

June 13, 2019

To,
BSE Limited
The Corporate Relationship Dept.
P.J. Towers,
Dalal Street,
Mumbai – 400 001

BSE Company Code: 500214

Dear Sir/ Madam,

Sub: **Submission of Analyst / Investor Presentation**

Pursuant to Regulation 30(6) read with Part A of Schedule III of the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015, please find enclosed presentation being made to Analyst / Institutional Investor to discuss the Financial performance of the Company for the financial year 2018 - 2019.

The aforesaid information is also disclosed on website of the company i.e. www.ionindia.com

Kindly take the information on record.

Thanking You,

**Yours faithfully,
For Ion Exchange (India) Limited**



**Milind Puranik
Company Secretary**

INVESTOR PRESENTATION - JUNE 2019



To be the leader in our business
which is so vital to people's lives and the environment.



EXECUTIVE SUMMARY

COMPANY OVERVIEW

BUSINESS OVERVIEW

FINANCIAL OVERVIEW

EXECUTIVE SUMMARY



Executive Summary

OVERVIEW

- Ion Exchange (India) Ltd (Ion Exchange), formed in 1964, is a pioneer in water, waste water treatment & environment solutions and caters to various industries, homes & communities.
- Headquartered in Mumbai, the company has six manufacturing & assembly facilities across India, and one each in Bangladesh and UAE. It also has presence across other key geographies.
- Installation: 1 lakh globally; 500+ in core sectors.

FY19: Total Income*
INR 11,956 Mn

BUSINESS & REVENUE (%) MIX - CONSOLIDATED

- **Engineering (56%)** – Provides comprehensive and integrated services and solutions in water & waste water treatment including Sea Water desalination, Recycle and Zero liquid discharge plants to diverse industries.
- **Chemicals (35%)** - Provides a comprehensive range of resins, speciality chemicals and customized chemical treatment programmes for water, non-water and specialty applications.
- **Consumer Products (9%)** – Caters to individuals, hotels, spas, educational institutions, hospitals, laboratories, railway and defence establishments providing safe drinking water and a clean environment.

FY19: EBITDA*
INR 1,399 Mn

MARQUEE CLIENTS

- **Industrial** – NTPC, NPC, Reliance, IOCL, JSW, CPCL, L&T, Essar group, IRCTC, BHEL, Tata Group.
- **Institutional** – Leela, Military Engineering Services, Taj Hotels, Holiday Inn, Hyatt Regency, Oberoi Hotels, Apollo Hospitals, Escorts Heart Institute, DLF, Puravankar.
- **International** – Cargill, Technip France, Unilever Group, Jurong, Thyssenkrupp (Uhde), Jacobs, Kawasaki, Mitsubishi, PDO Oman, Emirates Steel, IKPP Indonesia.

FY19: PAT*
INR 659 Mn

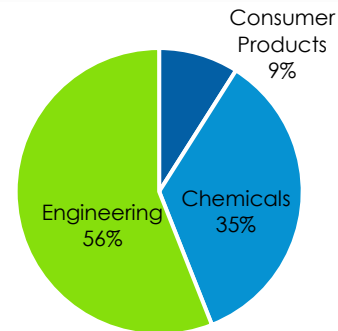
COMPANY OVERVIEW



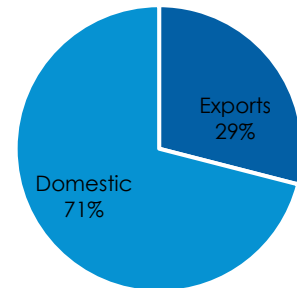
Company Overview

- Ion Exchange was originally formed as a subsidiary of Permutit, UK in 1964. It became a wholly owned Indian company in 1985. The company is currently in its 55th Year of operations.
- The company has expanded its footprints globally and possesses a diversified product range. It offers one stop water and non-water treatment solutions catering to diverse segments like infrastructure, industry, institutions, municipal, homes and communities, urban and rural.
- The company offers a wide range of solutions across the water cycle from pre-treatment to process water treatment, waste water treatment, recycle, zero liquid discharge, sewage treatment, packaged drinking water, sea water desalination etc.
- The company is also engaged in manufacturing ion exchange resins, speciality chemicals for water and waste water treatment as well as non-water applications.
- It has two facilities for in-house R&D and two applications and testing centers.
- The company has over 50 patents to their credit and 100+ products commercialized.
- The company has a global presence apart from presence in major cities in India with sales & service centers and dealer network of more than 100.
- The company exports to Africa, Japan, Middle East, Russia, South East Asia, Europe, UK, USA, Canada and neighbouring countries.

REVENUE BREAK UP FY19*



GEOGRAPHICAL BREAKUP FY19*



*Consolidated

Key Management Personnel



Rajesh Sharma, Chairman & MD

- Joined in 1974.
- Experience in Sales, Marketing, International Business Management.
- More than 4 decades of experience in Water Treatment Industry.

MANAGEMENT TEAM

- **Aankur Patni**
Executive Director
- **Dinesh Sharma**
Executive Director
- **Ajay A. Popat**
President – Corporate
Diversification, Technology &
Marketing
- **N. M. Ranadive**
Executive VP - Finance
- **Dinesh Sadasivan**
Executive VP – Standard
Systems, CSD & Services
- **S. V. Mehendale**
Executive VP – Resins &
Membranes
- **S. N. Iyengar**
Executive VP – Medium Industry
- **Anil Khera**
Executive VP- Chemical
- **Vasant Naik**
Sr. VP – Finance
- **Prashant K. Chitnis**
Sr. VP – Technology
- **J. P. Pathare**
Sr. VP – International Division
- **C. K. Sandeep**
Sr. VP – Environment

Key Milestones

1964

Incorporated as 60% subsidiary of Permutit Co., U.K.

1965

Resin Production and equipment facility started at Ambarnath.

1977

Listed on BSE.

1978

First company to launch RO concept in India.

1979

Resin manufacturing plant set-up at Ankleshwar.

1982

Engineering and fabrication setup started at Hosur.

1983

Industrial Chemical Production started at Patancheru.

1986

Zero-B Launched with Suraksha tap attachment.

1987

Started manufacturing RO membranes at Halol.

1996

First sea water RO desalination plant in India at GEB, Sikka.

1998

Consumer products manufacturing started at Goa.

2010

Commissioned largest RO based water desalination plant.

2015

Contract for Water supply project worth USD 194 mn signed with Sri Lanka Water Board.

2017

Integrated and automated reverse osmosis membrane manufacturing process at Verna, Goa.

Global Footprint



Domestic Footprint



Research And Development



Strong focus on R&D



Well established in-house R&D department since 1965



Recognized by Department of Scientific and Industrial Research (DSIR), New Delhi

For Chemicals at Patancheru, Telangana

For Engineered Products & Systems at Vashi, Maharashtra



Product application and testing centers with numerous patents to their credit

Over 50 patents

Over 100 products launched



Awards & Accolades



**Water Digest
Water Award
(UNESCO)**



**2015-16
Chemtech CEW Leadership
& Excellence Award**



**4 TIMES IN A ROW
Mera Brand Awards for Zero
B- Most Preferred RO Brand**

3 TIMES
Best
Water Solutions
Provider

8 TIMES
Best
Water Company
with Unesco

2015-16
Best
Water Treatment
Solutions Provider

4 TIMES
Best
Water Treatment-
Chemicals

3 TIMES
Best
Water Treatment
Project - Industrial

2015-16
Construction
Week
Runner-up

2010
VOICE
OF CUSTOMER-
Water Treatment
Chemicals

India Excellence in
Chemicals,
Materials &
Foods Award

Key Strengths

1 Design, Engineering and supply of water, waste water treatment and recycle plants on turnkey, BOT and EPC basis.

2 Largest one stop shop water solution's provider in Asia.

3 Global footprint with exports to several African, European and Middle East countries as well as to UK and USA.



4 50 years of pan India presence.

5 Manufacturer of chemicals and ion exchange resins in ISO 9001, 14001 and OHSAS 18001 certified facilities.

6 Comprehensive 24/7 support ensures continuity.

Engineering

- Increased exposure to international markets.
- Selectively target Infrastructure and Municipal projects.

Chemicals

- Export of resins and development of new products for the US & Europe markets.

Consumer Products

- Initiation by the government to improve infrastructure.



- Increased application coverage of resin and membrane technologies.
- New Government initiatives resulting in more opportunities.

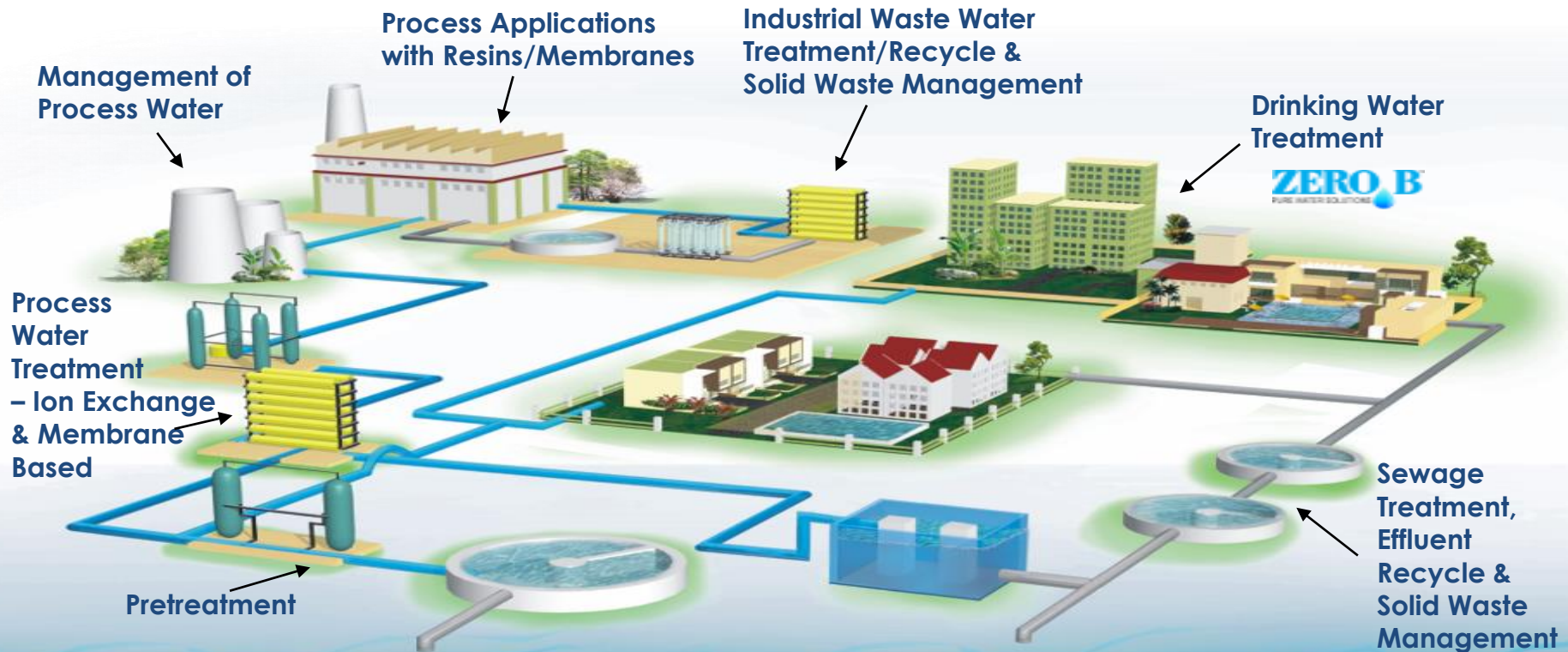
- Resins for pharmaceutical industry.
- Introduction of new specialty chemicals.
- Continued Investment in R&D and value.

- Introduction of surface water treatment solutions in association with PHED's & State Rural Water Supply Departments.
- Focus on expansion of ground water treatment solutions.

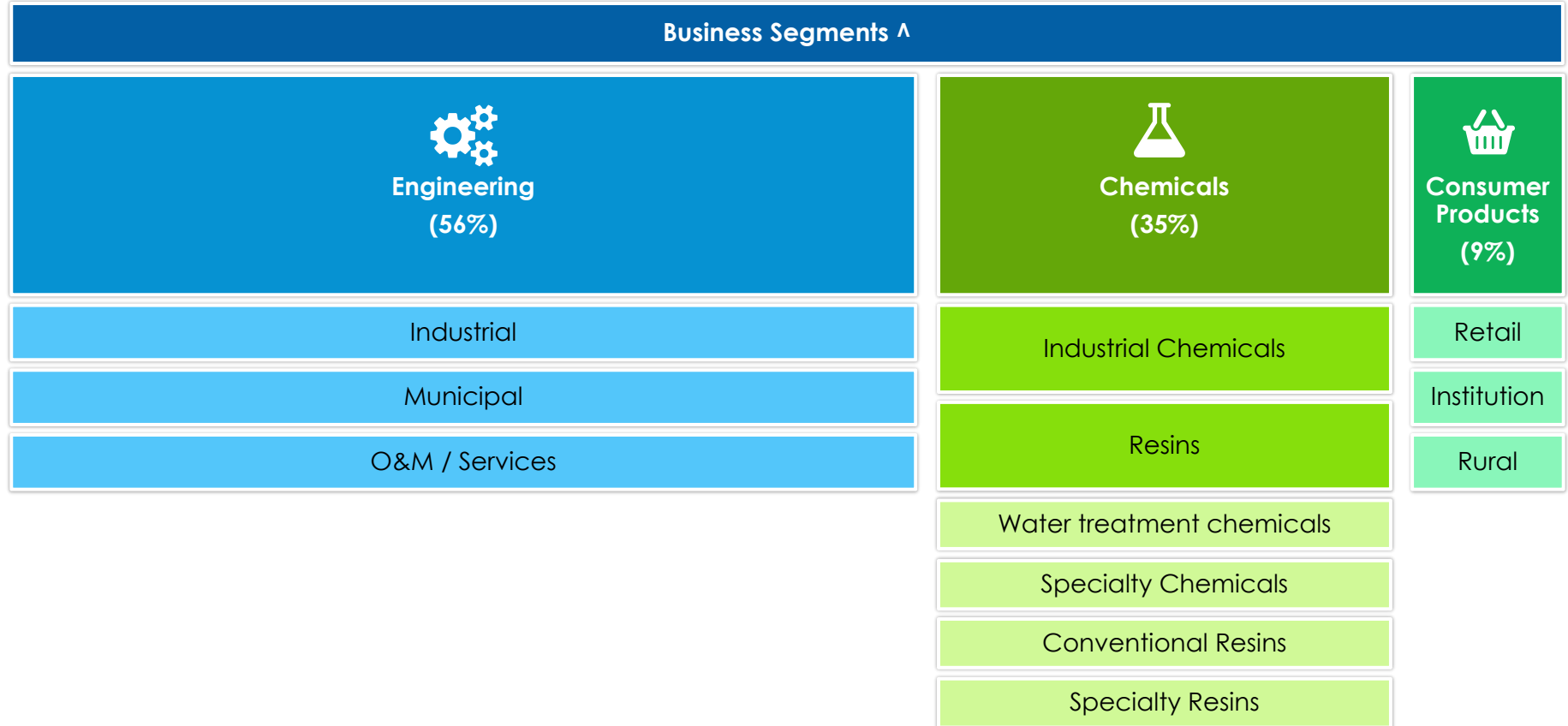
BUSINESS OVERVIEW



Ion Exchange (India) Ltd, formed in 1964, is a pioneer in water, waste water treatment & environment solutions and caters to various industries, homes & communities

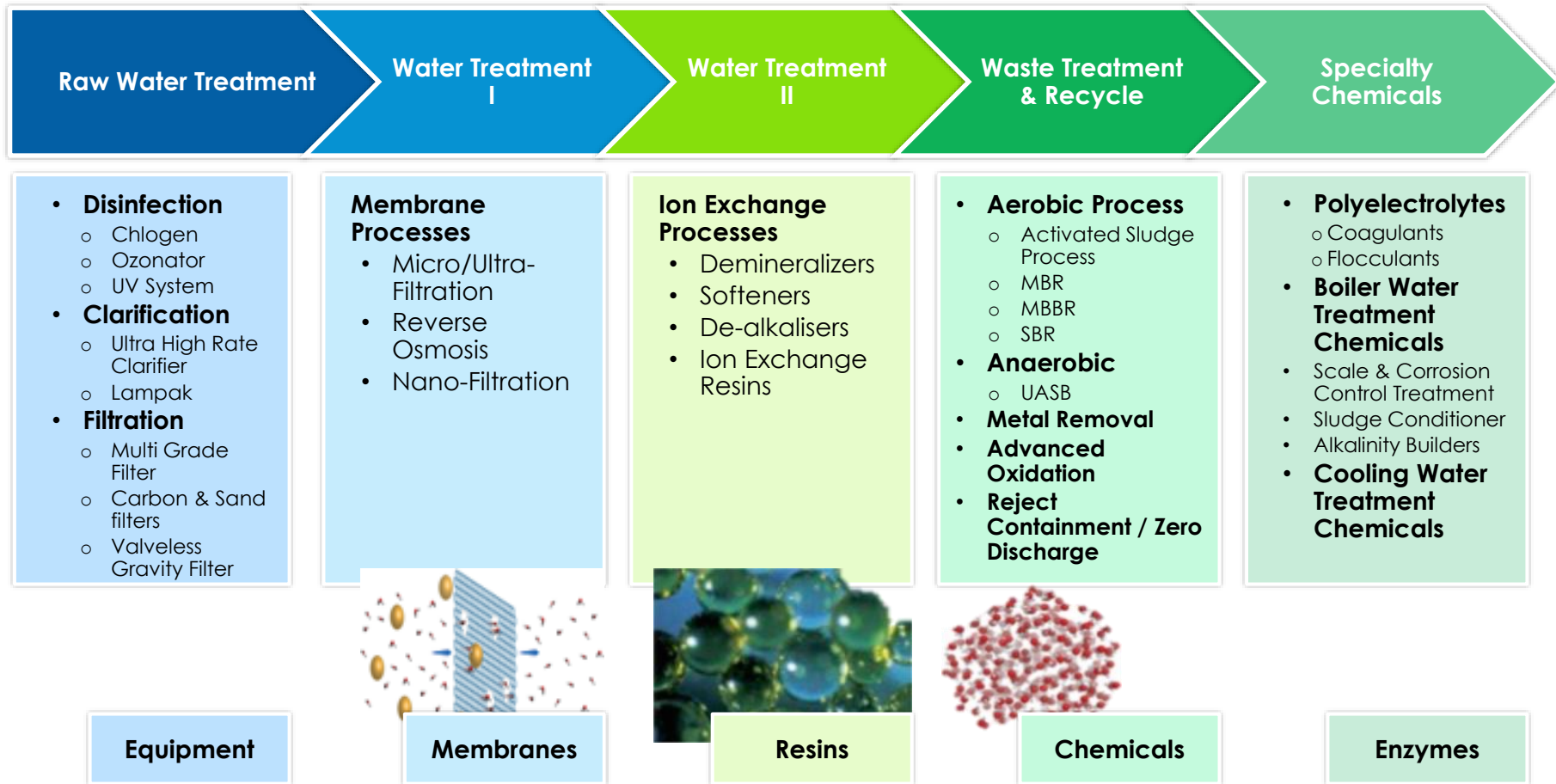


Business Segments



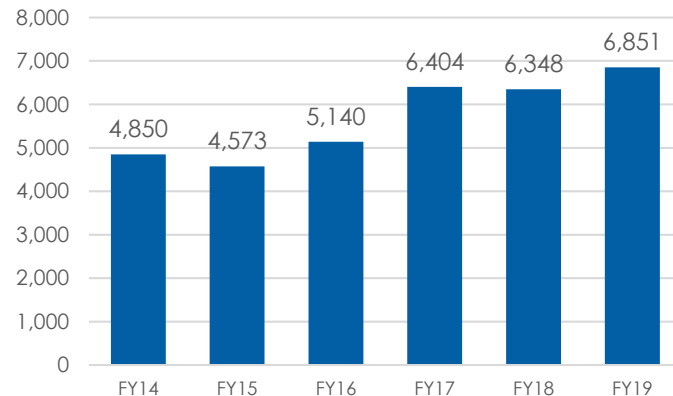
^ Consolidated as on FY2019

Work-flow Process



- The Company designs, engineers, manufactures and sells medium and large size equipment for water and waste water treatment plants including recycling & Zero liquid discharge plants.
- Extensive technologies, process design & detailed engineering experience and project management capabilities are integrated into advanced solutions for industrial and municipal applications.
- These are offered as standard and pre-engineered plants as well as customized, design & build projects undertaken on turnkey, BOOT or EPC basis.
- Exercise of rigid controls and stringent quality assurance systems at every stage of design, engineering and execution ensures absolute reliability and commissioning.
- The Engineering segment caters to industrial, municipal and institutional segment and also includes O&M Services.
- It caters to diverse industries like Petrochemical & Refinery, Power, Steel, Auto, Sugar, Electronics, Pharma, Pulp & Paper, Textile, Cement, F&B etc.

REVENUES* (INR MN)



ENGINEERING SEGMENTS

INDUSTRIAL

O&M & SERVICES

APPROXIMATE ORDER BOOK & PIPELINE:

Engineering projects[^]
INR 8,600 Mn

Bid Pipeline
INR 60,000 Mn

* Consolidated ^Excluding Sri Lanka Order

PROJECTS:

- Ion Exchange integrates extensive process technologies and design, engineering & project management expertise into design & build projects, on turnkey, BOOT or EPC basis. Specially formed teams manage and support each and every stage of project implementation.
- Projects cater to treatment needs of industries such as nuclear and thermal power, fertilizer, refinery, petrochemical, automobile, electronics, paper, textile and chemical.

STANDARD SYSTEMS:

- Packaged and pre-engineered range – softeners, filters, demineralizers and reverse osmosis systems, Ultra-filtration plants are engineered to meet the exacting process water quality requirements of different industries. These high performance, pre-tested and skid-mounted fast track delivery systems are quick to commission, and easy to use and maintain.
- For example, specifically for the pharma industry, the company has a completely integrated package for purified/ WFI water generation and distribution.

MEMBRANES:

- In 1978, Ion Exchange pioneered and promoted the application of reverse osmosis concept in India and it now manufactures its own Membrane Elements and Pressure tubes.
- Reverse osmosis: Industrial and domestic applications - brackish, Sea & process water, waste water treatment/recycle and drinking water systems.



**Demineralization Plant for
thermal power station**



Clientele - Industrial & Institution

HEAVY INDUSTRIAL		PETROCHEMICALS		AUTO-MOBILES		HOTELS		POWER		PHARMA		TEXTILES		ELECTRONICS/ ELECTRICALS		PAPER AND PULP	
		 IndianOil		 Distinctly Ahead				 ADANI		 Caring for life		 EASY DRESSING FOR THE SELF MADE MAN				 ITC Limited	
		 Reliance Industries Limited				 Holiday Inn		 TATA POWER								 JK PAPER LTD.	
						 HOTELS & RESORTS Feel the Hyatt Touch		 Maharatna Company		 Aventis Pharma		 TEXCELLENCE				 pulp and paper products	
		 Petrochemical Development Oman LLC				 THE LEELA MUMBAI											
CHEMICALS		SUGAR		CEMENT		FOOD & BEVERAGES		HOSPITALS		REAL ESTATE							
 Asahi India Glass Ltd.																	
																	
																	

Engineering - O&M and Services

Ion Exchange's O&M and services provides single-source responsibility, saves customers expense, manpower, supervision and the hassle of maintaining facilities in-house.

O&M CONTRACTS

- Annual Maintenance: Water & waste water equipment for efficient performance and zero downtime, scheduled inspection visits and scheduled maintenance & services.
- A comprehensive service contract where Ion Exchange takes complete responsibility for supply of treated water in required quantity and quality at the customer's place.
- Boiler & Cooling Water Treatment Programs.
- Consultancy & Surveys.

SERVICES:

It has a network of more than 1,500 trained service and plant management personnel for operation, maintenance & services.

RANGE OF SERVICES INCLUDES

- Water Management Surveys
- Feasibility & Pilot Plant Studies
- Erection & Commissioning
- BOOT Projects
- Operation & Maintenance
- Operator Training
- Servicing
- Supply of Fabricated Components & Consumables



MARKET POTENTIAL

- The domestic industrial sector is expected to grow at a CAGR of 5-7% while waste water management is projected to grow at a CAGR of 8-10% through 2015-2020.
- Capital expenditure on water and waste water infrastructure in India is set to increase by 83% over the next five years, hitting an annual run rate of USD 16 Bn by 2020. Out of this, the utilities market would account for USD 14 Bn and the industrial sector would account for the balance USD 2 Bn.
- Water demand in the country is expected to grow at 21% CAGR over 2015-2020.
- A study by the Central Pollution Control Board (CPCB) has revealed that almost 62,000 MLD of sewage is generated across urban India and there are just 816 STP installed that treat 23,277 MLD or 37.5% of sewage per day.
- In 2001, per capita water availability was 1,820 cubic meters which is projected to decline to 1,140 cubic meters by 2050. This in turn will generate strong growth opportunities for the water & waste water recycling market.

INDUSTRIAL REQUIREMENT

- In India only 60% of industrial waste water is treated.
- Around 40% of the STP's do not conform to the environment protection standards. Compliance by state owned STP's is low.
- The waste water treatment sector is expected to grow faster than the water treatment sector.
- Increased government regulations on waste water discharge to drive demand for water and waste water treatment chemicals.
- Capital expenditure on water reuse is expected to grow at a CAGR of 19.5%.
- Many contracts are now being awarded under DBO or EPC+O&M model with operating contracts of 5 or more years.

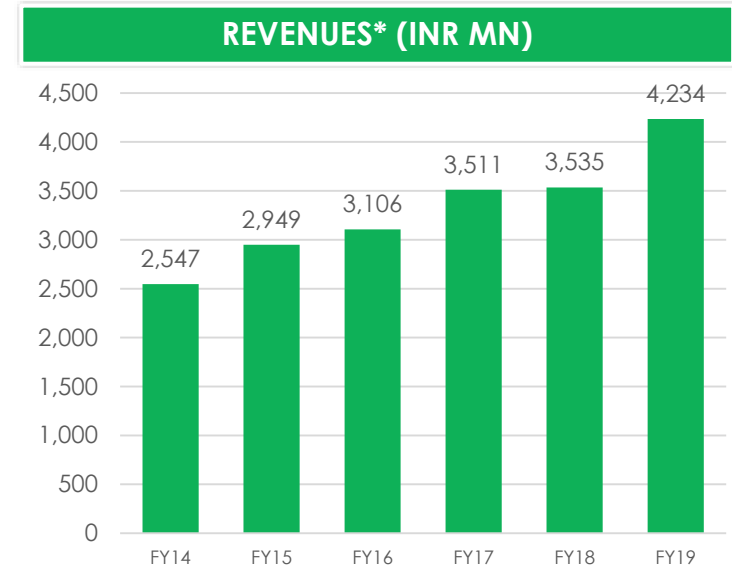
MAKE IN INDIA

- The GOI's 'Make in India' Programme is expected to generate new opportunities as Industrial capex gains traction.
- INR 500 bn (USD 7.7 bn) has been allocated for investment in 500 towns and cities under AMRUT and another INR 480 bn (USD 7.4 bn) has been put aside for upgrading 100 cities to attain 'smart' status.
- Water and waste water infrastructure is anticipated to constitute up to 40% of the total investment under these initiatives.

SWACHH BHARAT ABHIYAN

- "Namami Gange", the clean Ganga initiative, can create significant opportunities.
- INR 200 bn (USD 3 bn) has been pledged by the government over the next five years to clean up the Ganga.
- A new Ganga River Basin Management Plan (GRBMP) was submitted in January 2015, outlining important steps to prevent the discharge of untreated waste water into the river.
- The CPCB has introduced tighter waste water discharge standards for municipal waste water treatment plants.
- Future facilities will need to comply with these standards, while existing WWTPs will need to meet them within five years.

- The company is engaged in manufacturing water treatment chemicals, ion exchange resins and other specialty chemicals.
- Water treatment chemicals are used in boiler, cooling water treatment, coagulation and flocculation, membrane cleaning etc. Package treatment programmes are tailor made to suit customer needs.
- Ion exchange resins are used for softening, demineralization in water treatment. They are also used in various non-water separation across many verticals such as pharmaceuticals, biotechnology, food and beverages etc.
- Specialty Chemicals include performance chemicals used in processing of Paper, Sugar, Pharma and Refinery segment.



* Consolidated

- The company manufactures Water Treatment & Specialty Chemicals in a modern ISO 9001, 14001 and OHSAS 18001 certified manufacturing facility.
- Ion Exchange is known for their tailor made treatment programs coupled with continuous developments of newer formulations to satisfy diverse customer needs and backed by a strong service team.

The Company has a range of products covering the complete spectrum of customer needs in various sectors like refineries, steel, power, textile, chemical etc. which includes:

- Water Treatment Chemicals
- Coagulants and Flocculants
- RO and Thermal desalination Chemicals
- Fuel & Fireside additives
- Process Chemicals – Sugar, Paper, Ceramics, Refinery and Mining application
- Water quality testing kits

Resins are backed by innovation, quality and service, sustained R&D and state-of-the-art ISO 9001 and 14001 certified manufacturing facilities. They also have FDA approved pharma grade resin facility.

Ion Exchange offers products under the registered trademark of INDION RESINS which include the following:

- Complete range of cation and anion resins for water and waste water treatment, purification of bio-diesel, sugar, food and beverages & host of speciality applications – pharmaceutical excipients, catalysts, nuclear grade resins, brine softening, heavy metal removal and adsorbent grade resins.
- Resins for removal of colour, odour, organics, nitrate, iron, fluoride, arsenic and tannin.
- Tailor-made resins developed to suit specific applications which has over 30 patents to their credit, over ten of these on ion exchange resin products and processes.



SPECIALTY RESINS FOR DECOLORIZING

- | | |
|--------------------------------|-------------------------------------|
| • Sugar | • Bio-Diesel |
| • Chemical & Special Processes | • Pharmaceutical Refinery Processes |



- | | |
|------------------------------|-------------------|
| • Industrial Water Treatment | • Nuclear |
| • Potable Water | • Hydrometallurgy |
| | • Food & Beverage |

MARKET POTENTIAL

- The market for water and water treatment chemicals in India is expected to expand leaps and bounds due to the focus on optimum utilization of water resources.
- In 2016, global demand for water treatment chemicals totalled \$25.4 billion which is forecast to rise 5.3% per year to \$32.9 billion in 2021.
- Segments using water treatment chemicals constitute approximately 18% of the water consumption in India and is bound to grow further with the governments increased focus on water treatment.
- Global ion exchange resins market is expected to reach USD 2.26 Bn by 2026.
- In the budget 2017, as part of a sub mission of the National Rural Drinking Water Programme (NRDWP), it has been proposed to provide safe drinking water to over 28,000 arsenic and fluoride affected habitations in the next four years.

INDUSTRIAL APPLICATION

- 29% of the revenue contribution in the Industrial water treatment chemicals market is contributed by corrosion and scale inhibitors.
- Coagulants and Flocculants constitute the largest segment of approximately 38% of the total market size, followed by biocides and disinfectants which constitute close to 19%. Other large segments are defoamers (7% share) and pH adjusters (5% share).

GROWTH POTENTIAL

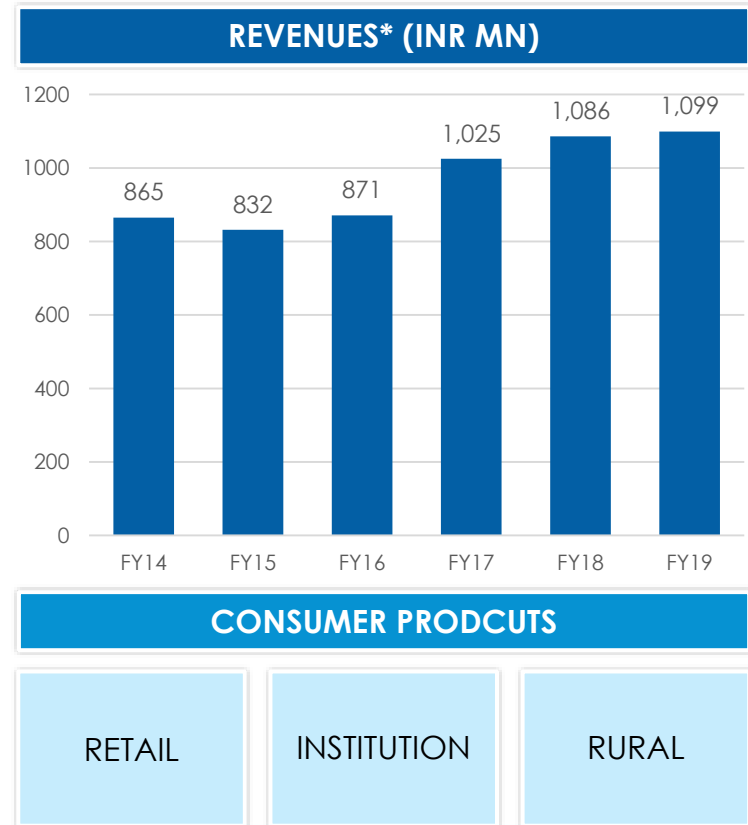
- Increased investments by the Government, industry and rapid urbanization will lead to greater demand for water treatment infrastructure.
- Chemicals business is expected to grow at an average rate of around 13-15% with a healthy bottomline.

Consumer Products

The company's water and environment management solutions extend beyond the industrial sector to homes, hotels, spas, educational institutions, hospitals, laboratories, realty sector and defence establishments providing safe drinking water and a clean environment. It focuses on household and point of use water purifiers and plans to increase its presence in the rural drinking water treatment.

Apart from systems for specific medical, laboratory and hospital water applications, typical requirements include:

- Water for drinking and use in kitchens and canteens
- Softened water for bathing and laundry
- Management of heating and cooling water circuits with speciality chemical treatment programmes
- Swimming pool water filtration and disinfection



* Consolidated

Consumer Products - Retail & Community

- Ion Exchange is the pioneer of the revolutionary RO technology, in India. With its National & International presence, Zero B has emerged as one of the premier brand of the company in this segment. At Zero B, every product is crafted with meticulous attention to detail so that it provides ultimate protection against all water-borne diseases and ensures complete protection.
- Zero B has pioneered many path-breaking innovations in the field of technology to provide a one stop water treatment solution for home and the community.

NON-ELECTRIC PURIFIERS



WATER SOFTENERS



RO PURIFIERS





FINANCIAL OVERVIEW

STANDALONE INCOME STATEMENT (IND AS)

INCOME STATEMENT (INR MN)	FY18	FY19
Total Income*	10,243	11,464
Total Expenses	9,239	10,110
EBITDA	1,004	1,354
EBITDA Margins (%)	9.80%	11.81%
Depreciation	119	181
Finance Cost	157	162
PBT	728	1,011
Tax	250	345
Profit After Tax	478	666
PAT Margins (%)	4.67%	5.81%
Other Comprehensive Income	(2)	(5)
Total Comprehensive Income	476	661
Diluted EPS (INR)	39.78	55.47

* Includes other income

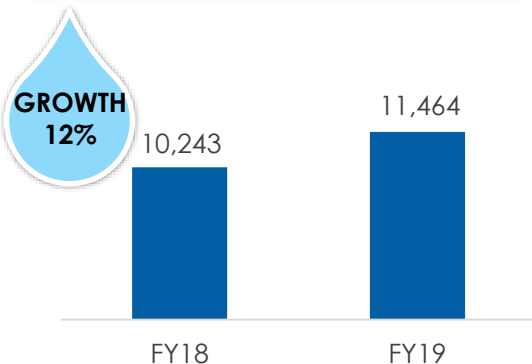
Note: Earnings per equity share includes impact of equity shares held by IEI Shareholding (Staff Welfare) Trusts.
No. of Shares- 26,62,914

Standalone Balance Sheet (As per IndAS)

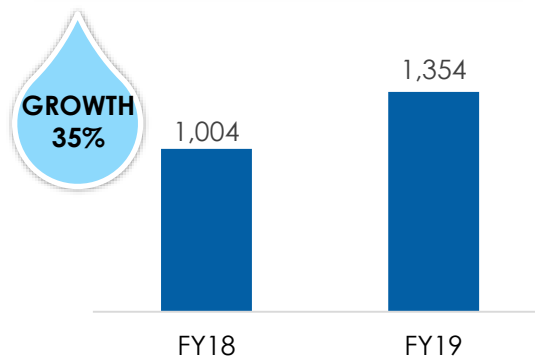
PARTICULARS (INR MN)	FY18	FY19	PARTICULARS (INR MN)	FY18	FY19
EQUITIES & LIABILITIES			ASSETS		
Equity			Non-Current Assets		
(A) Equity Share Capital	147	147	(A) Property, Plant and Equipment	1,347	1,425
(B) Other Equity	2,987	3,597	(B) Capital Work-in-progress	66	123
Total Equity	3,134	3,744	(C) Other Intangible Assets	13	14
			(D) Financial Assets		
Non-Current Liabilities			(i) Investments	575	607
(A) Financial Liabilities			(ii) Trade Receivables	36	36
(i) Borrowings	331	261	(iii) Loans	399	403
(ii) Other financial Liabilities	89	81	(E) Deferred Tax Assets (Net)	-	-
(B) Provisions	101	118	(F) Other Non-Current Assets	56	63
(C) Deferred Tax Liabilities (Net)	19	11	(G) Non Current Tax Assets	3	-
(D) Other Non-Current Liabilities	-	-	Total Non – Current Assets	2,495	2,671
(E) Liabilities for Non-Current Tax (Net)	17	15	Current Assets		
Total Non – Current Liabilities	557	486	(A) Inventories	771	1,092
Current Liabilities			(B) Financial Assets		
(A) Financial Liabilities			(i) Investments	4	4
(i) Borrowings	886	434	(ii) Trade Receivables	4,297	4,276
(ii) Trade Payables	3,406	3,948	(iii) Cash & Cash Equivalents	606	360
(iii) Other Financial Liabilities	358	380	(iv) Bank Balances	1,902	2,394
(B) Other Current Liabilities	2,587	2,979	(v) Loans	554	509
(C) Provisions	39	38	(vi) Other Financial Assets	76	184
(D) Liabilities for current tax (Net)	114	141	(C) Other current assets	376	660
Total Current Liabilities	7,390	7,920	Total Current Assets	8,586	9,479
GRAND TOTAL - EQUITIES & LIABILITIES	11,081	12,150	GRAND TOTAL – ASSETS	11,081	12,150

Financials - Standalone

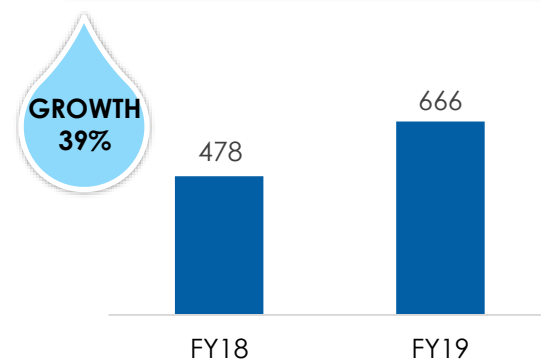
REVENUES* (INR MN)



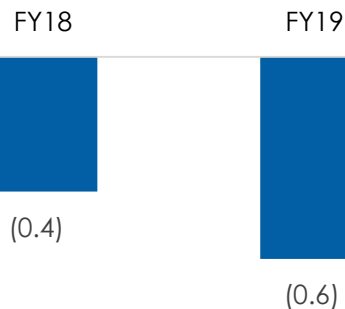
EBITDA (INR MN)



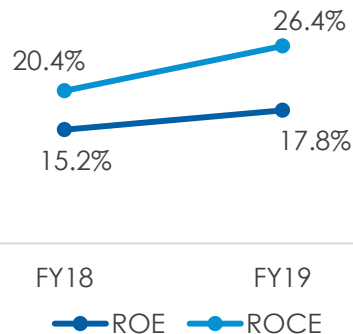
PAT (INR MN)



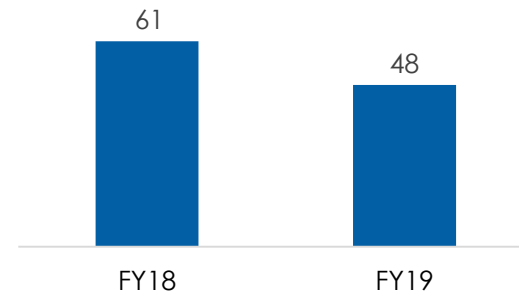
NET DEBT/EQUITY



ROE and ROCE



WORKING CAPITAL DAYS



* Includes other income

CONSOLIDATED INCOME STATEMENT (As per IndAS)

INCOME STATEMENT (INR MN)	FY18	FY19
Total Income*	10,760	11,956
Total Expenses	9,779	10,557
EBITDA	981	1,399
EBITDA Margins (%)	9.12%	11.70%
Depreciation	131	196
Finance Cost	187	190
PBT	663	1,013
Share of Profit of equity accounted Investee	(1)	5
Tax	263	359
Profit After Tax	399	659
PAT Margins (%)	3.70%	5.51%
Other Comprehensive Income	(14)	1
Total Comprehensive Income	385	660
EPS Diluted (INR)	34.46	56.99

* Includes other income

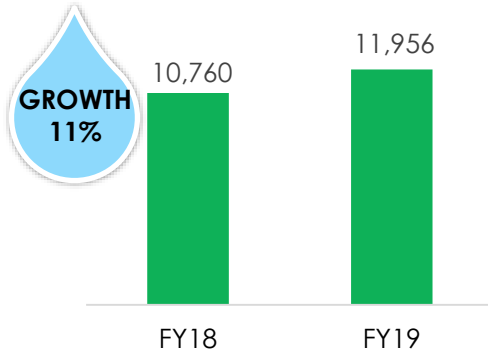
Note: Earnings per equity share includes impact of equity shares held by IEI Shareholding (Staff Welfare) Trusts (No. of Shares-26,62,914) and shares held by Subsidiary companies (No. of Shares- 4,37,874)

Consolidated Balance Sheet (As per IndAS)

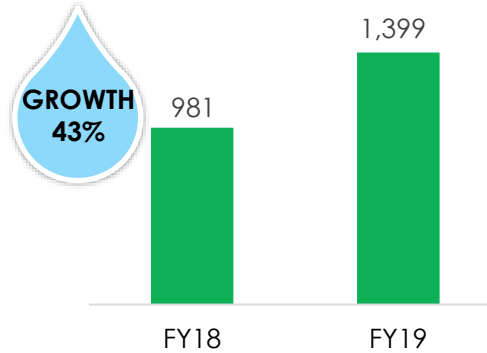
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EQUITIES & LIABILITIES			ASSETS		
Equity			Non-Current Assets		
(A) Equity Share Capital	142	142	(A) Property, Plant and Equipment	1,436	1,507
(B) Other Equity	1,859	2,458	(B) Capital Work-in-progress	66	123
Non Controlling Interest	28	22	(C) Other Intangible Assets	13	14
Total Equity	2,029	2,622	(D) Goodwill	-	86
			(E) Investment accounted using Equity Method	30	34
Non-Current Liabilities			(F) Financial Assets		
(A) Financial Liabilities			(i) Investments	7	7
(i) Borrowings	334	261	(ii) Trade Receivables	138	142
(ii) Other Financial Liabilities	89	81	(iii) Loans	99	100
(B) Provisions	113	133	(iv) Other Financial Assets	75	70
(C) Deferred Tax Liabilities (Net)	20	11	(G) Deferred Tax Assets (Net)	12	10
(D) Other Non-Current Liabilities	6	6	(H) Other Non-Current Assets	152	167
(E) Liabilities for non-current tax (Net)	17	16	(I) Non-Current Tax Assets	4	5
Total Non – Current Liabilities	579	508	Total Non – Current Assets	2,032	2,265
Current Liabilities			Current Assets		
(A) Financial Liabilities			(A) Inventories	1,012	1,298
(i) Borrowings	1,125	667	(B) Financial Assets		
(ii) Trade Payables	3,639	4,151	(i) Investments	4	4
(iii) Other Financial Liabilities	419	428	(ii) Trade Receivables	4,371	4,242
(B) Other Current Liabilities	2,696	3,078	(iii) Cash & Cash Equivalents	672	452
(C) Provisions	45	45	(iv) Bank Balances	1,959	2,452
(D) Liabilities for current tax (Net)	120	154	(v) Loans	169	91
Total Current Liabilities	8,044	8,523	(vi) Other Financial Assets	88	197
			(C) Current Tax Assets (Net)	8	13
			(D) Other Current Assets	337	639
			Total Current Assets	8,620	9,388
GRAND TOTAL - EQUITIES & LIABILITIES	10,652	11,653	GRAND TOTAL – ASSETS	10,652	11,653

Financials - Consolidated

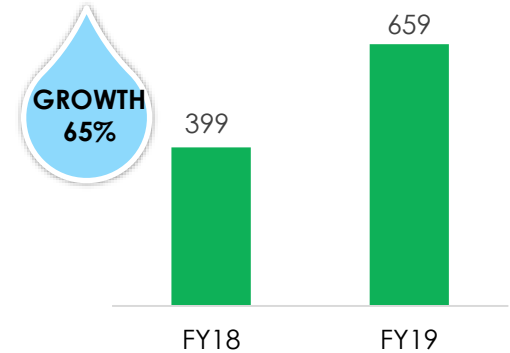
REVENUES* (INR MN)



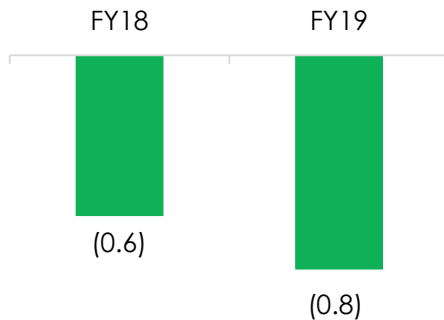
EBITDA (INR MN)



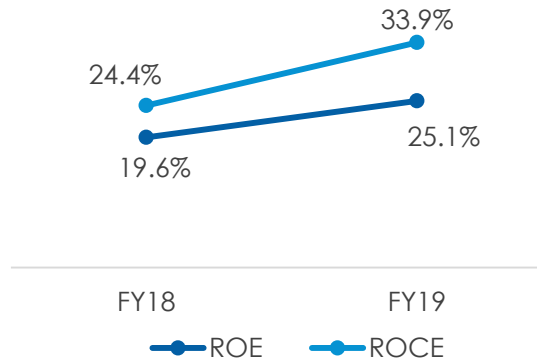
PAT* (INR MN)



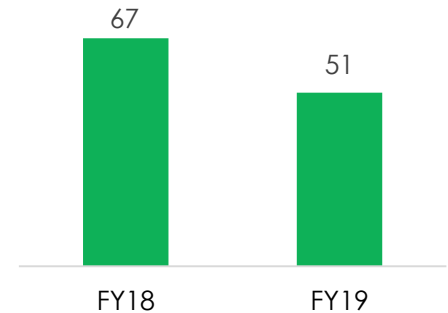
NET DEBT/ EQUITY



ROE and ROCE



WORKING CAPITAL DAYS



* Includes other income

Market Data (Bloomberg – ION IN, Reuters – IONX.BO)

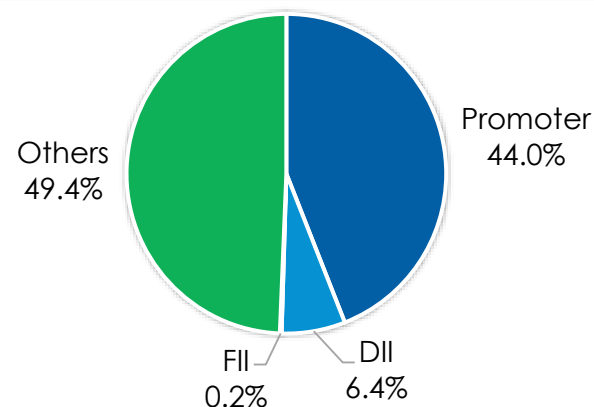
1 YEAR SHARE PRICE MOVEMENT (AS ON 31ST MARCH, 2019)



PRICE DATA (AS ON 31ST MARCH, 2019)

Face value (INR)	10
Market Price (INR)	398.05
52 Week H/L (INR)	520.9/335.0
Market Cap (INR Mn)	5,838.1
Equity Shares Outstanding (Mn)	14.67
1 Year Avg. trading volume ('000)	4.92

SHAREHOLDING PATTERN (AS ON 31ST MARCH, 2019)



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VALOREM ADVISORS

Mr. Anuj Sonpal

Tel: +91-22-49039500

Email: ion@valoremadvisors.com



THANK YOU