

ASTRAL POLY TECHNIK LIMITED PRESENTATION



AGENDA



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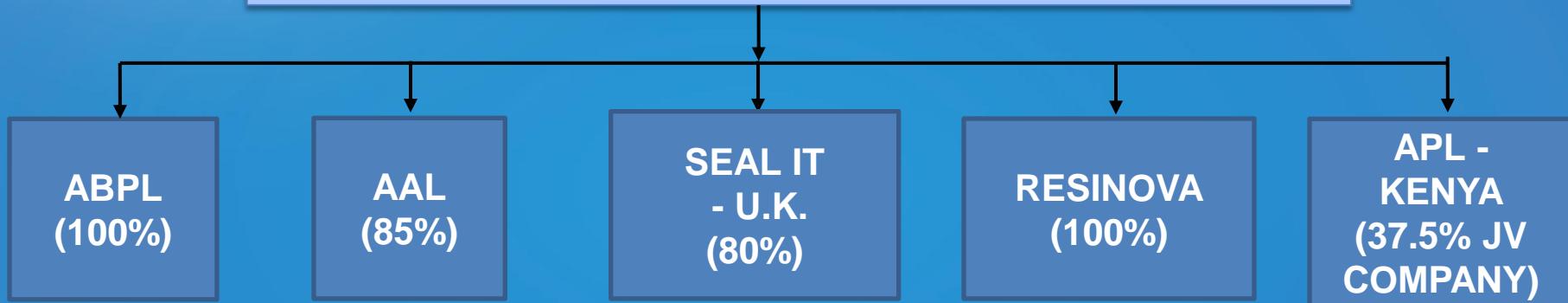
- **About the Company**
- **Scenario of Plastics**
- **Manufacturing Facilities**
- **Products Portfolio**
- **Branding Activities**
- **Financials**
- **Key Takeaways**

ABOUT THE COMPANY



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ASTRAL POLY TECHNIK LIMITED



ABOUT THE COMPANY



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FIRST TO RECEIVE/LAUNCH :

- CPVC License from Lubrizol (1996)
- Launch Lead Free PVC Pipe (2004)
- NSF Certification (2007)
- Lead Free Column Pipes (2012)
- Bendable Pipes (2013)
- BIS Certification for Blazemaster (CPVC Fire Sprinkler Pipes) (2014)

APTL has 3 manufacturing locations at – Santej, Dholka & Hosur.

Developed extensive distribution channel of 750+ Distributors and 21,000+ Dealers across India at the end of FY15.

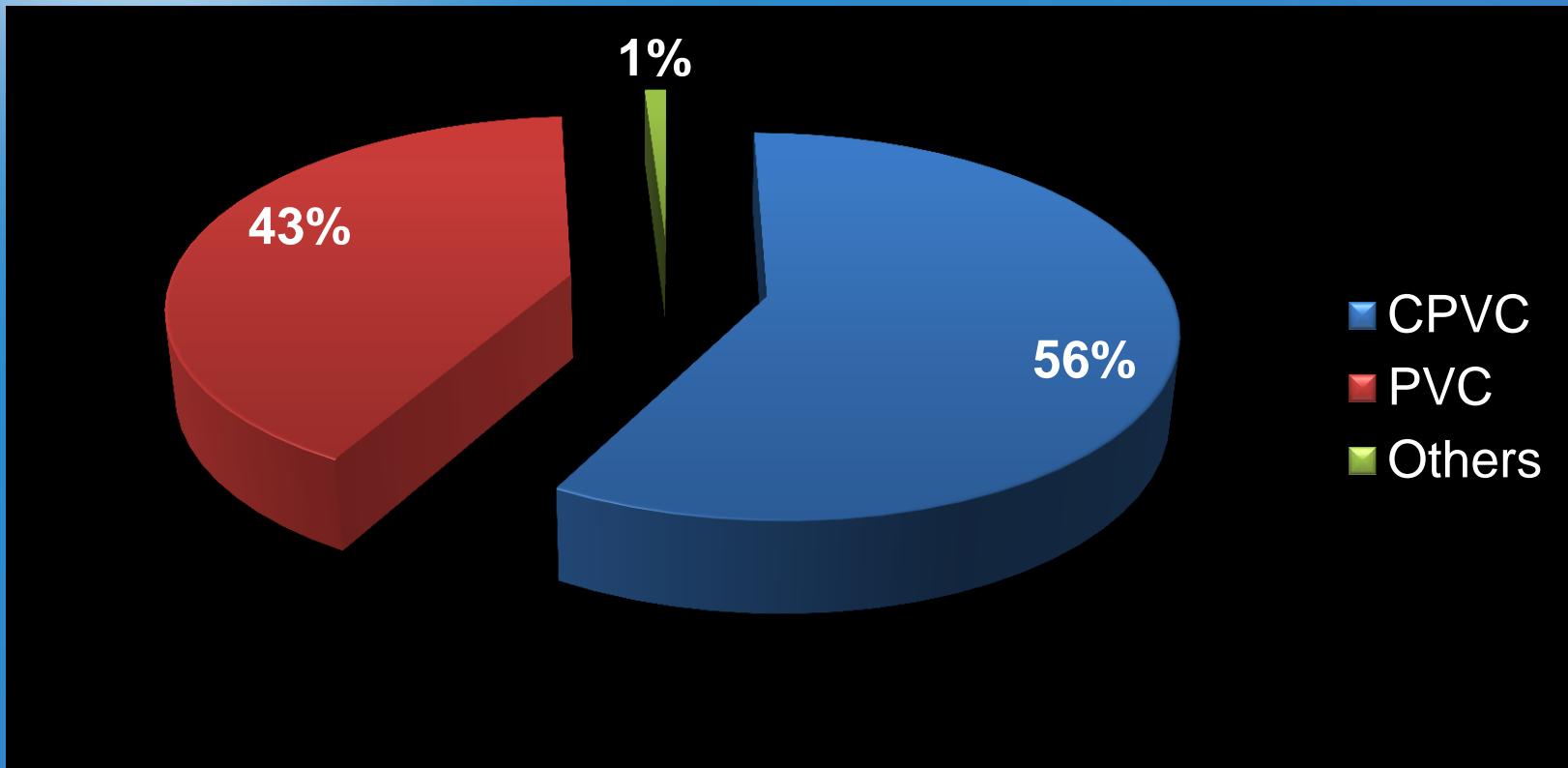
In Year 2014-15, company has acquired two adhesives/sealant and construction chemical businesses in India and U.K.

From April 2015, Company has moved on SAP.

PRODUCT MIX



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BOARD OF DIRECTORS



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Position Held	Name
Chairman (Non Executive & Independent)	Mr. K Raghunath Shenoy
Managing Director	Mr. Sandeep Engineer
Executive Director	Mrs. Jagruti Engineer
Independent Director	Mr. Pradip Desai
Non Executive Director	Mr. Kyle Thompson
Independent Director	Mr. Narasinh Balgi
Non Executive Director	Mr. Anil Kumar Jani

SCENARIO OF PIPING INDUSTRY



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- Total size of Plastic Pipe Market 21,500 Cr.
- Total size of Metal Pipe Market 6,000 Cr.
- Plastic Pipe Industry growth 12-15% CAGR
- Organised/Unorganised Mix 60 : 40

GROWTH DRIVERS OF PIPING INDUSTRY



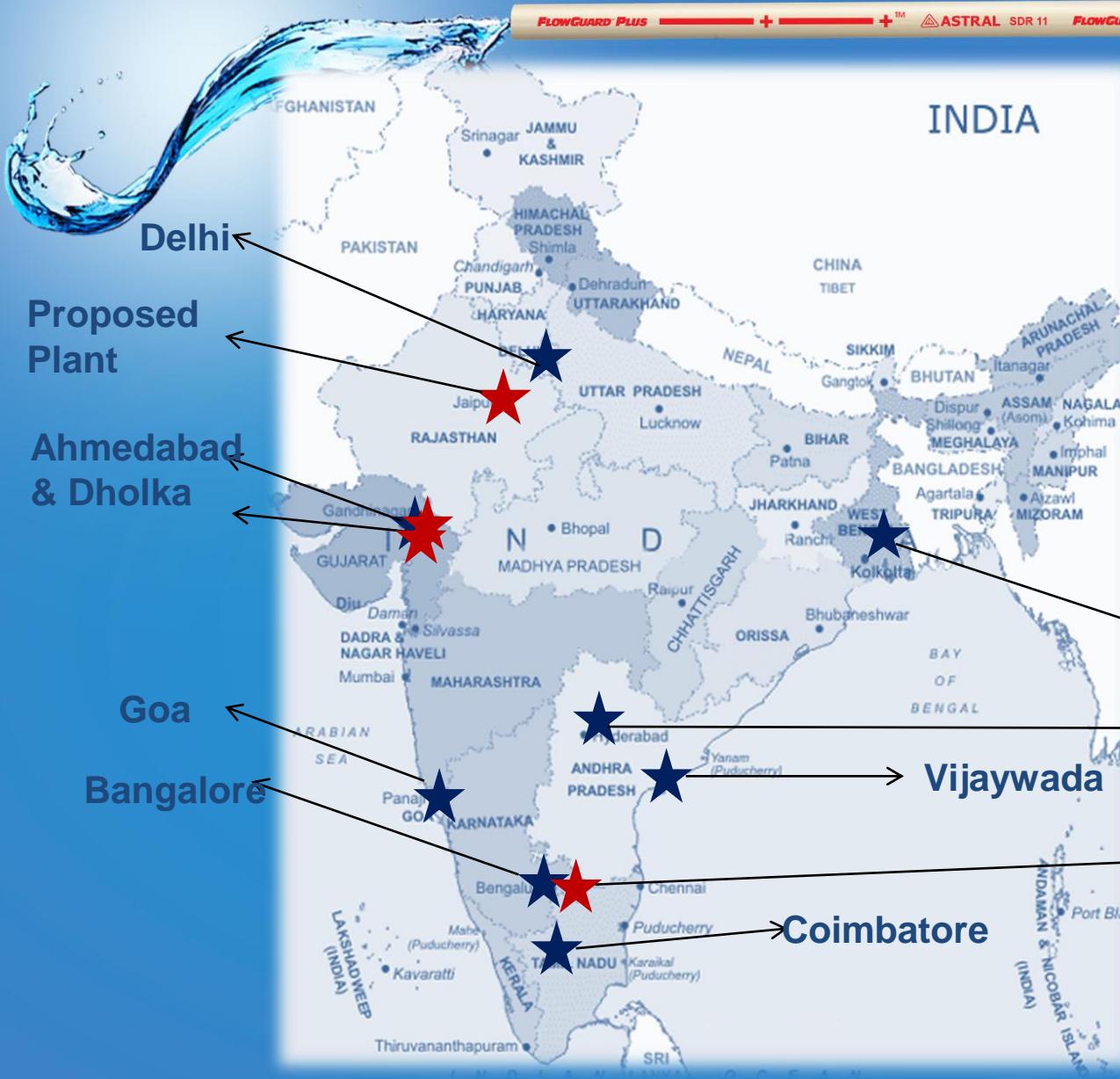
- P.M. has announced housing for all by 2022, which will drive growth for piping.
- Low cost housing is picking up in big way.
- Development of 100 smart cities.
- Swachh Bharat Abhiyan will consume sustainable quantity of pipes.
- Implementation of GST will support more to organised piping company.
- Replacement of GI to CPVC pipes continuous in india which would provide significant growth opportunities for CPVC pipes in coming years.

GROWTH DRIVERS OF PIPING INDUSTRY



- With the growing economy there will be shift from unbranded to branded pipes.
- India has at present shortage of 59 Mn. Houses and need additional 51 Mn houses (Total 110 Mn.) by 2022. (source-vision 2022-kpmg report)
- Builders have started to prefer quality pipes (Shift from un organised to organised).
- The biggest share of piping industry is agricultural pipes, where astral has just done beginning of the journey.

MANUFACTURING AND DISTRIBUTION NETWORK



MANUFACTURE PLANT



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SANTEJ, GUJARAT

BADDI, H.P.



DHOLKA – EXISTING PLANT, GUJARAT



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DHOLKA- NEW PLANT, GUJARAT



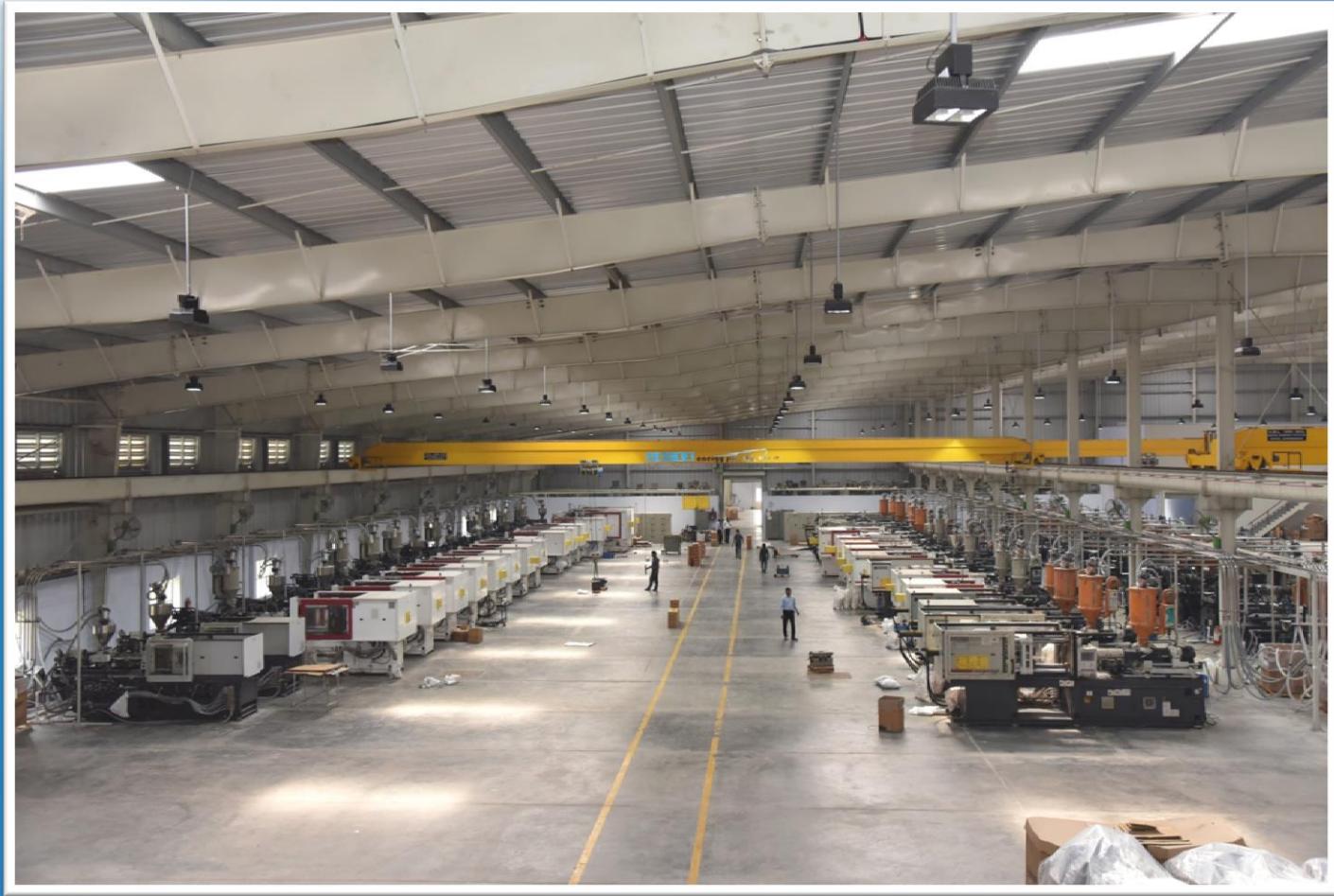
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DHOLKA- NEW PLANT, GUJARAT



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DHOLKA- NEW PLANT, GUJARAT



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HOSUR, TAMILNADU



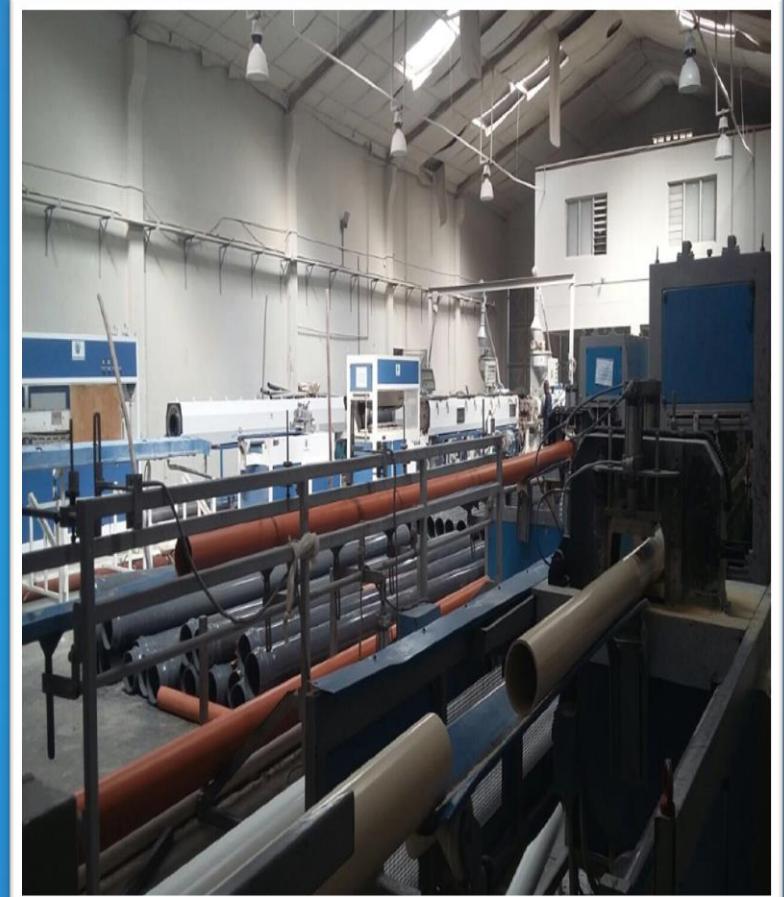
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NAIROBI, KENYA (JV)



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OUR BUSINESS PARTNER



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Lubrizol

wavin

NIBCO®



IPS

Alca PLAST®

FIRST
CORPORATION
S.r.l.

 **ASTRAL**
where INNOVATION flows

OUR PRODUCT LINES



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ASTRAL **FLOWGUARD PLUS**
PIPE & FITTINGS™

ASTRAL **CORZAN® HP**
INDUSTRIAL SYSTEMS

ASTRAL **BENDABLE**
FLOWGUARD®
MULTILAYER PIPE

ASTRAL **BlazeMaster®**
FIRE SPRINKLER SYSTEMS

ASTRAL
Aquarius®
STANDARDS REDEFINED
uPVC PLUMBING SYSTEM FOR OUTER LOOP LINES

ASTRAL
COLUMN PIPE
FOR UNDERGROUND STREAM WATER

ASTRAL
Foamcore®
PVC PIPE
FOR DWV & UNDERGROUND SYSTEMS

ASTRAL
DWV®
DRAIN WASTE & VENT
LEAK PROOF SYSTEM

ASTRAL
ULTRADRRAIN®
CONVENTIONAL SYSTEM

ASTRAL
AquaSAFE®

ASTRAL
UNDER GROUND®
DRAINAGE SYSTEMS

ASTRAL
Wire Guard™
Conduit Pipes & Fittings

ASTRAL **FIRST CORPORATION**



WELD-ON®

ASTRAL WAVIN AS

ASTRAL **Alca PLAST®**

ASTRAL *Clamps & Hangers*

ASTRAL Clamps & Hangers

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OUR PRODUCT LINES



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PLUMBING SYSTEM

ASTRAL
Aquarius®
STANDARDS REDEFINED
uPVC PLUMBING SYSTEM FOR OUTER LOOP LINES

ASTRAL **FLOWGUARD PLUS**
PIPE & FITTINGS

ASTRAL **BENDABLE**
FLOWGUARD[®]
MULTILAYER PIPE

DRAINAGE SYSTEM

ASTRAL **Wavin AS**

ASTRAL
Foamcore
PVC PIPE
FOR DWV & UNDERGROUND SYSTEMS

ASTRAL
DWV
DRAIN WASTE & VENT
LEAK PROOF SYSTEM

ASTRAL **FIRST**
CORPORATION

ASTRAL
ULTRADRRAIN
CONVENTIONAL SYSTEM

ASTRAL
UNDER GROUND
DRAINAGE SYSTEMS

SPECIALITY PIPING SYSTEM

ASTRAL **CORZAN HP**
INDUSTRIAL SYSTEMS

ASTRAL **BlazeMaster**
FIRE SPRINKLER SYSTEMS

AGRICULTURE SYSTEM

ASTRAL
AquaSAFE

ASTRAL
COLUMN PIPE
FOR UNDERGROUND STREAM WATER

ELECTRIC PIPING SYSTEM

ASTRAL
Wire Guard
Conduit Pipes & Fittings

OUR PRESTIGIOUS CLIENTS



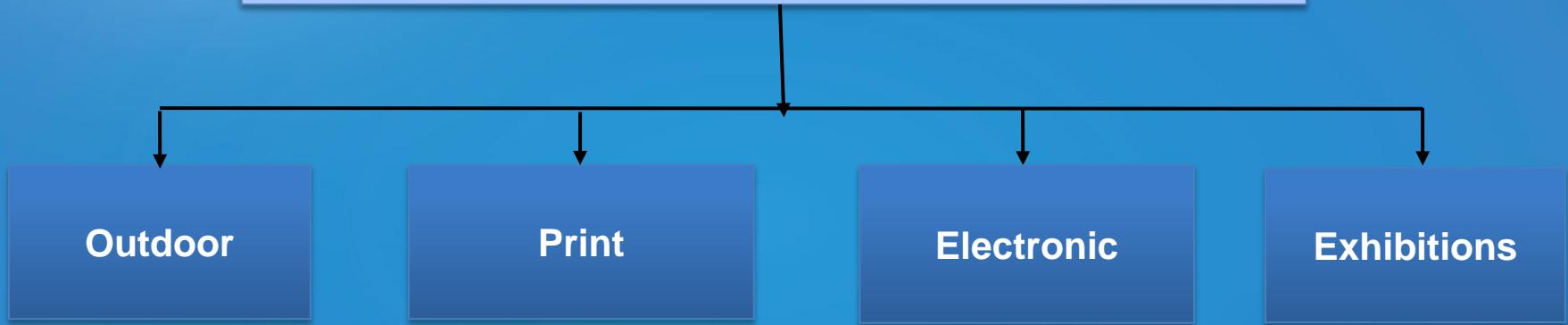
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Corporate Houses:	WIPRO Applying Thought	इंडियन ऑयल	TATA	Prestige GROUP Add Prestige to your life	NOKIA Connecting People	info City Gujarat's I.T. Metropolis	SUNDARAM FINANCE GROUP Enduring values. New age thinking.	Hospitals:	KRISHNA	KAILASH CANCER HOSPITAL & RESEARCH CENTRE	ADITYA BIRLA MEMORIAL HOSPITAL HOPE • HEAL • HEALTH • HAPPINESS	WOCKHARDT HOSPITALS	Academic Institute:	JIMC AHMEDABAD
Hotels & Resorts:	HYATT HOTELS & RESORTS Feel the Hyatt Touch	COURTYARD Marriott	Holiday Inn HOTELS • RESORTS	TAJ Hotels Resorts and Palaces	Le MERIDIEN	The Oberoi	THE IMPERIAL	TRIDENT	SAYAJI Yours. Truly.	lemon tree HOTELS	Government:	British High Commission New Delhi	UNITED STATES OF AMERICA EMBASSY	The Canadian Embassy
Industries:	Reliance Industries Limited	ESSAR STEEL	adani	CADILA PHARMACEUTICALS LIMITED	JSW Steel Limited	एनटीपीसी NTPC	GRASIM	ADITYA BIRLA	HCL	RCF	NPCIL			
Construction Houses:	LODHA BUILDING A BETTER LIFE	Hiranandani creating better communities	TATA HOUSING	KALPA-TARU Built on Trust	Rustomjee Come Home	HN SAFAL LIFE WITHOUT LIMITS	safal	Goyal & Co. Construction Pvt. Ltd.	GMR Creating tomorrow today	hoysala Builders & Developers	SOBHA			

BRANDING ACTIVITIES



BRANDING



BRANDING ACTIVITIES



BRANDING ACTIVITIES



BRANDING ACTIVITIES



RESINOVA NEW PACKAGING



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BOND TITE SUPER STRENGTH

OLD DESIGN



NEW DESIGN



RESINOVA NEW PACKAGING



BOND TITE FEROL

OLD DESIGN



NEW DESIGN



RESINOVA NEW PACKAGING



BOND TITE RAPID

OLD DESIGN



NEW DESIGN



RESINOVA NEW PACKAGING



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BONDSET FAST SETTING

OLD DESIGN



NEW DESIGN



RESINOVA NEW PACKAGING



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VETRA INSTANT ADHESIVE

OLD DESIGN



NEW DESIGN

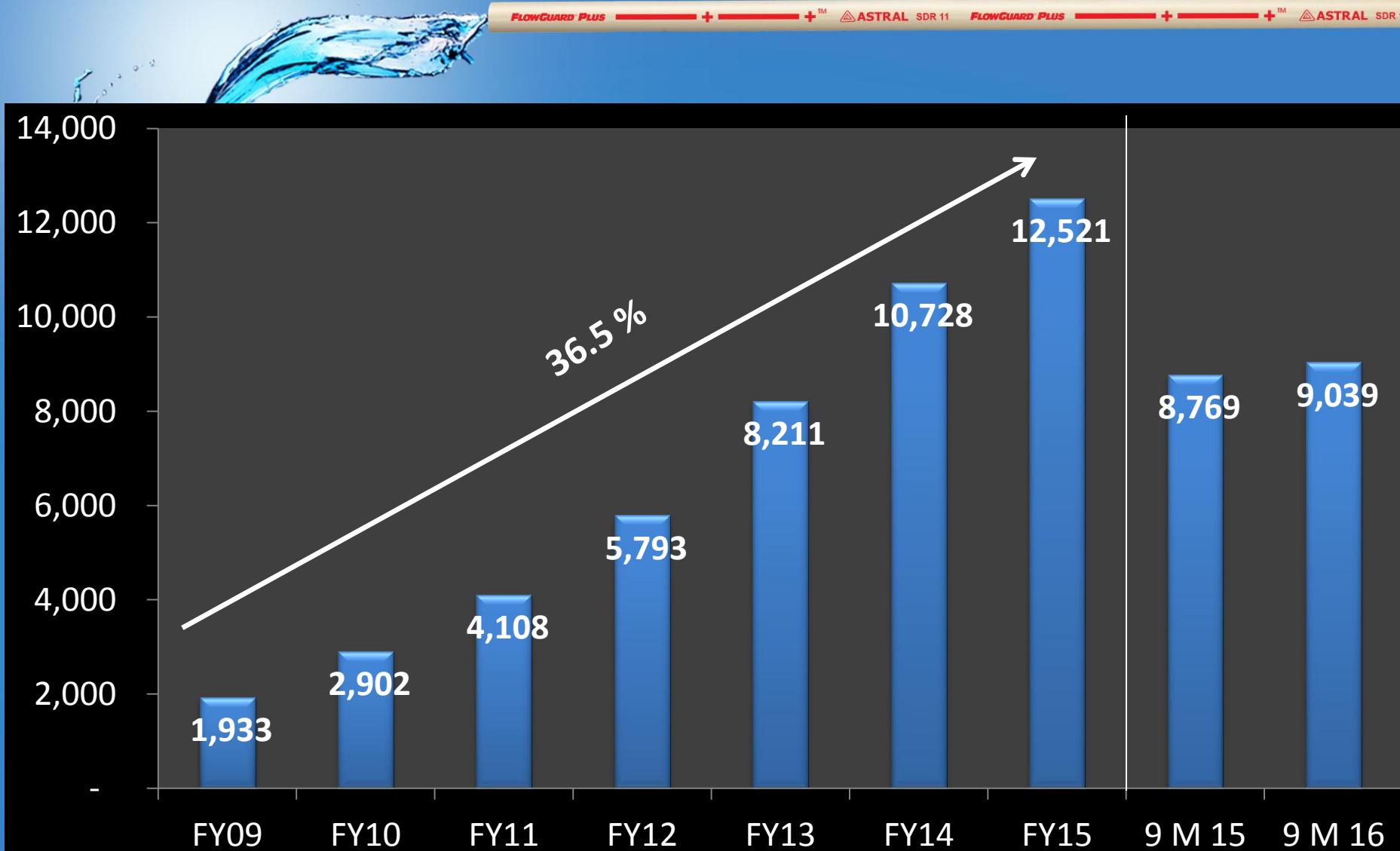




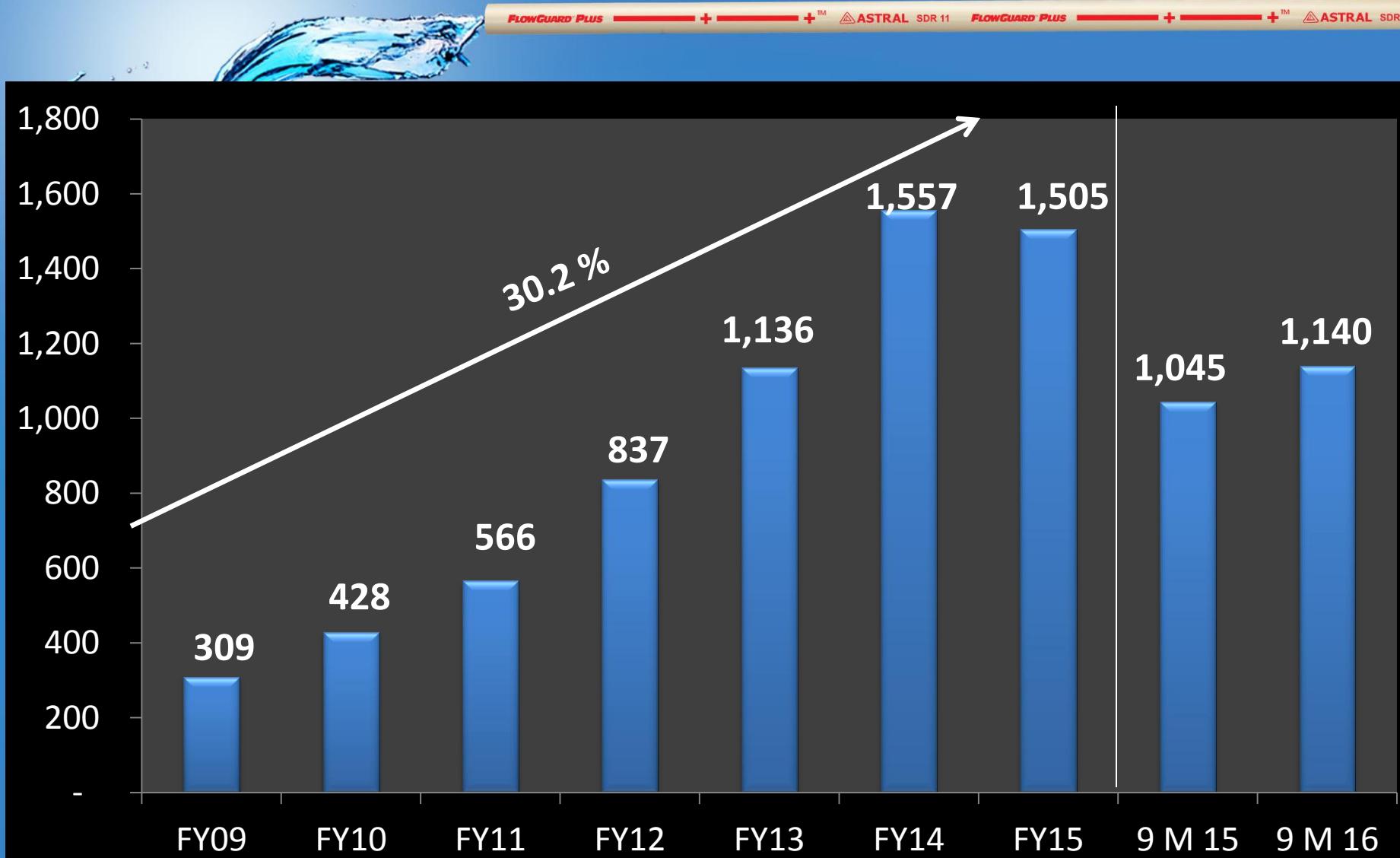
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FINANCIALS

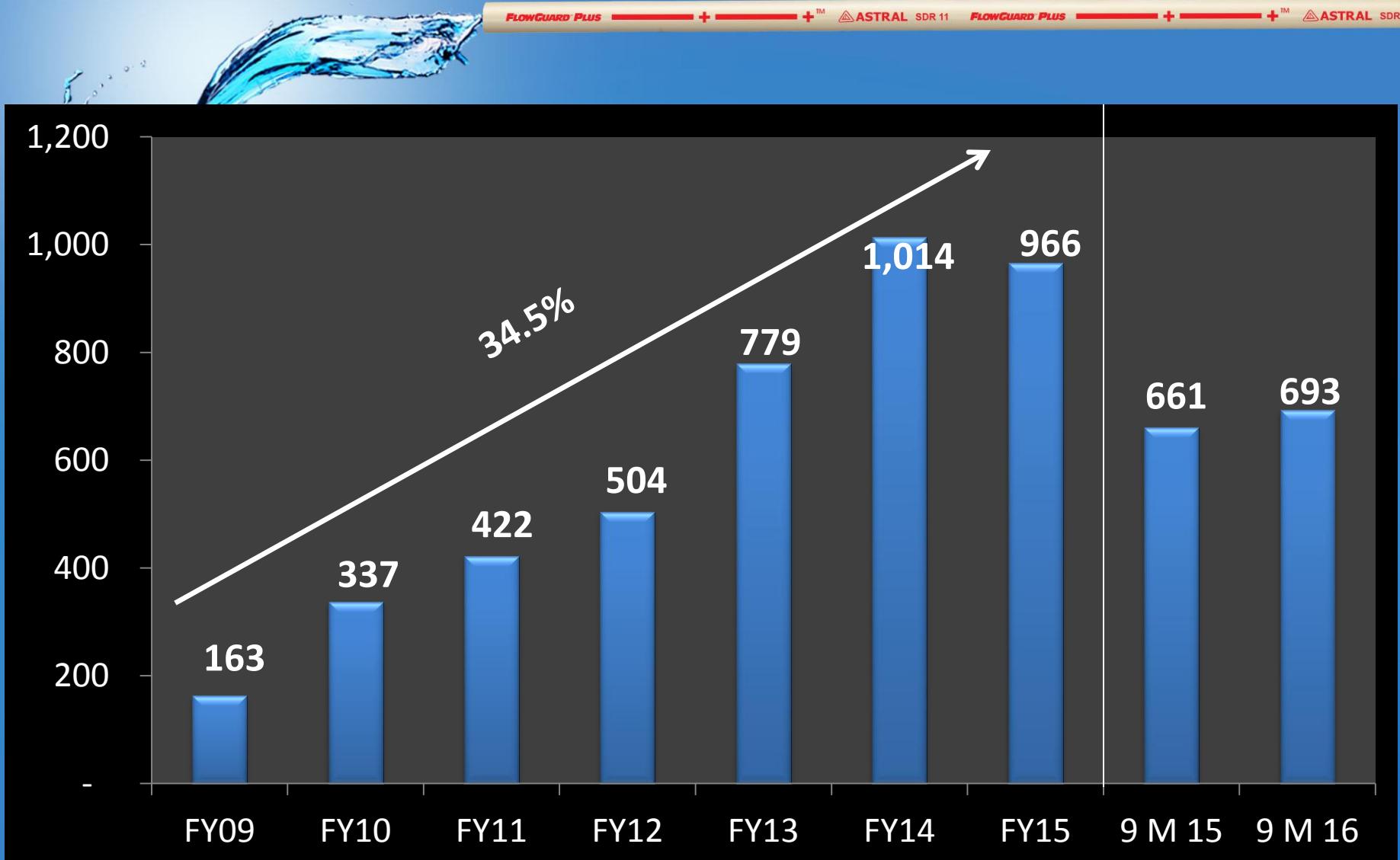
SALES (RS. MN.) – CAGR OF 37%



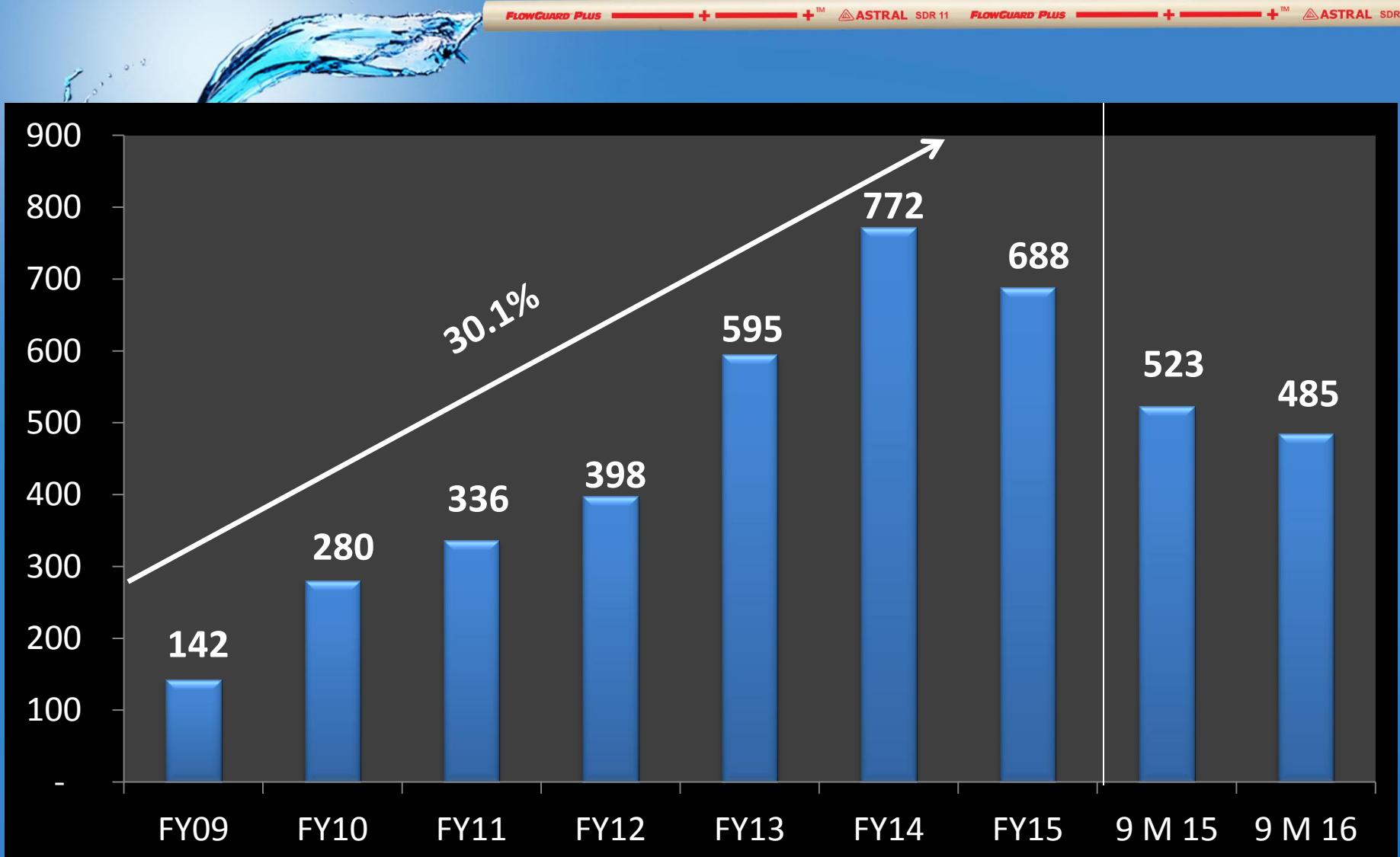
EBDITA (RS. MN.) – CAGR OF 30%



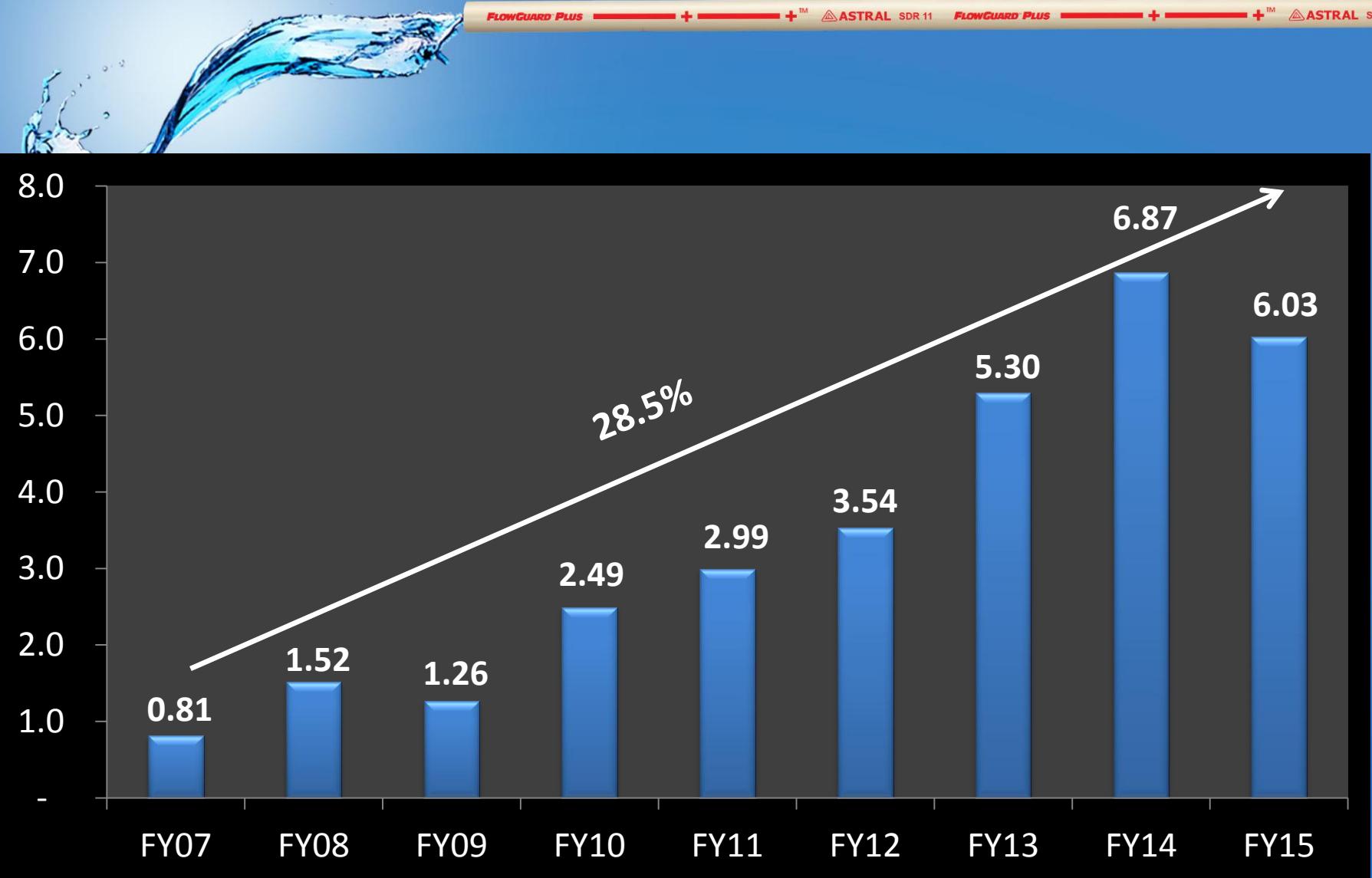
PBT (RS. MN.) – CAGR OF 35%



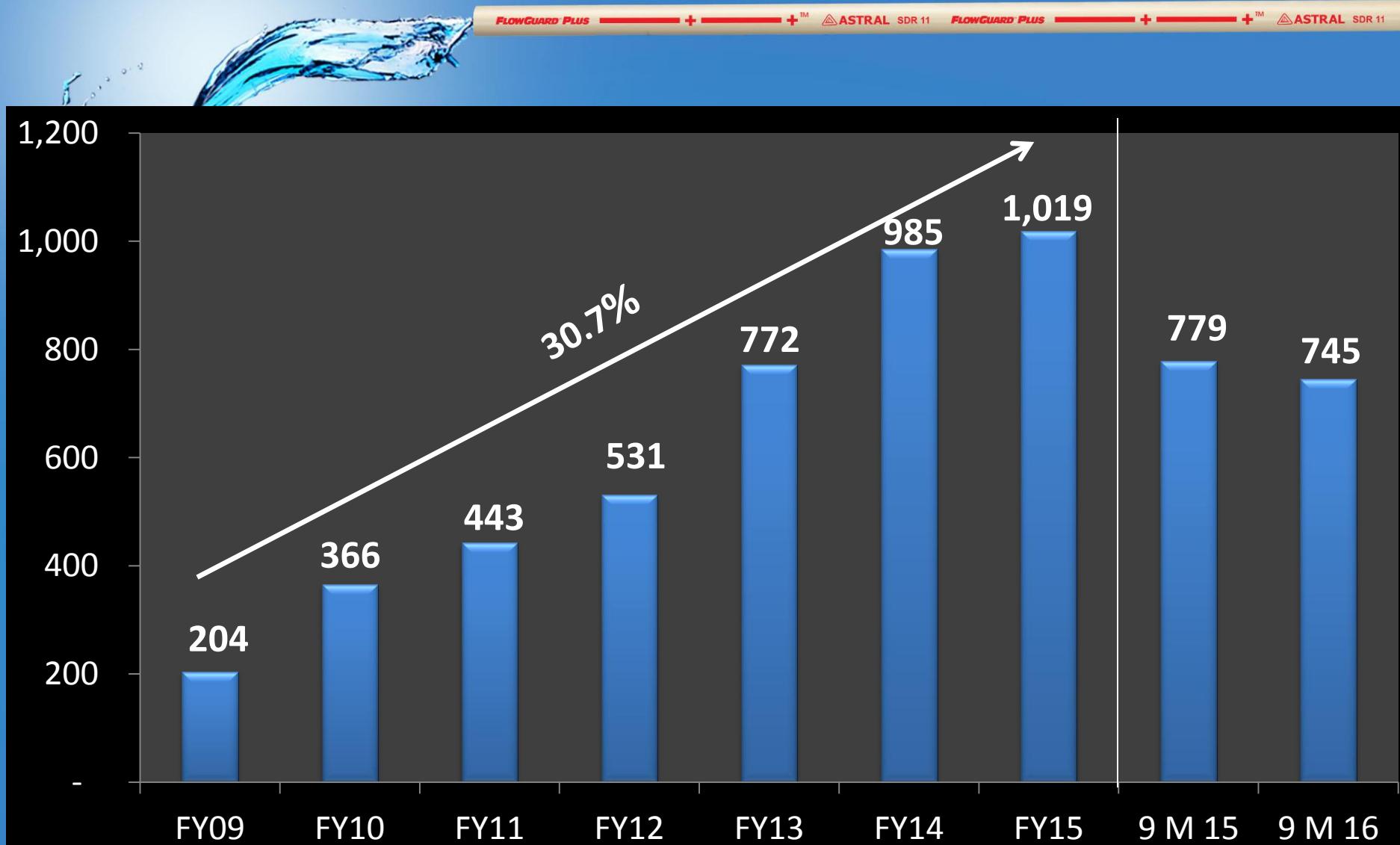
PAT (RS. MN.) – CAGR OF 30%



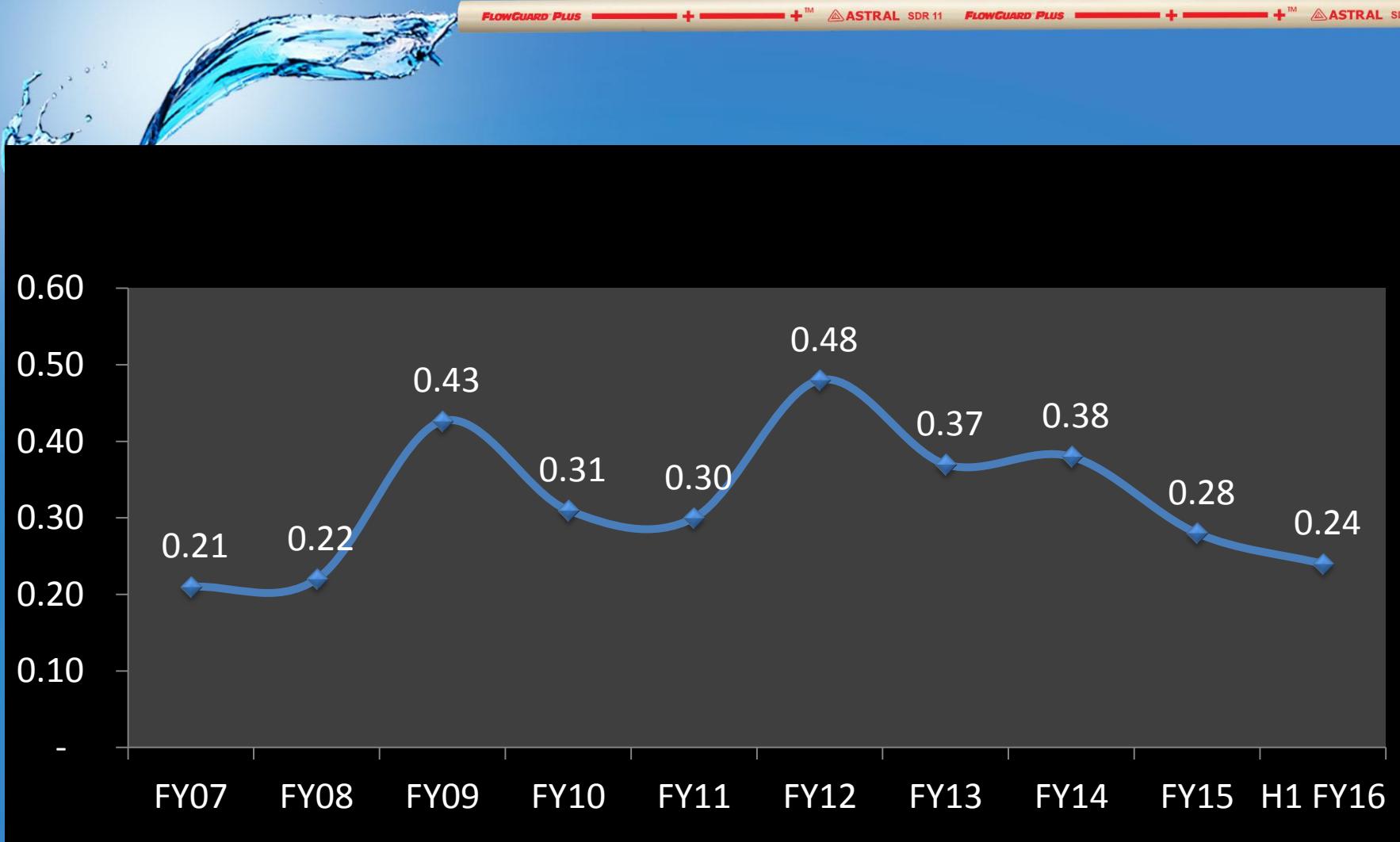
EPS (IN RS.)



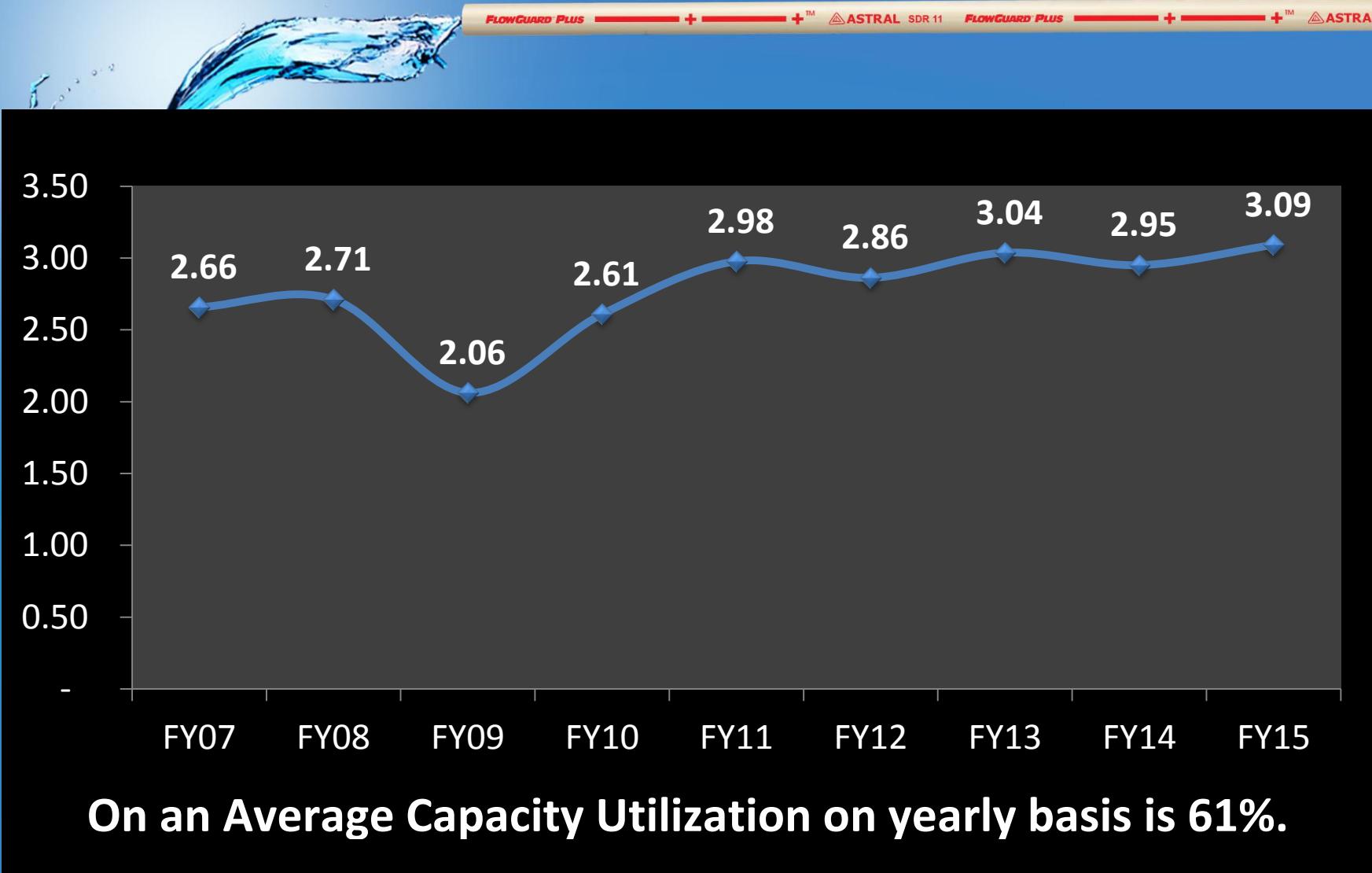
CASH PROFIT (RS. MN.) – CAGR OF 31%



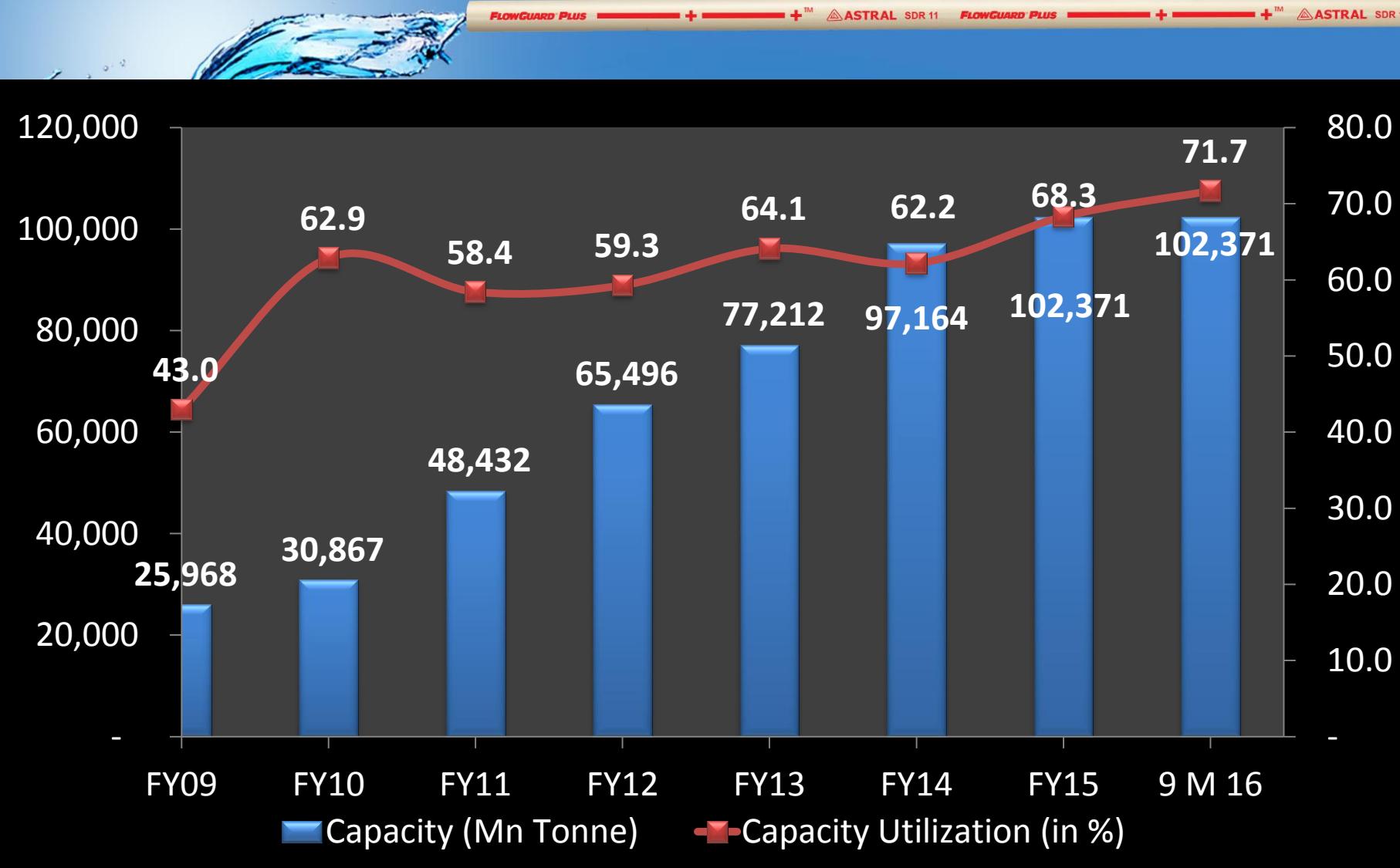
DEBT/EQUITY RATIO



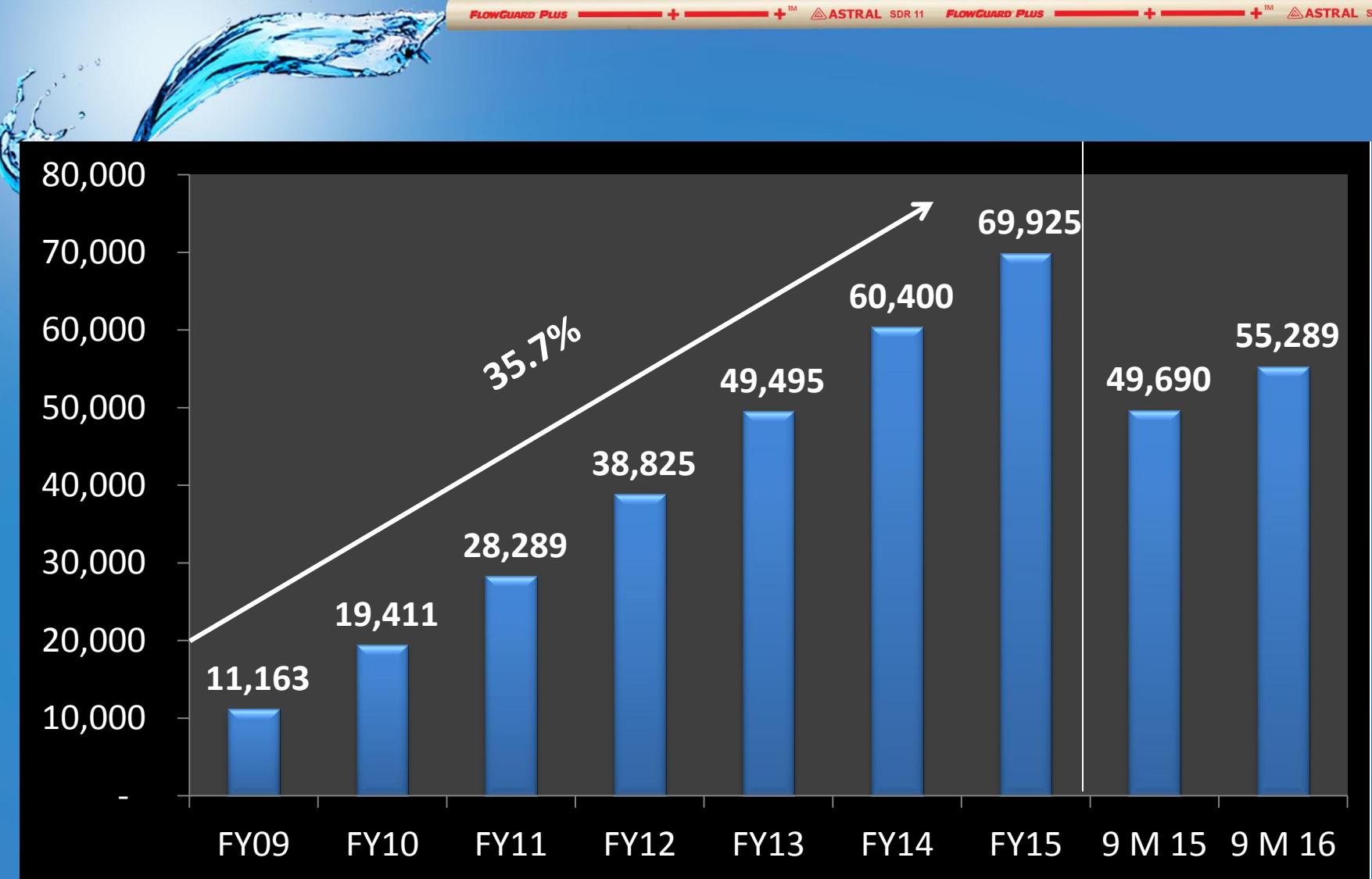
ASSETS TURNOVER RATIO



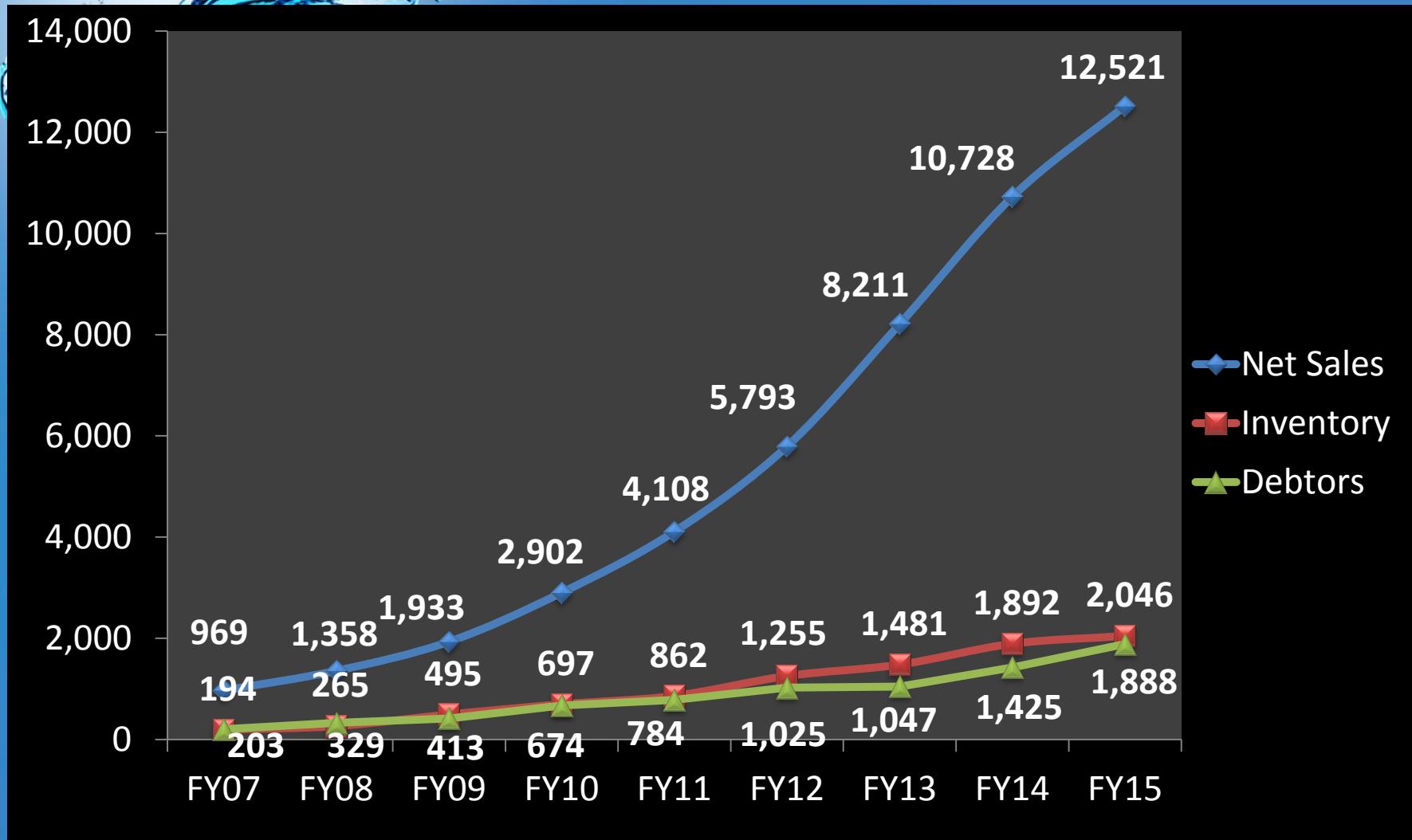
CAPACITY IN M.T.



PRODUCTION VOL. (M.T.) – CAGR OF 36%



SALES, INVENTORY & DEBTORS (RS. MN.)





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SUBSIDIARIES

ADVANCED ADHESIVES MANUFACTURE PLANT



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ADVANCED ADHESIVES NEW MFG PLANT



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ADVANCED ADHESIVES NEW MFG PLANT



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ADVANCED ADHESIVES–PRODUCT CATEGORIES



- PVC Solvent Cement
- CPVC Solvent Cement
- SWR Solvent Cement

WELD • ON



Solvent Cements and Primers for CPVC and PVC Pipes

For Leakage Free Plumbing!!

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where INNOVATION flows

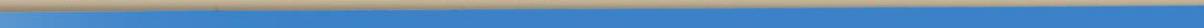
SEAL IT – MANUFACTURE PLANT



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SEAL IT –PRODUCT CATEGORIES



- **Silicone & Acrylic Sealants**
 - Decorators Sealants
 - Contractors Sealants
 - Water Based Sealants
 - Silicone Remover
- **Building Chemicals**
 - Admixtures
 - Concentrates
 - High Temperature Cements
 - Levelling Compounds
 - Tapes & Paints
- **Plumbing Chemicals**

SEAL IT –PRODUCT CATEGORIES



- **Adhesives**
 - PVA
 - Industrial
 - Constructions
 - Hybrid Sealants & Adhesives
- Tile/Flooring Adhesives & Grouts
- Polyurethane Foams
- Bitumen Compounds
- Cleaning Products

SEAL IT –PRODUCT CATEGORIES



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RESINOVA – MANUFACTURE PLANTS



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RESINOVA – MANUFACTURE PLANTS



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RESINOVA – PRODUCT CATEGORIES



- Epoxy
- Silicones
- Water Proofing Products
- Construction Chemicals
- Cyanoacrylates
- Anaerobic Adhesives
- U V Cure Adhesives
- PVA Adhesives
- Silicone, PU, Acrylic, MS Sealants
- Epoxy/Polyester Putty
- Admixtures
- Polishes
- Solvent Cements (PVC/UPVC/CPVC)

RESINOVA - KEY BRANDS AND SKUS



PRODUCTS ->



KEY SKUs->



RESINOVA - KEY BRANDS AND SKUS



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ADHESIVES & SEALANTS BUSINESS PRODUCT RANGE



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Advanced
Adhesives

Solvent Cements

WELD • ON

Adhesives	Building Chemicals	Wood Glues	Silicone
Aerosols	Ceramic Tile Adhesives	Non Silicone Adhesives & Sealants	Water Based Sealants
Application Guns	Cleaners	P U Foam	Super Glues
Bitumen	Construction Adhesives	PVA Adhesive & Sealants	Tapes



Seal It
Services



Automobile Adhesives	Construction Chemicals
Engineering Adhesives	Brush Making Industry
Hardware & Sanitary Adhesives	Electrical Insulators
Stationary Adhesives	Rust Removers



Resinova
Chemie



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ADHESIVES BUSINESS SUMMARY – KEY FINANCIALS (RS. MN.)



Particulars	FY12	FY13	FY14	FY15	9 M FY 16
Sales	2,360.3	2,694.4	3,283.2	3,847.1	2,983.7
EBDITA	154.1	209.1	247.3	349.5	293.0
% Of Margin	6.53%	7.76%	7.53%	9.08%	9.82%
PBT	124.0	181.4	210.9	283.8	226.4
% Of Margin	5.25%	6.73%	6.42%	7.38%	7.59%
PAT	93.8	131.2	145.9	206.9	153.8
% Of Margin	3.97%	4.87%	4.44%	5.37%	5.15%

SYNERGY FOR ADHESIVE/SEALANT BUSINESS



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- Market Size :

SR. NO.	NAME OF THE COUNTRY	RS. IN MN.
1	INDIA	100,000
2	U.K.a	75,000

- Product Range :

- Complete range of Adhesives and Sealants.
- Complete range of Building Chemicals.
- Complete range of Plumbing Solutions.

SYNERGY



Present Distribution Network :

- 2,000+ distributors & 300,000+ retail counters for Resinova.
- 750+ distributors & 21,000+ dealers for Astral.
- 1,800+ Customers base of Seal It (UK).
- Astral has very strong presence in the project business and good contacts with developers, architects and builders which will support adhesive and building chemical business.

Cross Selling :

- Opportunity of cross selling of products of the adhesives/Sealants/building Chemicals between group companies and different geographies.

SYNERGY



Management Bandwidth:

Seal-IT & Resinova are led by technocrats with a continuous and strong focus on adapting to the latest technologies

- Resinova is led by Mr Vijay Parikh who is a chemical engineer from IIT Kanpur
- Seal-IT is led by Mr David Moore who has a Higher National Diploma in Business Studies from Wolverhampton University

GROWTH DRIVERS FOR ADHESIVE BUSINESS



- Adhesive, Sealants and Building Chemicals Industry of India is estimated to be Rs. 100,000 Mn.
- Per Capita consumption of Adhesive is 9.4 Kg in Germany, 9.1 Kg in US and 6.4 Kg in Japan. China it is 1.5 Kg and India is having only 0.2 Kg.
- Similarly per capita consumption of Adhesives is Rs. 50/- in india versus Rs. 750/- developed countries.
- Adhesive industry is growing at 15%+ CAGR in India and China.
- The main Growth driver for industries are wood work, packaging, construction and automotive and all these segments are growing in India.
- With continuous increase in urbanisation and demand for fast and modern constructions, the demand for adhesives and building construction chemicals is going to grow at a higher pace.

KEY TAKE AWAYS



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- Average CAGR Growth in Revenue, EBDITA, PBT and PAT is more than 30% since last 8 years.
- Company has a ready Capacity which can take the top line up to Rs. 18,000 Mn (44% up From Present Topline). Further Dholka Plant will also add close to about Rs. 5,000 Mn.
- The market opportunity for plastic piping is Rs. 215,000 Mn.
- Metal Pipe market is Rs. 60,000 Mn. Which will be converted into plastic over a period of time.
- Hosur Plant will help in improving the southern market sales and improvement in logistic cost.
- Highly Under Leverage Company

AWARD RECOGNISATION



- Astral awarded **NATIONAL SME'S EXCELLENCE AWARD** by Corporation Bank. In the year 2006.
- For the year 2013 we have already been recognized as the **INDIAN POWER BRAND**.
- Mr. Sandeep Engineer, Managing Director of the Company has been awarded **"POWERBRANDS LEADERSHIP ENTERPRISING ENTREPRENEUR 2012 AWARD"** .
- AMA (Ahmedabad Management Association) has conferred Mr. Sandeep Engineer as the **OUTSTANDING ENTREPRENEUR AWARD** for the year 2012-13.

AWARD RECOGNISATION



- Astral awarded Business Standard **STAR SME** of the year-2013.
- Astral awarded Inc. **INDIA INNOVATIVE 100**-for the year 2013 for smart Innovation under Category of "**Technology**".
- Astral C.F.O. – Mr. Hiranand Savlani has received "**MOST INFLUENTIAL CFOs OF INDIA**" award from Chartered Institute of Management Accounts (**CIMA**) in the year 2015.
- Astral has been featured by Dun & Bradstreet for **India's TOP 500 COMPANIES** of 2015.



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Come Flow With Us
& Grow With Us

THANK YOU