Qatar
has been approved by the Authority to the following Management System standard using the processes and procedures registered with the Authority:
BS ISO 45001:2018
Scope of certification:
Production of direct reduced iron (DRI), hot briquetted iron (HBI), continuously cast steel billets and hot rolled steel bars

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please visit www.ukcares.com or contact us on +44 1732 450000.

CERTIFICATE NUMBER	FIRST APPROVAL	ISSUE DATE	EXPIRY DATE
1641	December 2018	07 December 2018	07 December 2021

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Lee Bradley
Chief Executive Officer

UKAS ACCREDITED CERTIFICATION 342

Spotlight: Qatar Steel Celebrates Occupational Health and Safety Day

Qatar Steel celebrated the Occupational Health and Safety Day as an occasion marking the Company's tradition of emphasizing its corporate social responsibility and its full awareness of the importance of maintaining health, safety and the environment (HSE).

Present during the ceremony were Qatar Steel Managing Director & General Manager Eng. Mohammed bin Nasser Al-Hajri, Division Managers, Departmental Managers and employees. The event included several awareness presentations by the Qatar Steel's Health, Safety & Environment Department.

On the occasion, Eng. Mohammed bin Nasser Al-Hajri, Qatar Steel Managing Director & General Manager, stated as a member of the World Steel Association, Qatar Steel pays paramount attention to this occasion with a view to emphasizing its commitment to ensure a safe accident-free work environment and foster efforts aimed at raising HSE standards in order to protect the lives of all Qatar Steel staff.

Al-Hajri stressed the high significance of the occupational health and safety's role in the society and its impact on the industry, human progress, the protection of people being the most important element of economy, property and the natural and the industrial resources.

"Qatar Steel has embarked on a journey to foster a safer working environment for its employees and contractors" said Eng. Mohammed Al-Hajri, "To this end, the Company has been applying the highest safety standards, which are known to be one of the best in steel industry in comparison with the like industry."

"A safety entrenched culture is crucial if we want to sustain our HSE performance for years to come. The common definition of culture is: Our commitment to follow and apply HSE procedures at all times and in all circumstances", he added.

In the conclusion of the event, Managing Director & General Manager honored several departments with excellent performance in maintaining the best HSE practices at workplace. He also thanked all Qatar Steel's staff for their sustained efforts to enhance the success and progress of the Company one year after another.

Contributing to Qatar's Development

Qatarization and Education Investment

In line with the Qatar National Vision 2030, Qatar Steel is committed to maintaining a solid and growing base of Qatari employees. While the Qatarization rate has levelled at about nine percent for the past several years, Qatar Steel aims to continue to meet and exceed this rate in the coming years.

Qatarization	2016	2017	2018	2019
Qatari Employees	187	182	165	157
Qatarization Rate (%)	10.3%	10.0%	9.1%	8.6%
Qatari Senior Management (New Hire)	2	0	1	0
Qatari New Hires	5	3	2	3

The company follows a threefold approach to attract and retain Qatari talent, following the employee life cycle:

1. Developing human capital programs targeted for Qataris,
2. Investing in enriching and engaging practices,
3. Focusing on education.

To attract new talent, Qatar Steel follows local industry best practices by offering incentives for Qatari nationals, such as competitive pay packages, highly specialized training, and on-going career development opportunities. Moreover, the company's excellent salary and benefits packages including group insurance, retirement benefits, tuition reimbursement, sick leave and paid vacation. The company also supports employee engagement and satisfaction and provides many development opportunities for existing employees. This includes funding educational training through scholarship and sponsorship programs, as well as alternative work arrangements for newly hired Qatari trainees. In 2019, a total group of 3 students joined Qatar Steel after successfully graduated from the scholarship program.

Investment in Education	2016	2017	2018	2019
Sponsorship/Scholarship Education Investment (QR)	3,601,780	2,522,070	971,714	968,993

educational institutions, such as the Career Fair at Qatar University and Al Wakrah Independent School. As part of Qatar Steel's learning and development initiative, the company regularly invites students to visit its premises, providing a detailed induction program to the students on various aspects of its daily operations and get first-hand insights engaging with staff.

Spotlight: Qatar Steel Participates in Qatar Career Fair 2019

Qatar Steel participated in the thirteenth edition of annual career fair at Qatar University, organized by the Centre for Professional Development at the University, held on February 18-21, 2019. It was inaugurated by H.E. Dr. Hassan bin Rashid Al Durham – President of Qatar University.

The participation in the Career Fair is intended to provide promising job opportunities for the pool of Qatari nationals, develop them and prepare them for leadership positions in the company. It also aims to encourage the national graduates and young professionals to join the iron and steel sector.

In line with Qatar National Vision 2030 that constitutes a beacon that guides economic, social, human and environmental development of the country in the coming decade, Qatar Steel is proactive to continuously invest in human capital and to guide the younger generation on their career path.

Mr. Mohammed Saleh Al Mahdi, Administration Division Manager, said: "Qatar Steel is one of the leading companies that pays great attention to develop stable and sustainable workplace culture and participates annually in Career Fair to get the talents."

"Qatar Steel is a large and constantly expanding company, which requires regular reinforcement of its staff and refinements in their capabilities, and young Qatari nationals to adapt to the new leadership role in various technical and administrative disciplines to ensure constant improvements."

"Qatar Steel offers a variety of training and development programs for employees and provides them with suitable opportunities to prepare them technically and individually.

Qatar Steel's participation in the Qatar Career Fair comes as part of its commitment to the Qatarization Plan, which is in line with QNV 2030's vision and is striving to develop its creative and talented workforce to work in different challenging positions and roles."

Spotlight: Qatar Steel Participates in 8th Annual Career Fair for Universities & Work Sectors at Al-Wakra Secondary School.

Qatar Steel participated in the 8th Annual Career Fair for Universities & Work Sectors, organized by Al-Wakra Secondary School under the auspices of HE Dr Mohammed Abdul Wahed Al Hammadi.

Minister of Education and Higher Education, to provide students and parents deep insight into the job market requirements and familiarize them with the prospective career and academic paths available.

The inauguration ceremony was attended by His Excellency Mr.Sultan Al-Khater – Undersecretary at Ministry of Economy and Commerce & Mr. Yousef Al-Abdullah – school principal, other faculties and a number of high ranking officials and dignitaries from Ministry of Education and Higher Education, as well as government organizations and diplomatic missions accredited to Qatar.

The event aimed at providing Qatari students an opportunity to interact face to face with the employers to enquire about the job market requirements and get abreast of the academic and career options available.

Over 50 local and multinational organizations and institutions took part in the fair, including industrial companies in Qatar, educational institutions, and various working sectors. The fair was visited by a great number of students from local school and universities as well.

Qatar Steel officials welcomed the students at its booth and briefed them about job opportunities and internship programs available. Officials also answered their queries on career prospects in Qatar Steel.

Through its participation in this annual career fair, Qatar Steel is hopeful to attract talented and high performing students and recruit them in the company's different departments in the future.

Spotlight: QU Engineering Student's Visit to Qatar Steel

There is no better way to learn than on-the-job. As part of their internship program, Qatar University's Engineering students - mentored by teaching faculties - visited Qatar Steel to get an in-depth knowledge on steel making process and HSE standards being followed at plant site. The briefing was made by L & D Department to the students on the technological up-gradations being executed in various parts of the plant and the importance of developing quality, reliable, sustainable and resilient infrastructure, to support economic development and human well-being of the society.

This visit is expected to add value to their understanding and will provide deep insight into the real working environment of the industry. Qatar University's faculty members thanked Qatar Steel Management for providing such an illustrative knowledge sharing training and expressed to have many such training in future.

Spotlight: Open Day – Qatarization Drive

Qatar steel organized open day for Qataris in Sheraton Grand hotel to provide information on employment and training opportunities for university graduates in order to enhance their abilities, refine talents and make them able to deal with the challenges of national development. Through this recruitment drive, Qatar steel has introduced many career opportunities and took direct interviews of the attendees. The open career day attracted a lot of promising Qatari youths.

Mr. Mohammed bin Saleh Al Mahdi, Division Manager – administration stated that Qatar Steel is one of the leading companies in the iron and steel industry and is constantly expanding and developing, aiming at hiring qualified Qatari nationals for different positions.

Qatar Steel OPEN DAY is part of its commitment to implement the Qatarization Plan in line with QNV 2030's. He added that Open Day is an opportunity for us to meet the nationals face to face, discuss with them the future plans and attract the ambitious and distinguished Qatari youths showing sincere commitment towards the jobs available in the company and assume the roles.

Mr. Issa Bin Hassan Al Hajri, Manager – Human Capital, said that Qatar Steel gives priority and importance to its human resources and strives to attract Qatari nationals with technical and administrative qualifications and assume all necessary steps to prepare and develop them.
Al Hajri added that jobs available at Qatar Steel for high school graduates and universities has various advantages and incentives.

He pointed out that the applications received on Qatar Steel's open career day will be reviewed and evaluated according to their qualifications and specialties, before arriving at a final conclusion to recruit them in suitable positions and adopt them for a suitable role.

Community Investment

Qatar Steel is committed to support the local community through a number of initiatives that are intentionally designed to empower the sustainable development of a flourishing society. The company recognizes that there are a number of challenges the local society faces, and accordingly attempts to implement varied initiatives to support a further reach of individuals. When investing in the community, Qatar Steel employs a focused approach, directly investing in organizations which will have the greatest impact on the local community. Qatar Steel is particularly interested in partnering with non-profit and charitable organizations that empower people with the skills, tools and information to improve their standards of living.

Corporate Social Responsibility (CSR) is embedded in our values and apprises us how we conduct business, to achieve our goals and commitments.

We strive to achieve excellence through our operations done in a social and ethically responsible manner. The spirit of our ongoing efforts to manage our business as a conscientious member of our community and to improve our performance in this regard. This is reflected in the high standards we have set for ourselves.

In 2019, we have contributed to our community through various activities:

- Provided financial assistance to The Qatar Society for Rehabilitation of Special Needs to facilitate in their medical project aiming to help medically deprived people requiring hearing aids, wheelchairs (manual and automated), power spectacles, medically compatible beds with special features, and prosthetics for amputees.
- Provided support to the Qatar Cancer Society (QSC), a non-profit organization working towards generating awareness on cancer and cancer prevention in Qatar.
- Distributed 100 of Garangao Bags to Dreama (Qatar Orphan Foundation) during the holy month of Ramadan.
- Held an awareness campaign on Diabetes Day.
- Held an awareness campaign for breast cancer among employees (Ladies in specific).
- Held a blood donation campaign along with Hamad Medical Corporation in Mesaieed and provided refreshments for blood donors.

Community Investments	2016	2017	2018	2019
Community Investments (QAR)	121,750	65,680	92,500	55,500

Spotlight: Qatar Steel Participates in Garangao Night Celebrations.

As part of its social responsibility and support for community activities, Qatar Steel Public Relations & Communications Department visited Dreama Center in Qatar to join the children in their Garangao night celebrations, coinciding in mid-Ramadan. This initiative celebrates the customs and traditions associated with the heritage of Qatar and the Company's aim is to bring joy and happiness to the hearts of children. The Garangao night is a popular traditional event cherished by children in Qatar. Dressed in brightly decorated clothes, children wander around the streets until late into the night singing the special Garangao song.

Qatar Steel takes part in the Garangao night celebrations being an event, which brings joy not only to children, but to adults as well. We seize this happy opportunity to extend congratulations to all local and expatriate families in Qatar, wishing them and their children happiness and joy. Happy Garangao to you all!

Spotlight: Qatar Steel Celebrates Qatar National Day

Under the motto of 'The path of excellence is arduous Qatar Steel participated in the celebration of Qatar National Day at Qatar National Convention Centre. Qatar Steel's Managing Director & CEO Eng. Mohammed bin Nasser Al-Hajri, the executive leadership team and a large number of the employees as well as their families were present in the celebration.

Speaking on this occasion, Managing Director & CEO Eng. Mohammed bin Nasser Al-Hajri commented that, "I take this opportunity to extend my sincerest congratulations to His Highness the Amir Sheikh Tamim bin Hamad Al-Thani, His Highness the Father Amir Sheikh Hamad bin Khalifa Al-Thani, His Highness the Deputy Amir Sheikh Abdullah bin Hamad Al-Thani, and distinguished people including the residents of Qatar."

He added, "Qatar National Day is an occasion to recall the vision and journey of the Founder of the State, the Late Sheikh Jassim bin Mohammed bin Thani", "his timeless efforts and achievement, the challenges he faced and his attention towards the youth of Qatar and encouraging them to maintain an elevated image of their country. It is also an occasion to recall the leaders who followed his steps in building Qatar as a modern state proud of its identity, values and firm principles in enhancing peace and harmony.

"As we celebrate Qatar National Day, we renew our determination to continue with achievements, make every effort to promote the elevated standing of our nation, support the comprehensive development path and achieve more development, growth and prosperity for the people and residents of Qatar". He added, "We are proud of achievements and successes, which have contributed in enhancing the standing of Qatar both regionally and internationally as a comprehensive and sustainable development model."

Qatar Steel' Managing Director & CEO Eng. Mohammed bin Nasser Al-Hajri stated that celebrating the Qatar National Day is an important occasion to renew loyalty, foster national values, preserve the principles of love, peace and goodness to the world. He emphasised the pride in belonging to the country under the leadership of His Highness the Amir Sheikh Tamim bin Hamad Al-Thani.

Spotlight: Qatar Steel Organizes Blood Donation Campaign

As part of its commitment to continue supporting community services and encouraging for philanthropic activities, Qatar Steel organized a blood donation campaign at Qatar Steel plant location (in Mesaieed Industrial City) in cooperation and coordination with the HMC Blood Transfusion Unit.

As part of Qatar Steel's Corporate Social Responsibility initiatives which include a wide range of health awareness programs and support to health organizations in the country, this annual campaign was organized to boast blood reserves in the country.

The employees from the various departments participated in this campaign and showed their responsiveness and awareness towards the importance of blood donation and its impact on society.

On this occasion, Mr. Mohammed Saleh Al-Mahdi, Administration Div. Manager, praised the campaign and level of participation by Qatar Steel employees and applauded the cooperation received from Hamad Medical Corporation and jointly fostering the humanitarian goals.

Al-Mahdi said that blood donation in the company comes from the culture that this activity seeks to save precious lives and eventually becomes a national duty that reflects in the concept of integrating the members of society for

a sustainable development. We believe that it is the duty of all governmental and private institutions and apex bodies to participate in and support in this type of community activities as part of corporate CSR. They should ignite the fire of patriotism and allegiance and disseminate the culture of returning values to the members of the society.

Qatar Steel has been organizing this event annually as an inspiring, rich and wonderful opportunity for their employees to show their support for the community and participating collectively. Such campaigns will contribute to instill and promote a culture of volunteerism by raising awareness in the importance of blood donation, and its role in saving the lives of patients and enhance the company's commitment to create a healthier life for the local community.

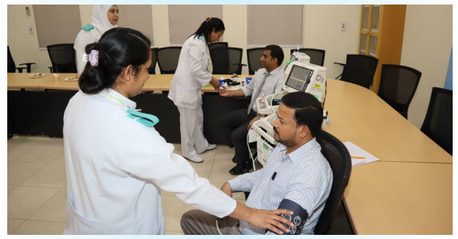
Spotlight: Breast Cancer Awareness Campaign

The month of October is internationally recognized as Breast Cancer Awareness Month, a worldwide annual campaign involving thousands of women to increase awareness of the disease.

As part of our social responsibility and in our effort to cultivate a healthy and sustainable society, we proactively campaigned in Qatar Steel in co-operation with Health, Safety and Environment Department and Qatar Steel Medical Clinic. It aimed at raising the awareness for the disease and help other women to become aware of it and take action to prevent it. Let's make this society free from the disease.

Spotlight: Qatar Steel Enhance Diabetes Awareness

Qatar Steel participated in 'BEAT DIABETES' awareness campaign at Mesaieed plant site and as part of its CSR initiatives in association with Qatar Metabolic Institutes (QMI, Hamad Corporation) to stem the tide of this rapidly increasing worldwide epidemic. Almost every employee of different nationalities took the initiatives to participate in the campaign and received the result of assessment done on their blood samples. Many employees who were not aware of the conditions, and about its seriousness, found the campaign very helpful and eye opener. This awareness campaign was aimed at promoting early diagnosis and preventing or delay the onset of type 2 diabetes.



Two separate interactive sessions were planned for the employees. Detailed illustrations were presented, and questions and answers sessions were encouraged and responded by QMI and Qatar Steel's Medical Doctor at length to remove misconceptions about the disease. Doctors recommended that weight loss and a healthful diet are the best ways to reverse pre-diabetes. At-risk adults can reduce their chances of developing Type 2 through the adoption of lifestyle practices such as healthy eating, losing weight, and getting regular physical activity.

This awareness campaign was a part of "Prevention & Co-Existence" campaign adapted worldwide.

Local Procurement

Qatar Steel actively contributes to the country's economic development by supporting the growth of local businesses through a supply chain localization program called 'Tawteen'. Tawteen is a strategic initiative led by Qatar Petroleum which contributes to developing the local economy by providing new opportunities and capacity building for Qatari based companies, particularly small and medium enterprises (SMEs). Qatar Steel's spending on local procurement remains consistent with previous years at 1.1 billion QAR, showcasing Qatar Steel's continued commitment to support the growth and diversification of Qatar's economy and establish sustainable and competitive suppliers.

Spending on Locally Based Contractors and Suppliers	2016	2017	2018	2019
Total Local Spending ('000,QAR)	1,168,156	1,155,688	1,255,747	1,196,368

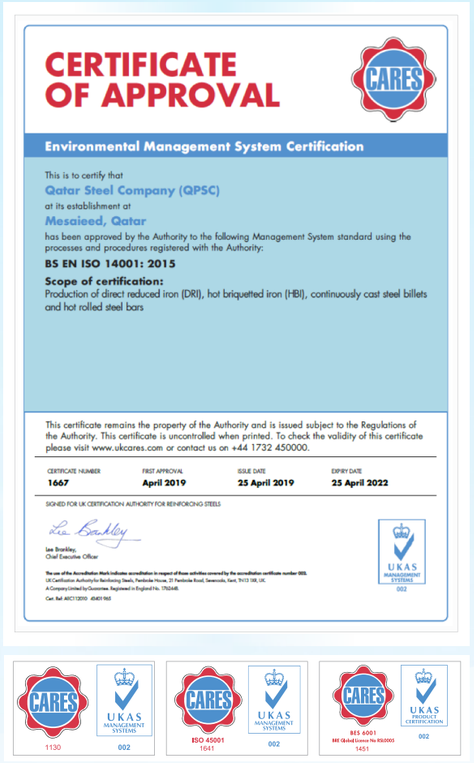
Reducing Environmental Impact

Pollution Control Measures

Qatar Steel has installed one stationary AAQMS (Ambient Air Quality Monitoring Station) at Qatar Steel Dormitory which was shifted to QPSC Mesiaeed main office premises, and one mobile station inside the plant to monitor the air quality inside the QPSC premises. CEMS (Continuous Emission Monitoring System) were also installed in our stacks, to monitor the emission emitted from our operations. In addition, bag filters installed at the stack are replace regularly to ensure emission emitted in the stacks is filtered before it was emitted to air. Another imitative were conducted to control our dust pollution by covering the DR 17 and DR 18 conveyor house with galvanized iron sheet helps in reducing the quantity of emitted dust from the operation to the surrounded environment. There also other established plans for dust control which are under study and approval of the management.

Environmental Management Program

For CTOs compliance issued by Ministry of Municipality and Environment (MME), Qatar Steel has developed monitoring plan for point source air emission, noise level, ambient air quality, hazardous waste, ground water and by products and recycled materials within the area of operations. Wherein all reports and records are reviewed and monitored to determine the compliance on the environmental standard. If there are findings of deviation on parameters set by CTOs, mitigation and recommended controls are strictly implemented. Quarterly environmental reports are also established to communicate to all concerned department within Qatar Steel, QP/MIC and MME. Managing our legal matters related to environment will ensure that all our environmental permits and licenses are updated, and environmental tools and equipment are calibrated on time. Procedures were developed, reviewed, revised, and circulated for effective implementation of environmental standard to address related aspects & the resulted impacts within Qatar Steel premises. Combined studies were done with QP/MIC for Air Shed Management, to develop modelling and assess the impacts of emission.



CERTIFICATE OF APPROVAL

CARES

Environmental Management System Certification

This is to certify that
Qatar Steel Company (QPSC)
at its establishment at
Mesaieed, Qatar
has been approved by the Authority to the following Management System standard using the processes and procedures registered with the Authority:

BS EN ISO 14001: 2015

Scope of certification:
Production of direct reduced iron (DRI), hot briquetted iron (HBI), continuously cast steel billets and hot rolled steel bars

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please visit www.ukcares.com or contact us on +44 1732 450000.

CERTIFICATE NUMBER	FIRST APPROVAL	ISSUE DATE	EXPIRY DATE
1667	April 2019	25 April 2019	25 April 2022

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Lee Brankley, Chief Executive Officer

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 002.
UK Certification Authority for Reinforcing Steels, Pembroke House, 21 Pembroke Road, Sevenoaks, Kent, TN13 1XR, UK.
A Company Limited by Guarantee. Registered in England No. 1762648.
Cert. Ref: AIC112010 43401965

UKAS MANAGEMENT SYSTEMS 002

CARES 1130 · UKAS MANAGEMENT SYSTEMS 002 · CARES ISO 45001 1641 · UKAS MANAGEMENT SYSTEMS 002 · CARES BES 6001 1451 · UKAS PRODUCT CERTIFICATION 002

Responsible Sourcing and Material Consumption

Qatar Steel is committed to improve the environmental, social, and economic impacts of its operations, including throughout the supply chain. This commitment starts with the responsible sourcing of raw materials. The iron ore used for our production is sourced from globally reputable companies, all of which are certified by ISO 14001 Environmental Management System and ISO 9001 Quality Management System. Companies with this certification tend to have clear environmental objectives and processes in place to achieve them.

In 2019, Qatar Steel completed a Life Cycle Assessment (LCA) on its products through a third-party evaluator, BRE Global, in accordance with the requirements of EN15804:2012 and A1:2013. By applying Life Cycle Assessment (LCA) to its products, Qatar Steel is fully aware of the environmental impacts of its products throughout all stages of their life cycle, from mining to manufacturing, transport, use and recycling or disposal. This "cradle-to-grave" analysis is required to meet the international accreditations in manufacturing for the company's high-grade steel. We aim to take full advantage of steel's infinite recyclability by recycling steel scrap generated in Qatar, to further reduce the environmental impacts of our main products.

The LCA also provides the company with the necessary data to benchmark the environmental performance of the main products and acts as structural support for our environmental decision-making. Understanding and improving the lifecycle performance of our main products are crucial ways in which we can contribute to a more sustainable economy.

CERTIFICATE OF APPROVAL

CARES

Responsible Sourcing of construction products

BES 6001 Responsible Sourcing

Rating VERY GOOD

This is to certify that
Qatar Steel Company (QPSC)
at its establishment at
Mesaieed, Qatar
has been approved by the Authority to the requirements of BES6001 Issue 3.1 using the processes and procedures registered with the Authority. This Responsible Sourcing certification has been carried out under license using BRE's Responsible Sourcing scheme methodology, scheme documentation and underpinning processes. The scoring table is shown in a separate appendix to this certificate.

BRE BES6001 Issue 3.1

Scope of certification:
Production of continuously cast steel billet and hot rolled steel bars for the reinforcement of concrete.

This certificate remains the property of the Authority and is issued subject to the Regulations of the Authority. This certificate is uncontrolled when printed. To check the validity of this certificate please visit www.ukcares.com or contact us on +44 1732 450000.

CERTIFICATE NUMBER	FIRST APPROVAL	ISSUE DATE	EXPIRY DATE
1451	July 2016	10 July 2019	10 July 2022

SIGNED FOR UK CERTIFICATION AUTHORITY FOR REINFORCING STEELS

Lee Brankley, Chief Executive Officer

The use of the Accreditation Mark indicates accreditation in respect of those activities covered by the accreditation certificate number 002.
UK Certification Authority for Reinforcing Steels, Pembroke House, 21 Pembroke Road, Sevenoaks, Kent, TN13 1XR, UK.
A Company Limited by Guarantee. Registered in England No. 1762648.
Cert. Ref: AIC112010 43401 587

UKAS PRODUCT CERTIFICATION 002


Certificate

GULF GREEN MARK (GGM)

Scheme: Environmental Product Declaration (EPD)

This is to certify that

QATAR STEEL COMPANY - QATAR

has fulfilled the requirements of GGM-EPD in accordance with BS EN 15804:2013 and GGM-Product Category Rules v2.0 guided by EN ISO 14025 for the following product(s):

Carbon Steel Reinforced Bars
(Direct Reduced Iron production route)

Certificate No. : 006-EP-QA
Certificate Date : Jan 2019
Expiry Date : Jan 2023

For & on behalf of GORD:

Dr. Yousef Mohammed Alhorr
Founding Chairman

This certificate is the property of GORD and must be returned on request.

This certificate will remain current subject to the company maintaining its system to the required standard. This will be monitored regularly by GORD.

Further clarification regarding the scope of this certificate and the applicability of the relevant standards' requirement may be obtained by consulting GORD.

Additionally, Qatar Steel has achieved a Responsible Sourcing of Construction Products certificate from UK CARES. The Environmental Product Declaration (EPD), which quantifies the environmental impact of products, is publicly available on www.greenbooklive.com. This EPD certificate was renewed in 2019 after the UK CARES Audit.

Qatar Steel holds BRE BES 6001 Issue 3.1 responsible sourcing certification from UK CARES since 2016.The BRE standard BES 6001 has been published for construction product manufacturers to ensure and then prove that their products have been made with materials that have been responsibly sourced. The standard includes a framework for various aspects such as the organizational governance, supply chain management and environmental and social aspects that must be addressed in order to ensure the responsible sourcing of construction products. In 2019, Qatar Steel has added a new feather in its cap by achieving performance rating of "VERY GOOD". The first steel company as on date has achieved a performance rating of "VERY GOOD" for the prestigious BES 6001 Responsible Sourcing Certification from CARES UK after the successful reassessment audit conducted along with CARES SCS Scheme Surveillance Audit.

In addition, Qatar Steel has been accredited with an exclusive recognition on technical competence of having testing laboratory to supply products meeting the customer's and international specification's requirement with utmost customer satisfaction. Quality Assurance Laboratory of Qatar Steel is now accredited by TURKAK (Turkish Accreditation Institution, Turkey), for Chemical and Mechanical testing of carbon steel used for reinforcement of concrete in Qatar and worldwide. TURKAK is a signatory to the European co-operation for Accreditation and International Laboratory Accreditation Cooperation (ILAC).

On the other hand, Qatar Steel becomes the first rebar manufacturer in the GCC region that obtains the Certificate of Product Performance from Australasian Certification Authority which will enable Qatar Steel to Market its product in Australia and New Zealand.

Transport Impact Assessment

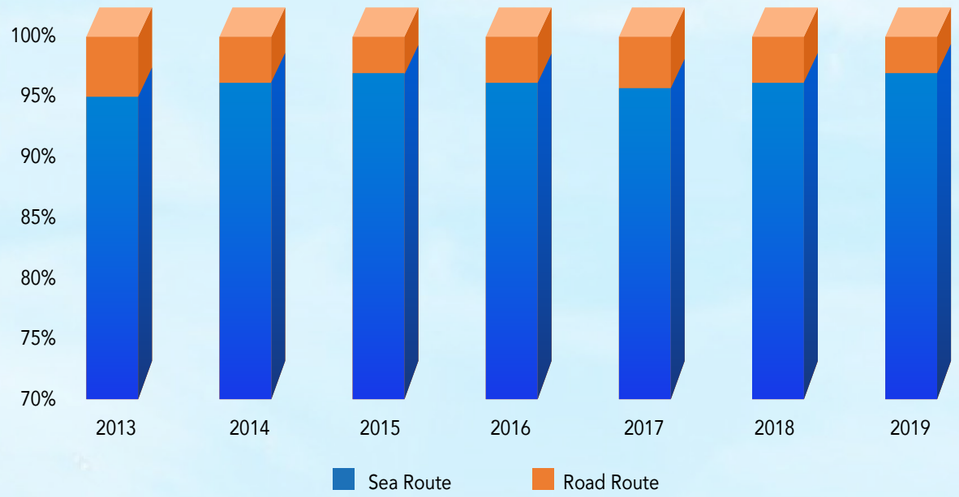
In line with the company's sustainability approach, Qatar Steel also seeks to minimise the impact associated with the transport of materials, goods and people involved in its operations. Therefore; a transport impact assessment is regularly conducted, gathering data like transport distance of incoming material by land and by sea, and reporting the impact data as a part of the EPD. A similar study for sold materials is also conducted. As a result, the company aims to transport through sea route to reduce the total logistical footprint impact.

In 2019, the incoming raw material distance travelled increased by 44% compared to 2016, and the distance for sale product distance increased by 281% over the same time.

Distance Travelled of Raw Material and Sale Product by Sea and Road	2016	2017	2018	2019
Incoming Raw Material				
Distance travelled by sea in km/ton	0.065	0.069	0.089	0.095
Distance travelled by road in km/ton	0.003	0.003	0.004	0.003
Total:	**0.068**	**0.072**	**0.093**	**0.098**
Sale Product				
Distance travelled by sea in km/ton	0.027	0.050	0.100	0.023
Distance travelled by road in km/ton	4.899	2.479	0.877	13.814
Total:	**4.926**	**2.529**	**0.977**	**13.837**

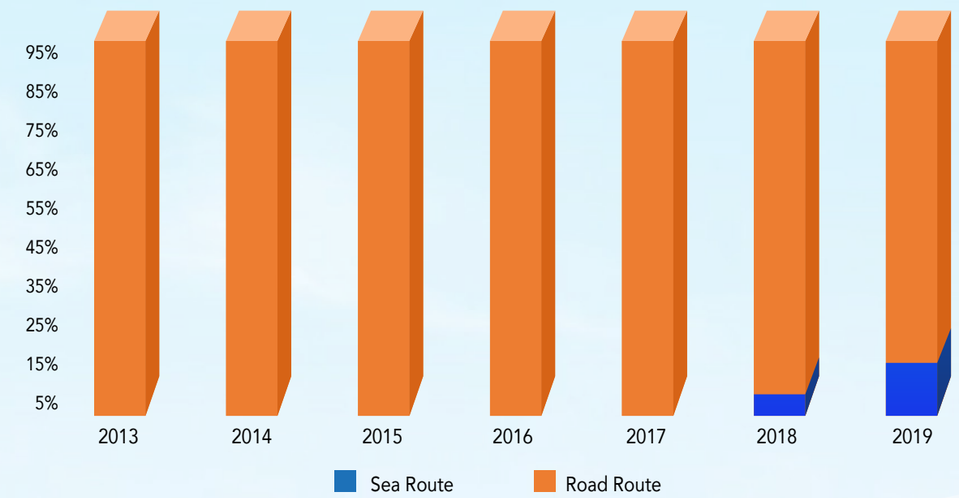
Incoming Raw Materials:

Distance Travelled for Raw Material (%)



Sold Product:

Distance Travelled for Sold Product (%)



Production Inputs

As a leader of sustainable steel in the region, Qatar Steel aims for continuous improvements in its steelmaking process using materials that are responsibly sourced as well as using recycled or scrap material wherever possible. Overall, 591,591 metric tonnes of input material is recycled such as reduced briquettes produced from generated by-products and scrap material that is either generated internally or purchased locally. Scrap input increased by around 5 % compared to 2018.

Production Inputs	2016	2017	2018	2019
Standard Raw Material Input for DRI and Steelmaking (in metric tons)				
Iron Ore Pellets	3,554,668	3,662,666	3,800,406	3,505,499
DRI	2,297,613	2,517,450	2,369,586	2,331,163
HBI	73,648	0	0	0
Alloys	33,225	35,334	36,765	34,313
Additives (I.e. Lime and Dololime)	132,441	136,758	136,318	130,386
Recarburizer	4,900	6,226	4,709	4,789
Carbon Injection	41,057	40,068	41,058	39,970
Fluorspar	492	17	1,061	1,515
Lump Coke	13,338	9,335	12,702	17,097
Recycled Raw Material Input for Steel Making (in metric tons)				
RBQ (Reduced Briquettes)	73,438	36,567	90,737	86,507
Scrap (Purchased locally and Internally Generated)	429,382	454,693	475,644	499,795
Lump Coke (from neighboring Aluminum Company)	0	13,067	9,589	4,648
Cryolite (from neighboring Aluminum Company)	0	1,176	576	641
Total Recycled Input Material	502,820	505,503	576,487	591,591

Efficient Energy Usage

The production of steel is an energy intensive process. The company recognizes the importance of reducing energy consumption in order to minimize the environmental impacts as well as increase the company's operational efficiency. Unlike most international steel manufacturers, Qatar Steel uses natural gas as an energy source for producing steel, which is cleaner and more environmentally friendly than the method of burning coal. The company further sets itself apart from its competitors in terms of sustainability by following an Electric Arc Furnace (EAF) route for the production of steel which is less energy intensive than other steelmaking routes followed widely in other parts of the world, such as Blast Furnace (BF) and Basic Oxygen Furnace (BOF).

Indirect and Direct Energy Usage	2016	2017	2018	2019
Direct Energy				
Natural Gas (Nm^3)*	802,350,251	800,228,032	798,802,243	756,492,715
Vehicle and Equipment Fuel Consumption (Litre)	2,806,445	2,515,796	2,573,049	2,742,674
Energy Consumption (GJ)	32,162,733	32,067,624	32,012,492	30,328,052
Indirect Energy				
Electricity Consumption (kWh)	2,069,256,278	2,154,822,422	2,131,603,609	2,102,278,648
Electricity Consumption (GJ)	7,449,323	7,757,361	7,673,773	7,568,203
Total Energy				
Total Electricity Consumption (GJ)	39,612,056	39,824,985	39,686,265	37,896,255
Energy Intensity				
Energy Intensity Ratio (GJ/Metric Tonne of Molten Steel)	15.6	14.9	15.3	14.7

*Note: Natural Gas consumption including Lime Calcination Plant.

Reducing Emissions

Due to the carbon-intensive process of steelmaking, high levels of Greenhouse Gas (GHG) emissions, particularly carbon dioxide (CO_2), remains one of the greatest challenges that the industry faces in achieving controlled emission and sustainable operations. The International Energy Agency (IEA) notes that as global steel production increases, sustained and substantial efforts to cut emissions are of paramount importance in order to prevent the exponential growth of greenhouse gases in the atmosphere. This is achieved by prioritizing energy-efficiency improvements, increasing scrap collection, and adopting new technologies that favour low-carbon process routes. As a responsible corporate of the State of Qatar and as part of the global industrial community, Qatar Steel is committed to reducing its carbon footprint and implementing industry best practices in order to fight the climate change.

GHG Emissions	2016	2017	2018	2019
Direct GHG Emissions (Metric Tonne CO_2eq)	1,630,798	1,628,400	1,625,694	1,540,456
Indirect GHG Emissions (Metric Tonne CO_2eq)	1,785,012	1,858,825	1,838,795	1,813,498
Total Emissions (Metric Tonne CO_2eq)	3,415,811	3,487,225	3,464,490	3,353,955
GHG Emission Intensity (Metric Tonne CO_2eq /Metric Tonne of Molten Steel)	1.34	1.31	1.33	1.30

As a result of improvements in the Continuous Emission Monitoring System (CEMS), emissions measurements have been more accurately captured. Additionally, Qatar Steel uses low NOx Combustion technology resulting in significant reduction in the emitted amount of NOx.

Air Emissions	2016	2017	2018	2019
NOx Emissions (in metric tons)	549	1,275	1,001	1,033
SOx Emissions (in metric tons)	1,349	212	977	1,196
PM (Particulate Matter) (in metric tons)	2,477	318	479	978

*Previous years data has been recalculated and corrected following normalisation of the values of flaring emissions

WORLD STEEL Recognition (Climate Change and CO_2 Monitoring)


worldsteel ASSOCIATION

CLIMATE ACTION Member

worldsteel ASSOCIATION

Qatar Steel Company (Q.S.C.)

In recognition of your participation in the worldsteel CO_2 data collection programme 2018-2019.

Edwin Basson
Director General

André Johannpeter
worldsteel Chairman

As a part of the global focus on Climate change, Qatar Steel participated in the CO_2 emission data collection program for all steel industry. The World Steel Association (WSA) has recognized the participation and granted Qatar Steel with a certificate for the year 2019. For continuous compliance within the World Steel, QPSC has already prepared the voluntary data collection for the year 2020 for their analysis. WSA has set an ambitious program for every steel company in the world to measure its CO_2 emissions/ton of crude steel produced using a common methodology. They developed a CO_2 data collection system compiling CO_2 emission data; and provides a highly credible overview of emissions for the entire steel industry using a standardized methodology.

Water Consumption and Effluents

As a company operating in a water-scarce region, Qatar Steel aims to reduce water consumption to the best of its ability, for the benefit of operations, as well as of the community and environment. Qatar Steel uses water in the form of freshwater, seawater, and recycled water in its operations, mainly as a cooling agent.

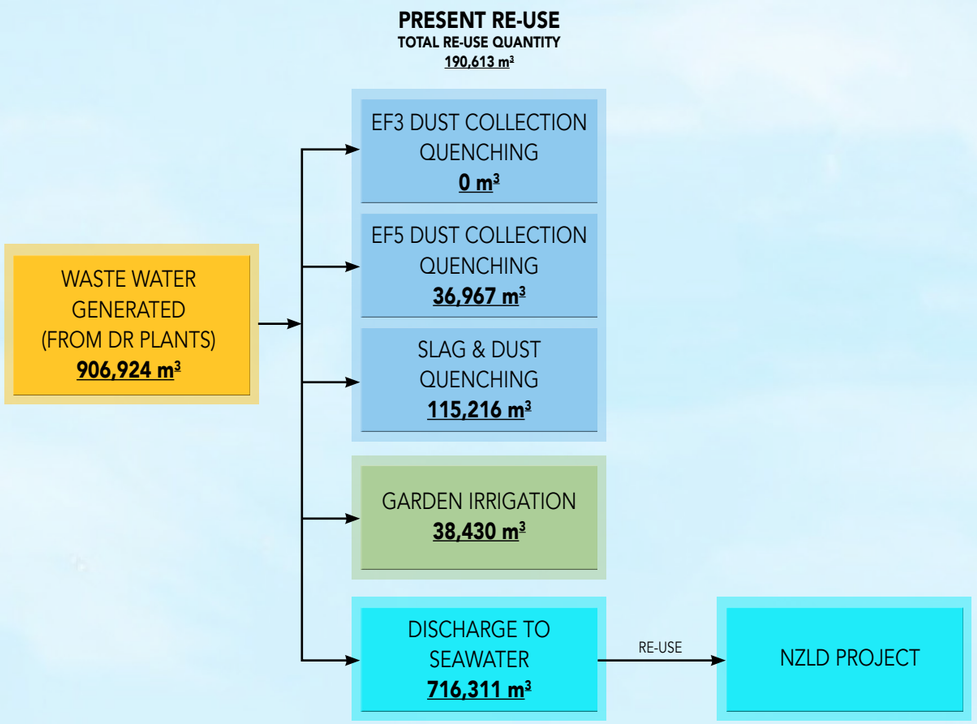
Qatar Steel's water management approach focuses on three objectives:
1. Decrease freshwater consumption,
2. Reduce wastewater discharge,
3. Increase the recycling rate of processed water.

In 2019, Qatar Steel's operations consumed 1,554,644 m3 of freshwater. The freshwater consumption is being controlled in-house; however, this control program is affected by the need to sustain production requirements. With the implementation of the Qatar Steel's Near Zero Liquid Discharge (NZLD) project, the aim is to reduce freshwater consumption by as much as 40%. The goal of the NZLD project is to reuse processed wastewater in the production process in order to reduce freshwater consumption. In 2019, Qatar Steel maintained the percentage of recycled or reused water at 21% down from 35.9% in 2018. This was due to a technical issue in the quenching tower's spray supply. The financial savings due to reusing processed wastewater instead of purchasing freshwater from Qatar's local utility amounts to more than QAR 1 million.

Qatar Steel continues to increase the processed wastewater use for garden irrigation. In 2019, 38,300 m3 was used or irrigation compared to 10,300 m3, almost a three-fold increase since 2018. The company is also making progress on its objective to reduce wastewater discharge to the sea. As it can be noticed, the discharged quantity of processed wastewater has slightly increased in 2019 in comparison to the last year's value due to EF-3 Spray Supply System stoppage.

Water Management	2016	2017	2018	2019
Freshwater Used (purchased, m3)	1,501,960	1,641,604	1,488,152	1,554,644
Water Discharged (to sea, m3)	767,678	708,174	622,320	716,311
Water Recycled or Reused (m3)	151,565	322,519	348,495	190,613
Water Recycled (%)	16.5%	31.7%	35.9%	21.0%
Water Intensity (Freshwater Used / Metric Tonne of Molten Steel)	0.59	0.61	0.57	0.60

Wastewater Re-Use Scheme



By-Product Management and Recycling

Qatar Steel's waste management is divided into two categories – Hazardous and non-hazardous waste.

A comprehensive procedure has been developed for identification, segregation, collection and disposal of waste generated within our operations. A summary of all waste shipments for non-hazardous wastes is reported to MME each quarter. Hazardous waste is stored at an approved hazardous waste storage facility and shall be disposed locally by the third parties within the coverage of disposal contract. Qatar Steel has studied and implemented various options to reuse / recycle the production waste. Palletizing DR product dust and EF dust, recycling of refractory bricks and extracting iron from slag utilization of used tires as carbon source in the steel melting process are many examples of our salient achievements. This project will contribute towards reducing a major waste problem of the community.

Under its Recycling and Sustainability Initiative, Qatar Steel has successfully recycled around 100,000 Tons of by-product briquettes produced by cold briquetting technology and also consumed around 5,000 Tons of carbon material from neighbouring companies in steel making as a raw material in line with QNV 2030 Environmental Development Pillar and to reduce the carbon footprint.

Operational By-Product Management	2016	2017	2018	2019
Total Waste Generated (Metric Tons)	777,441	902,995	935,848	857,145
Recycled Internally (Metric Tons)	83,940	177,755	211,272	194,595
Dispatched to Third Party for further Processing & Recycling (Metric Tons)	606,929	544,488	339,309	400,418
Total Recycled and Dispatched (Metric Tons)	690,869	722,243	550,581	595,013
Percentage of Operational Waste Recycled (%)	89%	80%	59%	69%

Detailed By-Product Management Performance in 2019

Non-hazardous waste	Total generated quantity (in metric tons)	Total recycled quantity (in metric tons)	Recycled quantity (%)	Method of handling/disposal
Oxide Fines	98,004	83,666	85%	Sold to External Customers
Mill Scale	28,300	47,543	168%	Sold to External Customers
DR Slurry + Classifier dust	31,703	49,498	156%	Sold to External Customers
DR Fines / HBI Fines	30,029	58,595	195%	Recycled at Qatar Steel Briquetting plant
DR dust	27,906	38,350	137%	Recycled at Qatar Steel Briquetting plant
EAF Dust	32,679	148,519	454%	Recycled at neighbouring cement Plant (Including balance stock quantity from the previous years)

Alloy dust	3,672	0	0%	Planning to Recycle at Briquetting plant
EAF Slag	419,235	0	0%	Initiatives are in progress to recycle it in Road Construction/cement production
LF Slag and collected dust	59,430	1,556	3%	Trial quantity sold to neighbouring cement company
Undersize Limestone (PM-LSF)	8,383	14,479	173%*	Sold to local construction company/Recycled internally
Return Scrap + SSPM	91,705	91,578	100%	Recycled at EAF's
Bricks / Refractories / Roof / Tundish	362	1,030	284%*	Mgo Bricks were recycled at EAF as a partial replacement of Dololime.
Plastic, paper and other waste	2,911	2,911	100%	Sold to External Customers
Grand Total	**857,145**	**595,013**	**69%**	

*More than 100% because blank stock from the previous year was considered.

Hazardous Waste Generation and Disposal Method

Type of Waste	Nature of Waste	Yearly Generated Quantity (Tonnes)	Point of Generation	Waste Management
Disposed Oily Sludge & Grease	Semi-Solid	156.2	Maintenance Areas	Disposed to local company for incineration.
Medical Waste	Solid	0.267	Clinic	Disposed to local company for incineration.
Disposed Paints & Thinners	Liquid	24.61	Materials received from outside	Disposed through local company.
Electronic Waste including ink cartridge	Solid	14.22	Repairing and Maintenance	Disposal through local company.
Neutralized Chemicals	Liquid	0.01	QC Lab	Disposed through local company.
		Total **195**		

Biodiversity and Ecotoxicity

As recommended in the National Biodiversity Strategy and Action Plan 2015-2025, Qatar Steel is committed to preserving Qatar's natural environment. Consultants and studies have ensured that Qatar Steel's operations are not conducted in areas of high biodiversity value and do not have a harmful impact on the biodiversity in its region. To address one aspect of enhancing site biodiversity, a total of 84 trees were planted in 2019. The water used to irrigate the trees consists of 21% recycled processed water and the goal is to increase the percentage of recycled water used in irrigation.

Qatar Steel is located in Mesaieed Industrial City-MIC, a designated area for industrial usage. There are no natural habitats, reserves or sanctuaries in the nearby area to the industrial city. The sea is the only significant natural body near to the plant. There are two ports, the MIC Mesaieed Industrial City Port and Qatar Steel's Port located near to the Qatar Steel boundary. Both of the ports are protected by the Qatar's Environmental Laws of the Ministry of Municipality and Environment and the Qatar's Navigation to prevent any kind of harmful activities. Analysis from earlier Environmental Impact Assessment studies which were conducted prior to any new project, showed that the area is with low environmental significance and therefore the potential of environmental impacts is also low. Ecotoxicity studies are always conducted when new materials are procured.

As per the consent to operate and other regulatory requirements and guidelines applicable, Qatar Steel is monitoring the emissions, conducting the environmental studies, and submitting the reports to the Ministry of Municipality and Environment and local authority at QP-MIC. There weren't any raised reports regarding the negative impacts of Qatar Steel's plant on society or biodiversity. Most of the company's environmental emissions are within the consent to operate assigned limits of Qatar's MME for analysis of gases, particulate matters, blown down water (processed water) discharge analysis, noises, and other environmental factors.

Developing a High Performing and Motivated Team

In line with Qatar National Vision 2030, Qatar Steel promotes the development of its staff and prioritizes their welfare, thus contributing to business success and the advancement of the Qatari community. At the end of 2019, the company workforce was composed of 1,834 full-time employees. Qatar Steel also hires contractors to work full time to support different work at the plant and the main offices. The number of full-time contractors at Qatar Steel in 2019 amounted to 499 individuals, making the total workforce of 2333.

Due to the nature of work performed, most of our employees are male and between 30 and 60 years of age. Qatar Steel is undertaking efforts to target and recruit more female and young employees, as a commitment to diversify the workforce. Female employees currently make up 0.49% of our total workforce, and young employees 7.6%.

Workforce Composition	2016	2017	2018	2019
Full-time employees	1,820	1,824	1,823	1,834
Full-time contractors	467	465	451	499
Total staff	2,287	2,289	2,274	2,333
By gender (FTE only)				
Male	1,811	1,815	1,814	1,825
Female	9	9	9	9
By age (FTE only)				
18 - 30	178	154	186	139
31 - 40	756	730	754	751
41 - 50	669	693	664	689
51 - 60	205	231	216	253
60+	12	16	3	2

By level (FTE only)				
Staff	1,580	1,576	1,590	1,603
Middle Management	217	227	214	211
Senior Management	23	21	19	20

Qatar Steel is guided by its Code of Conduct and related policies, which provides a comprehensive holistic approach that ensures the company's recruitment, retention, and development system is in line with ethical business operations. Diversity and inclusion are embraced throughout the entire organization, and Qatar Steel considers all qualified candidates for employment without discrimination against race, gender, or age.

New Hires and Attrition	2016	2017	2018	2019
New Hires				
Total number of new hires	44	52	106	72
By gender				
Male	44	51	106	72
Female	0	1	0	0
By age				
18 - 30	8	23	44	29
31 - 40	23	25	56	29
41 - 50	12	4	4	10
51 - 60	1	0	2	4
60+	0	0	0	0
Attrition				
Total attrition	96	49	111	61
By gender				
Male	92	48	111	61
Female	4	1	0	0

By age				
18 - 30	10	8	9	6
31 - 40	23	19	34	10
41 - 50	17	11	35	13
51 - 60	25	3	15	25
60+	21	8	18	7
By level				
Staff	82	42	76	45
Middle Management	7	6	30	9
Senior Management	7	1	5	7
Employee turnover rate	**5.3%**	**2.7%**	**6.1%**	**3.3%**

Training and Development

Qatar Steel is continuously upgrading training infrastructure, methodologies and programmes. In 2019, Qatar Steel piloted an e-learning programme. A total of 30 employees were selected from different departments to test the programme. They were given between six to seven modules to test over a period of one month. At the end of the program, an evaluation was carried out to assess the success of the e-learning programme. 72% agreed that the program was beneficial; and therefore, Qatar Steel's management approved the roll out of this programme to a wider number of employees. In the next phase, new modules will be added that include more topics such as HR and finance aiming to enrich an employee's overall training and exposure to various topics.

Training	2016	2017	2018	2019
Total number of training hours provided	16,422	23,217	53,530	44,187
Total number of training hours provided	9.0	12.7	29.0	24.0
Total Cost of Training (QR)	669,687	972,842	1,852,786	1,487,041

In September, Qatar Steel conducted a Communication Skills Program to provide employees with the practical tools and techniques required to enhance proficiency in business communication and develop a positive, polished, and professional image.

Additionally, a leadership seminar was delivered by Mr. Salah Ibrahim Babiker Karga, Advisor – MD & CEO's office - to inspire vision, develop commitment, and instill leadership skills to an ever-increasing younger and dynamic workforce entering and assuming prime roles of Qatar Steel.

Employee Empowerment and Engagement

Qatar Steel constantly endeavours to move beyond the traditional "total quality management" to explore how we can create a culture in which employees "live" quality in all their actions – where they are passionate about quality as a personal value, and not just simply obeying instructions. We define a "true culture of quality" as an environment in which employees not only follow quality guidelines but also consistently see others taking quality-focused actions, hear others talking about quality, and feel quality all around them.

For the last years, Qatar Steel has been conducting the Quality Control Circles aimed at excelling in operations and manufacturing techniques. This activity was originally associated with the Japanese Kaizen management and techniques which has been accepted all over the world as a highly effective tool to improve the quality of work environment. It facilitates total involvement of employees which aspire them to evolve suitable solutions of the problems.

The Quality Control Circle activities are aimed at encouraging employees to create new ideas in order to improve working conditions, safety, and individual development for the growth of the organization.

"Quality in action" guidelines facilitate the employees to understand the company's expectations. We studied eight technical presentations and concluded that factors that drive quality as a cultural value are: leadership, message credibility, peer involvement, and most importantly employee ownership of quality issues. It has encouraged our employees to reduce cost in various areas of operations leading to produce defect-free goods. Consistent with objectives, we conduct group brainstorming sessions to determine the root causes of bottlenecks and identify corrective actions to act upon.

Eight MD & CEO awards were presented to different departments as part of the program. The awards epitomize Departments commitment to operational excellence and high performing organization values.

Consistent with efforts to promote the benefits of an active healthy lifestyle, Qatar Steel participated in the celebration of National Sports Day.

In the presence of the MD & CEO, Division and Departments managers and a large number of employees, a series of sport activities were planned and executed. Qatar Steel organized fitness activities and fun sport including march past, slow jogging, race, tug-off-war, and playing team games like, football, cricket and basketball. An abundant enthusiasm was noticed among the employees.

In the course of the event, MD & CEO thanked His Highness Sheikh Tamim Bin Hamad Al Thani, Amir of the State of Qatar, for his generous initiative to dedicate one day for sport activities and raising the interest among the people who are the true wealth of the country. Healthy people reflects a healthy nation and a healthy nation is always a wealthy nation. Therefore; it is necessary to put emphasis on various sports.

He also added that this initiative has proved successful every year, and emphasized that a healthy and wealthy nation is always successful in accommodating every ups and downs of the economy and hence it is necessary to put emphasis on sports. Incorporating sport into our daily lives is so important because it helps us to stay active in our life and in the workplace as well. It connects us with other sport lovers across the world. Qatar today has become a regional hub for sport and believes that human health is a priority for the state.

In the end, MD & CEO thanked all the participants who participated in sports activities, stressing the importance of healthy lifestyle and explaining that sport is an essential element of our life because it generates a positive impact on society.

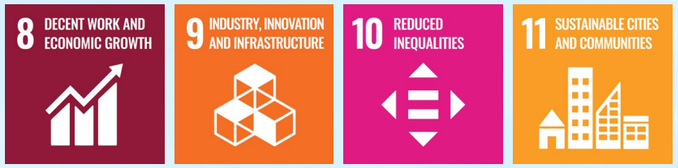
Spotlight: Qatar Steel Recognizes Long-Service Employees

In a special ceremony, Qatar Steel recognized 202 of its long-service employees, who have completed 10 – 40 years of work, in acknowledgement and appreciation of their efforts, commitment and dedication in serving the Company throughout the years.

On the occasion, MD & CEO: "Qatar Steel has a long of tradition of holding this ceremony to recognise long-service employees in appreciation of their efforts and dedication throughout their years of service. This annual recognition tradition is the way the Company expresses its pride in its technical and administrative staff with excellent expertise and skills in various fields. It represents a motivation for employees to give their best in order to enable Qatar Steel to realise its strategic goals and contribute positively to promoting health and safety standards at workplace."

In the conclusion of the long-service employee recognition ceremony, MD & CEO, presented certificates to the recognized employees for their outstanding performance over the previous years.

Achieving Profitable Growth



Financial Performance

The year 2019 was marked with a few financial challenges. Overall company revenue dropped by 12% compared to the previous year as a result of lower netbacks for all products. Consequently, these lower netbacks as well as higher feedstock prices, resulted in the net profit for 2019 being approximately 97% lower than in 2018.In response, Qatar Steel has ramped up operational efficiencies aiming to reduce operational costs considerably. The full value of improved efficiencies undertaken would be clearer in the next outcomes of the 2020 outcomes.

Direct Economic Value Generated and Distributed (in QAR million)	2017	2018	2019
Revenue	4,638	5,791	5,096
Net Profit	659	789	26
Net Profit To Revenue (%)	14%	14%	0.5%
Capital Expenditure	82	157	154
Other Incomes	358	102	233
Operational Costs	3,318	3,407	3,603
Employees' Wages and Benefits	549	575	574

Instilling Good Governance and Accountability

Integral to Qatar Steel's robust operation, transparency in governance ensures honesty and equality across the company. The company has procedures in place to facilitate an honest, responsible governance structure, which is not only good for Qatar Steel in the effective management of risks, but also in improving relationships with employees and the community. In alignment with the Qatar Vision 2030, Qatar Steel strives to support a business climate capable of attracting foreign funds and encouraging national investments.

Corporate Governance

The company's Corporate Governance Charter provides the principles for the Board of Directors in its foundation of independence and protecting shareholders' rights. The seven highly skilled Board members are appointed by the corporation's principal shareholder, Industries Qatar (IQ), at the General Assembly.

Saad Rashid Al-Muhannadi
Chairman

Abdulla Mohamed Al-Mahmoud
Vice Chairman

Mohammed Bin Nasser Al-Hajri
Managing Director & CEO

Khalid Jaham Al-Kuwari
Director

Adel Abdulla Al-Rumaihi
Director

Khalid Thamer Al-Hemaidi
Director

Khalid Mohammed Al-Hitmi
Director

Accountability and Ethics

Accountability and ethics are embedded into Qatar Steel at all levels, from senior management to intermediate staff. Annual and sustainability reports publicly demonstrate the company's commitment to this priority. Additionally, there are processes in place within each department to further ensure that these principles of accountability and ethics are upheld. Qatar Steel's Governance Charter and Procurement Policies enforce best practices in governance and supply chain management, facilitating fruitful collaboration, both within the company and with external stakeholders.

Internal Audit

The Internal Audit team continues to play a prominent role in the company's governance and management systems. Its vigilance provides assurance that satisfactory systems, policies, and procedures are in place and being followed to ensure that the company's assets are safeguarded, and the company objectives are being met. It ensures systems and procedures are in place and being followed to ensure timely and accurate reporting to the directors, management, and stakeholders that help ensure the company's objectives are being met. Additionally, it assures that the policies and practices are in place to communicate and monitor the company's compliance with appropriate laws and regulations. The Board Audit Committee also continues to support the Board in its oversight responsibilities, particularly those relating to:

1. The integrity of the company's financial statements and financial reporting process;
2. The effectiveness of the company's internal controls systems;
3. The internal audit process; and
4. Business codes, ethics, and conduct.

Risk Management

Changes in the business environment are increasing rapidly, along with increasing competition levels, resulting in a variety of business risks that could affect the company's performance. In this VUCA (Volatility, Uncertainty, Complex & Ambiguous) world, Qatar Steel recognizes that the effective management of business risks and opportunities is crucial to our continued growth and success. Apart from that, there are several critical Drives for having a Risk management framework:

- Greater transparency (Corporate Governance).
- Security and technology issues.
- Globalization in a continuously competitive environment.

Qatar Steel also has an integrated Enterprise Risk Management (ERM) framework, which is in place to manage business risks, as well as to provide solutions for risk mitigation.

Qatar Steel's Business Continuity Management System (BCMS) has provided the required security of business continuity in the event of occurrence of any of the business continuity risk scenarios. Regular reviews and updates to the business continuity risk scenarios are performed at departmental and company-wide levels.

APPENDICES

APPENDIX A: REPORTING SCOPE AND BOUNDARY

This report contains information on Qatar Steel's performance in Qatar only, and does not reflect the social or environmental performance of its subsidiaries. We have considered our material topics and identified their boundaries in the table below.

Qatar Steel Material Issue	Topic Boundary
Employee Safety	Employees, Shareholders, Environment
Emergency Preparedness	Shareholders, Environment, Society, Employees
Contractor Safety	Employees, Shareholders, Environment
Occupational Health	Shareholders, Employees, Society
Operational Efficiency	Shareholders, Employees
Waste Management and Recycling	Shareholders, Employees, Society
Customer Satisfaction	Shareholders, Customers
Product Quality	Shareholders, Customers, Environment, Society
Product Innovation	Shareholders, Customers, Environment, Society
Product Traceability	Shareholders, Customers
Energy Consumption	Shareholders, Environment
Water Consumption	Shareholders, Employees, Society
GHG Emissions	Shareholders, Employees, Society
Corporate Governance	Shareholders, Employees
Risk Management	Shareholders, Employees
Qatarization	Shareholders, Employees, Society
Financial Performance	Shareholders, Customers, Environment, Society, Employees
Strategic Investment	Shareholders, Employees
Training and Development	Shareholders, Employees
Performance Based Compensation and Rewards	Shareholders, Customers, Environment, Society

APPENDIX B: MATURITY ASSESSMENT

Qatar Steel assesses its level of sustainability maturity in line with the methodology provided by UK CARES Sustainable Constructional Steel Scheme Principles.

Principles and Practices		Maturity Level	Programs and Plans
Inclusivity	Stakeholder engagement and issue identification	Full engagement	• Engaged with MME to ensure all targets agreed in the CTO are managed and reported correctly. • Environmental Monitoring Program is in place to ensure compliance with all applicable regulations. • Qatar Steel has integrated Sustainability in its corporate strategy and has implemented a sustainability roadmap that identifies opportunities/risks associated which are quarterly reviewed in Balance Score Card meeting. • An integrated Enterprise Risk Management (ERM) framework is in place to manage business risks. • To further enhance business resiliency, Qatar Steel established a comprehensive Business Continuity Management System (BCMS) in 2017.
	Key drivers	Adequately engaged	• Sustainable development part of risk management through the Enterprise Risk Management System (ERM).
Integrity	Leadership	Full engagement	• Leading the regional market sector on sustainability issues. • Adhered to UKCARES Quality and Operations Assessment Schedule, BSEN ISO 9001, Quality Management System, and UK CARES Product Certification since 2006. • Sustainability Policy and objectives developed through the Management Systems (QMS, EMS, ISO) are in place. Additionally, there is a well-developed sustainability framework and commitments. • Maintains certificates for Sustainability and Responsible sourcing (BES 6001) certified by UKCARES.
	Managing risk	Adequately engaged	• Adopted Environmental Management System complying to ISO 14001 and Health and Safety Management System according ISO 45001. • Adopted a comprehensive and integrated Enterprise Risk Management (ERM) framework for mitigating the various risks to which the businesses are exposed to in the course of their operations and strategic actions.
Stewardship	Sustainable development culture	Full engagement	• Culture of sustainable development is fully integrated in all levels. Sustainability objectives are well integrated in all departmental level, and its performance is being monitored through Balanced scorecard system. • Sustainability Team is in place that works as focal points for their departments who links departmental sustainability objectives with the organizational sustainability roadmap. • Qatar Steel has a dedicated budget for community investment.
	Building capacity	Adequately engaged	• Training plan including theoretical and practical training regarding quality, environment, H&S and Sustainability is in place. • Performance Appraisal System is in place.
	Supply chain	Adequately engaged	• Suppliers are selected based on technical compliance, cost, delivery time, environmental, safety and human rights performance criteria. Further developments related are expected in the coming year.
	Environmental assessment	Full engagement	• Comprehensive environmental impact/ risk management functions that investigate environmental risks in the organization and communicate to the Board through the Audit Committee.
Transparency	Review	Full engagement	• Sustainability Road Map is reviewed quarterly during Balance Score Card meeting. • Management Review meeting is undertaken annually, and objectives/targets are set to reflect continual improvement as a part of Sustainability Management.
	Building confidence	Adequately engaged	• Qatar Steel have been issuing sustainability reports since 2011, providing a transparent channel of its sustainability performance to its stakeholders.

APPENDIX C: 2019 PERFORMANCE DATA

Energy Consumption	2016	2017	2018	2019
Direct Energy Consumption (GJ)	32,162,733	32,067,624	32,012,492	30,328,052
Indirect Electricity Consumption (GJ)	7,449,323	7,757,361	7,673,773	7,568,203
Total Energy Consumption (GJ)	39,612,056	39,824,985	39,686,265	37,896,255
Energy Intensity Ratio (GJ/MT of Molten Steel)	15.6	14.9	15.3	14.7
Water Consumption	**2016**	**2017**	**2018**	**2019**
Freshwater Used (purchased, m^3)	1,501,960	1,641,604	1,488,152	1,554,644
Water Discharged (to sea, m^3)	767,678	708,174	622,320	716,311
Water Recycled or Reused (m^3)	151,565	322,519	348,495	190,613
Water Recycled (%)	16.5%	31.7%	35.9%	21.0%
Water Intensity (Freshwater Used /MT of Molten Steel)	0.59	0.61	0.57	0.60

Waste Management	2016	2017	2018	2019
Total Waste Generated (Metric Tons)	777,441	902,995	935,848	857,145
Recycled Internally (Metric Tons)	83,940	177,755	211,272	194,595
Dispatched to Third Party for further Processing & Recycling (Metric Tons)	606,929	544,488	339,309	400,418
Total Recycled and Dispatched (Metric Tons)	690,869	722,243	550,581	595,013
Percentage of Operational Waste Recycled (%)	89%	80%	59%	69%
GHG Emissions	**2016**	**2017**	**2018**	**2019**
Direct GHG Emissions (Metric Tonne CO_2eq)	1,630,798	1,628,400	1,625,694	1,540,456
Indirect GHG Emissions (Metric Tonne CO_2eq)	1,785,012	1,858,825	1,838,795	1,813,498
Total Emissions (Metric Tonne CO_2eq)	3,415,811	3,487,225	3,464,490	3,358,955
GHG Emission Intensity (Metric Tonne CO_2eq /Metric Tonne of Molten Steel)	1.34	1.31	1.33	1.30
Air Emissions	**2016**	**2017**	**2018**	**2019**
NOx Emissions (in metric tons)	549	1,275	1,001	1,033
SOx Emissions (in metric tons)	1,349	212	977	1,196
PM (Particulate Matter) (in metric tons)	2,477	318	479	978

Safety and Occupational Health - Employees	2016	2017	2018	2019
Work-Related Fatalities	0	1	0	0
Lost Time Injury Frequency Rate (LTIFR)	0.51	1.07	0.53	1.06
Reportable Injuries	23	21	13	10
Reportable Cases (TRC)	6	6	2	4
Man-Hours Worked	3,943,960	3,743,864	3,752,057	3,769,208
Lost Time Injuries	2	4	2	4
Minor Injury Reported	21	17	11	4
Near Missed Reported	811	451	154	81
First Aid Cases	7	7	4	4

Safety and Occupational Health - Contarctors	2016	2017	2018	2019
Work-Related Fatalities	0	0	0	0
Lost Time Injury Frequency Rate (LTIFR)	1.96	1.14	0.48	0.18
Reportable Injuries	37	26	20	3
Reportable Cases (TRC)	16	7	2	1
Man-Hours Worked	2,544,671	3,521,458	4,162,885	5,657,090
Lost Time Injuries	5	4	2	1
Minor Injury Reported	32	22	18	12
Near Missed Reported	384	451	154	81
First Aid Cases	21	13	9	12

Workforce Composition & Training	2016	2017	2018	2019
Full-time employees	1,820	1,824	1,823	1,834
Full-time contractors	467	465	451	499
Total staff	2,287	2,289	2,274	2,333
Qatari Employees	187	182	165	157
Qatarization Rate (%)	10.3%	10.0%	9.1%	8.6%
Total number of training hours provided	16,422	23,217	53,530	44,187
Average Hours of Training Per Year per Employee	9.0	12.7	29.0	24.0
Total Cost of Training (QAR)	669,687	972,842	1,852,786	1,487,041

Investment in the local economy	2016	2017	2018	2019
Total Spending on Locally Based Contractors and Suppliers ('000,QAR)	1,168,156	1,155,688	1,255,747	1,196,368
Sponsorship/Scholarship Education Investment (QAR)	3,601,780	2,522,070	971,714	968,993

Operational Performance	2016	2017	2018	2019
Direct Reduced Iron (DRI)	2,478,481	2,547,916	2,464,915	2,393,466
Hot Briquetted Iron (HBI)	27,457	0	0	0
Molten Steel	2,544,157	2,668,763	2,598,764	2,580,956
Steel Billets	2,520,751	2,644,991	2,574,938	2,557,813
Reinforcement Steel Bars (rebar)	1,893,052	1,745,143	1,846,371	1,833,663
By-Products*	219,139	285,286	340,634	255,203

APPENDIX D: GRI CONTENT INDEX

This report has been prepared in accordance with the GRI Standards: Core option, and the table below provides a reference for GRI content in the report. For the Materiality Disclosures Service, GRI Services reviewed that the GRI content index is clearly presented and the references for Disclosures 102-40 to 102-49 align with appropriate sections in the body of the report. The service was performed on the English version of the report.

GRI Standard	Disclosure	Page number(s) and/Direct answers
GRI 101: Foundation 2016		
General Disclosures		
GRI 102: General Disclosures 2016	**Organizational profile**	
	102-1 Name of the organization	Qatar Steel
	102-2 Activities, brands, products, and services	7,8
	102-3 Location of headquarters	4
	102-4 Location of operations	4
	102-5 Ownership and legal form	4,5
	102-6 Markets served	18,19
	102-7 Scale of the organization	8,17,54,60
	102-8 Information on employees and other workers	54,55,56
	102-9 Supply chain	7,43,44
	102-10 Significant changes to the organization and its supply chain	No Changes
	102-11 Precautionary Principle or approach	The precautionary approach is embedded in Qatar Steel's sustainability management approach.
	102-12 External initiatives	Qatar National Vision 2030
	102-13 Membership of associations	World Steel Association
	Strategy	
	102-14 Statement from senior decision-maker	3
	Ethics and Integrity	
	102-16 Values, principles, standards, and norms of behavior	9
	Governance	
	102-18 Governance structure	60-62
	Stakeholder Engagement	
	102-40 List of stakeholder groups	11
	102-41 Collective bargaining agreements	Trade Unions are prohibited in Qatar
	102-42 Identifying and selecting stakeholders	11
	102-43 Approach to stakeholder engagement	11
	102-44 Key topics and concerns raised	9,10
	Reporting Practice	
	102-45 Entities included in the consolidated financial statements	Annual 2019 report, Financial statements include the activities of Qatar Steel. No other entity is included.
	102-46 Defining report content and topic Boundaries	63
	102-47 List of material topics	12
	102-48 Restatements of information	No restatements
	102-49 Changes in reporting	No significant changes
	102-50 Reporting period	January 1, 2019 - December 31, 2019
	102-51 Date of most recent report	2018
	102-52 Reporting cycle	Annual
	102-53 Contact point for questions regarding the report	1
	102-54 Claims of reporting in accordance with the GRI Standards	1
	102-55 GRI content index	70-74
	102-56 External assurance	Not externally assured
Material Topics		
GRI 200 Economic Standard Series		
Economic Performance		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	60
	103-2 The management approach and its components	60
	103-3 Evaluation of the management approach	60
GRI 201: Economic Performance 2016	201-1 Direct economic value generated and distributed	60

Market Presence		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	30
	103-2 The management approach and its components	30
	103-3 Evaluation of the management approach	30
GRI 202: Market Presence 2016	202-2 Proportion of senior management hired from the local community	30
Procurement Practices		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	39
	103-2 The management approach and its components	39
	103-3 Evaluation of the management approach	39
GRI 204: Procurement Practices 2016	204-1 Proportion of spending on local suppliers	39
GRI 300 Environmental Standards Series		
Materials		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	45
	103-2 The management approach and its components	45
	103-3 Evaluation of the management approach	45
GRI 301: Materials 2016	301-1 Materials used by weight or volume	45
	301-2 Recycled input materials used	45
Energy		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	46
	103-2 The management approach and its components	46
	103-3 Evaluation of the management approach	46
GRI 302: Energy 2016	302-1 Energy consumption within the organization	46
	302-3 Energy intensity	46
	302-4 Reduction of energy consumption	46
	302-5 Reductions in energy requirements of products and services	46
Water		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	49
	103-2 The management approach and its components	49
	103-3 Evaluation of the management approach	49
GRI 303: Water 2016	301-1 Water withdrawal by source	49,50
	301-3 Water recycled and reused	49,50
Biodiversity		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	53
	103-2 The management approach and its components	53
	103-3 Evaluation of the management approach	53
GRI 304: Biodiversity 2016	304-1 Operational sites owned, leased, managed in, or adjacent to, protected areas and areas of high biodiversity value outside protected areas	53
	304-2 Significant impacts of activities, products, and services on biodiversity	53
Emissions		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	47
	103-2 The management approach and its components	47
	103-3 Evaluation of the management approach	47
GRI 305: Emissions 2016	305-1 Direct (Scope 1) GHG emissions	47
	305-2 Energy indirect (Scope 2) GHG emissions	47
	305-3 Other indirect (Scope 3) GHG emissions	47
	305-4 GHG emissions intensity	47
	305-5 Reduction of GHG emissions	47
	305-6 Emissions of ozone-depleting substances (ODS)	48
	305-7 Nitrogen oxides (NOX), sulfur oxides (SOX), and other significant air emissions	48
Environmental Compliance		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	40
	103-2 The management approach and its components	40
	103-3 Evaluation of the management approach	40
GRI 307: Environmental Compliance 2016	307-1 Non-compliance with environmental laws and regulations	40

GRI 400 Social Standards Series		
Employment		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	54
	103-2 The management approach and its components	54
	103-3 Evaluation of the management approach	54
GRI 401: Employment 2016	401-1 New employee hires and employee turnover	54,55,56
Occupational Health and Safety		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	26
	103-2 The management approach and its components	26
	103-3 Evaluation of the management approach	26
GRI 403: Occupational Health and Safety 2016	403-1 Workers representation in formal joint management-worker health and safety committees	24
	403-2 Types of injury and rates of injury, occupational diseases, lost days, and absenteeism, and number of work-related fatalities	23
	403-3 Workers with high incidence or high risk of diseases related to their occupation	28
Training and Education		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	56
	103-2 The management approach and its components	56
	103-3 Evaluation of the management approach	56
GRI 404: Training and Education 2016	404-1 Average hours of training per year per employee	56
	404-2 Programs for upgrading employee skills and transition assistance programs	56
Local Communities		
GRI 103: Management Approach 2016	103-1 Explanation of the material topic and its Boundary	34-35
	103-2 The management approach and its components	34-35
	103-3 Evaluation of the management approach	34-35
GRI 413: Local Communities 2016	413-1 Operations with local community engagement, impact assessments, and development programs	34-35

APPENDIX E: ACRONYMS

API	American Petroleum Institute	JSA	Job Safety Analysis
ASTM	American Society for Testing and Materials	Kg	Kilogram
		kWh	Kilowatt-hour
BCMS	Business Continuity Management System	LCA	Life Cycle Assessment
BF	Blast Furnace	LF	Ladle Furnaces
BOF	Basic Oxygen Furnace	LOTO	Lock-Out and Tag-Out
BS	British Standard	LTIFR	Lost-time Injury Frequency Rate
CAM	Center for Advanced Materials	m^3	Cubic metre
CDRI	Cold direct reduced iron	MENA	Middle East and North African
CO_2eq	Carbon Dioxide Equivalent	mg/Nm^3	Milligram per normal cubic metre
DR	Direct Reduction	MMI	Man-Machine Interface
EAF	Electric Arc Furnace	NOx	Nitrogen oxides
EBT	Eccentric Bottom Tap	NZLD	Near Zero Liquid Discharge
EMS	Environmental Management System	OHC	Occupational Health Center
EPD	Environmental Product Declaration	Q-Coat	Qatar Metals Coating Company WLL.
ERM	Enterprise Risk Management	QC Circle	Qatar Steel's Quality Control Circle
FBE	Fusion Bonded Epoxy	QIMC	Qatar Industrial Manufacturing Company
FZE	Free Zone Establishment	QMS	Quality Management System
GCC	Gulf Cooperation Council	QNV 2030	Qatar National Vision 2030
GHG	Greenhouse Gas	QP	Qatar Petroleum
GJ	Gigajoule	QAR	Qatari Riyal
GORD	Gulf Organization for Research and Development	R&S	Research and Sustainability Department
GPCA	Gulf Petrochemicals and Chemicals Association	RBQ	Reduced Briquettes
GRI	Global Reporting Initiative	Rebar	Reinforcement steel bar or Reinforcing steel
HBI	Hot Briquetted Iron	RM	Rolling Mill
HIRA	Hazard Identification & Risk Assessment	SOx	Sulfur oxides
HSE	Health, Safety, and Environment	SS	Singapore Standards
IOGP	International Oil and Gas Producers Association	TRCF	Total Reportable Cases Frequency
IPIECA	International Petroleum Industry Environmental Conservation Association	UAE	United Arab Emirates
IQ	Industries Qatar	UK CARES	UK Certification Authority for Reinforcing Steels
ISO	International Organization for Standardization	WFE	Waste Free Environment Program

قطر ستيل
QATAR STEEL

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