

July 19, 2021

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 July 2021.

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 – JULY 2021



# **Our Vision**





# **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, 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.
- Installation: 100,000 + globally; 1000+ in core sectors.

# 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, nonwater 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**

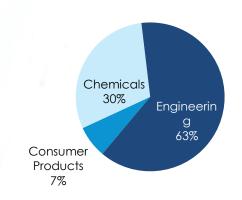
- Industrial NTPC, NPC, Reliance, IOCL, JSW, CPCL, L&T, Arcelormittal, Nippon Steel, Nayara Energy, IRCTC, BHEL, Tata Group.
- Institutional Leela, Military Engineering Services, Taj Hotels, Holiday Inn, Hyatt Regency, Oberoi Hotels, Apollo Hospitals, Escorts Heart Institute, DLF, Puravankar.
- International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



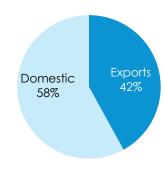
# Company Overview

- 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 57<sup>th</sup> 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 pretreatment 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

#### **Prashant K. Chitnis**

Sr. VP – Technology

#### J. P. Pathare

Sr. VP – International Division

### C. K. Sandeep

Executive VP – Environment

# Key Milestones

IXC y	Milestories				
1964	Incorporated as 60% subsidiar of Permutit Co., U.K.	y 1982	Engineering and fabrication setup started at Hosur.	1998	Consumer products manufacturing started at Goa.
1965	Resin Production and equipment facility started at Ambernath.	1983	Industrial Chemical Production started at Patancheru.	2010	Commissioned largest RO based water desalination plant.
1977	Listed on BSE.	1986	Zero-B Launched with Suraksha tap attachment.	2015	Contract for Water supply project worth USD 194 mn signed with Sri Lanka Water Board.
1978	First company to launch RO concept in India.	1987	Started manufacturing RO membranes at Halol.	2017	Integrated and automated reverse osmosis membrane manufacturing process at Verna, Goa.
1979	Resin manufacturing plant set-up at Ankleshwar.	1996	First sea water RO desalination plant in India at GEB, Sikka.	2019	Set-up state of the art R&D Centre at Patancheru, Telengana.`

# **Global Footprint**



# **Domestic Footprint**



**EOU & Engineering Design** Facility

### ANKLESHWAR, GUJARAT



Resin Facility - Water and non-water



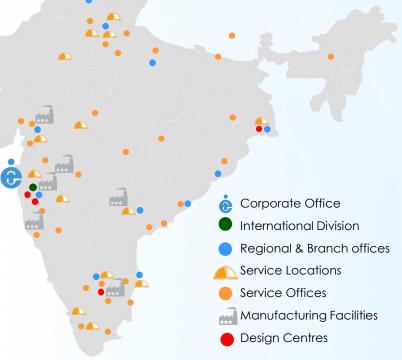


**Standard Systems** 

**VERNA, GOA** 



Membrane Plant



#### PATANCHERU, TELANGANA



**R&D** Centre



**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





























# **Key Strengths**



# **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.



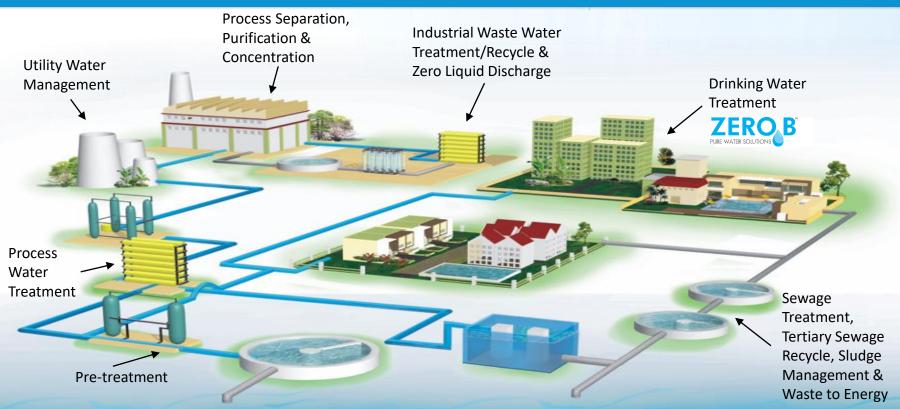
### **CONSUMER PRODUCTS**

- 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.

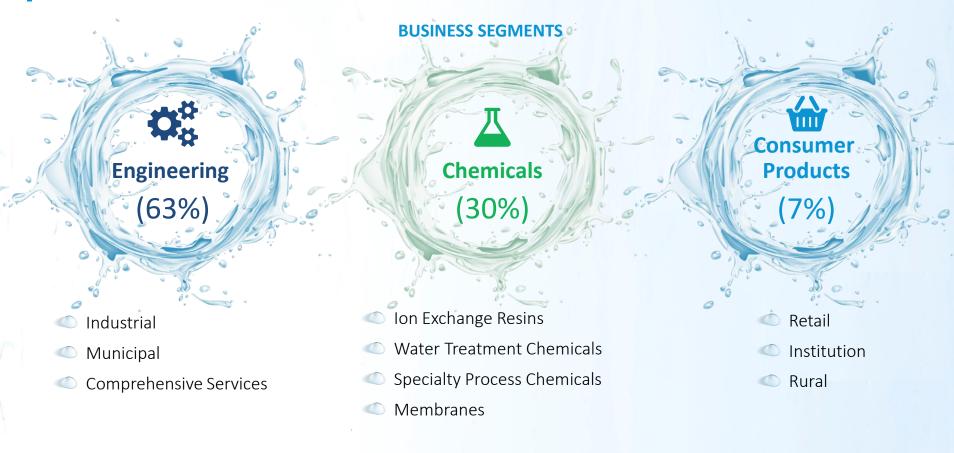


## **Business**

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**

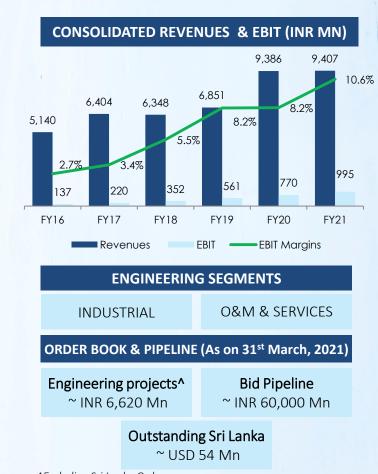


^ Consolidated as on FY2020

17

# 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 31<sup>st</sup> March, 2021 has an approximate order book of INR 6,620 Mn excluding Sri Lanka project. The Sri Lanka project outstanding ~ USD 54 Mn.



# 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.



# 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









# **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**

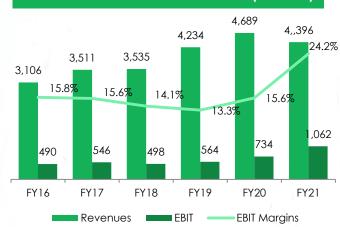
- "Namami Gange", the clean Ganga initiative, can create significant opportunities.
- INR 200 bn (USD 3 bn) has been pledged by the government over the next five years to clean up the Ganga.
- The CPCB has introduced tighter waste water discharge standards for municipal waste water treatment plants.
- Future facilities will need to comply with these standards, while existing waste water treatment plants will need to meet them within five years.

23

# 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:
  - o 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.
  - o Resins for removal of colour, odour, organics, nitrate, iron, fluoride, arsenic and tannin.
  - o 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.
- In 2019, global demand for water treatment chemicals totalled USD 29 Bn which is forecasted to rise at CAGR of 4.2% per year to USD 41 Bn in 2027.
- 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

## WATER SOFTENERS



### **CONSOLIDATED REVENUES\* (INR MN)**



#### **RO PURIFIERS**



### **NON-ELECTRIC PURIFIERS**





# CONSOLIDATED INCOME STATEMENT (As per IND-AS)

INCOME STATEMENT (INR MN)	FY18	FY19	FY20	FY21
Operating Income	10,549	11,623	14,798	14,495
Expenses	9,779	10,557	13,453	12,472
Operating EBITDA	770	1,066	1,345	2,023
Operating EBITDA Margins (%)	7.30%	9.17%	9.09%	13.96%
Depreciation	131	196	235	277
Finance Cost	187	190	160	126
Other Income	211	333	354	331
РВТ	663	1,013	1,304	1,951
Share of Profit of equity accounted Investee	(1)	5	5	(1)
Tax	263	359	367	517
Profit After Tax	399	659	942	1,433
PAT Margins (%)	3.78%	5.67%	6.37%	9.89%
Other Comprehensive Income	(14)	1	2	(2)
Total Comprehensive Income	385	660	944	1,431
EPS Diluted (INR)	34.46*	56.99*	80.22#	121.41^

<sup>\*</sup>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)

#Earnings per equity share includes impact of equity shares held by IEI Shareholding (Staff Welfare) Trusts (No. of Shares-23,68,939) and shares held by Subsidiary companies (No. of Shares-4,37,874)

^Earnings per equity share includes impact of equity shares held by IEI Shareholding (Staff Welfare) Trusts (No. of Shares-23,68,939), shares held by Subsidiary companies (No. of Shares-4,37,874) and HMIL Shareholding (Staff Welfare) Trusts (No of Shares-4,675)

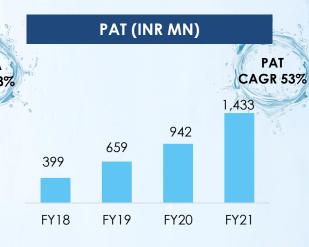
# CONSOLIDATED BALANCE SHEET (IND-AS)

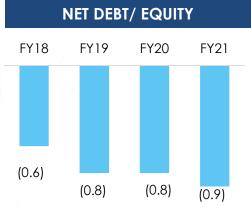
PARTICULARS (INR MN)	FY19	FY20	FY21	PARTICULARS (INR MN)	FY19	FY20	FY21
EQUITIES & LIABILITIES				ASSETS			
Equity				Non-Current Assets			
(A) Equity Share Capital	142	142	142	(A) Property, Plant and Equipment	1,507	1,459	1,486
(B) Other Equity	2,458	3,489	4,916	(B) Capital Work-in-progress	123	115	146
Equity attributable to owners	2,600	3,631	5,058	(C) Right-of-Use Assets	-	379	303
Non Controlling Interest	22	20	(1)	(D) Other Intangible Assets	14	16	22
Total Equity	2,622	3,651	5,057	(E) Goodwill	86	86	86
				(F) Investment accounted using Equity Method	34	37	36
Non-Current Liabilities				(G) Financial Assets			
(A) Financial Liabilities				(i) Investments	7	7	7
(i) Borrowings	261	187	79	(ii) Trade Receivables	142	62	45
(ii) Lease liabilities	=	106	48	(iii) Loans	100	118	118
(iii) Other Financial Liabilities	81	81	85	(iv) Other Financial Assets	70	65	59
(B) Provisions	133	157	171	(H) Deferred Tax Assets (Net)	10	15	53
(C) Deferred Tax Liabilities (Net)	11	5	-	(I) Other Non-Current Assets	167	165	136
(D) Other Non-Current Liabilities	6	5	5	(J) Non-Current Tax Assets	5	5	$\epsilon$
(E) Non-current tax liabilities (Net)	16	19	-	Total Non – Current Assets	2,265	2,529	2,503
Total Non – Current Liabilities	508	560	388	Current Assets			
				(A) Inventories	1,298	1,345	1,276
Current Liabilities				(B) Financial Assets			
(A) Financial Liabilities				(i) Investments	4	1	2
(i) Borrowings	667	723	326	(ii) Trade Receivables	4,242	5,019	4,489
(ii) Lease liabilities	-	97	61	(iii) Cash & Cash Equivalents	452	1,015	921
(iii) Trade Payables	4,151	4,936	5,353	(iv) Bank Balances	2,452	2,716	4,133
(iv) Other Financial Liabilities	428	438	419	(v) Loans	91	173	154
(B) Other Current Liabilities	3,078	3,190	2,518	(vi) Other Financial Assets	197	237	106
(C) Provisions	45	56	53	(C) Current Tax Assets (Net)	13	15	7
(D) Current tax liabilties (Net)	154	171	258	(D) Other Current Assets	639	772	842
Total Current Liabilities	8,523	9,611	8,988	Total Current Assets	9,388	11,293	11,930
GRAND TOTAL - EQUITIES & LIABILITES	11,653	13,822	14,433	GRAND TOTAL – ASSETS	11,653	13,822	14,433
							29

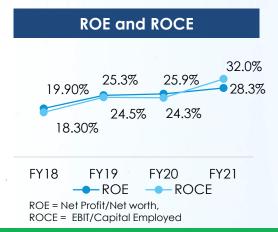
## FINANCIALS - CONSOLIDATED











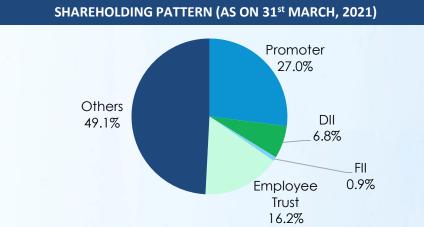


# Market Data (Bloomberg – ION IN, Reuters – IONX.BO)

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



PRICE DATA (AS ON 31st MARCH, 2021)	
Face value (INR)	10.0
Market Price (INR)	1,306.5
52 Week H/L (INR)	1,495.0/585.0
Market Cap (INR Mn)	19,161.3
Equity Shares Outstanding (Mn)	14.7
1 Year Avg. trading volume ('000)	34.8



## Disclaimer

#### Ion Exchange (India) Limited

No representation or warranty, express or implied, is made as to, and no reliance should be placed on, the fairness, accuracy, completeness or correctness of the information or opinions contained in this presentation. Such information and opinions are in all events not current after the date of this presentation. Certain statements made in this presentation may not be based on historical information or facts and may be "forward looking statements" based on the currently held beliefs and assumptions of the management of Ion Exchange (India) Limited ("Company" or "IONEX"), which are expressed in good faith and in their opinion reasonable, including those relating to the Company's general business plans and strategy, its future financial condition and growth prospects and future developments in its industry and its competitive and regulatory environment.

Forward-looking statements involve known and unknown risks, uncertainties and other factors, which may cause the actual results, financial condition, performance or achievements of the Company or industry results to differ materially from the results, financial condition, performance or achievements expressed or implied by such forward-looking statements, including future changes or developments in the Company's business, its competitive environment and political, economic, legal and social conditions. Further, past performance is not necessarily indicative of future results. Given these risks, uncertainties and other factors, viewers of this presentation are cautioned not to place undue reliance on these forward-looking statements. The Company disclaims any obligation to update these forward-looking statements to reflect future events or developments.

This presentation is for general information purposes only, without regard to any specific objectives, financial situations or informational needs of any particular person. This presentation does not constitute an offer or invitation to purchase or subscribe for any securities in any jurisdiction, including the United States. No part of it should form the basis of or be relied upon in connection with any investment decision or any contract or commitment to purchase or subscribe for any securities. None of our securities may be offered or sold in the United States, without registration under the U.S. Securities Act of 1933, as amended, or pursuant to an exemption from registration there from.

This presentation is confidential and may not be copied or disseminated, in whole or in part, and in any manner.

#### Valorem Advisors Disclaimer:

Valorem Advisors is an Independent Investor Relations Management Service company. This Presentation has been prepared by Valorem Advisors based on information and data which the Company considers reliable, but Valorem Advisors and the Company makes no representation or warranty, express or implied, whatsoever, and no reliance shall be placed on, the truth, accuracy, completeness, fairness and reasonableness of the contents of this Presentation. This Presentation may not be all inclusive and may not contain all of the information that you may consider material. Any liability in respect of the contents of, or any omission from, this Presentation is expressly excluded.

Valorem Advisors also hereby certifies that the directors or employees of Valorem Advisors do not own any stock in personal or company capacity of the Company under review.



For further details please contact our Investor Relations Representatives: VALOREM ADVISORS

Mr. Anuj Sonpal

Tel: +91-22-49039500

Email: ion@valoremadvisors.com

