

February 15, 2022

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 Investor Presentation as on February 2022.

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**



Our Vision

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



The image features a high-speed photograph of a blue liquid splash. The water is captured in mid-motion, creating a series of peaks and valleys with visible ripples and small droplets. The background is a stark, bright white, which makes the vibrant blue of the water stand out. The overall composition is clean and modern, with a sense of energy and movement.

EXECUTIVE SUMMARY

Executive Summary

FY21: Operating
Income*
INR 14,495
Mn

FY21: Operating
EBITDA*
INR 2,023
Mn

FY21: PAT*
INR 1,433
Mn

*Consolidated

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, institutions, homes & communities.
- Headquartered in Mumbai, the company has seven manufacturing & assembly facilities across India, and one each in Bangladesh, UAE, Bahrain and Indonesia. It also has presence across other key geographies.

BUSINESS & FY21 REVENUE MIX (%) - CONSOLIDATED

- **Engineering (63%)** – 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 (30%)** – Provides a comprehensive range of resins, speciality chemicals and customized chemical treatment programmes for water, non-water and specialty applications.
- **Consumer Products (7%)** – Caters to individuals, hotels, spas, educational institutions, hospitals, laboratories, railway and defence establishments providing safe drinking water and a clean environment.

MARQUEE CLIENTS

- **Industrial** – NTPC, NPC, Reliance, IOCL, JSW, CPCL, L&T, Arcelormittal, Nippon Steel, Nayara Energy, 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.

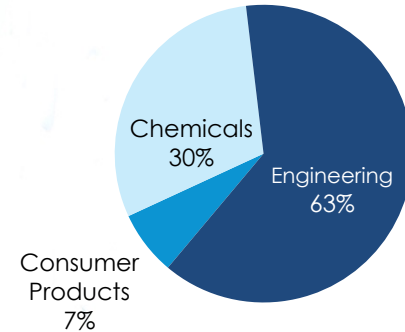
A high-speed photograph of a blue liquid splash against a white background. The splash is located at the bottom of the frame, with water droplets and bubbles visible. The text 'COMPANY OVERVIEW' is overlaid on the right side of the image.

COMPANY OVERVIEW

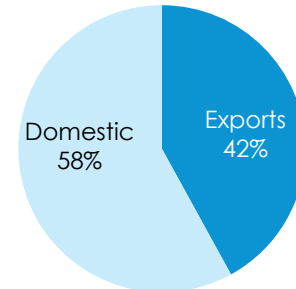
Company Overview

- 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 57th 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, municipalities, 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, membranes, 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 36+ sales & service centers and 100+ Channel Partners.
- The company exports to Africa, Japan, Middle East, Russia, South East Asia, Europe, UK, USA, Canada and neighbouring countries.

FY21 REVENUE BREAKUP*



FY21 GEOGRAPHICAL BREAKUP*



*Consolidated

Key Management Personnel



Rajesh Sharma, Chairman & MD

- Experience in Corporate Strategy, Organisation Development, 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

Group Chief Financial Officer

Dinesh Sadasivan

President – Standard Systems & Services

S. V. Mehendale

Executive VP – Membranes

S. N. Iyengar

Executive VP – Medium Industry

Anil Khera

Executive VP – Chemical

Vasant Naik

Executive VP – Finance

C. K. Sandeep

Executive VP – Environment

J. P. Pathare

Sr. VP – International Division

Prashant K. Chitnis

Sr. VP – Technology

Key Milestones

1964

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

1965

Resin Production and equipment facility started at Ambernath.

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.

2019

Set-up state of the art R&D Centre at Patancheru, Telengana.

Global Footprint



Domestic Footprint

RABALE, MAHARASHTRA



EOU & Engineering Design Facility

ANKLESHWAR, GUJARAT



Resin Facility - Water and non-water

WADA, MAHARASHTRA



Fabrication Facility

VERNA, GOA

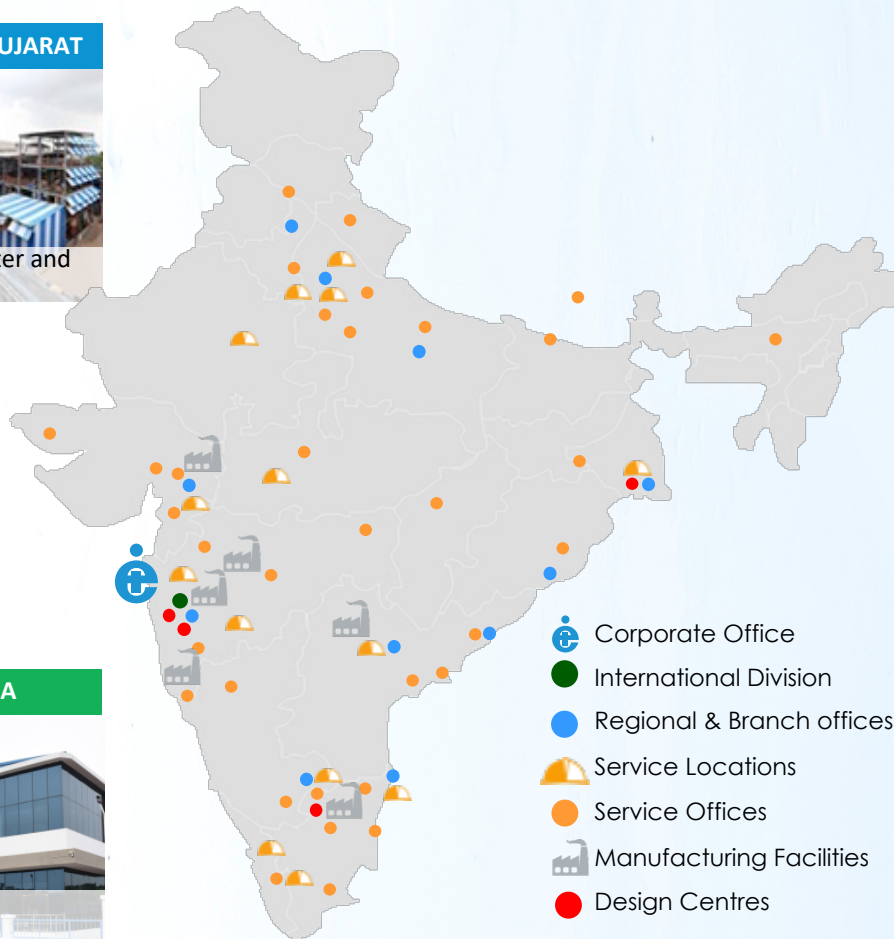


Standard Systems

VERNA, GOA



Membrane Plant



PATANCHERU, TELANGANA



R&D Centre

PATANCHERU, TELANGANA



Chemicals Facility

HOSUR, TAMIL NADU



Standard Systems

Research & Development



Strong focus on R&D. The R&D centres constantly work to develop, adapt and improve products and processes.

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 and for Engineered Products & Systems at Maharashtra.

Product application and testing centres with numerous patents to their credit

Over 50 patents

Over 100 products launched



Awards & Accolades



**Water Digest
Water Award
(UNESCO)**



**Chemtech CEW
Leadership &
Excellence Award**



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



Key Strengths

Design, Engineering and Supply of water, waste water treatment and process plants on LSTK, EPC, PPP and BOOT basis.

Largest one stop shop water solution's provider in Asia and executed more than 100,000 Projects till date.

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



57 years of Pan India presence.

Manufacturer of

- Chemicals in ISO 9001, 14001 and 45001 certified facilities.
- Resins & Membranes in ISO 9001 & 14001 certified facilities.
- Excipients and APIs in FDA compliant facility.

Comprehensive 24/7 service support –Largest in India.

Future Strategy



ENGINEERING

- Leverage good enquiry bank - particularly in sectors like Refinery, Steel, Pharma, F&B – into profitable orders.
- Selectively target opportunities in Infrastructure and Municipal projects.
- Increased Market Penetration and share based on innovative technologies and solutions.



CHEMICALS

- Increase export volumes for resins, newer chemistries and formulations.
- Capacity expansions to meet increased demand in local and international markets.
- Increase market share in domestic markets with 'Make in India' and China + strategy.



CONSUMER PRODUCTS

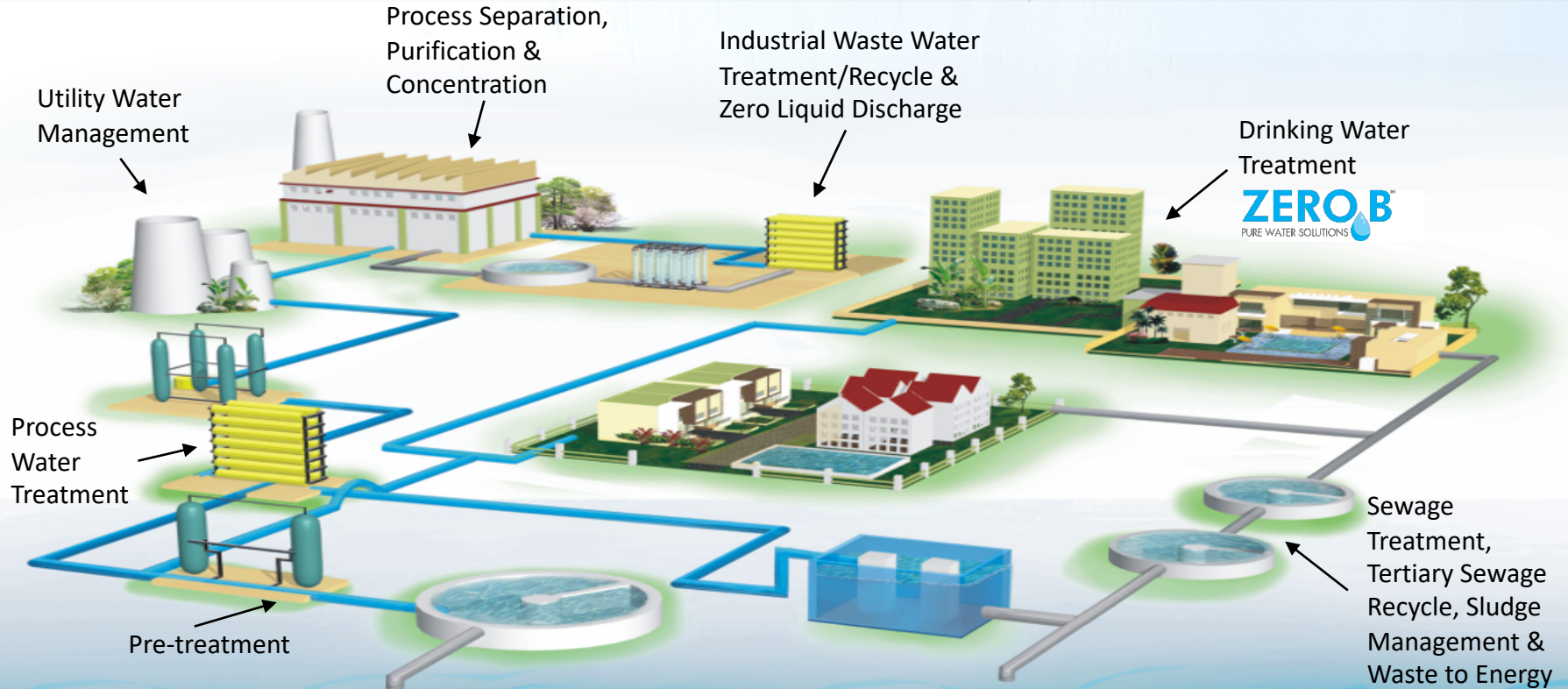
- Consumer segment - increased market penetration in urban as increase in demand expected .
- Institutional segment's needs for comprehensive total water management solutions expected to increase demand and growth.
- Rural segment's growth due to increased demand for sustainable water solutions supported by ambitious Government investment plans.

A high-speed photograph of a blue liquid splash against a white background. The splash is concentrated at the bottom of the frame, with water droplets and bubbles visible. The text 'BUSINESS OVERVIEW' is positioned in the upper right quadrant of the image.

BUSINESS OVERVIEW

Business

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



Business Segments

BUSINESS SEGMENTS



Engineering
(63%)

- Industrial
- Municipal
- Comprehensive Services



Chemicals
(30%)

- Ion Exchange Resins
- Water Treatment Chemicals
- Specialty Process Chemicals
- Membranes



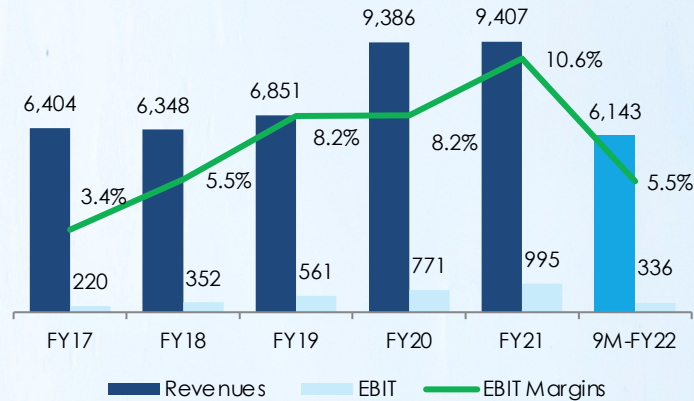
Consumer Products
(7%)

- Retail
- Institution
- Rural

Engineering

- The Company designs, engineers, supplies, constructs and provides comprehensive operation and maintenance services for customised and standardised water, waste water and process treatment plants.
- Widest range of technologies, process designs & in house detailed engineering and project management capabilities are integrated into advanced solutions for industrial, municipal and residential applications.
- All divisions are ISO 9001 certified for Quality Management Systems.
- Caters to diverse industries like Petrochemical & Refinery, Power, Steel, Auto, Sugar, Electronics, Pharma, Pulp & Paper, Textile, Cement, F&B etc apart from Municipal and residential.
- The company as on 31st December, 2021 has an approximate Total order book of INR 2,750 Crores with more than INR 5,000 Crores in the bid pipeline.

CONSOLIDATED REVENUES & EBIT (INR MN)



ENGINEERING SEGMENTS

INDUSTRIAL

O&M & SERVICES

ORDER BOOK & PIPELINE (As on 31st December, 2021)

Engineering projects[^]
~ INR 1,262 Cr.

Bid Pipeline
~ INR 5,640 Cr.

Outstanding Sri Lanka
~ INR 294 Cr.

Outstanding UP SWSM
~ INR 1,200 Cr.

[^]Excluding Sri Lanka Order & UP SWSM

Engineering – Industrial

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 at each and every stage of project implementation.
- Ion Exchange provides customised solutions for water, waste water, recycle, ZLD to core industries such as power plants, chemicals, refineries, fertiliser and steel plants. It provides comprehensive turnkey solutions for Municipal Water, Waste Water and Solid Waste Management.

STANDARD SYSTEMS

- Packaged and pre-engineered range – softeners, filters, demineralizers, membrane plants, packaged sewage and industrial effluent treatment plants.
- Engineered to meet the exacting process water, non-water and treated waste water quality requirements of diverse industries like pharma, food and beverages, automobile, textile etc. These pre-engineered, pre-tested and skid-mounted fast delivery systems are also the preferred choice for institutions like hospitality, realty, IT parks, malls etc.

PROJECT SITE – ALUTHGAMA, SRI LANKA



DEMINERALIZATION PLANTS FOR THERMAL POWER STATION



Engineering – Membranes

- In 1987, Ion Exchange pioneered and promoted the concept of reverse osmosis membranes in India and started manufacturing membranes. Today in a state-of-the-art manufacturing facility in Goa it manufactures a wide range of Reverse Osmosis and Nano Filtration membranes.
- High Performance Membranes manufactured by Ion Exchange belong to the latest generation of membrane technology. Superior quality and decades of experience in manufacturing membrane elements, makes HYDRAMEM the favoured choice for all industrial, institutional and domestic applications like:
 - Conventional Industrial Water Treatment – Brackish water Hydramem membranes are used for purification of process water. Hydramem membranes give best in class salt rejection recoveries with optimum permeate water flow.
 - Sea Water Desalination – With their increased efficiency and lower power requirements Hydramem Sea Water elements offers desalinated water at lower costs.
 - Recycle of Treated Effluents – Hydramem Fouling resistance membranes provide superior organic fouling resistance, longer life and less frequent cleaning.
 - Textile Industry – INDION Salt Recovery system from Textile dye bath effluent based on specialty NF membrane technology recovers brine for its reuse in dyeing process & recovers water to be recycled in various plant processes.
 - Dye Desalting – Hydramem NF membranes efficiently removes undesirable impurities from variety of dyes and enhances their functional properties.

Engineering – Comprehensive Services

Ion Exchange's comprehensive services provides single point responsibility, for a wide range of service needs of it's customers.

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 36+ service centres pan India with 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
- Comprehensive Operation & Maintenance
- One time Servicing
- Supply of genuine consumable and spares
- Operator Training



Clientele - Industrial & Institution – to name a few

INFRASTRUCTURE PETROCHEMICALS



Sri Lanka Water Supply & Drainage Board



Punjab Department of Water Supply and Sanitation



AUTO-MOBILES HOTELS POWER PHARMA



TEXTILES STEEL PAPER AND PULP



CHEMICALS SUGAR CEMENT FOOD & BEVERAGES HOSPITALS REAL ESTATE



Engineering Industry Overview

MARKET POTENTIAL

- 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 2023.
- 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 STPs 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.

Nal Se Jal

- The Jal Jeevan Mission launched in August, 2019 aims to provide tap water connection to every household in the country by 2024 with an investment INR 3.5 lakh crores in the next 5 years.
- As on August 2020, India had 189 million households of which only 51 million or 27% of the total households have tap water connectivity. Under the Nal Se Jal scheme, another 138 million or 73% households need to be provided tap water connection.

INDUSTRIAL REQUIREMENT

- In India only 60% of industrial waste water is treated.
- Around 40% of the STPs do not conform to the environment protection standards. Compliance by state owned STPs is low.
- The waste water treatment sector is expected to grow faster than the water treatment sector.
- Capital expenditure on water reuse is expected to grow at a CAGR of 19.5%.

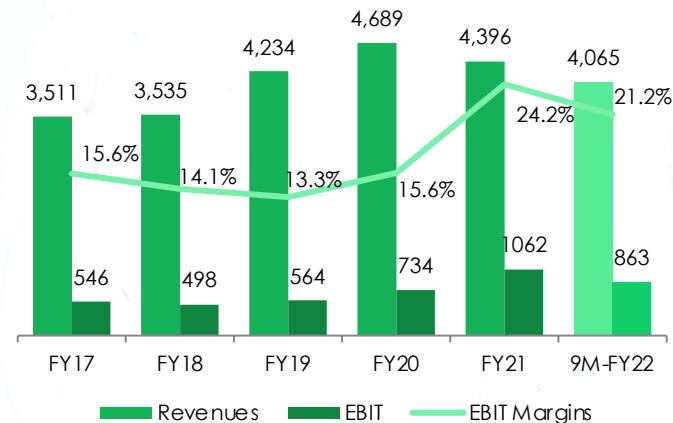
SWACHH BHARAT ABHIYAN

- “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.
- 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 waste water treatment plants will need to meet them within five years.

Chemicals

- The company is engaged in manufacturing water treatment chemicals, ion exchange resins and other specialty chemicals.
- Water treatment chemicals are used for raw and waste water treatment conditioners in boiler, cooling water treatment and membrane cleaning etc.
- Specialty Chemicals include performance chemicals used in processing of Paper, Sugar, Ceramic, Pharma and Refinery products.
- Resin manufacturing at Ion is backed by innovation, quality and service, sustained R&D and state-of-the-art manufacturing facilities. The company also has an 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 like pharmaceutical excipients, catalysts, nuclear grade resins, brine softening, heavy metal removal, adsorbent grade resins etc.
 - Resins for removal of colour, odour, organics, nitrate, iron, fluoride, arsenic and tannin.
 - Tailor-made resins developed to suit specific applications

CONSOLIDATED REVENUES & EBIT (INR MN)



Chemicals Industry Overview

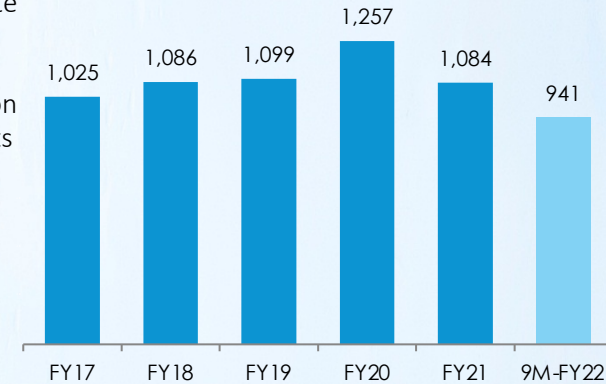
MARKET POTENTIAL

- 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.
- The global water treatment chemicals market size is projected to grow from USD 39.1 billion in 2021 to USD 61.1 billion by 2026, at a CAGR of 9.3% between 2021 and 2026
- ASIA PACIFIC (excluding Japan) accounts for 33% Market Share, followed by North America and Western Europe.
- Global ion exchange resins market is expected to reach USD 2.26 Bn by 2026.
- Increased investments by the Government, industry and rapid urbanization is expected to lead to greater demand for water treatment chemicals.

Consumer Products – Retail, Institution, Rural

- 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 brands in this segment. Every Zero B, provides ultimate protection against all water-borne diseases and ensures complete protection.
- Besides Zero B products which cater to the homes, communities & institutional sector, this division also provides several technologically advanced products to residential, commercial and rural segments
 - Complete range of Waste Water Solutions
 - High Purity water systems for hospitals and laboratories
 - Semi automatic bottled water plant for the hospitality segment
 - Hand Pump & Tube well attachments for ground water purification
 - Surface Water Treatment Systems and Disaster Management Units for defense and communities

CONSOLIDATED REVENUES* (INR MN)



NON-ELECTRIC PURIFIERS



WATER SOFTENERS



RO PURIFIERS





FINANCIAL OVERVIEW

Historical Consolidated Income Statement (IND-AS)

INCOME STATEMENT (INR MN)	FY19	FY20	FY21	9M-FY22
Operating Income	11,623	14,798	14,495	10,805
Expenses	10,557	13,453	12,472	9,623
Operating EBITDA	1,066	1,345	2,023	1,182
Operating EBITDA Margins (%)	9.17%	9.09%	13.96%	10.94%
Depreciation	196	235	277	210
Finance Cost	190	160	126	75
Other Income	333	354	331	205
PBT	1,013	1,304	1,951	1,102
Share of Profit of equity accounted Investee	5	5	(1)	6
Tax	359	367	517	323
Profit After Tax	659	942	1,433	785
PAT Margins (%)	5.67%	6.37%	9.89%	7.27%
Other Comprehensive Income	1	2	(2)	11
Total Comprehensive Income	660	944	1,431	796
EPS Diluted (INR)	56.99*	80.22 [#]	121.41 [@]	67.24 [@]

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

[#]Earnings per equity share includes impact of equity shares held by IEI Shareholding (Staff Welfare) Trusts. No. of Shares- 23,68,939

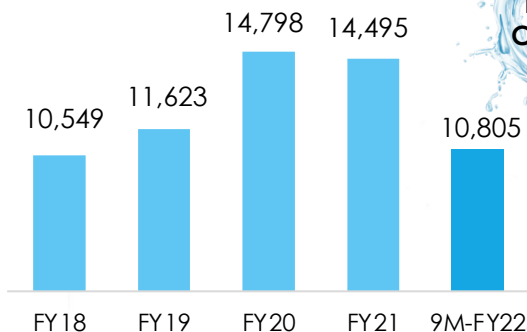
[@]Earnings per equity share includes impact of equity shares held by IEI Shareholding (Staff Welfare) Trusts. & HMIL Shareholding (Staff Welfare) Trusts: (No. of Shares- 23,73,614) and shares held by Subsidiary companies: (No. of Shares- 4,37,874)

Historical Consolidated Balance Sheet (IND-AS)

PARTICULARS (INR MN)	FY20	FY21	H1-FY22	PARTICULARS (INR MN)	FY20	FY21	H1-FY22
EQUITIES & LIABILITIES				ASSETS			
Equity				Non-Current Assets			
(A) Equity Share Capital	142	142	142	(A) Property, Plant and Equipment	1,459	1,486	1,443
(B) Other Equity	3,489	4,916	5,321	(B) Capital Work-in-progress	115	146	196
Equity attributable to owners	3,631	5,058	5,463	(C) Right-of-Use Assets	379	303	286
Non Controlling Interest	20	(1)	(3)	(D) Other Intangible Assets	16	22	19
Total Equity	3,651	5,057	5,460	(E) Goodwill	86	86	86
Non-Current Liabilities				(F) Investment accounted using Equity Method	37	36	40
(A) Financial Liabilities				(G) Financial Assets			
(i) Borrowings	187	79	26	(i) Investments	7	7	25
(ii) Lease liabilities	106	48	39	(ii) Trade Receivables	62	45	45
(iii) Other Financial Liabilities	81	85	88	(iii) Other Financial Assets	183	177	165
(B) Provisions	157	171	171	(H) Deferred Tax Assets (Net)	15	54	54
(C) Deferred Tax Liabilities (Net)	5	-	-	(I) Other Non-Current Assets	165	135	157
(D) Other Non-Current Liabilities	5	5	5	(J) Non-Current Tax Assets	5	6	11
(E) Liabilities for non-current tax (Net)	19	-	-	Total Non – Current Assets	2,529	2,503	2,527
Total Non – Current Liabilities	560	388	329	Current Assets			
Current Liabilities				(A) Inventories	1,345	1,276	1,710
(A) Financial Liabilities				(B) Financial Assets			
(i) Borrowings	723	434	592	(i) Investments	1	2	3
(ii) Lease liabilities	97	61	53	(ii) Trade Receivables	5,019	4,489	4,287
(iii) Trade Payables	4,936	5,353	5,338	(iii) Cash & Cash Equivalents	1,015	921	890
(iv) Other Financial Liabilities	438	311	326	(iv) Bank Balances	2,716	4,133	3,808
(B) Other Current Liabilities	3,190	2,518	2,048	(v) Loans	173	142	172
(C) Provisions	56	53	90	(vi) Other Financial Assets	237	117	110
(D) Liabilities for current tax (Net)	171	258	88	(C) Current Tax Assets (Net)	15	7	2
Total Current Liabilities	9,611	8,988	8,535	(D) Other Current Assets	772	843	815
GRAND TOTAL - EQUITIES & LIABILITIES	13,822	14,433	14,324	Total Current Assets	11,293	11,930	11,797
				GRAND TOTAL – ASSETS	13,822	14,433	14,324

Consolidated Financial Performance

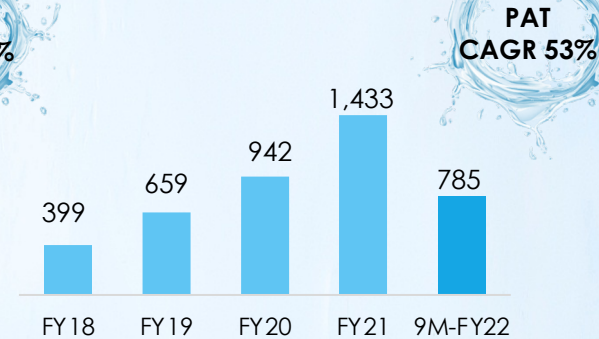
REVENUES (INR MN)



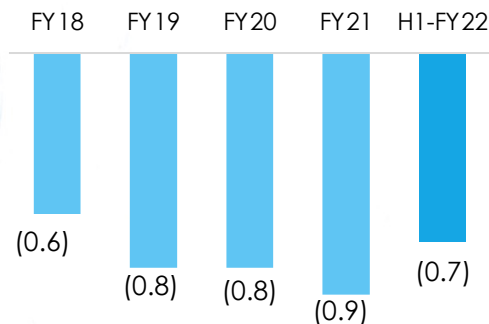
OPERATING EBITDA (INR MN)



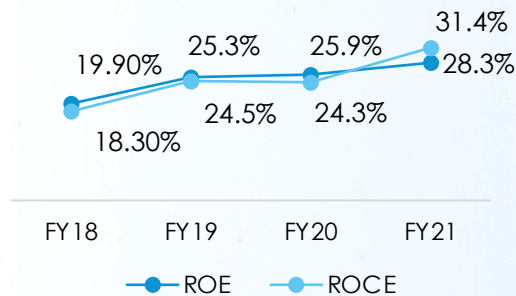
PAT (INR MN)



NET DEBT/ EQUITY

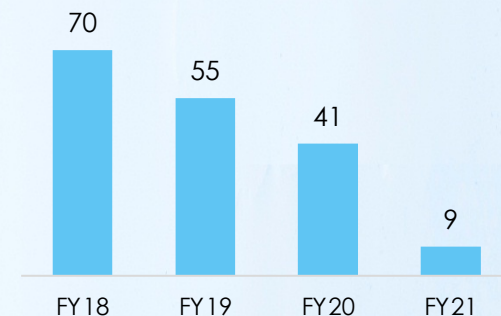


ROE and ROCE



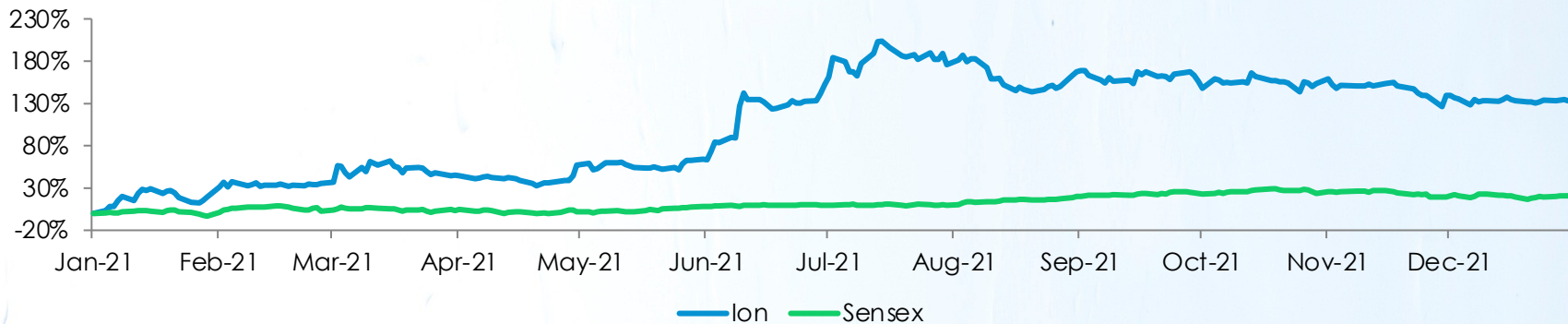
ROE = Net Profit/Net worth, ROCE = EBIT/Capital Employed

WORKING CAPITAL DAYS



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

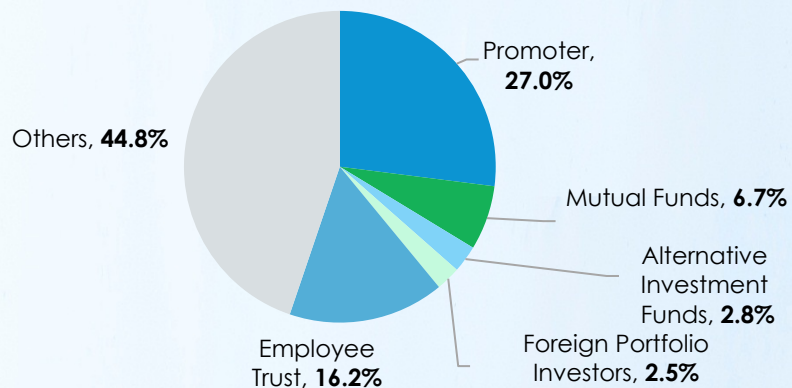
1 YEAR SHARE PRICE MOVEMENT (UP TO 31st December, 2021)



PRICE DATA (AS ON 31st December, 2021)

Face value (INR)	10.0
Market Price (INR)	2,099.8
52 Week H/L (INR)	2,947.0/890.1
Market Cap (INR Mn)	30,797.0
Equity Shares Outstanding (Mn)	14.7
1 Year Avg. trading volume ('000)	45.5

SHAREHOLDING PATTERN (AS ON 31st December, 2021)



Disclaimer

Ion Exchange (India) Limited

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THANK YOU