



Ho-425-S

Dated: 21.08.2019

Manager – Department of Corporate Services,  
Bombay Stock Exchange Ltd.,  
Registered Office: Floor 25,  
P J Towers, Dalal Street,  
Mumbai 400 001

Dear Sir/Madam,

**Furnishing of Information as per**  
**SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015**  
**Scrip Code : 533033, Scrip Id: ISGEC**

**Investor Conference organized by IIFL Institutional Equities**

1. Pursuant to Regulation 30 of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, Schedule of Investor Conference, in which Mr. S. K. Khorana, Executive Director & Company Secretary and Mr. Kishore Chatnani, CFO of the Company will participate is:

Date & Time	Particulars	Type of Meeting	Venue
August 23, 2019 10:00 a.m. to 12:55 p.m.	IIFL Institutional Equities Conference	as per Schedule attached	The Oberoi, Gurgaon.

2. The information contained in the enclosed Presentation will be shared/discussed in the meeting with the Investors. A copy of the Presentation has been disclosed on the website of the Company.
3. The above is for your information and records please.

Thanking you,

Yours faithfully,  
For Isgec Heavy Engineering Limited

  
(S.K. Khorana)  
Executive Director & Company Secretary

Encl: as above

# IIFL Caravan - Pit-Stop:Delhi

## The Oberoi, Gurgaon

22nd & 23rd August, 2019



### ISGEC HEAVY ENGINEERING

Kishore Chatnani

23 Aug 2019

#### IIFL Shepherd :

Renu Baid

+91 9967044849

Time Slot	Client	Type	Venue
10.00am - 10.55am	<b>Sundaram MF</b> Ratish Varier	1x1	RR 3108
11.00am - 11.55am	<b>Amansa</b> Anshul Dosi <b>Shubhkam Ventures</b> Ankit Babel	Group Mtg.	RR 3108
12.00pm - 12.55pm	<b>India First Life</b> Alok Baadkar	1x1	RR 3108



**ISGEC HEAVY  
ENGINEERING LTD.**



**Q1FY20  
Investor  
Presentation**

Aug 2019

# Safe Harbor



This presentation and the accompanying slides (the “Presentation”), which have been prepared by Isgec Heavy Engineering Limited (the “Company”), have been prepared solely for information purposes and do not constitute any offer, recommendation or invitation to purchase or subscribe for any securities, and shall not form the basis or be relied on in connection with any contractor binding commitment whatsoever. No offering of securities of the Company will be made except by means of a statutory offering document containing detailed information about the Company.

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This presentation contains certain forward looking statements concerning the Company’s future business prospects and business profitability, which are subject to a number of risks and uncertainties and the actual results could materially differ from those in such forward looking statements. The risks and uncertainties relating to these statements include, but are not limited to, risks and uncertainties regarding fluctuations in earnings, our ability to manage growth, competition (both domestic and international), economic growth in India and abroad, ability to attract and retain highly skilled professionals, time and cost over runs on contracts, our ability to manage our international operations, government policies and actions regulations, interest and other fiscal costs generally prevailing in the economy. The Company does not undertake to make any announcement in case any of these forward looking statements become materially incorrect in future or update any forward looking statements made from time to time by or on behalf of the Company.



ISGEC HEAVY  
ENGINEERING LTD.



**Q1FY20  
Performance**

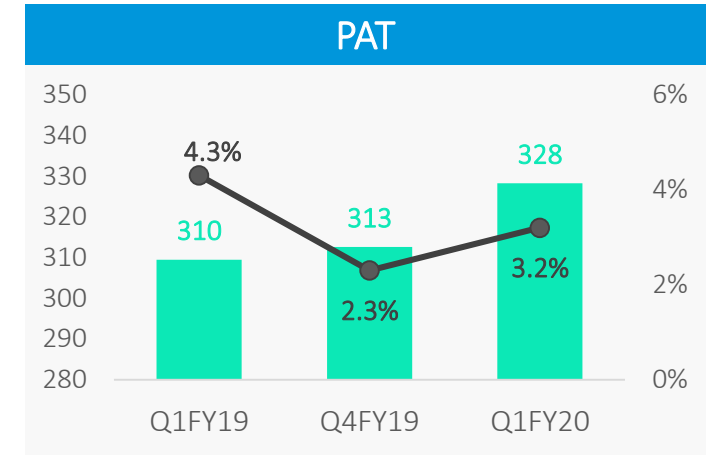
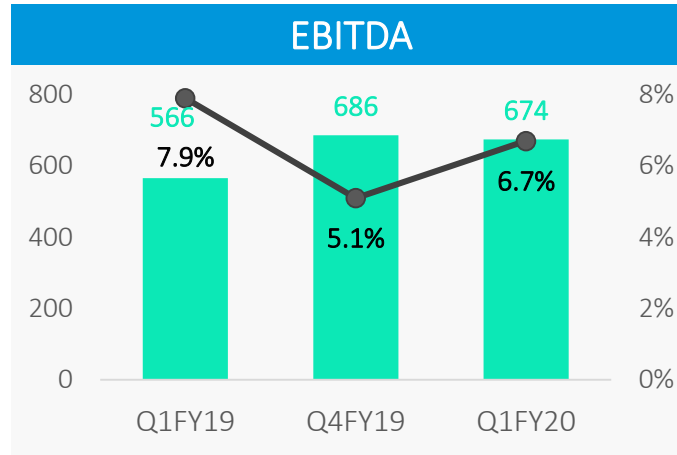
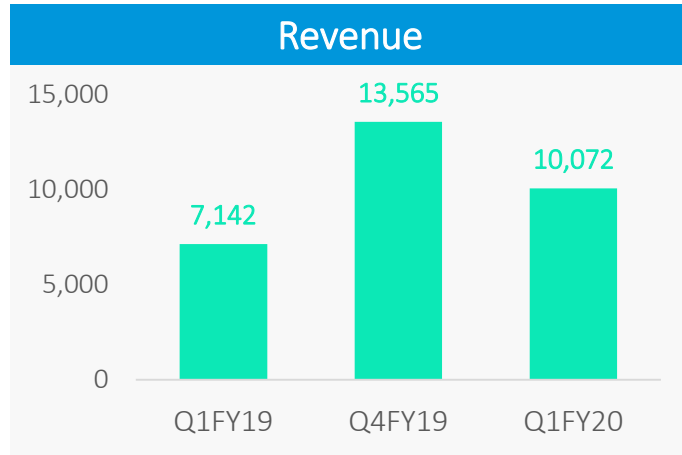
CCR Reactor for Kochi Refinery

# Standalone Q1FY20 Performance

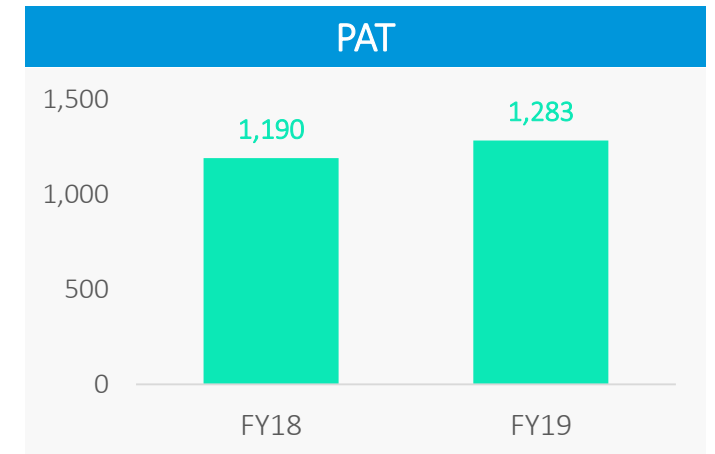
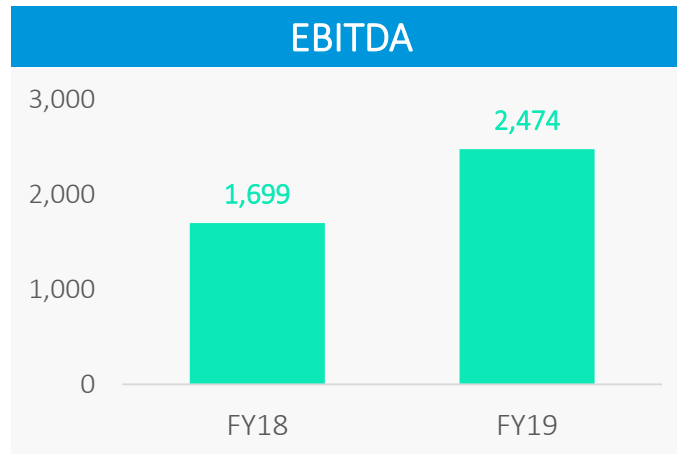
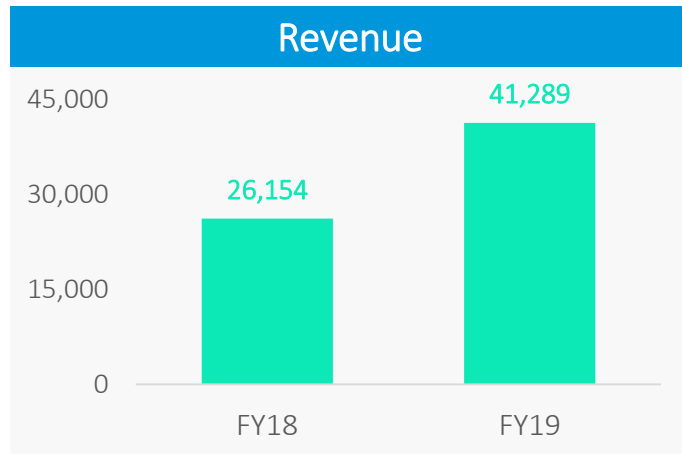


In ₹ Mn

Q1FY20



FY19



# Standalone Order Book



In ₹ Crore

Order Book	As on 30 <sup>th</sup> Jun 2019	As on 31 <sup>st</sup> Mar 2019	As on 31 <sup>st</sup> Mar 2018	As on 31 <sup>st</sup> Mar 2017
Manufacturing of Machinery Equipment	1,132	1,233	901	923
Engineering Procurement and Construction	6,460	6,789	4,798	3,061
Less Inter-Unit	-122	-125	-125	-92
Total	7,471	7,897	5,574	3,892

**Export Orders as on 30<sup>th</sup> Jun 2019 was Rs. 1,383 Crores.**

40 KLPD Distillery Plant with Slop Fired Boiler & Power Plant at Najibabad, India



ISGEC HEAVY  
ENGINEERING LTD.



Company  
Overview



# About us

Isgec is a diversified heavy engineering company engaged in the manufacture of process equipment, mechanical and hydraulic presses, alloy steel and Iron castings and in turnkey execution of projects for setting up boilers, sugar plants, power plants, material handling ,air pollution control equipment for customers in India and abroad.

Projects/Customers across **90** countries.

**85+** years of providing engineering solutions to customers globally.

# ENGINEERING FOR EXCELLENCE



## Business Segments

A significant global player across all business areas in

- Manufacturing
- Engineering, Procurement & Construction

## Serving diverse Markets & Industries

- Projects/ Customers located in 90 countries across 6 continents
- Industrial solutions and projects across a wide variety of critical sectors

## Strong manufacturing capabilities

6 state-of-the art manufacturing facilities including a coastal plant

## Global technology partnerships

An array of strategic technology tie-ups and joint ventures with global firms

## Robust Financials\*

Revenue (₹ Mn)

**41,289**

EBITDA (₹ Mn)

**2,474**

PAT (₹ Mn)

**1,283**

EPS (₹)

**17.45**

Order Book (₹ Mn)

**80,000**

\*FY19 Standalone

Coke Drum for IOCL, India



SS Tube Bundle for ExxonMobil

Titanium Tube Bundles for a Refinery



# Isgec group



## Isgec Heavy Engineering Ltd.

### Isgec Hitachi Zosen Ltd.

JV with Hitachi Zosen Corp., Japan to manufacture specialized & critical Process Equipment

51%

### Isgec Foster Wheeler Boilers Pvt. Ltd.

JV with Amec Foster Wheeler (now Sumitomo SHI FW Energia, Oy) for engineering of Boiler Projects overseas

51%

### Saraswati Sugar Mills Ltd.

With cane crushing capacity of ~13000 tcd, the sugar yield efficiency is amongst the highest domestically at ~11.5%.

100%

51%

### Isgec Titan Metal Fabricators Pvt. Ltd.

JV with Titan Metal Fabricators, USA for manufacture of corrosion-resistant reactive alloy process equipment

51%

### Isgec Redecam Enviro Solutions Pvt. Ltd.

JV with Redecam, Italy for manufacture, testing, commissioning for environmental solutions

100%

### Eagle Press & Equipment Co. Ltd.

Press manufacturing company in Windsor (Ontario) Canada

# Engineering for Excellence - our business segments



Process Equipment	Presses
Iron & Steel Castings	Built-to-Print Equipment
Boiler Tubes & Panels	Liquified Gas Containers

Sugar Plants & Distilleries	Bulk Material Handling
Air Pollution Control Solutions	Buildings & Factories
Industrial Boilers	Industrial Waste Water Treatment
Power Projects	

## Reactors

- Hydro processing Reactors
- Continuous Catalyst Regeneration (CCR) Reactors
- Naptha Hydrotreating (NHT) Reactors
- Ethylene Oxide (E.O.) Reactors

## Columns and Towers

Large diameter columns such as Vacuum Distillation Towers, Crude Distillation Towers, Wash Towers, etc

## High Pressure Vessels

- Hot & Cold HP Separators
- Inlet Separators

## Shell and Tube Heat Exchangers

- High Pressure Exchangers (Breech Lock Closure Type)
- Helical Baffle Type Heat Exchangers

## Boiler Drums & Pressure Parts

1000+ Boiler Drums which include 250+ High Pressure Boiler Drums

## Power Plant Equipment (Licensee of Foster Wheeler)

- HP & LP Feed Water Heaters
- Water Cooled Surface Condensers
- Steam Drums

## Sample Clients

- Shell
- British Petroleum
- KBR, USA
- GE
- Canada Natural Resources
- Amec Foster Wheeler, USA
- Linde, Germany
- ExxonMobil, Thailand
- Toyo, Japan
- Samsung, Korea
- Petrofac, UAE
- Qatar Petroleum
- Reliance Industries
- Bharat Petroleum
- GAIL
- GNFC
- GSFC
- Hindustan Petroleum
- Nuclear Power Corp of India
- Indian Oil Corporation
- Chennai Petroleum Corp. Ltd.



Breech Lock Closure Type Heat Exchanger for a Refinery in India

Cycle Gas Cooler for Petrochemical Project, USA



Helical Heat Exchanger for ExxonMobil, Thailand

## Range of Presses

- Hydraulic Press, Mechanical Press and Servo Press
- For Sheet Metal workings and other Applications

5000+ PRESSES

26 COUNTRIES

70+ PRESS LINES

## Sample Clients

- AK Pres
- Amvian
- Brandl Maschinenbau
- CIE Automotive S.A
- Ford Motors
- Franke
- Lear
- LuK
- Marubeni
- Toyota
- ThyssenKrupp
- Utaka
- Bharat Forge
- Force Motors
- Honda Motorcycle & Scooter
- Mahindra & Mahindra
- Maruti Suzuki
- TVS Group

## ISGEC REACH

- **Personalised feedback** – Presses/ Press lines operating on customer shop floor remotely linked to Isgec for constant monitoring & feedback
- **Predictive maintenance** – DIY Parts Replacement, through 'part-specific' video tutorial
- **Proactive Prompts** – Video Surveillance with timely suggestions help fine-tune the operational aspects
- **Parameter Monitoring** – Embedded technology for collection & online exchange of data



Tandem Press Line for JBM Group, India

Transfer Press for Big Rapids Products, USA



## Materials

- Stainless Steels
- Creep Resistant Steels
- SG Iron
- Ni-Hard
- Manganese

## Capacity (single piece weight)

- Carbon Steels : Upto 50 MT
- Alloy Steels : Upto 40 MT
- Grey & Alloy Iron : Upto 30 MT

## Steam & Gas

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>• Siemens – Brazil, Germany, India</li> <li>• GE Energy, USA</li> <li>• Skoda, Czech Republic</li> <li>• Alstom, Germany</li> <li>• Bruno Presezzi, Italy</li> <li>• Fincantieri, Italy</li> <li>• Ansaldo, Italy</li> </ul> | <ul style="list-style-type: none"> <li>• Franco Tosi</li> <li>• MAN Turbo, Germany</li> <li>• Toshiba, Japan</li> <li>• ABB, Japan</li> <li>• BHEL, India</li> <li>• L&amp;T MHI, India</li> <li>• Triveni, India</li> </ul> |
|---|--|

## Hydro Turbine

- GE Hydro - Canada, China
- Voith Hydro - Canada, India
- Alstom - Brazil, India
- Andritz - USA, India
- BHEL - India
- IMPSA - Argentina, India
- VAP Hydro -Bulgaria

## Valves, Pumps & Others

- |   |   |   |
|---|---|---|
| <ul style="list-style-type: none"> <li>• Dresser Rand, USA</li> <li>• Weir Engg. Dubai</li> <li>• Norcast Pty, South Africa</li> <li>• Biscom, Philippines</li> <li>• Tyco FCT, France</li> </ul> | <ul style="list-style-type: none"> <li>• Heim, USA</li> <li>• Pibiviesse, Italy</li> <li>• Cooper Cameron, Italy</li> <li>• Fletcher Smit, UK</li> <li>• Downer Engg., Australia</li> </ul> | <ul style="list-style-type: none"> <li>• CCM Fertilizer, Malaysia</li> <li>• Tata Steel, India</li> <li>• Kirloskar, India</li> <li>• BHEL, India</li> <li>• L&amp;T Valves, India</li> </ul> |
|---|---|---|

Sample  
Clients



IV CV Casing



Steam  
Turbine-  
Outer Casing

Pelton Runner



Pump Casing



## Built-to-Print Equipment Manufacturing

- Custom job shop specializing in building Heavy Equipment to client specifications
- Equipment under third party inspection by International agencies like Lloyds, TUV, SGS, Inspectorate Holland

### Sample Clients

- L&T Mitsubishi Heavy Industry, India
- SMS Siemag, Germany
- Danieli, Italy
- DSD Noel, Germany
- Davy Ashmore, UK
- Mecon, India,
- VAC Metals, UK
- Morgan, USA
- Mitsubishi, Japan
- IHI, Japan
- Clecim, France
- Skoda, Czech Republic
- Wean United, USA
- Siemens VAI, Austria
- Paul Wurth, Luxembourg
- Bronx, UK
- Andritz, Austria
- GE, USA
- Voith Hydro, Germany
- Rexroth Bosch, Netherland
- Hitachi Zosen Corp., Japan
- Loesche, Germany

Mill stands, as per design of Loesche, Germany



Fume Hoods, designs of Clecim, France & Davy Ashmore, UK



Proton Beam  
Gantry

# Manufacturing Boiler Tubes & Panels

Manufacture & supply of a wide variety of Boiler Pressure parts and Piping Spools & Skids

## Boiler Pressure parts

- Coils (Super Heaters, Economizers, Evaporators etc.)
- Membrane Wall Panels
- Headers
- Boiler Bank Tubes

## Assemblies & Bundles

- HRSG Modules
- Super Heater Bundles
- Evaporator Bundle Assembly
- Fire Heater Bundles

## Pre-Fabricated Piping Spools

- Power Plant Piping
- Process Piping
- Induction Pipe bends
- Cold Pipe Bends Assembly

## Sample Clients

- CMI
- Toshiba
- Alstom
- GE
- Doosan
- MAN Diesel
- Larsen & Toubro
- Hitachi Zosen Corp.
- BPCL
- BHEL
- Indian Oil
- Aditya Birla Group
- Nestle
- Reliance
- IFFCO
- BORL
- GAIL
- TATA
- Lurgi
- HMEL
- SAIL

Membrane Panel with Evaporator Coil Assembly



Primary Super Heater Header



Economizer Bundle Assembly



# Manufacturing Liquefied Gas Containers

World's largest fabricator of liquefied chlorine transport containers

- Production capacity of around 9000 nos. per annum
- US Patent awarded for the design & technique for manufacturing of Model 'D' Chlorine Containers
- Model 'D' Chlorine Container is approved by the US Department of Transportation & Transport Canada
- Design approved by Lloyds Register
- Patents awarded for design & techniques for manufacturing of Containers – India, US, Mexico, China

3,00,000+  
Containers in

60+ Countries



ASME- Convex  
to Pressure/  
Chimed Ends



Refrigerant Gas  
Container for DOT



Concave to Pressure  
for DOT & Transport  
Canada

# Engineering & Projects

## Sugar Plants & Distilleries

### Turnkey Sugar Plants & Distilleries

- Concept to Commissioning of Complete Cane Sugar Plants with Co-Generation and Distillery plants
- Major Expansions, Balancing, Rehabilitation of plants
- Complete Process House equipment for producing Raw Sugar, Household White sugar, Plantation White sugar, Refined sugar EU grade
- Process Automation
- Steam and Energy saving devices

**175+** Sugar/Distillery/Refinery  
Projects

**700+** cane crushing mills

**47** countries

Extensive experience of operating our  
own sugar mill – Saraswati Sugar Mills

- Sample Clients**
- White Nile Sugar Company Ltd., Sudan
  - Durrah Advance Development Company, Saudi Arabia
  - Wonji Shoa Sugar Factory, Ethiopia
  - Agroaurora S.A, Peru
  - Addax Bio Energy, Sierra Leone
  - Kwale International Sugar Co. Ltd., Kenya
  - Phung Hiep Cane Sugar Factory, Vietnam
  - PT SMS, Indonesia
  - Bajaj Hindustan Ltd., India
  - Balrampur Chini Mills, India
  - U.P Cooperative Sugar Federation Ltd., India
  - HPCL Biofuels Ltd., India

### Distillery

- DSCL Sugar
- Kisan Sahakari Chini Mills Ltd.
- Dalmia Bharat Sugar & Industries Ltd.
- Dwarikesh Sugar Industries Ltd.
- Shri Sai Priya Sugars Ltd. (a unit of Nirani Group)

24000 TCD Process House for White Nile Sugar Company, Sudan



Sugar Plant with 15MW Co-Generation for Kisan Sahakari Chini Mills, India



Distillery for DSCL



## Boiler Technologies

- PC Boilers
- Bagasse & Biomass
- Oil & Gas
- Atmospheric / Bubbling Fluidised Bed Combustion
- Circulating Fluidised Bed Combustion Boilers (CFBC)
- Waste to Energy
- Waste Heat Recovery

**800+** High Capacity and High Pressure Boiler installations

**48** countries

- **Retrofits & Modernizations (R&M)** – includes Capacity Enhancement, Multi Fuel Conversion, Technology upgrades (DG to TG, TG to AFBC ), Refurbishment of Boilers
- **Field Services** – includes Feasibility Study, RLA of Boilers, Efficiency Enhancement, Annual Maintenance Contract (AMC), O&M Training
- **Spares** - Wide range of spares for all type & makes Boilers

- Lamson Group, Vietnam
- TPC Ltd., Tanzania
- Kakira Sugar Works Ltd., Uganda
- Mitr Phol Sugar Corp. Ltd., Thailand
- Aldebaran Energia Del Gaudalquivir S.L., Spain
- Ingenio Magdalena S.A. Guatemala
- Addax Bio-Energy Ltd., Sierra Leone
- Longview Power Project, USA
- Nestle Qingdao Ltd., China
- WARAQ Paper, Saudi Arabia
- Enka De Colombia S.A., Colombia

- Dalmia Cement (Bharat) Ltd., India
- Hindalco Industries, India
- Triveni Group, India
- Balarampur Group, India
- Bajaj Hindustan Ltd., India
- Dhampur Sugar Mills Ltd., India
- Nirma Ltd., India
- Ambuja Cement Ltd., India
- GAIL India Ltd., India

## Sample Clients

AFBC Boiler



Oil & Gas Fired Boiler



# Engineering & Projects

## Air Pollution Control Solutions

### Air Filtration - Electrostatic Precipitators (ESP)

- Exclusive license agreement with Envirotherm GmbH, Germany, (holder of Lurgi ESP technology)
- Design, Engineering, Manufacturing and Commissioning of ESPs up to 1000 Mw to customers globally

### Air Filtration (Bag Filters)

- Used in Cement, Steel, Material handling etc.

### Denitrification (DeNOx)

- Exclusive Licensing Agreement with Fuel Tech, USA for Selective Non Catalytic Reduction (SNCR) Systems for Power and Industrial Applications

### Flue Gas Desulphurisation (FGD)

- Dry & Wet FGD systems for the Cement, Power and Metals industry

- Generadora Chinchontepic, S.A.DE C.V, El Salvador
- Cosumar, Casablanca, Morocco
- KMRI-SMG Asset Company, Sri Lanka
- Tokyo Eastern Cement Company, Sri Lanka
- La Grecia, Honduras
- TicoFrut, Costa Rica
- Casur, Nicaragua
- VNT19 Pulp-Paper Joint Stock Company, Vietnam
- West Kenya Sugar Ltd., Kenya
- Precise Smart Life Co. Ltd., Thailand
- PT Tereos FKS, Indonesia
- Consolidated Farming Ltd., Zambia

- OPG Power Generation Pvt. Ltd., India
- Gujarat Fluorochemicals Ltd., India
- United Phosphorus Ltd., India
- JK Tyre and Industries Ltd., India
- Welspun, India
- GSK Consumer Healthcare Ltd., India
- Walchandnagar Industries Ltd., India
- Jindal Worldwide Ltd., India
- Gallantt Ispat Ltd., India
- Saint Gobain India Pvt. Ltd., India
- Bodal Chemicals Ltd.
- Adani Wilmar Ltd., India
- NTPC SAIL, India
- MRF, India

### Sample Clients

ESP, 180MW Coal based Power Plant for OPG Power, India



ESP, Power Plant for Bhubaneswar Power Pvt. Ltd., India



### Engineering, Procurement, Construction (EPC)

- EPC division is the leader in power plants of up to 100MW
- Independent Power Plants (IPPs)
- Cogeneration
- Boiler & Steam Turbine Generator (BTG)
- Balance of Plants (BOP)
- Bulk Material Handling Projects (at Ports, Mines & Coal Handling for Utilities)
- Buildings & Factories
- Industrial Waste Water Treatment

### Sample Case Study

#### Summary

- 24,000 TPD Sugar Plant with 104 MW Co-Gen Power Plant on EPC Basis
- Value: ~INR 1000 Cr
- Commissioned in Jan 2014

#### Highlights

- 50,000 MT Steel, 250 MT Electrodes
- 90,000 m of steam & process piping
- 4 km of material handling system
- 9 km optical fiber and 70 km control cables, 140 km power cable
- 360,000 sq. m plant machinery area
- 1900 containers, 60,000 sq. m of break bulk cargo



36 MW Power Plant on EPC basis at Shirol, India



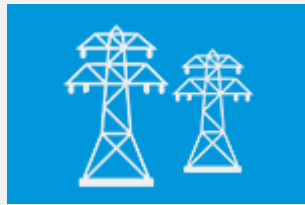
Material Handling



# Our products, services & projects cover a wide spectrum of industries

## Manufacturing

Power



Oil & Gas



Fertilizer



Steel



Cement



Automobiles



Defence



Sugar



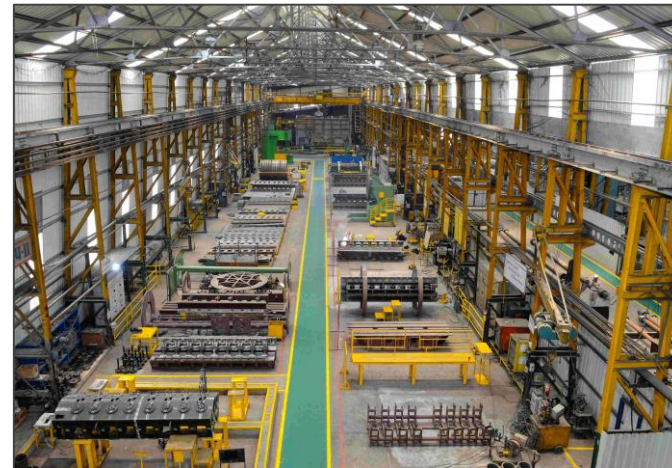
Chemical



Engineering, Procurement & Construction

# Delivered through state-of-the-art infrastructure & manufacturing capabilities...

Plant Location	Items Manufactured
Yamunanagar, Haryana	Pressure Vessels & Heat exchangers, Presses, Boilers, Containers, Castings, Sugar and other Industrial Machinery
Ratangarh, Haryana	Boiler Components
Dahej, Gujarat (with Ro-Ro Jetty)	Pressure Vessels, Columns, Heat Exchangers
Muzaffarnagar, U.P	Castings
Bawal, Haryana	Mechanical Presses and other Industrial Machinery
Windsor, Canada	Presses



Dahej Shop

Yamunanagar Shop

Ratangarh Shop

# ...while adhering to global quality benchmarks

## APPROVALS

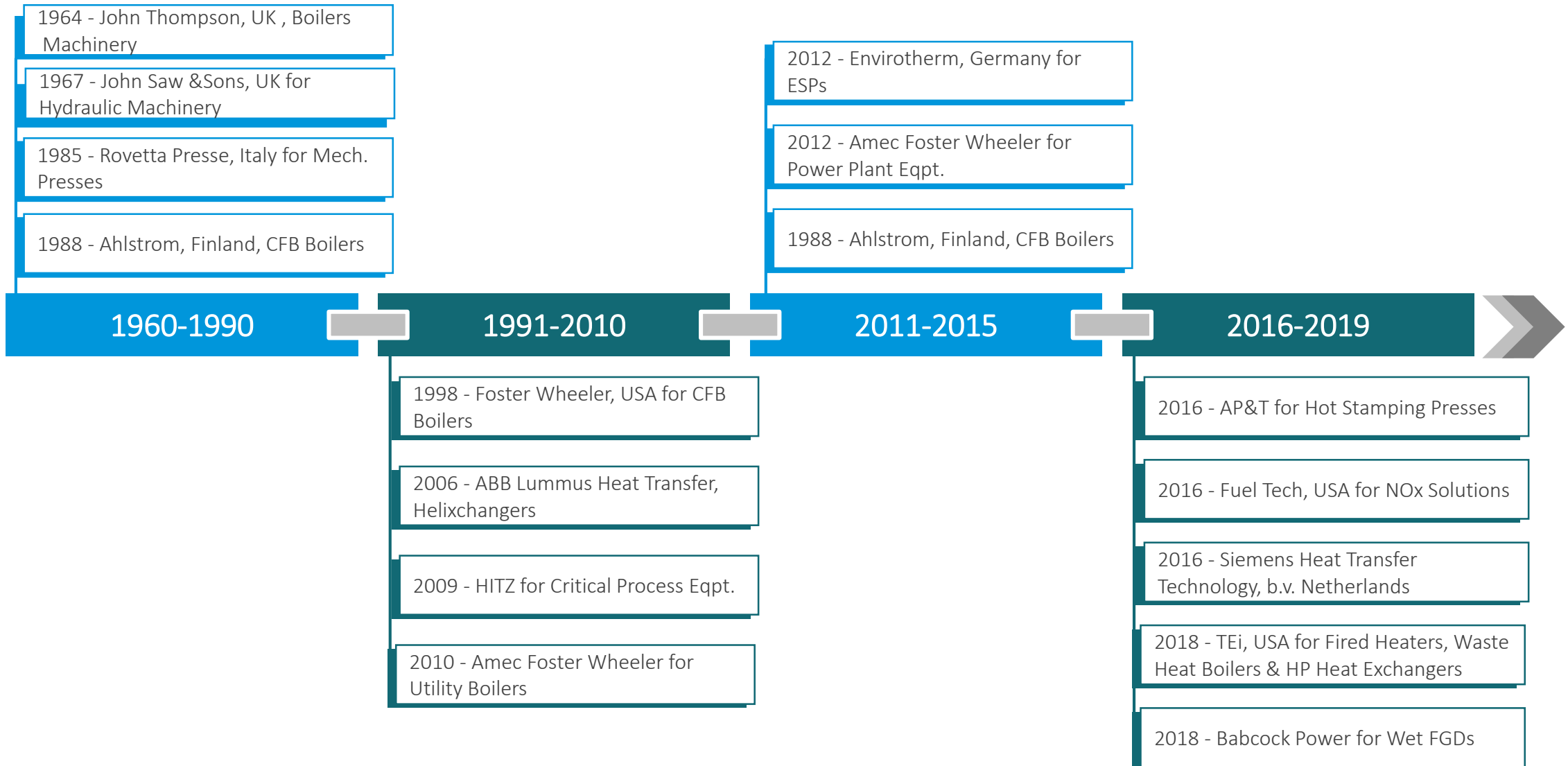
- ✓ CE Marking
- ✓ ISO 9001:2008 Quality Management System - Approved by Lloyds Register of Quality Assurance
- ✓ ISO 14001:2015 Environment Management System - Approved by DNV GL Business Assurance
- ✓ ISO 45001:2018 Occupational Health & Safety Management System
- ✓ ASME 'S' 'U' 'U-2' & 'U-3' Stamps
- ✓ ASME 'N' and 'NPT' Stamps
- ✓ National Board, USA, 'R' Symbol
- ✓ National Board, USA, 'NB' Mark
- ✓ Approval by Lloyds as a Class I fabricator of Fusion Welded Pressure Vessels up to 300 mm (12") thickness
- ✓ Lloyd's Approved Foundry from Lloyd's Register of Shipping, London
- ✓ Department of Transportation (DOT), USA approval for Liquefiable Gas Containers
- ✓ China Safety Quality License

## SOME EXTERNAL INSPECTION AGENCIES

- ✓ Lloyd's Register
- ✓ Bureau Veritas
- ✓ Det Norske Veritas (DNV)
- ✓ TUV
- ✓ Velosi Certification Services
- ✓ SGS Inspection
- ✓ Bax Council
- ✓ Engineers India
- ✓ Chief Inspector of Boilers (CIB)



# Constantly building technology expertise through global strategic partnerships



# Well positioned for the next phase of growth...

## Our Evolution

Fabrication led

Technology Led

Equipment  
Manufacturer

Total Solution  
Provider

Domestic

Global

## Business Strategy

### Diversified Portfolio

- ✓ Manufacturing & EPC Business
- ✓ Domestic & Export revenues
- ✓ Wide Spectrum of Industry sectors

### Improve Profitability

- ✓ Enhancing Operational Efficiency
- ✓ Technology-led Process Improvements
- ✓ Value Engineering
- ✓ Design to Cost

### Expansion into Futuristic Business Lines

- ✓ Isgec REACH 4.0 (Industry 4.0)
- ✓ CFB Boilers
- ✓ Hot Stamping & Servo Presses
- ✓ Air Pollution Control Solutions
- ✓ Exotic Metal Fabrication

# ... and ready to tap into key opportunities across sectors

- A growing sugar consumption market in India
- Revival of sick sugar units
- Exports to South-East Asian countries
- Capex investments for conversion of plant from Plantation white sugar to sulphur less refined sugar
- Retrofits, spares, O&M for the existing sugar mills

Leveraging technology to bring in efficiency improvements for sugar manufacturing industry globally

Air Pollution Control solutions opportunity

- New Environmental norms from MoEFCC for Thermal Power Plants
- Requisite emission control equipment to be installed by Dec'22

E-10 policy - Higher blending mandate (10%) will drive capacity increase for bio ethanol

Change in Emission norms in many Southeast Asian countries

- Turnkey EPC contracts in material handling – especially port handling, coal handling and ash handling
- Long distance, cross country conveyer projects for mines

Emission-level reforms in India to drive demand for high-efficiency Boilers

- CFBC boilers – Refineries
- HRSG – Fertiliser plants
- Rice Straw Boiler
- SLOP Boilers

- Demand for specialised and critical process equipment for fertiliser plants
- GoI investment to revive fertiliser plants - aims to increase the production of urea ; to end imports by 2022

Waste water treatment projects for various industries located on river banks (stringent pollution norms) and from river cleaning projects.

Increasing use of Waste Heat Recovery Systems (WHRS) by petroleum, metal, cement, chemical, industries

- Country to continue enhancing petrochemicals & refining capacity
- Implementation of grassroots refineries at Rajasthan and West

Isgec has in-house capabilities and strategic technology tie-ups in each of these opportunity areas –  
Across Manufacturing & EPC segments



ISGEC HEAVY  
ENGINEERING LTD.

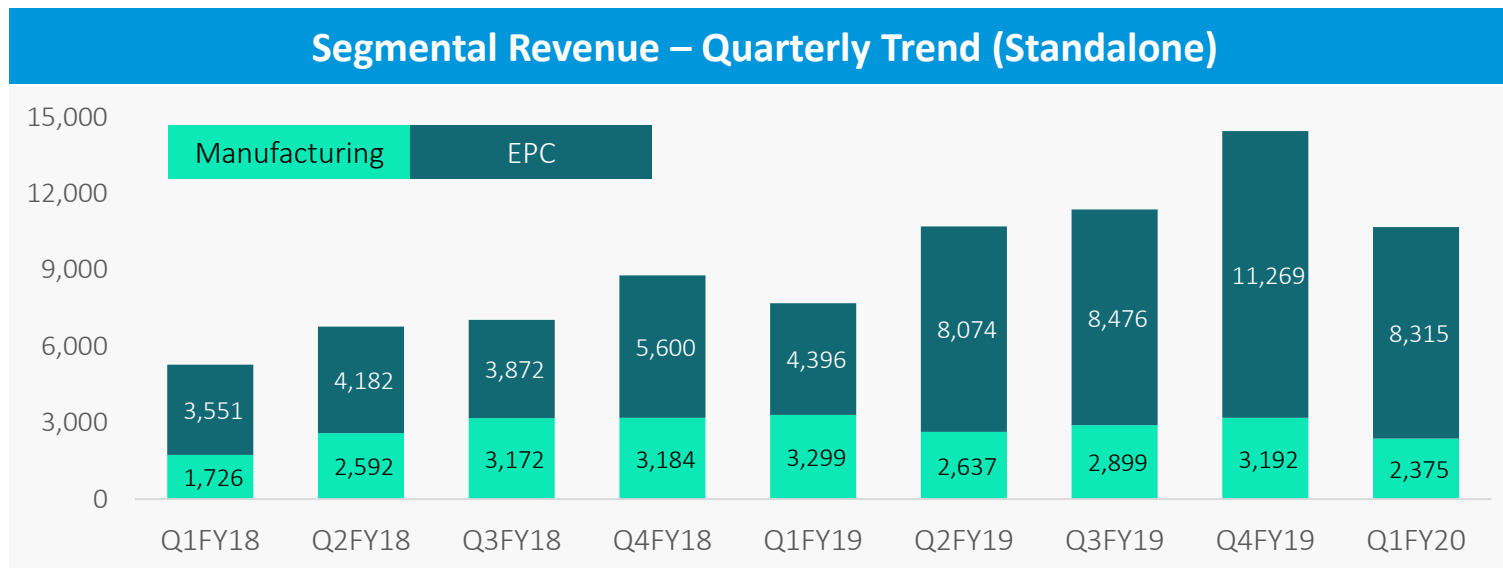
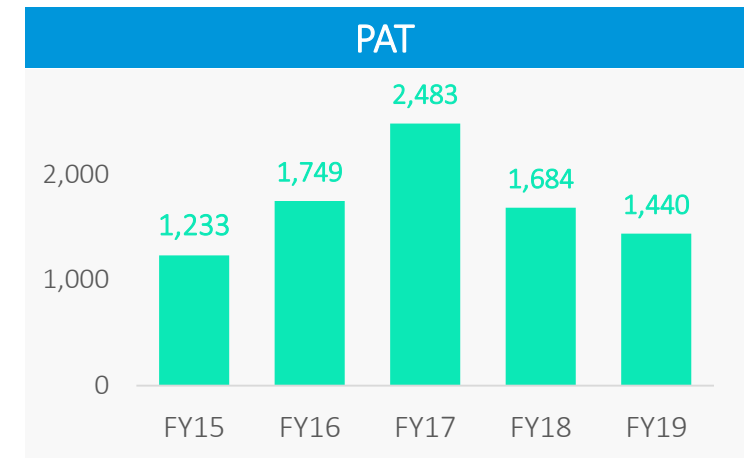
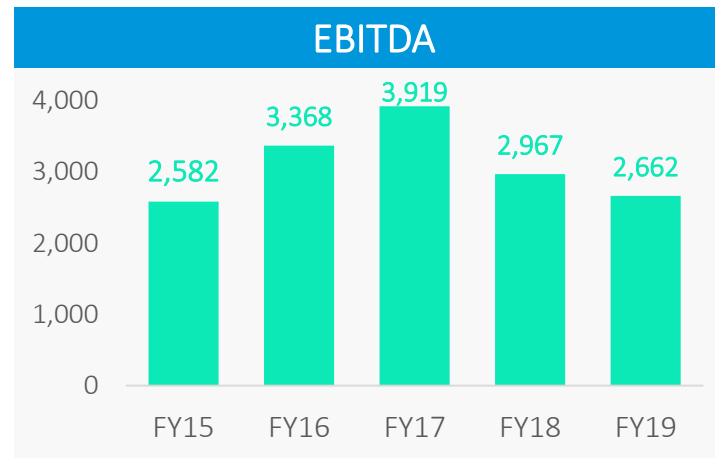
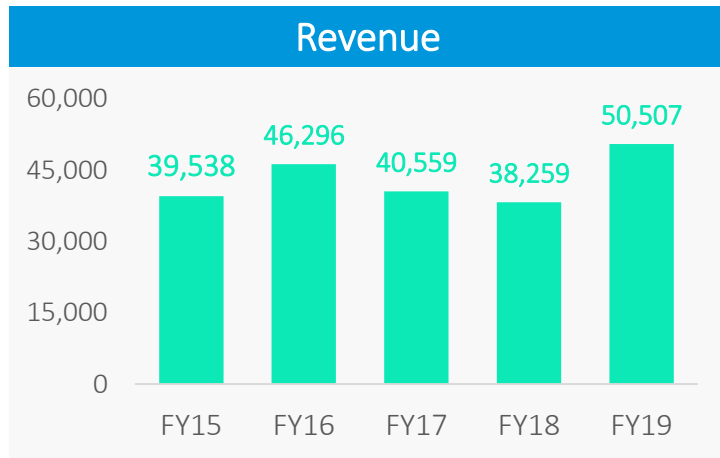


Financials

# Robust Financial Performance- Consolidated



In ₹ Mn

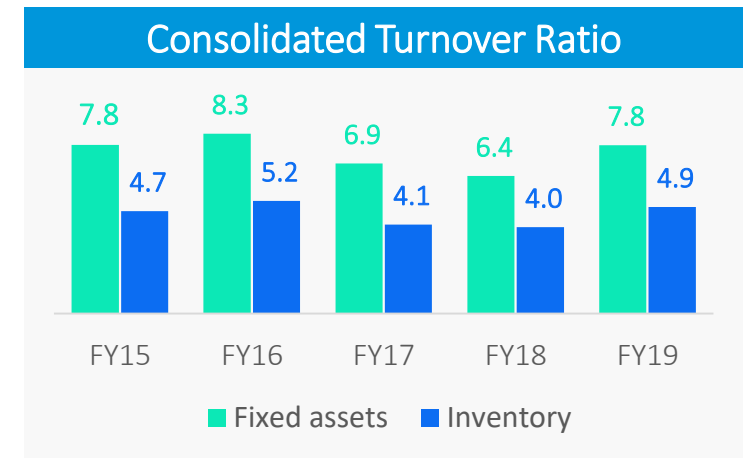
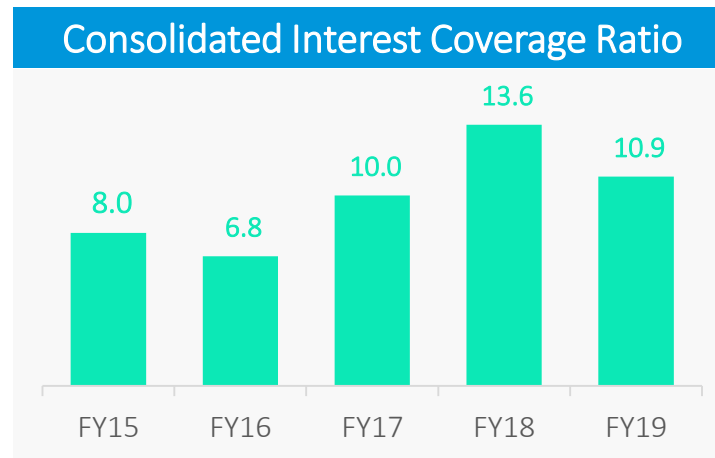
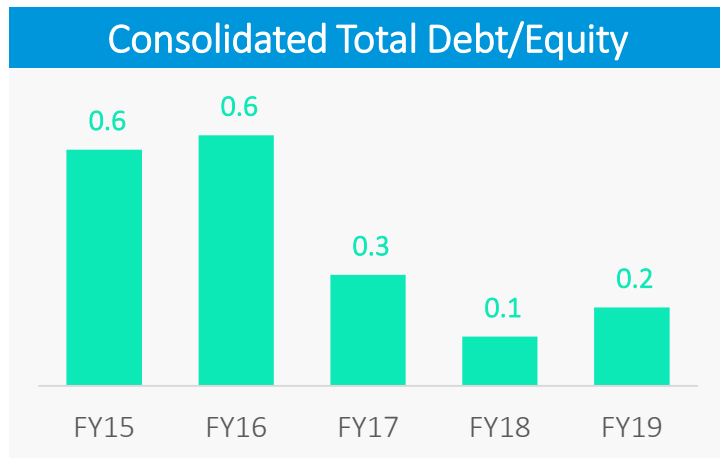
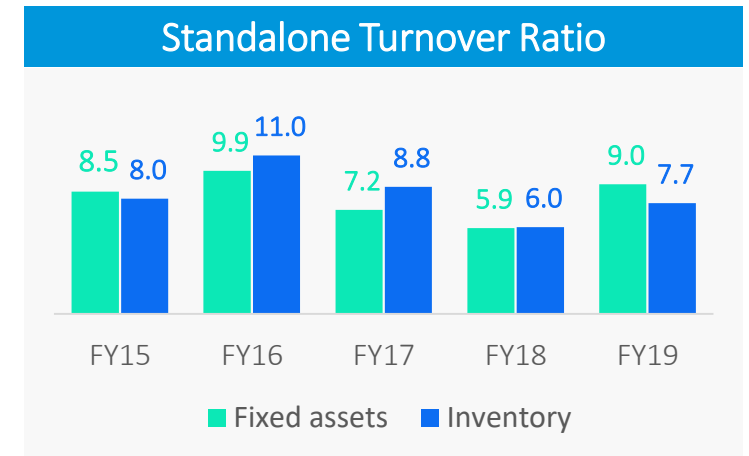
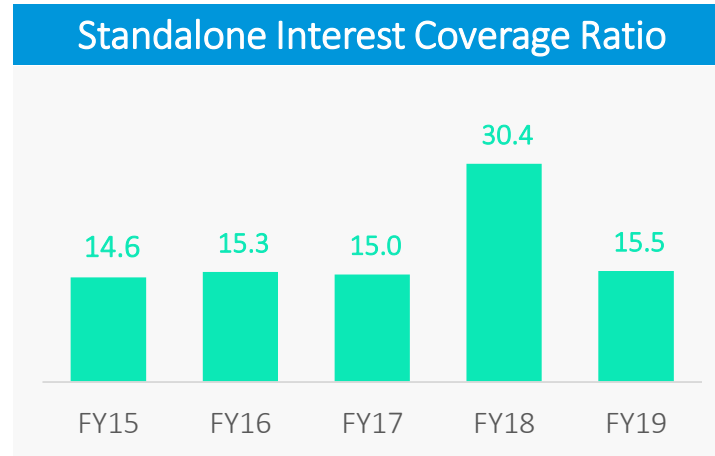
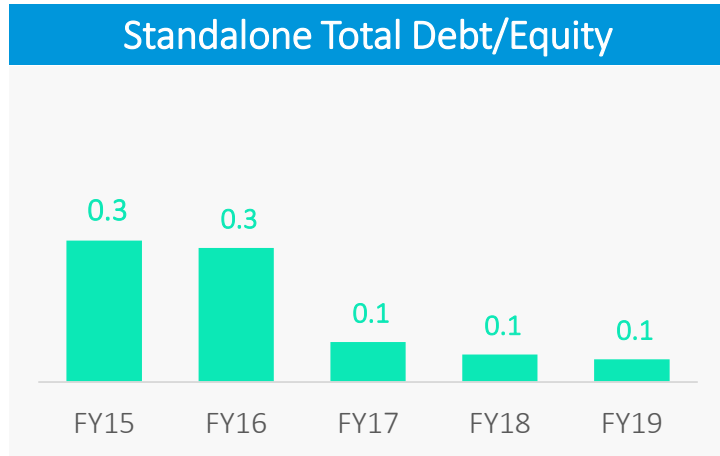


### Rankings

ET 500	329 (Dec 2018)
Fortune India 500	321 (Dec 2018)
Business Today 500	373 (Nov 2018)
FICCI 500	161 (Feb 2018)

Effective from 1st April.2018 the Segment reporting is as - 1. Manufacturing 2. Engineering Procurement and Construction.

# Strengthening Balance sheet



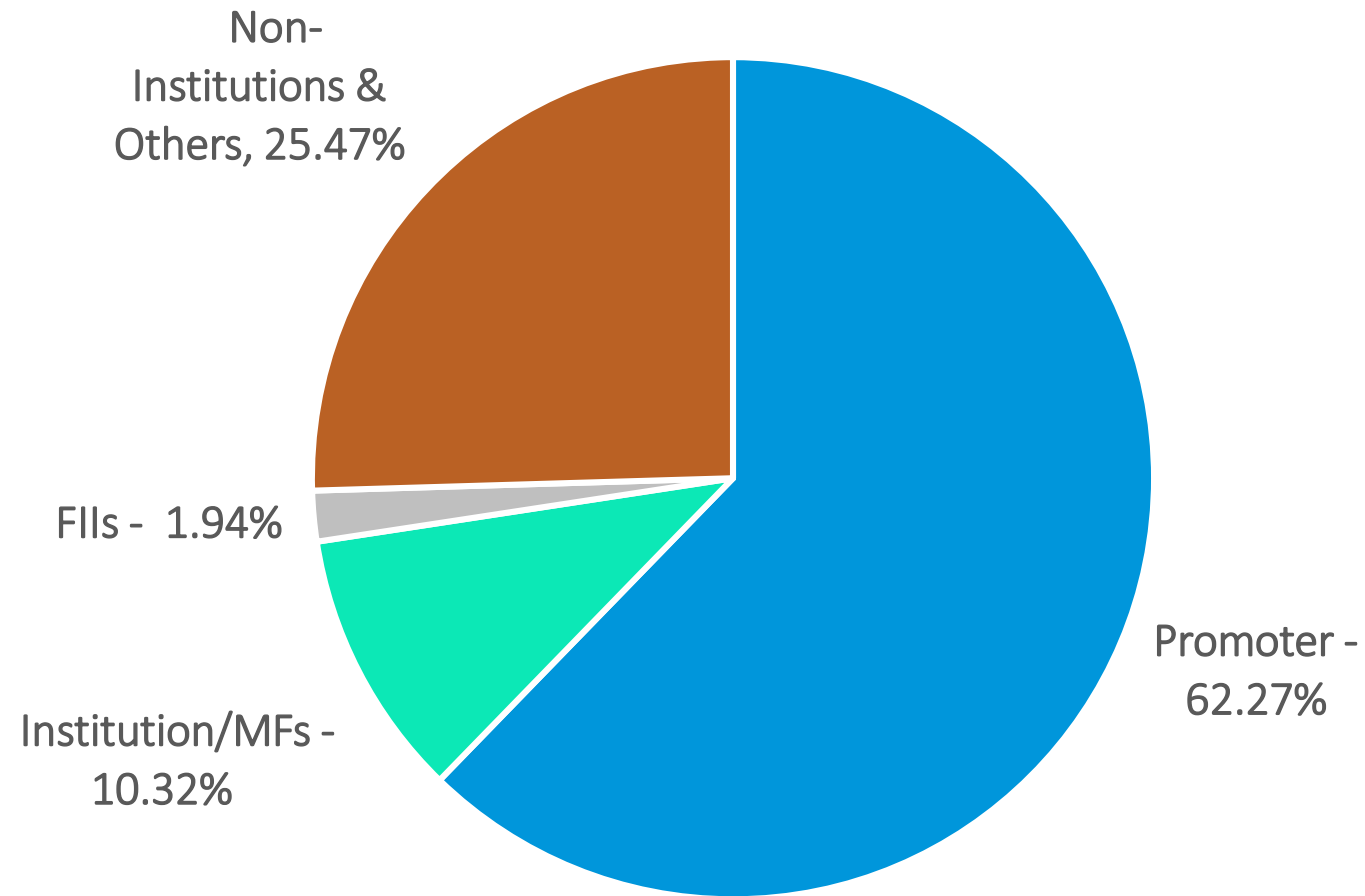
Total Debt includes all interest bearing liabilities.

Interest coverage ratio= EBIT/Interest

Fixed asset turnover= Operating Revenue/Average fixed assets, Inventory turnover= Operating Revenue/Average Inventory

# Shareholding Pattern

As on 30 Jun, 2019





ISGEC HEAVY  
ENGINEERING LTD.

**ISGEC HEAVY ENGINEERING LIMITED  
INDIA**

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Radaur Road, Yamunanagar - 135001, Haryana, India

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Power Plant on EPC basis at Shirol, MH, India

