

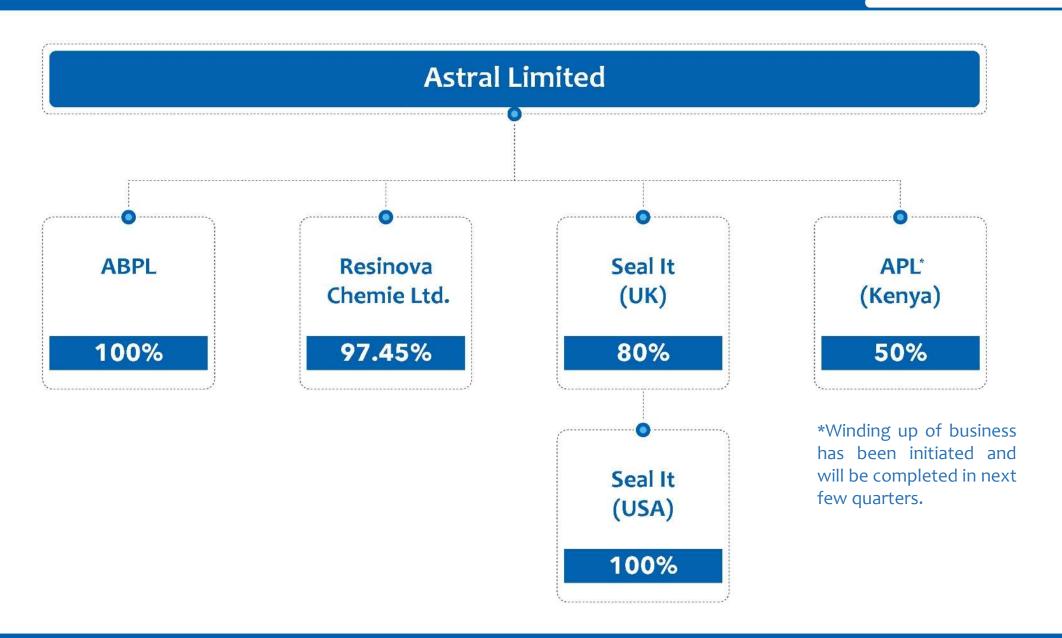
OPERATING IN FOUR HIGH GROWTH CATEGORIES





CORPORATE STRUCTURE





ASTRAL THE TRENDSETTER



First to introduce CPVC pipes in India

Two water tanks mfg. facilities and third is under construction

Introduced countless innovations in pipes category

Offers the widest range of product in pipes category

Six pipes mfg. facilities and two units under construction

Three adhesives mfg. facilities in India, one in UK and one in USA

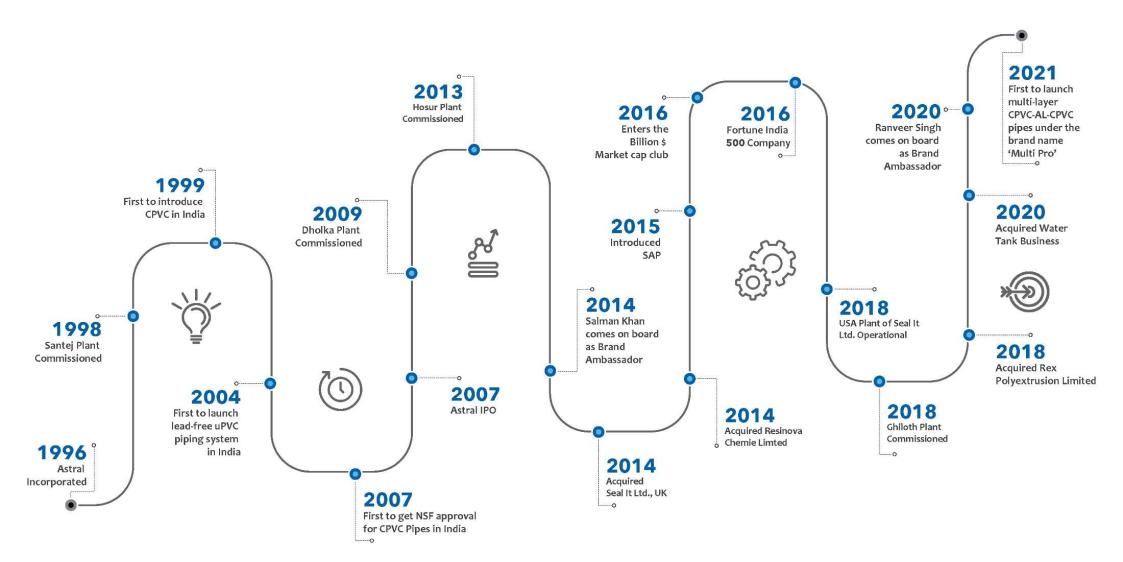
Ahead on the technology curve, known for world-class quality and service

Robust network of channel partners

Introduced DWC and infrastructure products in Infra segment

ASTRAL JOURNEY





ASTRAL – VISION AND VALUES



Vision & Values

Astral aims to be a truly global, high-performing organisation delivering quality products and services to its customers and attain leadership position in the industries we operate in. At Astral, we believe in certain values:



Strive to prevent accidents, injuries, and illness at work. Provide products that meet the highest safety standards.

Excellence 🂸

Be trendsetters in the industry by delivering exceptional performance. Deliver quality products and services to our customers.

Integrity A

Be honest, fair and do the right thing in the right way. Operate in letter and spirit of the highest standards of corporate ethics.

Teamwork 7



Be unbiased and respect individual contributions that stem from their diverse backgrounds.

Equitability



Unleash hidden potential of employees by promoting a culture of teamwork across the organisation. Provide products that meet the highest safety standards.

ASTRAL AT A GLANCE





1996, Astral Incorporated



- 6 Manufacturing Plants (Pipes)
- 5 Manufacturing Plants (Adhesives & Sealants)
- 2 Manufacturing Plants (Water Tanks)



- 12 Depot (Pipes)
- **9 Depot** (Adhesives & Sealants)





2,57,946 M.T. PA Production Capacity (Pipes + Water Tanks) 92,176 M.T. PA Production Capacity (Adhesives & Sealants)



4,800+ Employees



33,000+ Dealers (Pipes)
1,30,000+ Dealers
(Adhesives & Sealants)



850+ Distributor (Pipes)

1,300+ Distributor (Adhesives & Sealants)



Exporting to **25**+ countries



Manufacturing presence in 3 countries

AWARDS AND RECOGNITION – ASTRAL PIPES





Recognised as **Enterprising Entrepreneur**





Awarded as Business Standard Star SME





Recognised for **Smart Innovation** by Inc. India Innovative 100 under category of 'Technology'





Awarded as India's Most Promising Brand





Awarded as Value Creator during the first ever Fortune India Next 500





Awarded as India's Most Attractive Pipe Brand





Awarded as India's Most Trusted Pipe Brand in the year 2016, 2019 and 2020





Recognised as **Consumer Validated Superbrand** - **India** for 2017 and then for three consecutive years 2019, 2020 and 2021

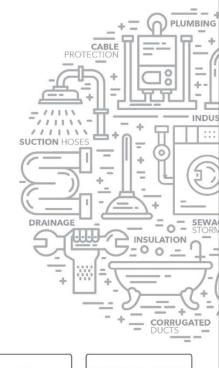


ASTRAL – THE TORCH BEARER IN THE PIPES CATEGORY





St TO INTRODUCE IN INDIA



CPVC Pipes & Fittings uPVC Lead-free Pipes & Fittings NSF Approved CPVC Pipes Foamcore PVC Drainage System

Low Noise PP Drainage System Lead-free Column Pipes Indigenous CPVC Compounds Water Tanks With Anti-viral Copper Shield CPVC-AL-CPVC Multi-layer Composite Pipes

1998

2004

2007

2008

2010

2013

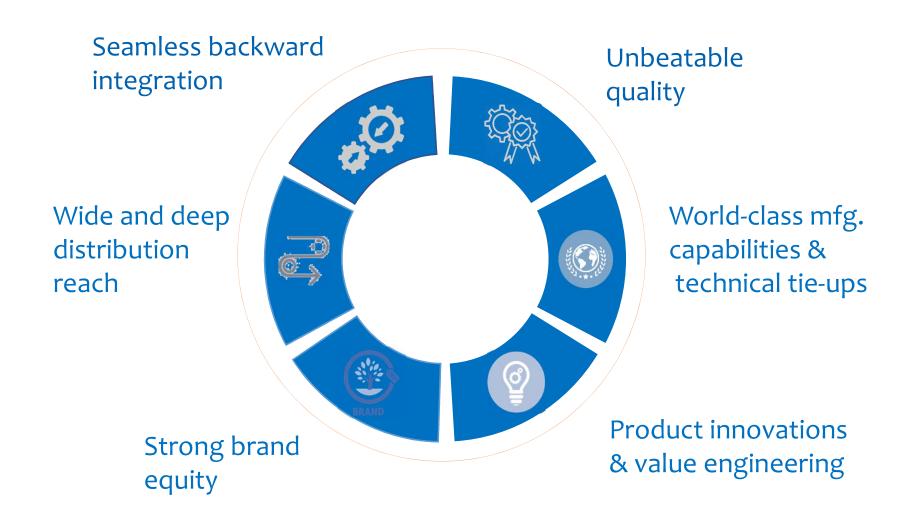
2016

2021

2021

ASTRAL PIPES - CORE COMPETENCIES





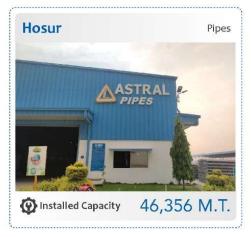
ASTRAL - PIPES & WATER TANKS MANUFACTURING UNITS















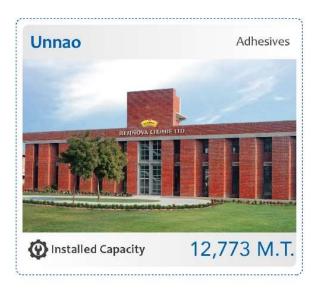


ASTRAL – ADHESIVES & SEALANTS MANUFACTURING UNITS











UPCOMING PLANTS – ASTRAL PIPES

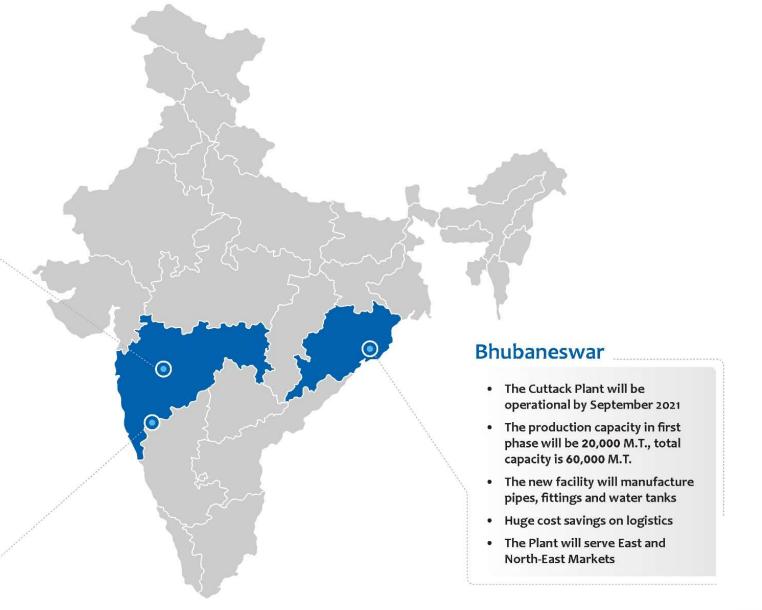


Aurangabad

- The Aurangabad Plant will soon have pipe manufacturing capacity of 5,000 M.T.
- This will enable huge cost savings on logistics and increase operational profits
- The Plant will serve Central and West India Markets

Sangli

- The Sangli Plant will have additional pipe manufacturing capacity of 8,856 M.T.
- Agri, SWR and GeoRex PVC pipes will be manufactured
- This will enable huge cost savings on logistics and increase operational profits
- The Plant will serve West and South Indian Markets



PIPES PLANT AT CUTTACK TO BE OPERATIONAL BY SEPT. 2021





3D Layout of Proposed Plant



Actual Image as on 31/3/2021



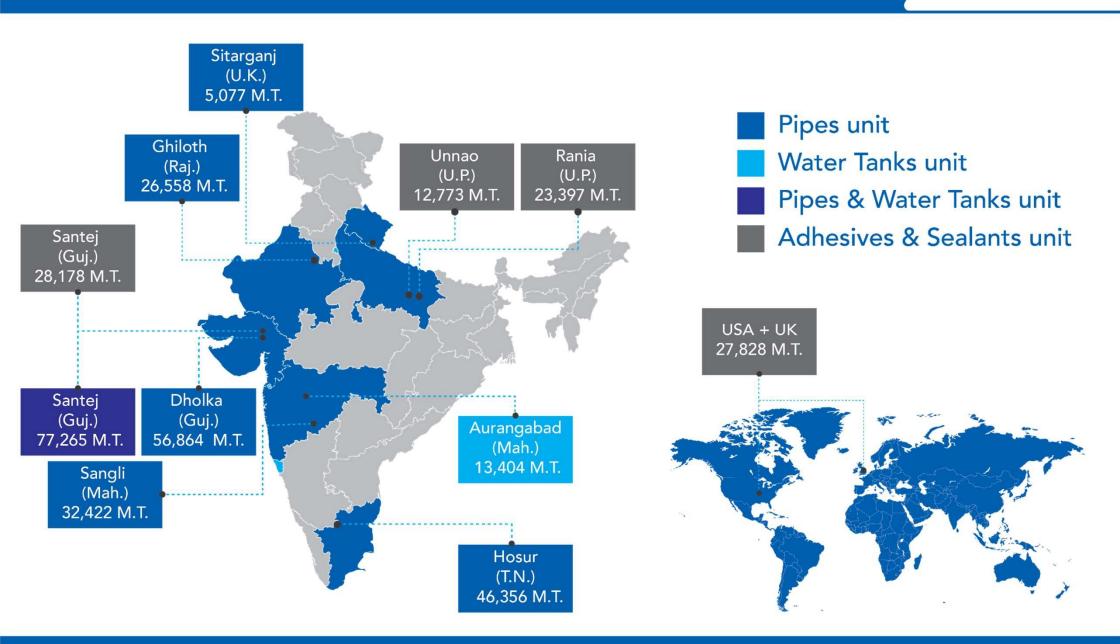
Actual Image as on 31/3/2021



Actual Image as on 31/3/2021

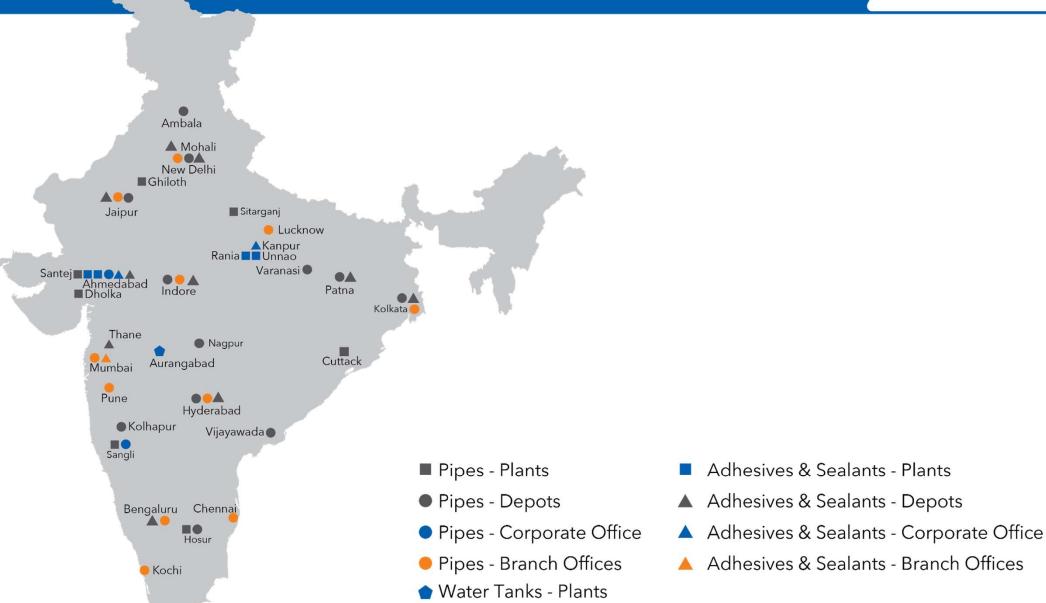
ASTRAL MANUFACTURING FACILITIES





ASTRAL'S PAN INDIA PRESENCE





ASTRAL PIPES PRODUCTS AT A GLANCE



Plumbing System

















Drainage System



ASTRAL

ASTRAL UNDER

DRAINAGE SYSTEMS





















Agriculture System

















ASTRAL PIPES & WATER TANKS PRODUCTS AT A GLANCE

















Solvent Cements









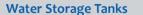
























ASTRAL ADHESIVES & SEALANTS PRODUCTS AT A GLANCE



Epoxy Adhesives & Putty









Silicone Sealants









Construction Chemicals





Rubber Adhesive







Solvent Cements

















TRUZO







Tapes









ASTRAL ADHESIVES & SEALANTS PRODUCTS AT A GLANCE









Membrane & Coating





Cyanoacrylate





Industrial Adhesives













Clear Acrylic Adhesives





Instant Hand Sanitizer

Resi Shield



Anaerobic Adhesives





Tiling, Grouting & Repair Mortar





NEW PRODUCT LAUNCH – ASTRAL WATER TANKS



India's first Water Storage Tank with Anti-Viral* Copper Shield













...







WIDE RANGE OF PRODUCT OFFERING



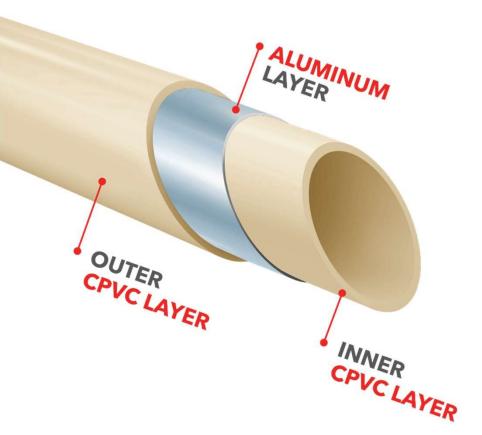


500L - 700L - 1000L - 1500L - 2000L - 3000L - 5000L

NEW PRODUCT LAUNCH – ASTRAL MULTI-PRO







Multi-layer composite pipes for hot and cold water plumbing



NEW PRODUCT LAUNCH - SARITA WATER TANKS BY ASTRAL





In the year 2020, Astral acquired Sarita - Aurangabad based a trusted brand name with decades of experience and expertise in manufacturing water tanks.











Storage Capacity: 200L - 10,000L

Product Range: Vertical - Loft



NEW PRODUCT LAUNCH - ASTRAL ADHESIVES





Premium Range of Solvent Cement for CPVC, uPVC & PVC Pipes which are made as per International Standards.















D3 Grade of PVA Adhesive as per EN 204 International Standard









NEW PRODUCT LAUNCH – ASTRAL ADHESIVES





APC 225

Acrylic Polymer coat for waterproofing applications



TRU PU

PU Bitumen liquid membrane



AQUALOCK

Two part waterproofing membrane



CFP 425

Cement and acrylic based crack filling compound





BONDSET GP

General purpose epoxy putty with higher working time



KANGANEW

KANGAN FIX

High working time epoxy adhesive for bangle application



ASTRAL PIPES - LOYALTY PROGRAM









An unique Loyalty Program for plumbers and dealers across the country

The plumbers and dealers can accumulate points based on their purchases of Astral Pipe products and redeem those points to get attractive rewards like appliances, bike, car etc.

BRANDING AND COMMUNICATIONS – ASTRAL PIPES



Ranveer Singh, the new face of Astral Pipes – India's most trusted pipe



Astral Pipes has been awarded as The Most Trusted Pipe Brand by TRA Research for 2019 and 2020. This consumer trust is a result of consistent quality and product innovations and hence, the launch campaign with Ranveer Singh had been conceptualized based on insight of consumer trust.



TRAL CPVCPRO

BRANDING AND COMMUNICATIONS – ASTRAL PIPES





Associate Partner





Official Sponsor





Team Sponsor



- Astral Pipes Co-Sponsored three IPL Teams in 2020 edition.
- Astral Pipes placed branding on jersey sleeve with respect to MI and KKR and on RCB helmet/cap.
- IPL 2020 had
 historically highest
 viewership and
 benefitted our brand
 hugely.

BRANDING AND COMMUNICATIONS – ASTRAL PIPES





Out of the four teams sponsored by Astral, Mumbai Indians and Delhi Capitals reached the Finals and MI became the Champions.

DREAM11 INDIAN PREMIER LEAGUE CHAMPIONS 2020

ASTRAL ADHESIVES - BRANDING AND COMMUNICATIONS





Official Partner



- Astral Adhesives cosponsored Delhi Capitals and took BondTite branding on jersey sleeve.
- The team went on to reach the IPL 2020 finals





- Executed successful online promotional campaign for Mirzapur 2 series – with BondTite
- The campaign went trending on social media and helped create buzz around the brand

SEEKING GROWTH, THE ESG WAY







Completed a consolidated **2,414** kWp solar roof top panel at our four manufacturing locations



Two manufacturing locations at Santej and Dholka are using wind energy through open Access



Substantial increase in investment for energy conservation to INR 627 lacs Vs INR 21 lacs in previous year



Increased training hours in a year by 131% compared to previous year



Certified with ISO 14001:2015 and ISO 45001:2018 for integrated management system implementation

SEEKING GROWTH, THE ESG WAY







4% increase in headcount of women employees
13% increase in total headcount of permanent employees



Financial aid in Covid-19 situation to support plumber community Launched a Sanitizer Resi Shield to help curb the Covid-19 pandemic



17% growth in CSR expenditure



CSR committee is in place which is headed by the Executive Director of the Company



There is a separate Code of Conduct for Board members and senior management personnel

COVID 19 – RESPONSE AND PREPAREDNESS





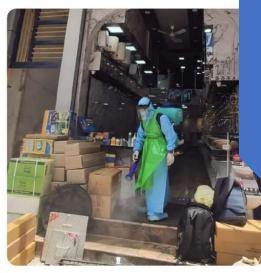
Facilitated Samved, Shalby and Global Hospitals with BIPAP, Ventilators and Patient Monitoring Systems so that more patients can be treated on time and more lives can be saved

COVID 19 – RESPONSE AND PREPAREDNESS









- Distributed PayTM vouchers to needy plumbers during the pandemic
- Sponsored shop sanitizing for channel partners
- Distributed masks and sanitizers to the channel partners
- Provided PPE kits to CIMS foundation

COVID 19 – RESPONSE AND PREPAREDNESS







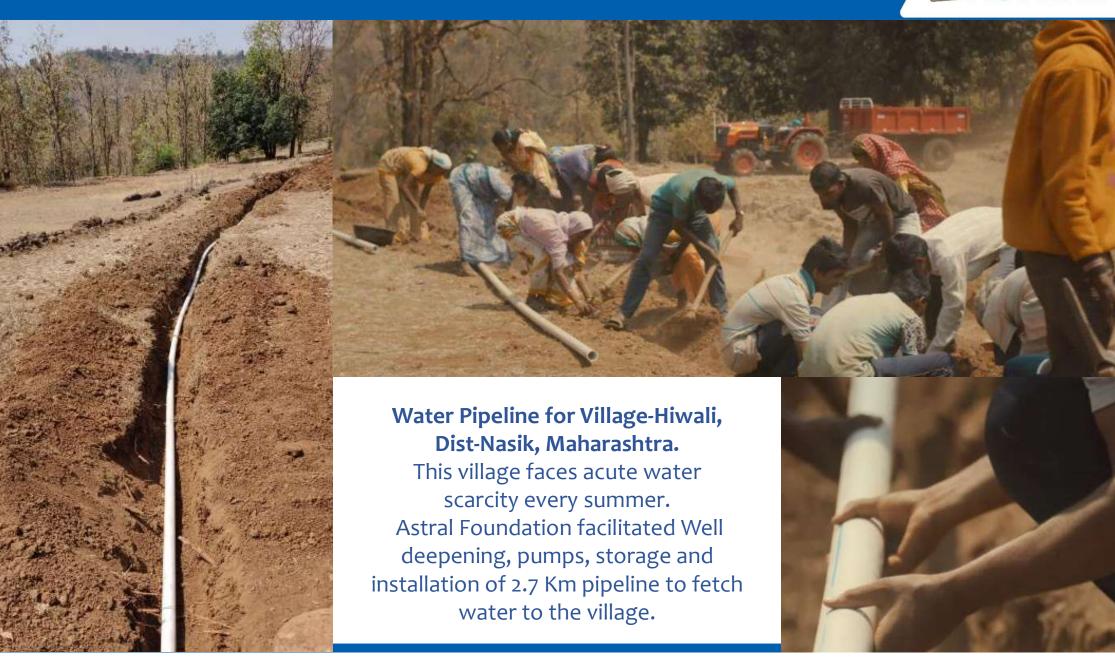




Covid-19 vaccination camps organized at Astral Pipes and Adhesives manufacturing units

CSR INITIATIVE – WATER PIPE LINE PROJECT HIWALI





CSR INITIATIVES - HEALTH





Facilitated an ambulance under Aarogyam project to District Health Department



Providing nutritional biscuits to pregnant women under Aarogyam project



Healthy
mother
healthy baby
project providing
medical aid to
pregnant
women



Organized
consultation
camp for
children
suffering from
type-1 diabetes
Rajkot

CSR INITIATIVES - HEALTH





Congenital deformity corrective surgery camp



Providing sanitary pads to adolescent girls without any cost



Senior citizen cataract surgery camp



Dead body van facilitated to AMC for community health

CSR INITIATIVES - EDUCATION





Smart Class set up provided for education and training to various institutes



Supported 123 students for scholarship and further studies



Smart Class set up for differently abled students



Renovation of old buildings of Angan wadi

CSR INITIATIVES – WILD LIFE





Pipeline project
using solar
powered water
pumps to move
rain water up so as
to maintain water
holes for the
wildlife



Solar pumps installation for providing water to wildlife at various places



Rescue and rehabilitation of displaced wildlife during the Assam floods



Project for mitigating interspecies disease transmission between wild, herbivore and domestic animals

CSR INITIATIVES





Facilitated with patrolling vehicles for the forest guards



Solar water heaters provided to old age homes



Electrification of camps of anti-poaching guards



Vehicle and health care facilities provided to orphan children living in Shishu Gruh

CORPORATE SOCIAL RESPONSIBILITY



- Contribution to Brihan Mumbai licensed plumber association for medical and educational aid to the needy people
- Supported residential doctors of SVP Hospital by providing 100 stethoscopes
- Provided day-to-day essentials to the home for mentally challenged girls
- Provided deep freeze to Navjyot Andhjan Mandal
- Provided swings and LED TVs to old age homes
- Contribution to Last Wilderness Foundation for Village Watchers Program, Panna Tiger Reserve
- Distributed sewing machines to differently abled people
- Contribution to Earth Brigade Foundation for wildlife conservation
- Contribution to the Rotary Club Ahmedabad Metro Charitable Trust
- Contribution to Astral Charitable Trust for yoga and other activities
- Set up library in remote tribal areas of Maharashtra
- Provided Autorefractometer with Keratometer equipment for Porecha Eye Hospital

FINANCIAL HIGHLIGHTS

INDUSTRY OUTLOOK - PIPES



- Industry consolidation is likely to consolidate post second Covid-19 wave
- Regional unorganized players to continue to bleed more
- Govt. spending under various schemes such a Jal-Se-Nal, low cost housing scheme etc. will spend sizeable amount on pipe installations
- Polymer price volatility is going to Support cash rich companies because the additional working capital requirement can be managed
- Expecting favorable pricing in CPVC pipe segment in the coming years benefit to top players
- Higher PVC pricing will lead to market cannibalization towards CPVC products

INDUSTRY OUTLOOK ADHESIVES & SEALANTS



- Industry consolidation is likely to consolidate post second Covid-19 wave
- Regional unorganized players to continue to loose market share
- Covid-19 second wave will give support to pent up demand due to lock down
- Higher chemical prices to support financially capable companies to grow their market shares
- New categories to outpace other categories in terms of growth in coming times
- Expect Industry to grow double digit in normal circumstances

ASTRAL PIPES - REVENUE OUTLOOK FOR NEXT 5 YEARS



- Pipes business is likely to double its revenue in next 5 years
 - 1. Overall Industry growth of 9% 10%
 - 2. Shift from Unorganized to organized sector
 - 3. Higher growth from recently launched products
 - 4. New product launches
 - 5. Decentralization of manufacturing plants
 - 6. Entering into new geographies
 - 7. Addition of new dealers & distributions

ASTRAL - ADHESIVES REVENUE OUTLOOK FOR NEXT 5 YEARS



Adhesives business is likely to double its revenue in next 4-5 years

- 1. Overall Industry growth of double digit
- 2. Shift from unorganized to organized sector
- 3. Higher growth from recently launched products
- 4. New product launches
- 5. Entering into new geographies
- 6. Addition of new dealers & distributions
- 7. Good support from UK & USA market

ASTRAL PIPES - EBIDTA MARGIN OUTLOOK



- Decentralization of manufacturing facilities
- Value added products like Valves / Multi Pro / Fire Pro /Silencio etc.
- Economies of Scale Operating leverage
- Better product mix
- Based on above margin levers, our EBIDTA Margins to remain on higher teens

OPTION VALUE



- Huge cash on book Rs. 476 Cr. (Rs.1,000 Cr. by FY-23) Open opportunity for sizeable acquisition or Green Field Projects
- Recently launch products (Tanks / DWC pipes / Multi Pro / Fire Pro / Silencio / Agri etc.) currently accounting for very low share of revenue which can be scaled up over next 5 years
- Recently launch products (Solvent Cements PVC-CPVC / Construction Chemicals / PVA / Epoxy etc.) currently accounting for very low share of revenue which can be scaled up over next 5 years
- East India plant represent the strong option value over next 5 years
- Additional two new pipe locations Sangli & Aurangabad can increase market shares in Maharashtra & Southern India Market over next 5 years time (Decentralization of manufacturing facilities)

OPTION VALUE

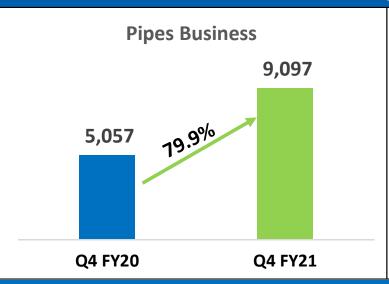


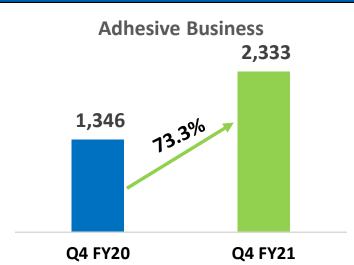
- We are likely to launch a few new products in Pipes segment in next 12-18 months time which can generate additional revenue of Rs.300 Cr. over next 5 years time
- We are also going to launch a few new products in Adhesive & Sealants segment under different chemistry which together with recently launch products and existing products will take the business to double from current level in next 4-5 years time
- Existing stand alone Pipes Business (current Market Share of 7.50%) likely to double its revenue over 5 years

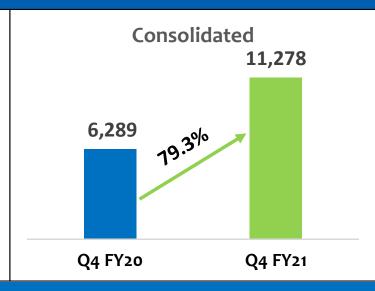
HIGHLIGHTS OF Q4 (INR MN.)



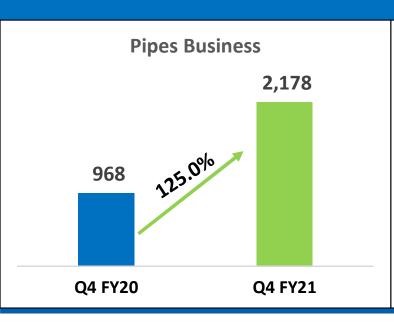
REVENUE FROM OPERATION

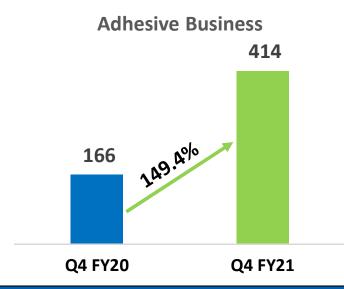


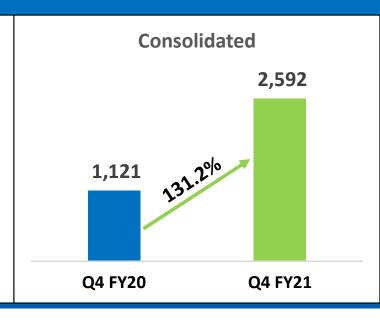




EBIDTA







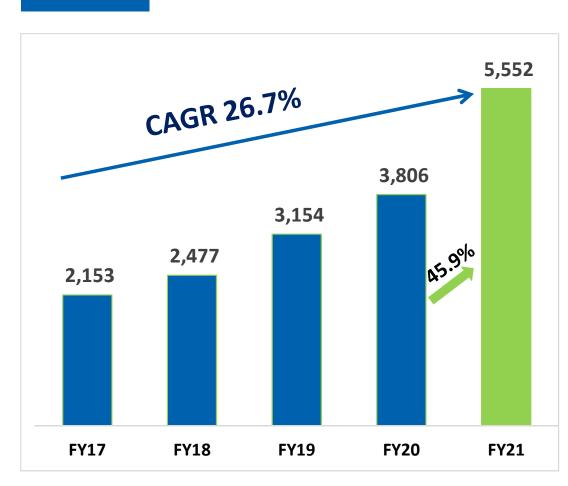
PIPES BUSINESS (INR MN.)



REVENUE FROM OPERATION

CAGR 13.9% 24,863 20,428 19,157 15,819 14,767 **FY17 FY18 FY19 FY20 FY21**

EBIDTA



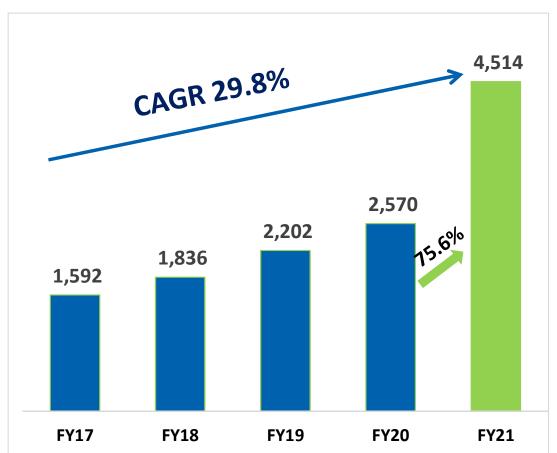
Sales of FY 18 is regrouped in compliance with Ind AS 115. During the year 18-19, Rex Poly extrusion is amalgamated with the company w.e.f. July 10, 2018.

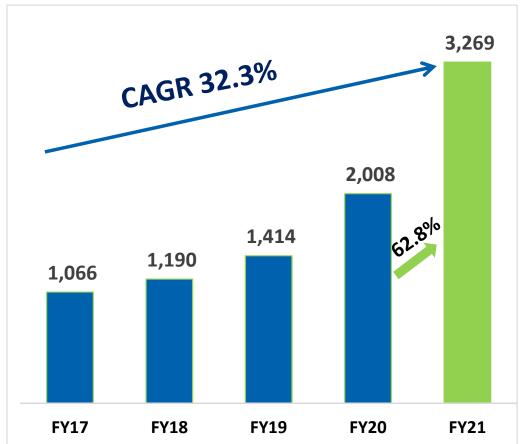
PIPES BUSINESS (INR MN.)



PBT (BEFORE EXCEPTIONAL ITEM)

PAT



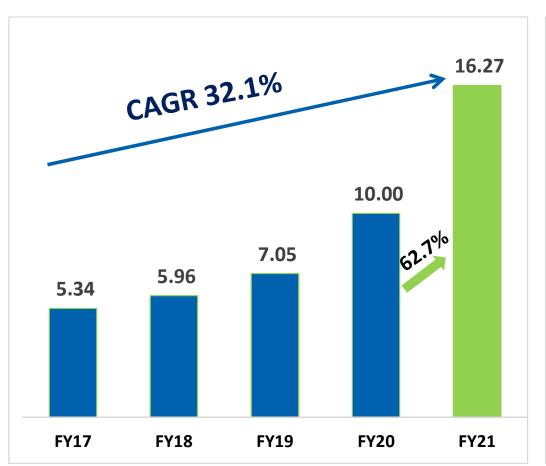


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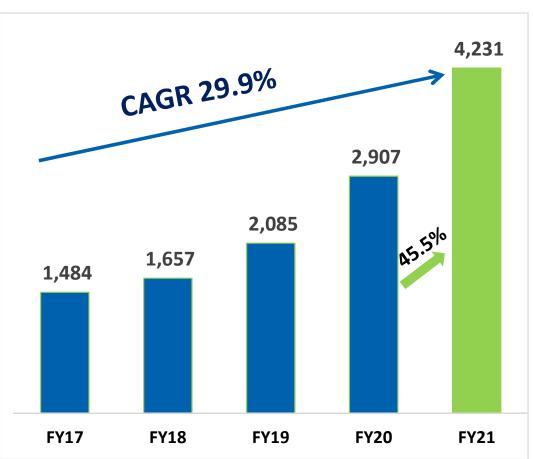
PIPES BUSINESS (INR MN. EXCEPT EPS)



EPS (IN INR)



CASH PROFIT

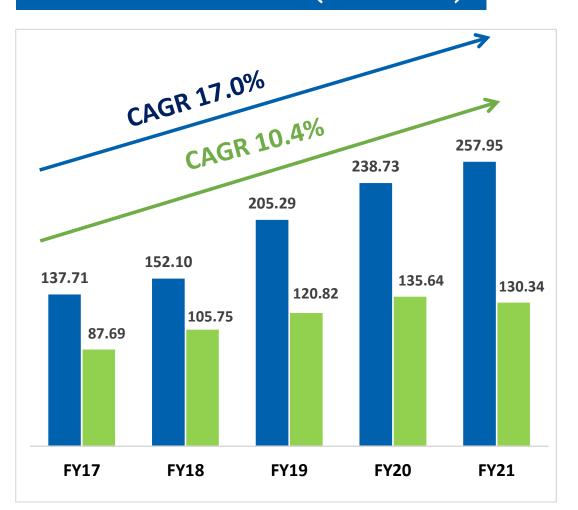


During the year 18-19, Rex Poly extrusion is amalgamated with the company w.e.f. July 10, 2018. EPS for FY 17 to FY 20 have been adjusted for bonus shares issued in current period.

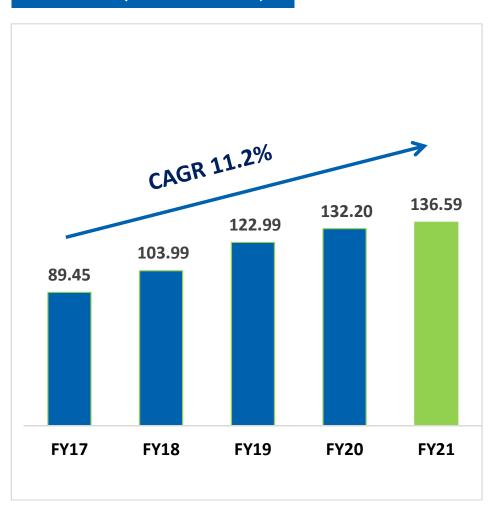
PIPES BUSINESS - CAPACITY, PRODUCTION & SALES TONNAGE



CAPACITY UTILIZATION (IN '000 MT)



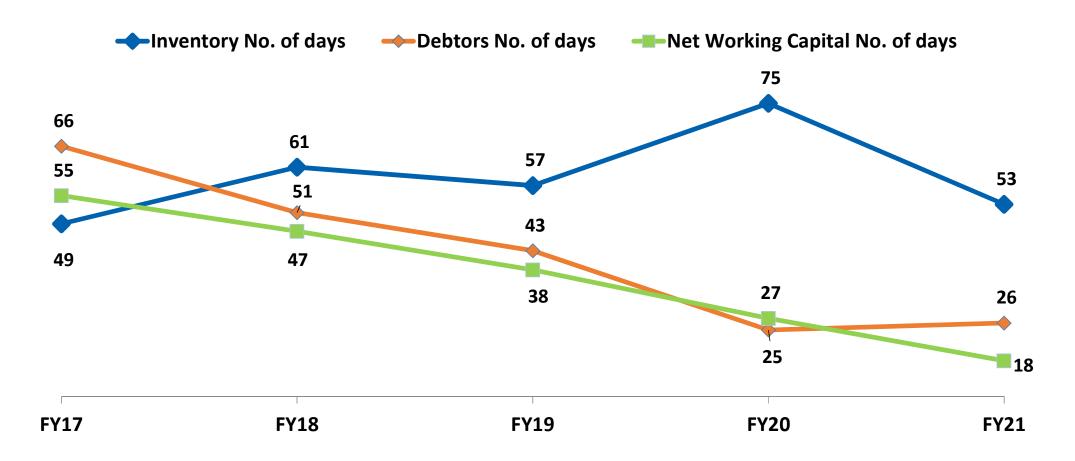
SALES (IN '000 MT)



During the year 18-19, Rex Poly extrusion is amalgamated with the company w.e.f. July 10, 2018.

PIPES BUSINESS – WORKING CAPITAL (IN DAYS)





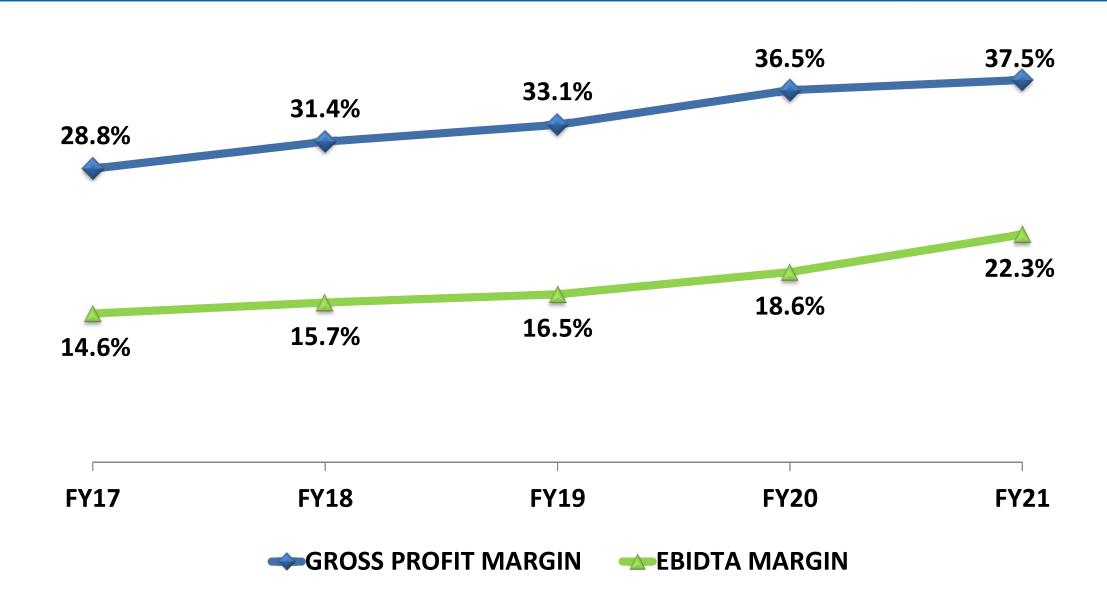
In FY20 Inventory days are higher than normal days mainly because of sudden lock down announced by Govt. Due to Covid-19 during the pick sales period of March End similarly Receivable days have come down proportionately.

Sales of FY 18 is regrouped in compliance with Ind AS 115.

During the year 18-19, Rex Poly extrusion is amalgamated with the company w.e.f. July 10, 2018.

PIPES BUSINESS – GROSS PROFIT AND EBIDTA MARGIN





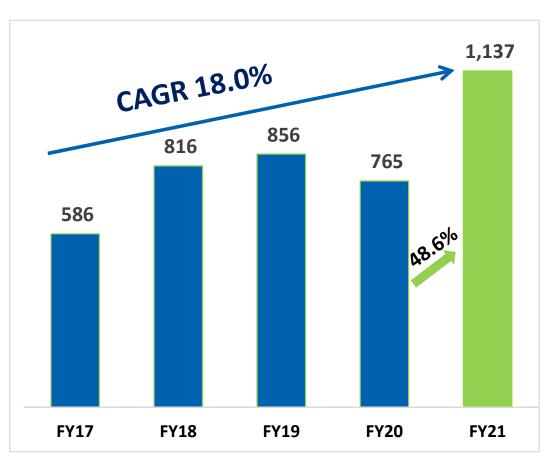
ADHESIVES BUSINESS SUMMARY OF SUBSIDIARIES (INR MN.)



REVENUE FROM OPERATION

CAGR 12.5% 7,345 6,347 5,830 5,265 4,584 **FY17 FY18 FY19 FY20** FY21

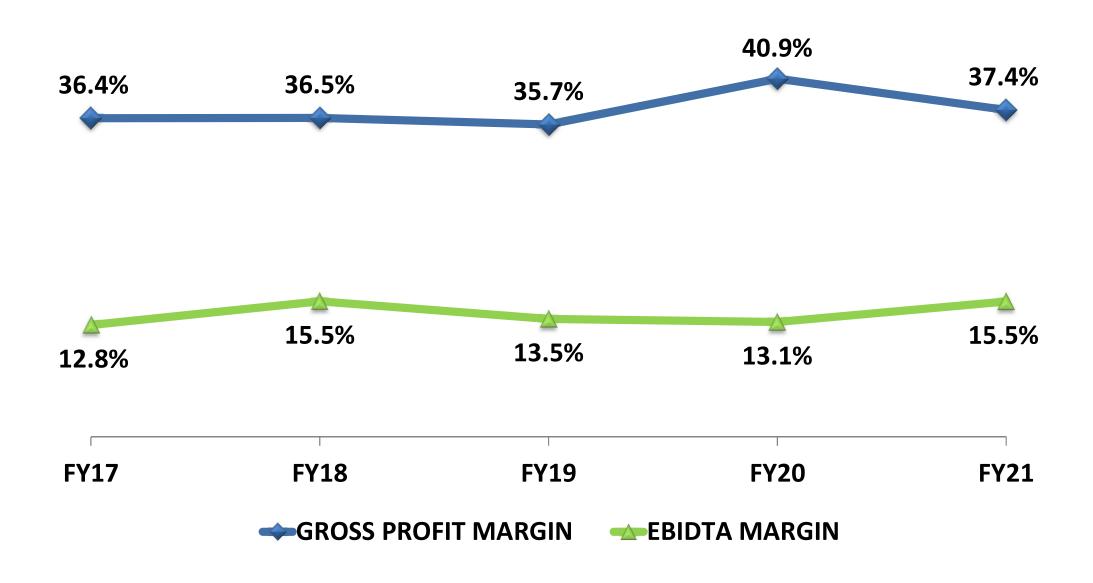
EBIDTA



Sales of FY 18 is regrouped in compliance with Ind AS 115.

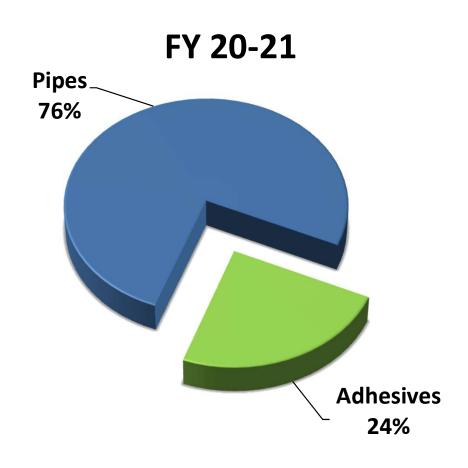
ADHESIVES BUSINESS – GROSS PROFIT AND EBIDTA MARGIN

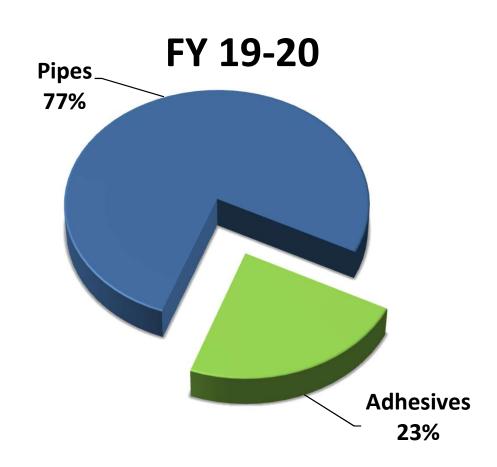




GROUP REVENUE BREAKUP



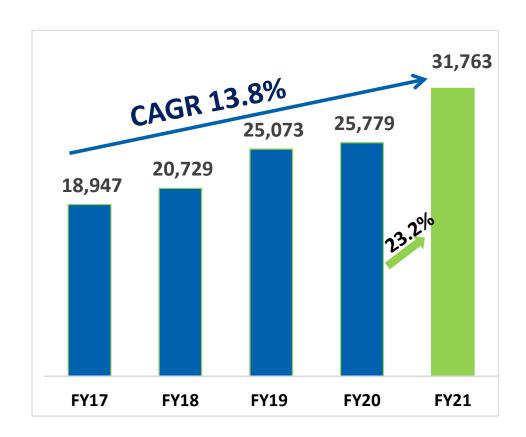




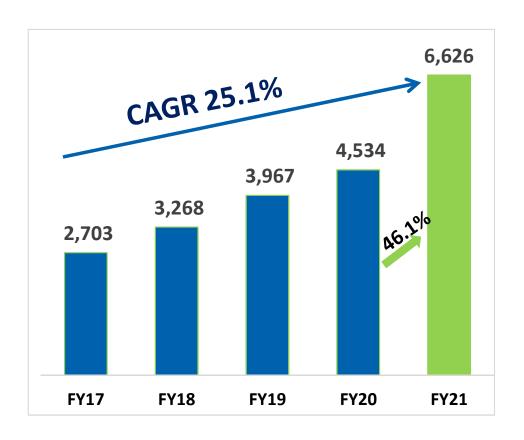
CONSOLIDATED (INR MN.)



REVENUE FROM OPERATION



EBIDTA

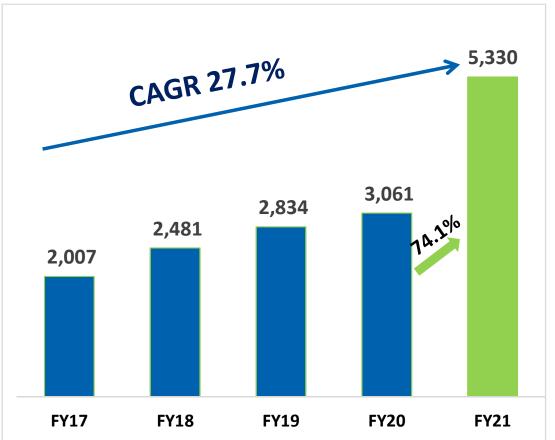


Sales of FY 18 is regrouped in compliance with Ind AS 115.

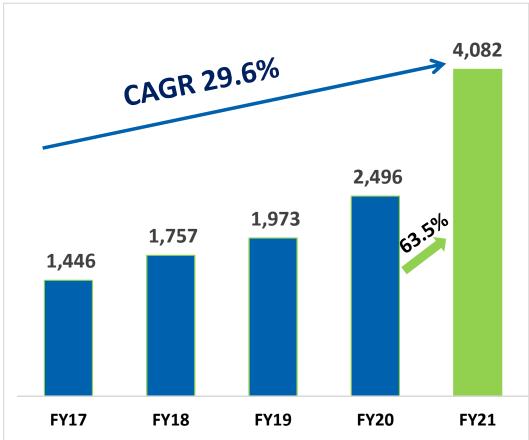
CONSOLIDATED (INR MN.)







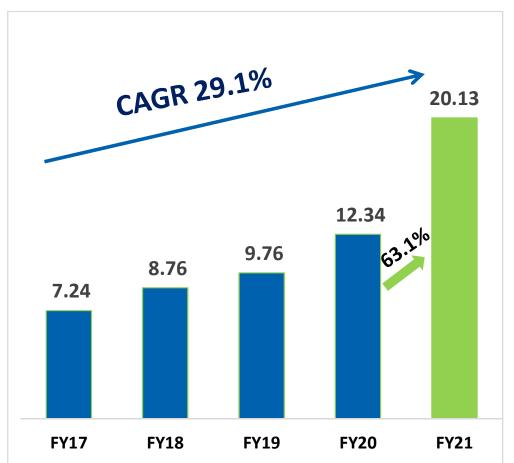
PAT



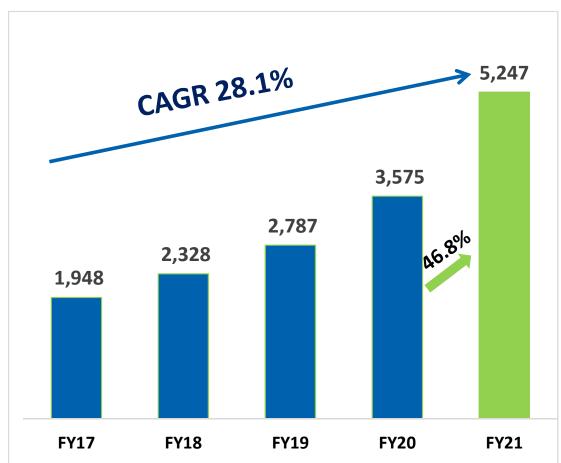
CONSOLIDATED (INR MN. EXCEPT EPS)







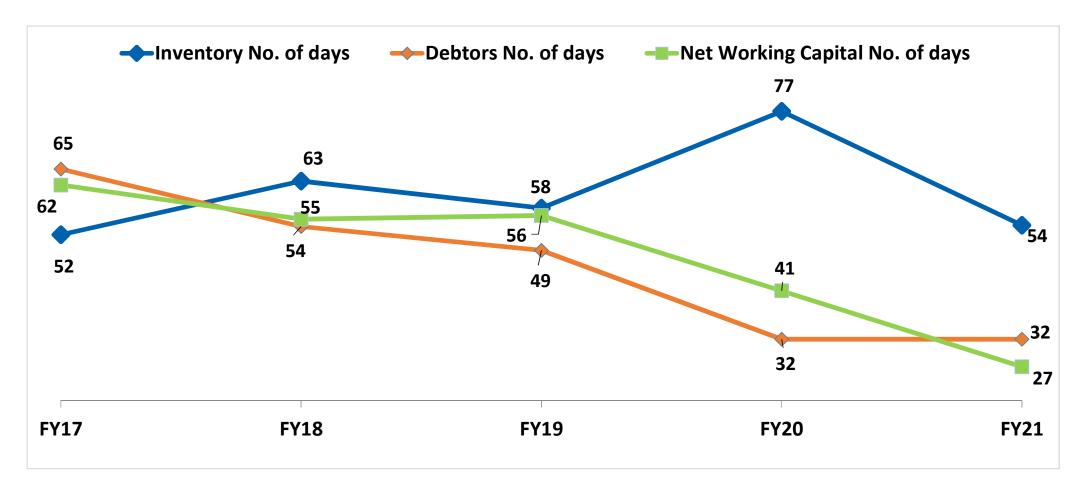
CASH PROFIT



EPS for FY 17 to FY 20 have been adjusted for bonus shares issued in current period.

GROUP WORKING CAPITAL (IN DAYS)



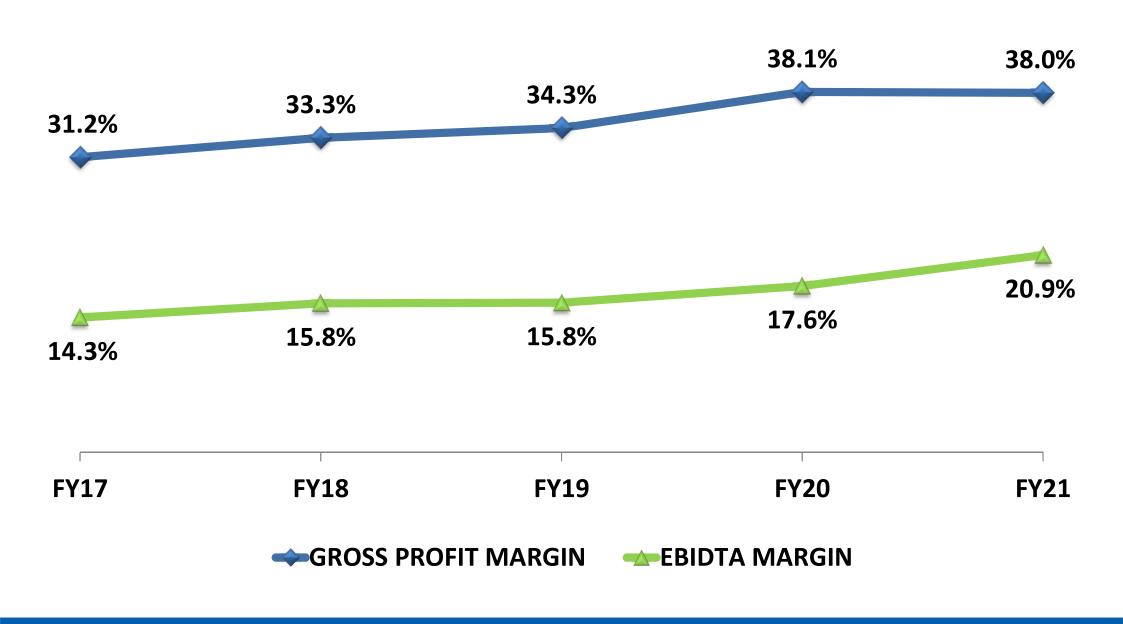


Inventory days are higher than normal days in Mar 20, mainly because of sudden lock down announced by Govt. Due to Covid-19 during the pick sales period of March End similarly Receivable days have come down proportionately.

Sales of FY 18 is regrouped in compliance with Ind AS 115.

CONSOLIDATED- GROSS PROFIT AND EBIDTA MARGIN

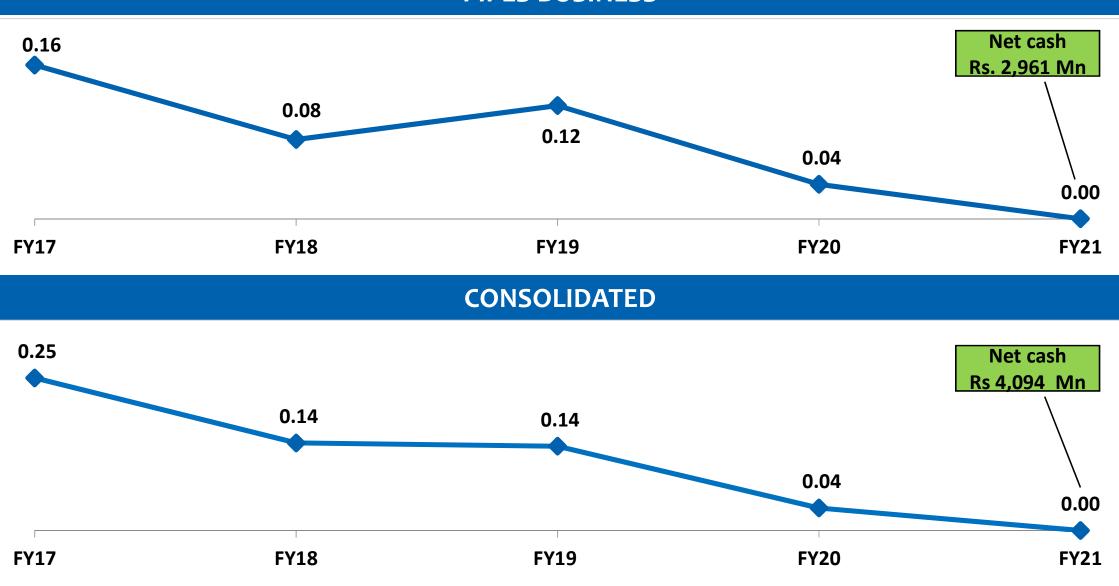




NET DEBT / EQUITY RATIO



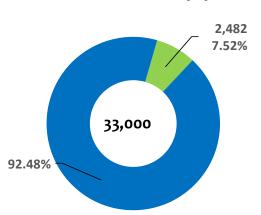
PIPES BUSINESS



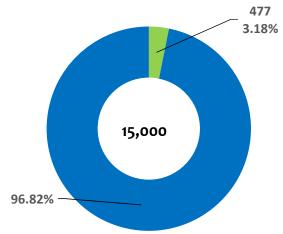
MARKET OPPORTUNITY VS ASTRAL MARKET SHARE (VALUE IN CRORES)



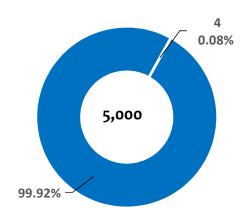




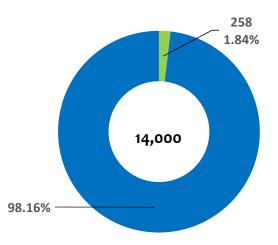
Adhesives, sealants and construction material (India)



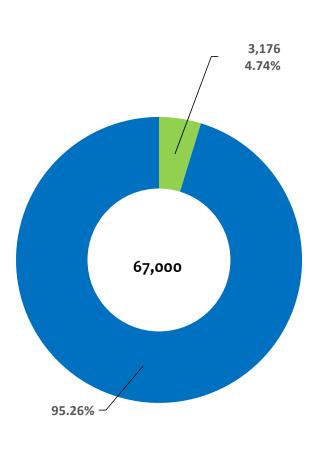
Water tanks



Adhesives, sealants and construction material (UK)



Consolidated

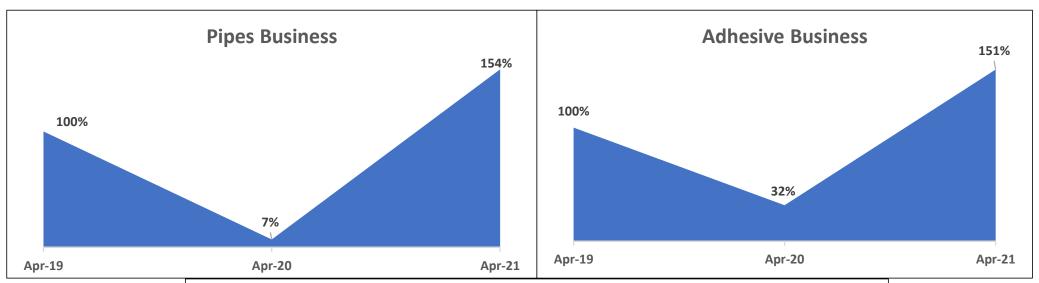


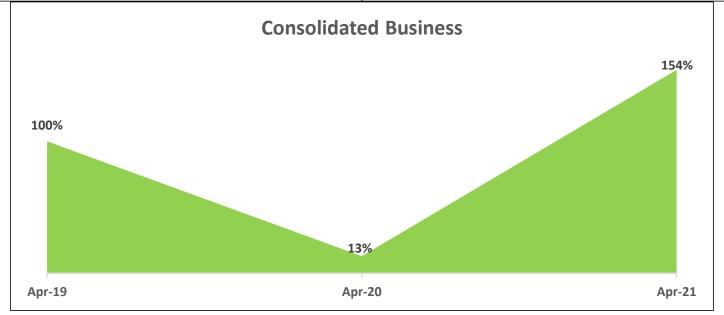
Astral Market share

Other than Astral

APRIL 21 PERFORMANCE (IN VALUE TERMS %)







KEY TAKE AWAY



- Demand scenario is good in the Industries (Both Pipes & Adhesives)
- Regional unorganized players continue to loose market share
- Recently launched products continue to give good growth
- Plastic storage tank opportunity is 5,000 Cr. in India. Astral is just starting its journey with existing 33,000+ Dealers
- New launches are in pipeline in the both segments Pipes & Adhesives
- Three new addition of locations in pipe going to decentralize manufacturing operations
- East India will be good growth driver where our competitors are having sizeable market share
- Contributions from value added products & decentralization of plants to help in margin expansion
- Last but not least we came out from Kenya operations which was giving us loss every year since last 5 years.

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Thank you