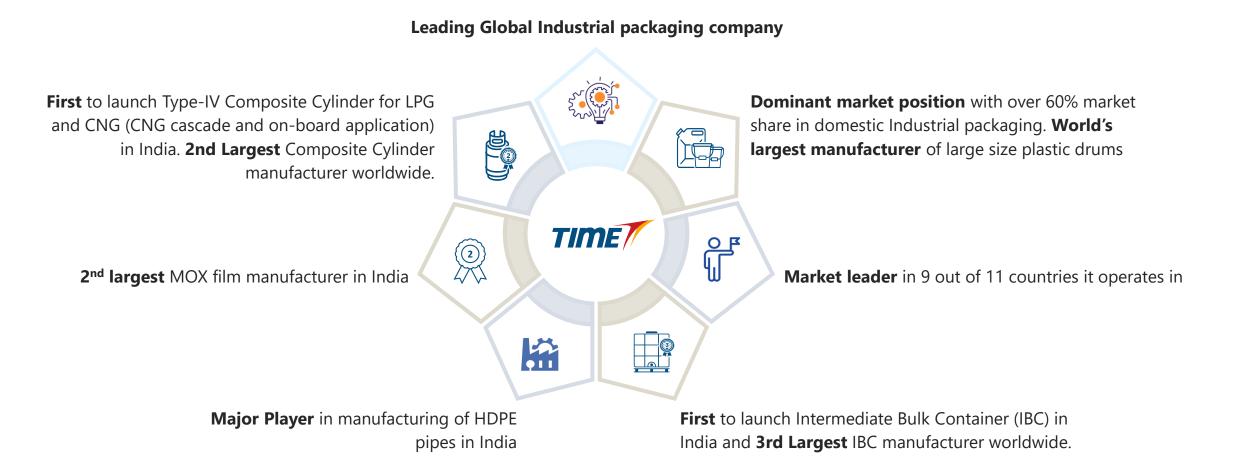


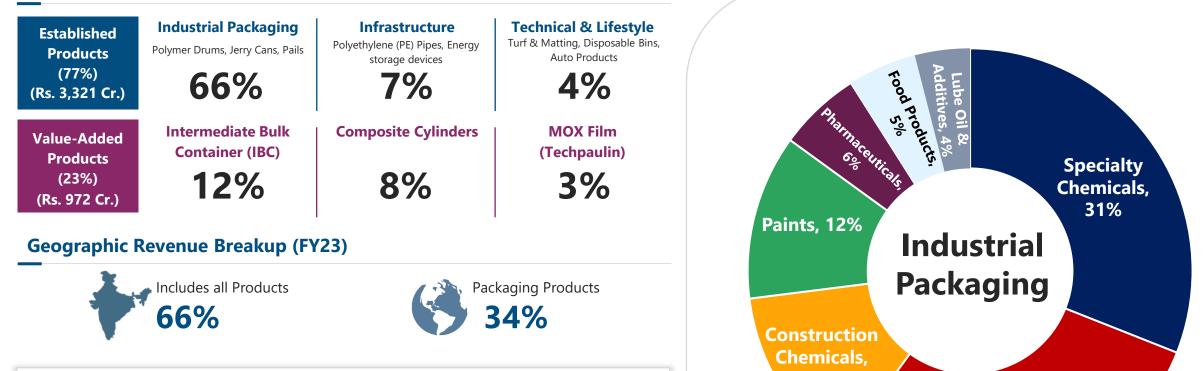
Who We Are

LEADING THROUGH INNOVATION AND TECHNOLOGY

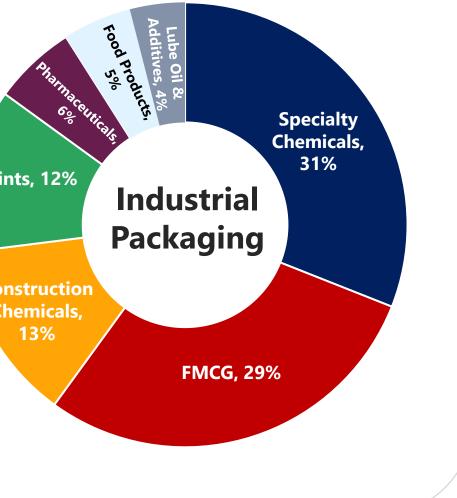


Time Technoplast At A Glance

Business Mix (FY23 total revenue : Rs. 4,293 Cr.)

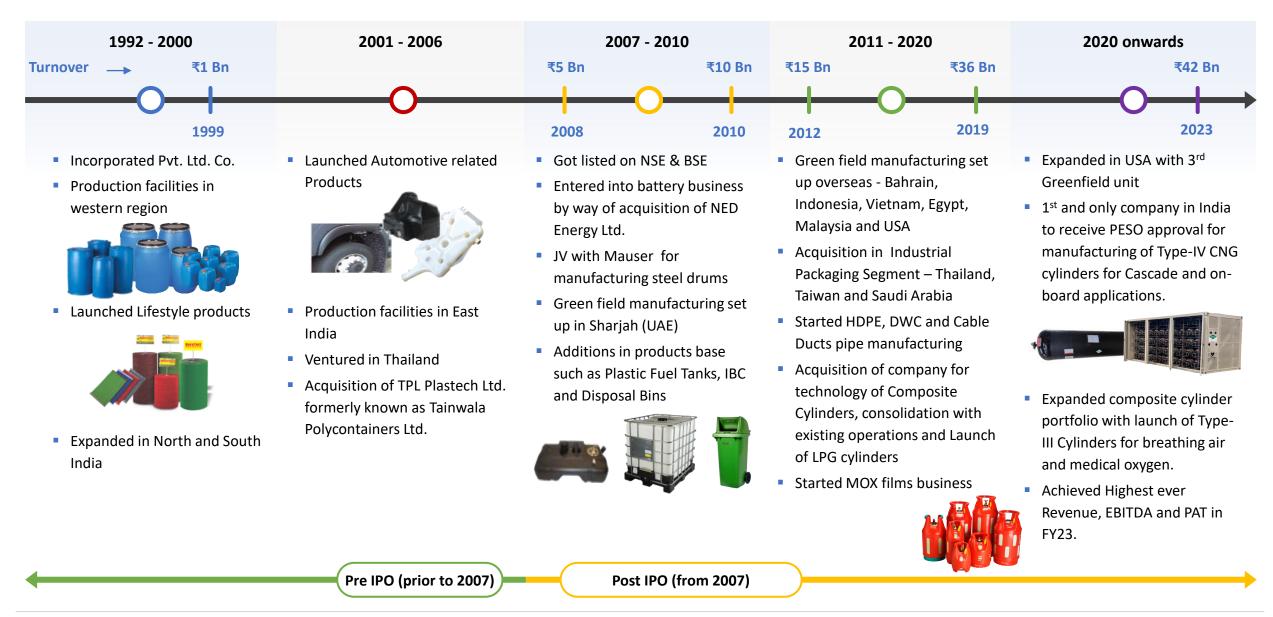


- Strong presence in Asia & MENA regions with presence in 10 different countries outside India
- 14+ recognized brands with over 900 institutional customers globally
- Well established in-house R&D team of around 30 people having experience of more than 15 years



Industrial Packaging Sales by User Industry

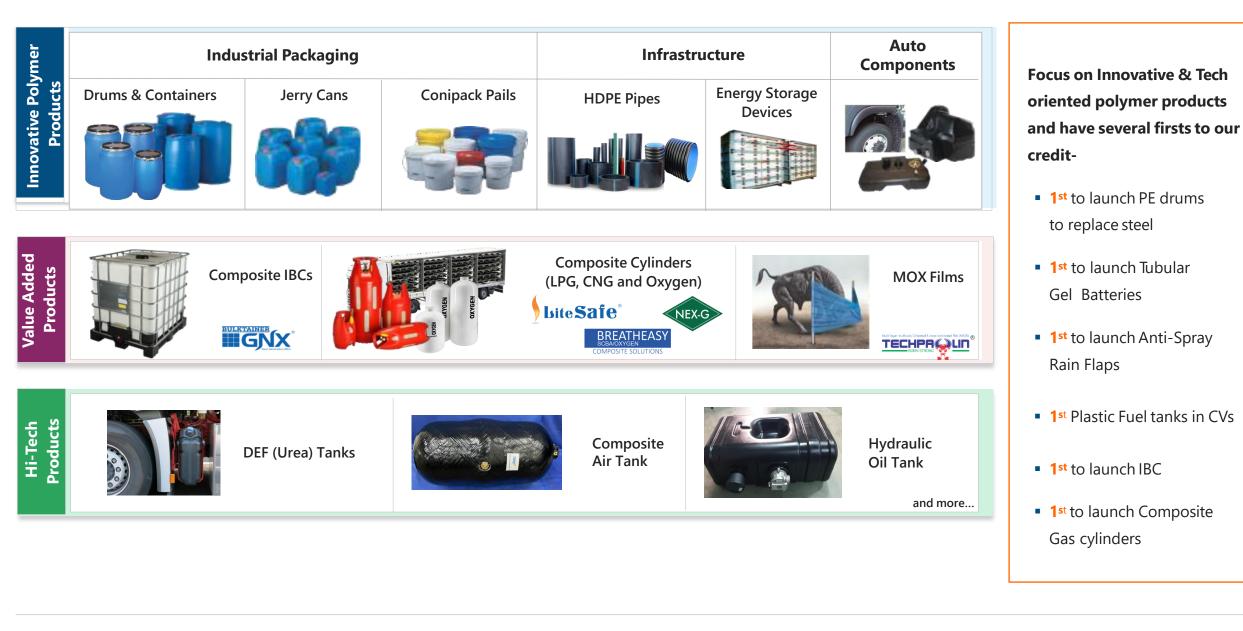
Key Milestones



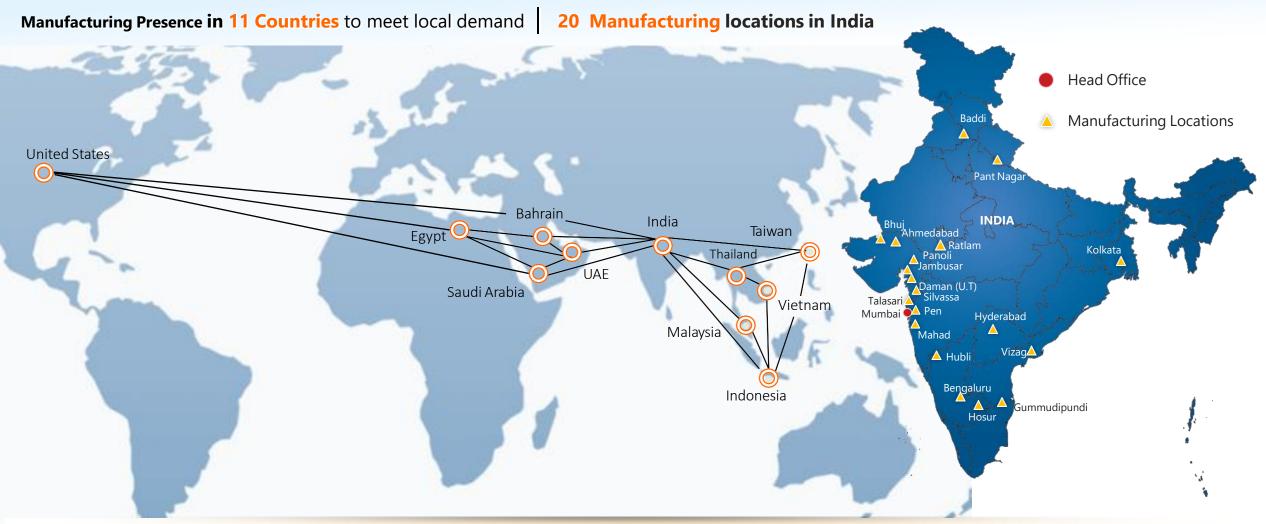
Board of Directors



Innovative and Tech Oriented Products



Geographical Presence



WE are where OUR CUSTOMERS are....

Focus on high growth manufacturing geographies

Global Marquee Customers

ADITYA BIRLA CHEMICALS	Ashland always solving	ASHOK LEYLAND	AkzoNobel	D - BASF We create chemistry	BAYER ER R	Beckers	Bharat Petroleum	Healthcare Limited	Cardolite
Cargill		CYTEC	Dow	OU POND.	ECOLAB		E ∕xonMobil	FUCHS	ee.
Godrej	Gulbrandsen Technologies	Henkel	HINCOL Better Roads, Better Life	HUNTSMAN	IDEMITSU	INDIA GLYCOLS LIMITED	इंडियनऑयल IndianOil	UBILANT LIFESCIENCES	
\bigcirc	ĽORÉAL	MOMENTIVE	NANDAN GROUP OF COMPANIES	Good Food, Good Life	Pidilite	DEC INDUSTRIES	P&G	PURAC	ROQUETTE Riddhi Siddhi
میابک ماله	Shell	Jika 。	SOLVAY asking more from chemistry*		TATA MOTORS	TOTAL	GROUP	VOLVO	wipro

Established Products - Industrial Packaging

- Time Tech produces Polymer drums / barrels, Jerry cans and Pails for varied packaging requirements.
- The Company uses technologies of polymer processing such as blow moulding, injection moulding and extrusion to produce a wide range of products.
- These are made through a fully automated continuous process without any welds or joints. They are fitted with special stoppers, plugs, bungs, inserts, caps, handles to meet specific design & requirements.
- The Company caters to varied sectors like chemicals, paints and pigments, food and beverage, petroleum, industrial coatings, agricultural, pharmaceutical, mineral, packaging, automotive and building products.

Range:	5 Ltr to 250 Ltr capacity
Brand:	Techpack
Manufacturing Locations:	India (16) & Overseas (10)
Industry:	Chemicals, Petrochemicals, Paints, Etc.

Global Industrial Packaging Ranking (Polymer)

Company	Polymer Drums	IBC
Mauser	2	2
Schutz	3	1
Greif	4	4
TimeTech	1	3

TECHPECK Technology driven Packaging



Key Highlights

- Over 900 institutional customers
- Largest manufacturer of Industrial Packaging in Asia and MENA Region
- Increasing strategic tie-ups with MNCs across different countries due to significant presence in the Asia and MENA Region
- Market Leader in 9 out of 11 countries in Industrial Packaging

Industrial Packaging Industry – Market & Development

Market

 The global market for industrial packaging is estimated to reach \$123.2 Bn by 2032, at a CAGR of over 5.9% owing to increasing trends in end-use industries such as automotive, food & beverages, chemical, construction and oil & lubricant.

Drivers

- Shift from metal to polymer packaging due to technical and operational advantages and lower costs.
- A clear trend towards IBC is visible, which is correlated with a growing demand for reconditioning solutions mainly in developed regions.
- Given the presence of strong domestic demand for specialty chemicals, low cost of production and availability of skilled labour, large foreign players are increasingly looking at India as an alternative investment destination due to implementation of strict environmental norms in China.

Emerging Packaging Scenario

- Multinational companies looking east for lower cost of production.
- Bringing in Good Manufacturing practices and improved handling systems.
- Improvement in transportation and handling facilities.
- Bulk transportation reducing logistic and shipping costs

Packaging Product		Asia (Mn Units)			Global (Mn Units)		
(Market Size)	India	Rest of Asia	Total	Asia	RoW	Total	
Steel Drum	11	131	142	142	127	269	
	(42%)	(88%)	(81%)	(81%)	(82%)	(82%)	
Polymer Drums	15	18	33	33	28	61	
	(58%)	(12%)	(19%)	(19%)	(18%)	(18%)	
Total	26	149	175	175	155	330	
	(100%)	(100%)	(100%)	(100%)	(100%)	(100%)	
IBCs	0.5	2.0	2.5	2.5	12.0	14.5	
	(20%)	(80%)	(100%)	(17%)	(83%)	(100%)	

Time Tech Customer Segment- Industrial Packaging

Segment	% Business	Expected Growth in FY24
Speciality Chemicals	31%	11% - 13%
FMCG	29%	11% - 13%
Construction Chemicals	13%	6% - 8%
Paints & Inks	12%	6% - 8%
Pharmaceuticals	6%	8% - 10%
Lube Oils & Additives	4%	6% - 8%
Others	5%	5% - 7%

Established Products - Infrastructure

High Density Polyethylene (HDPE) Pipes





- HDPE pipes are capable of handling semi-solid & gaseous effluents and has unmatched resistance to corrosive chemicals. They are lighter, easy to handle & install compared to heavier metallic or concrete pipes.
- These pipes are 100% leak proof therefore they are preferred over Galvanized, Ductile iron, Cement and conventional piping systems.

Range:	20 mm to 1400 mm in different pressure range.
Brand:	Max'm PE Pipes
Manufacturing Locations:	India (4)
Industry:	Water Supply , Irrigation, Sewage, Effluent Treatment, Desalination Plant, Power Plants, Cable ducting, Etc.

Launched new generation multilayer pipes for power / communication cable ducts with silicon in-lining. The pipes / ducts have substantial business potential specially in development of Smart Cities

Energy Storage Devices





- TimeTech manufactures valve-regulated lead-acid (VRLA) Batteries conforming to National and International Standards by adopting internationally proven Eco-Friendly processes.
- These batteries has a proprietary Grid alloy composition with high tin composition which improves the positive grid corrosion resistance and battery life.

Range:	Up to 3000 Ah
Brand:	MAX Life, MAX Pro, Sun Qualita & MAX Qualita
Manufacturing Locations:	India(2)
Industry:	Solar power, UPS, invertors, Telecom, Railway Etc.

Established Products - Technical & Lifestyle



- TimeTech is one of the leading players in the matting segment. TTL has been delivering value for money solutions across industries and customers.
- These Lifestyle Products are not only functional but also add to the aesthetics
- Brands:
 - Duro Turf/Soft: Matts used to scrape off dirt
 - Duro Wipe: Matts for wiping water
 - Duro Mat Regullar
 - Duro Active: Mats for application in industrial outlets
 - Duro Comfort: For professionals demanding long standing hours
- Manufacturing Locations: India(2)
- Industry: Household, Hotels, Hospital, Multiplex, Etc.



- Disposal Bins a necessity for hygienic life and made from recyclable material. These Bins adhere to stringent international quality standards. It's superior design ensures easy handling
- Offers high resistance to UV Radiation & Decay.
- Range: 120 & 240 Ltr capacity
- Brand: Dumpo Bins
- Manufacturing Location: India(1)
- Industry: Household, Commercial, Industrial, Municipal Corporation, Etc.

Auto Components



- Rain flaps consists of unique surface formed by multiple tuffs / grass blades with a strong and sturdy backing.
- The company offers a range of high performance, dependable & long lasting De-aeration & Fuel Tanks., which are stronger, lighter in weight, corrosion resistant and more efficient to transfer the coolant.
- The Air Ducts manufactured by the Company meets the high performance requirement needed by the automobile industry.
- Brand: 3S RainFlaps, TechDAT & TechTANK
- Manufacturing Locations: India(3)
- Industry: Automotive

Value Added Products – Intermediate Bulk Containers - IBC

Range:	 1,000 Ltr capacity
Capacity:	6.3 Lakh units p.a. in India and14.4 Lakh units p.a. overseas
Users:	 Petrochemicals, Foods, Solvents, etc.
Features:	 Space Efficiency, Eliminate Waste, Durability and Eco-friendly.

- Rapid growth in chemical industries across Asia
- Increasing automation
- Multi-fold growth in trade from Asia to the western countries

Position:

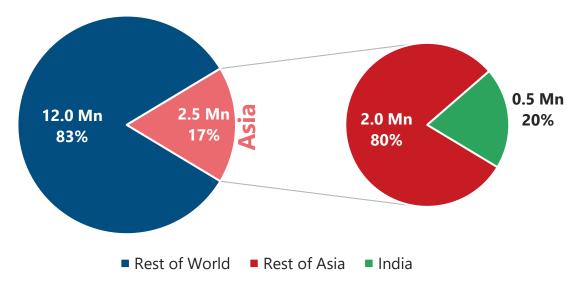
Opportunity:

• 3rd Largest manufacturer Worldwide.





IBC's Market Size (Mn Units)



Value Added Products – MOX Film

Range:	 35 to 320 GSM thickness 	
Capacity:	 12,000 MT p.a. 	
Users:	 Agriculture, Infrastructure, Packaging, Commercial Vehicles and many more 	
Features:	 Tear/Puncture Resistant, 100% Waterproof, Weathering Resistant, UV Resistant, and Chemical Resistant. 	Multi layer multi axis Oriented X cross laminated film (MOX) TECHPPA
	 The size of agricultural films market was USD 12.2 	BOKN STRONG

- The size of agricultural films market was USD 12.2 Bn in 2022 and is projected to grow at a CAGR of 6.9% to reach USD 18.5 Bn by 2028.
- Opportunity: Asia Pacific is likely to see robust growth in these films and TIME would be leveraging its wide distribution network in domestic as well as overseas market



Focus on Composites



We are at inflection point Shifting from Tech based products to High-Tech products with focus on Composites

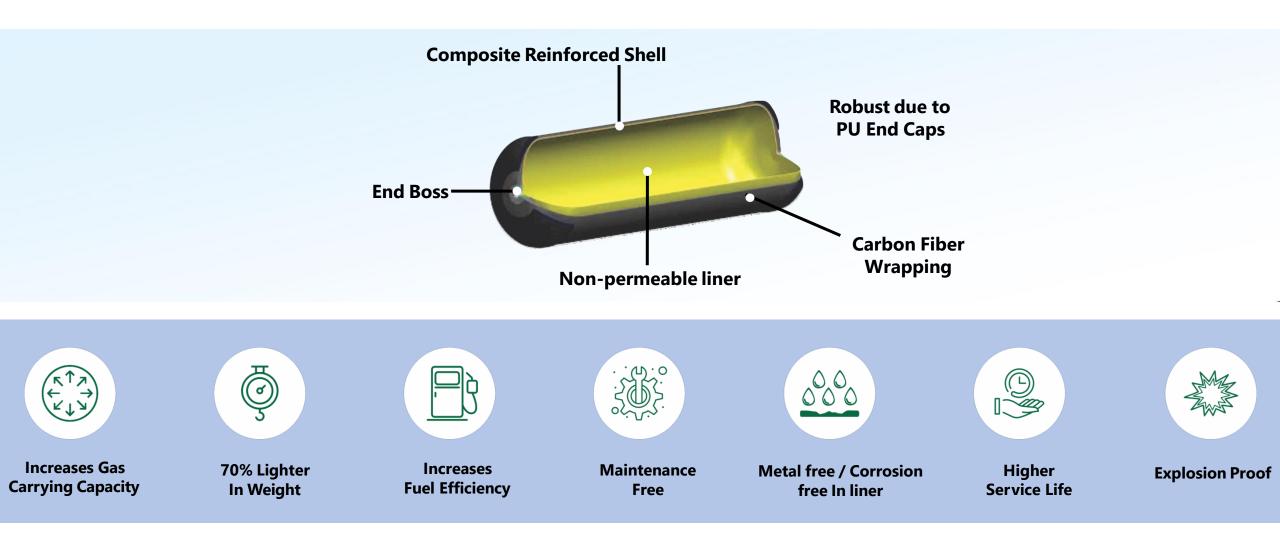
- Composite is a material of future replacing metals in high performance applications
- Tectonic shift
- Harnessing new growth opportunities in existing business
 - Launching new products with huge business potential
 - Aspire to be largest Composite product company in the country
 - New product launches will help improve margins and reduce working capital
 - We draw strength from the launch of LPG Composite Cylinders and maintaining market leadership in 10 years

Value Added Products – Composite Cylinders (LPG)

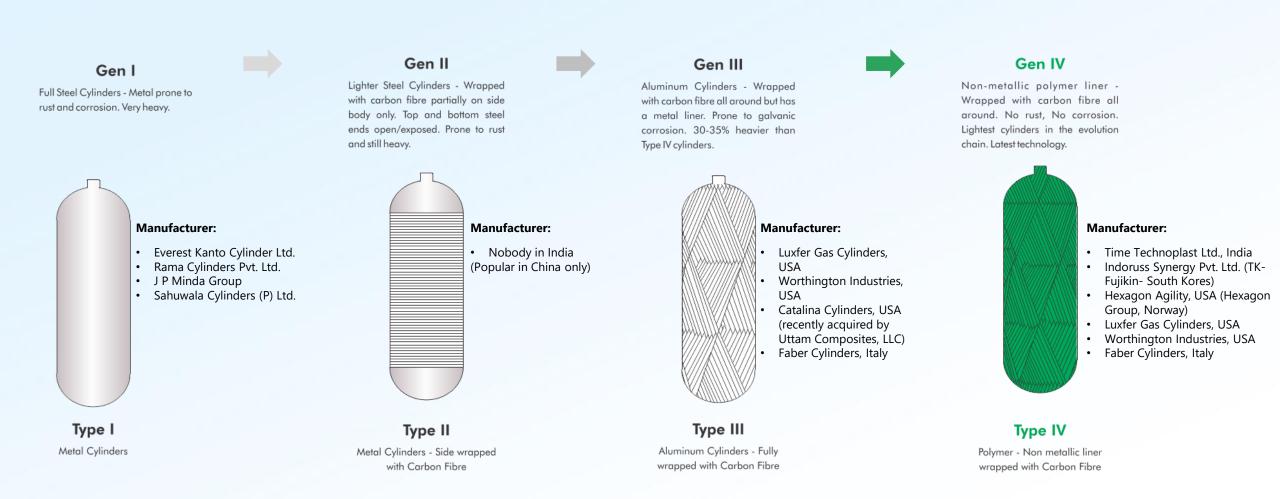


Range:	 2kg – 22 kg capacity (largest in the world)
Capacity:	 1.4 Mn units p.a.
Users:	 Household, Industrial, Trawlers, Caravans, BBQ, Street Cooking, etc.
Features:	 Explosion Proof, Non-Corrosive, Light and Efficient, and Low Maintenance.
	 Received approvals in over 48 countries LPG consumption has grown at robust 7% CAGR over last 10 years and LPG is the preferred cooking fuel in over 200 Mn households in India
Opportunity:	 There are 2.5 bn metal cylinders in circulation worldwide implying significant addressable opportunity
	 240 Mn replace per annum – close to USD 6.7 Bn market size
Position:	 2nd Largest Manufacturer Worldwide

Value Added Products – Type-IV CNG Composite Cylinders



Comparative Advantages – Type-IV CNG Composite Cylinders



Type-IV Cylinders– Sizes and Bar Pressure

	CNG cylinders				
Size	Working Pressure	Applications			
60 Ltrs	200 Bar	On-Board Applications for vehicles			
156 Ltrs, 350 Ltrs	250 bar	Storage and Transportation Applications			
	Hydrogen Cylinders				
60 Ltrs	500/700 Bar	For hydrogen Fuel cell Passenger vehicles			
100 Ltrs, 150 Ltrs 350 Ltrs	500/700 Bar 350 Bar	For hydrogen Fuel cell passenger vehicles And Commercial Vehicles			
350 Ltrs	350 bar	For storage & transportation of Hydrogen			

New CNG Business in consonance with Govt.'s policy to expand use of CNG

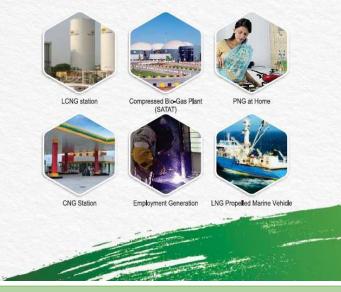
- CNG Gas Distribution
 - Cascades
 - Mobile Refueling Units
 - Compressed Bio-Gas Plant
 - Gas Generators for Telecom Towers

CNG Composite Cylinder Applications



Natural Gas Navigating towards cleaner tomorrow

Emerging Opportunities in India



Publication by Ministry of Petroleum and Natural Gas : Emerging Opportunities in India for Natural Gas

- On Board Applications
 - Roof Mounted Bus
 - Chassis Mounted Truck
 - CAB Mounted Truck
 - Boat
 - Car
 - 3 Wheelers / 2 Wheelers

Type-IV CNG Composite Cylinders – Cascade Application



Type IV CNG Cylinder Cascades Lighter – Carries 220% More Gas



Type IV CNG Cylinder – Metal Free

Why Move Steel ? Move Gas Instead.

70% Lighter Than Type I Cylinders

2.2 Times More Gas Per Trip

Reduce Per kg CNG transportation cost by almost 50%

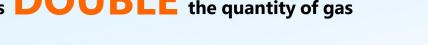
NO Dry Outs

• Approved by **PESO** and Third party (Bureau Veritas – Europe) in August 2020 for Type-IV cylinder for the first time in India.

PESI

Type-IV CNG Composite Cylinders – Cascade Application

Carries **DOUBLE** the quantity of gas

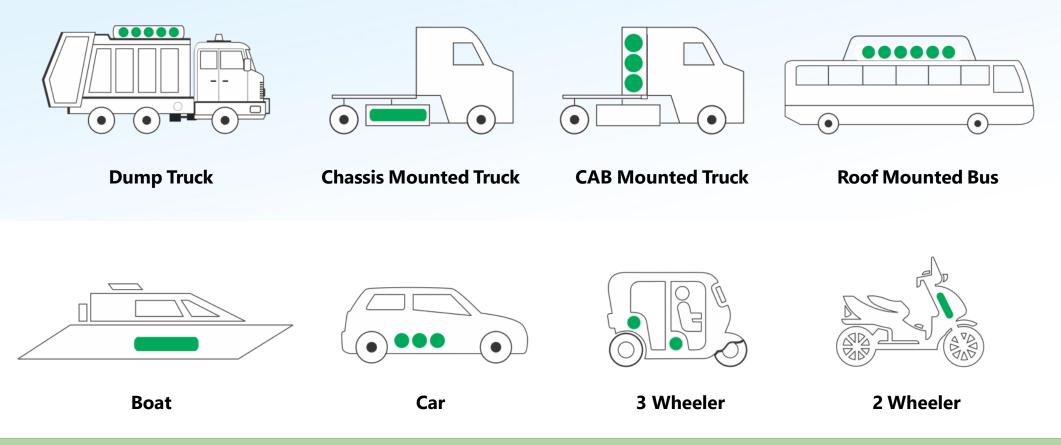








Type-IV CNG Composite Cylinders – Onboard Applications



Approved by PESO and Third party (Bureau Veritas – Europe) in May 2021 for Type-IV cylinder for the first time in India.

CNG Cylinder : Overall Market Potential

Huge revenue potential given India's low penetration of CNG fuel stations and CNG vehicles

	Total Estimated Business (Rs. Cr.)	Business in No. of Years	Estimated Market Per Year (Rs. Cr.)	Conversion %	Total Estimated Business (Type-IV) per year (Rs. Cr.)
CNG Cascades	11,453	8	1,432	50%	716
MRUs	1,320	4	330	50%	165
Compressed Bio Gas	6,000	3	2,000	20%	400
Gas Generators for Telecom Towers	4,800	4	1,200	20%	240
CNG for Intracity Buses	5,304	4	1,326	50%	663
Total Estimated value of Business	28,877		6,288		~2,200

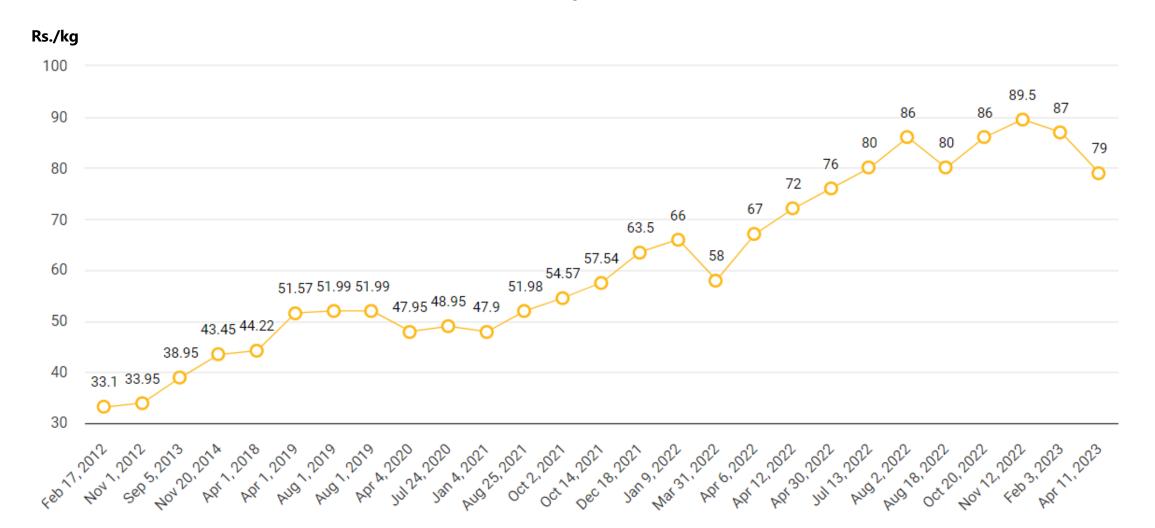
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Geographical Area Allocated to CGDs

•••

S. No	CGD Entity	Nos.	CNG stations	%
1	Consortium of AG&P LNG Marketing Pte Ltd. & Atlantic Gulf & Pacific	10	1462	18%
2	Indian Oil Corporation Limited	17	1213	15%
3	Indian Oil-Adani Gas Private Limited	19	876	11%
4	Hindustan Petroleum Corporation Limited	10	864	11%
5	Torrent Gas Private Limited	14	745	9%
6	Adani Gas Limited	17	501	6%
7	GAIL Gas Limited	14	377	5%
8	Bharat Gas Resources Limited	17	312	4%
9	Gujarat Gas Limited	24	310	4%
10	Indraprastha Gas Limited	11	306	4%
11	Think Gas	5	238	3%
12	Haryana City Gas	4	222	3%
13	Maharashtra Natural Gas Limited	4	218	3%
14	Megha Engineering & Infrastructure Limited	7	209	3%
15	AGP CGD India Private Limited	2	91	1%
16	Consortium of Assam Gas Company Limited, Oil India Limited and GAIL Gas	2	72	1%
17	Unison Enviro Private Limited	3	72	1%
18	IRM Energy Private Limited	3	35	0%
19	Rajasthan State Gas Limited	2	26	0%
20	Dholpur CGD Private Limited	1	14	0%
21	Tripura Natural Gas Company Limited	3	12	0%
22	Green Gas Limited	4	6	0%
	Total	193	8181	100%

CNG Price Chart



CNG prices have started coming down since last one year; A decline of 11.7% from November 2022 Increased price differential compared to other conventional fuel options will drive Auto demand

Recent News articles



Tata Motors expect 10-12% of its sales to come from CNG vehicles in FY24, up from 6% in FY23.

- New launches, price differential with petrol increased availability of CNG and dispensing stations driving demand.
- 5.665 CNG distribution outlets were operational in India by end of March 2023 compared to ~1,400 outlets 3-4 years back.

EXPANDING BIZ Co to widen portfolio of services to a range of clean fuels **Adani Total Gas Plans** to Build Over 1,800 CNG Stations in 7-10 years

Kalpana.Pathak @timesgroup.com

Mumbai: Adani Total Gas (ATGL), a joint venture between Adani Group and French firm Total Energies, plans to build more than 1,800 CNG stations in the next seven to 10 vears, its CEO Suresh P Manglani said in the company's annu al report for 2022-23.



"ATGL is spreading its footprints pan-India. Added to this number are 19 GAs with our JV-Indian Oil Adani Gas (IOAGPL), we now have a presence in 124 districts."

The co has completed laying 10,888

28th June 2023- ET



Cos may invest about ₹2.500 cr each for plants with 30 tonnes per annum capacity

Kalpana.Pathak @timesgroup.com

Mumbai: Mukesh Ambani's Reliance Industries (RIL) and Gautam Adani-led Adani Total Gas (ATGL) are planning to set up 10 compressed biogas (CBG) plants each, across the country senior executives aware of the development said These plants will be of up to 30 tonnes per annum capacity. Fi-





7th July 2023- ET

- Adani Total Gas Ltd (ATGL) plans to build over 1,800 CNG stations in 7-10 years.
- Along with IOCL JV, ATGL has presence in 124 districts with 460 CNG stations, currently.
- Adani Total Energies Biomass (wholly owned subsidiary of ATGL) is currently building one of the India's largest Compressed Bio Gas (CBG) plants at Barsana in UP with 600 TPD feedstock processing capacity.
- Reliance and ATGL to set up 10 CBG plants each with an investment of USD 313 Mn each. 5 of these will come in next 5 years. Currently there are 30 CBG plants in India.
- Sector to attract over USD 2 Bn investments in next 5-7 years.

Recent News articles

PNG SALES UP 11% DURING SAME PERIOD CNG Sales Volume Grows 51% in 6 Months to March

monopolies in their licensed areas

giving them pricing power and fat

margins. CNG and domestic PNG

At March-end, the number of CNG

turalgas City gas distributors

prices of natural gas in international

dustrial and commercial customers to

India's LNG imports fell to 19.9

mostly import liquefied

natural gas (LNG) to supp-

ly commercial and indust-

Sanieev Choudhary @timesgroup.com

prices are mainly influenced by the New Delhi: City gas companies have rates of alternative fuels such as grown their super-profitable CNG petrol and LPG cylinders. Petrol is sales volume at a faster rate in the heavily taxed and mostly moves in past two years than the less line with international prices, whiprofitable segment of gas supplies le CNG and domestic PNG are very lightly taxed.

meant for homes. City gas distributors sold 19.4 million metric standard cubic meters a stations in the country was 5.665, up day (mmscmd) of CNG in six months 83% in two years. Domestic PNG custo March 2023, up 51% from October tomers expanded by 41% to 1.1 crore in 2020 to March 2021 period, oil mini- the same period. Delhi is the largest stry data showed. In the same period, market for CNG, while Gujarat is the the sale of piped natural gas (PNG) largest market for domestic, commermeant for cooking at home rose 11% to cial, and industrial customers of na-2.9 mmscmd.

Sales to commercial customers that includes hotels and malls, dropped 25% to 0.7 mmscmd, while those to industries fell 38% to 10.3 mmscmd as high imported gas prices forced them rial customers. Extraordinarily high to switch to alternative fuels. As a result, the share of CNG in city markets in the past two years forced ingas distributors' overall sales sharply increased to 58% in two ve- switch to alternative liquid fuels such ars from 39% in the six months to as LPG and fueloil. March 2021. The share of sales to industrial customers fell from 50% to million metric tonnes (mmt) in the 30%. The share of sales to house- last fiscal year, down 22% from 25.6 holds, or domestic PNG, rose margi- mmt in 2019-20.

nally to 8.7% from 8%. Expansion of CNG stations across City gas companies get price-cont- the country, increased availability of rolled domestic natural gas, which CNG cars, and high petrol prices have they can sell at market rates as CNG combined to boost CNG sales in the and domestic PNG. They are mostly country, an industry executive said.

15th August 2023- ET



Polymer sales likely to double this financial year, says chairman

Our Bureau

New Delhi: GAIL expects its natural gas transmission volume to expand 12% and polymer sales to double this financial year, said its chairman.

"Gas transmission and gas marketing are the key drivers of GA-IL's business and during FY23, we transmitted 107 million metric standard cubic metres a day (mmscmd) of natural gas, marketed 95 mmscmd of natural gas and sold 399 thousand metric tonnes (tmt) of polymer," GAIL chairman Sandeep Kumar Gupta told

tural gas sales and 800 tmt of polvmer sales." GAIL also expects the new levelishareholders at their annual meeting. "Current year seems more sed tariff determined by the regupromising and it is estimated that

24th August 2023- ET

The implementation of

unified tariff would also

utilisation of natural gas

pipeline network"

Chairman, GAIL

cantly boost capacity utilisation of natural gas pipeline network," Gupta said.

GAIL is planning to add 400 com-pressed natural gas (CNG) stations and more than a million piped natural gas (PNG) connections this year, he said. GAIL's joint venture companies have licences to operate in 67 city gas areas, a little more than a fifth of the total 300 licensed city gas areas in the country. GAIL has a capital spending plan

of ₹30,000 crore for the next three years, which would mainly go into pipelines, petrochemical, city gas significantly boost capacity and equity contribution in group companies, Gupta said. The company is exploring op-

portunities for ethane sourcing **SANDEEP KUMAR GUPTA** for its existing petrochemical plant while prospects of setting up of ethane cracker are being studied, he said

GAIL has taken initiatives for the development of renewable lator for its integrated pipelines energy such as floating solar poyour company will achieve over to help boost its transmission re- wer projects and setting up rene-120 mmscmd of natural gas trans- venues. "The implementation of wable power plants for captive mission, over 100 mmscmd of na- unified tariff would also signifi- consumption, said Gupta.

Tokyo Gas Joins Race to Acquire Stake in Think Gas Distribution

I Squared-owned co's valued at \$1-1.2 b, Mubadala also keen on stake buy

Reghu.Balakrishnan @timesgroup.com

Race to Acquire

Tokyo Gas eyes minority stake in Mumbai: Japan's largest provider Think Gas Distribution, valued at of city gas Tokyo Gas has joined the \$1-1.2 billion race to acquire a minority stake in Think Gas Distribution, Indian natural gas supplier owned by private Investment equity fund I Squared Capital, said Co. is a major 🔬 👔 to merge Think

contender in

the race

two people aware of the development. Founded in 1885, Tokyo Gas is the city gas provider in the Tokyo metropolitan area and surrounding Kanto region.

Tokyo Gas is doing due diligence at present, said sources. The potential investor will buy about 30% stake in Think Gas. valuing the company at \$1-1.2 billion.

Investment bank Barclays is advising I Squared for the stake sale. Mubadala Investment, the sovere-

ign wealth fund of the United Arab Emirates, is the other major contender for the minority stake.

Mubadala Investment and a cou-

mix of primary and secondary in vestment, said sources. Mails sent to I Squared Capital

and Tokyo Gas did not elicit any response till press time. AG&P has 12 long-term 25-year ex-

clusive concessions in the five states of Rajasthan, Andhra Pradesh Karnataka, Kerala and Tamil Nadu, while Think Gas has seven licenses to operate across 13 districts in India, across the states of Punjab, Madhva Pradesh, Bihar, Uttar Pradesh and Himachal Pradesh.

Tokyo Gas will spend two trillion ven (\$17.5 billion) on cleaner fuels such as hydrogen, and renewable power with the aim of doubling its profit to 200 billion yen by 2030, said a recent Reuters report.

Tokyo Gas and other utilities are stepping up overseas expansion as they face falling demand in Japan which has an ageing population and a declining birth-rate, while the liberalisation of its energy markets has spurred competition among old-guard utilities, said the report. The \$22-billion Tokyo Gas is engaged in diverse businesses

As a financial institution backed platform. I Squared's city gas disspanning electricity generation.

29th November 2023- ET

- Gas Authority of India Limited (GAIL) plans to add 400 CNG stations in FY24.
- Plans to add over a million Piped Natural Gas (PNG) connection in FY24
- **Capital expenditure** plan of **INR 30,000 crore over the next 3 years** towards city gas, pipelines and petrochemicals
- As per the company, implementation of unified tariff would also significantly boost capacity utilisation of natural gas pipeline network
- GAIL expects its natural gas transmission volumes to expand 12% and polymer sales to double in FY24

City Gas biz **Tokyo Gas** to invest ¥2 trillion (\$17.5 b) in cleaner fuels, including hydrogen India's natural gas demand expected to grow at a CAGR of 8%

I Squared

Capital plans

Gas and AG&P

VIJAY P

Market Potential : CNG Cascades

New CNG stations allotted in 9 th and 10 th round	8,181
Number of Cascades required per station	2
Total number of cascades required	16,362
Estimated cost of one cascade (Rs. per cascade)	70,00,000
Total Value of Business in next 8 years (Rs. Cr.)	11,453

ſ



Particulars	9 th Round	10 th Round	Total
Geographical Areas offered	86	50	136
Bids received	406 Bids from 38 Entities	225 Bids from 25 Entities	631 Bids from 41 Entities
Coverage			
State/Union Territories	22	14	23
(a) Districts	174 Districts (156 full & 18 part)	124 Districts (112 full & 12 part)	298 Districts (268 full & 30 part)
(b) Area (%)	23.82	17.92	41.74
(c) Population (%)	26.38	24.23	50.61
Minimum Work Program			
PNG Domestic Connections	221 Lakir	202 takh	423 Lakh
CNG Stations	4,603	3,578	8,181
Steel Pipeline (Inch-KM)	1.16 Lakh	0.58 Lakh	1.74 Lakh

Source: Petroleum and Natural Gas Regulatory Board

Type-IV CNG Composite Cylinders – Mobile Refueling Units (MRUs)

India's First Mobile Refueling CNG Unit with Type-IV Composite Cylinders

Virtual inauguration on June 8, 2021 by Mr. Dharmendra Pradhan-Union Minister for Petroleum and Natural Gas



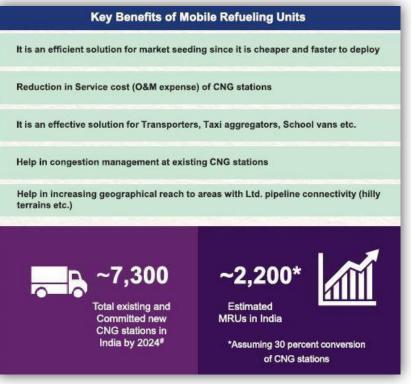


- MRUs act as Mobile CNG Stations
- Can be parked anywhere for filling
- Fills up to 300-400 vehicles per day

Market Potential : Mobile Refueling Units (MRUs)

Total Value of Business in next 4 years (Rs. Cr.)	1,320
Estimated cost of one cascade (Rs. per cascade)	60,00,000
Conversion to MRUs (~30%)	2,200
Total existing and committed new CNG stations in India by 2024	7,300





Source: Ministry of Petroleum and Natural Gas- Emerging Opportunities in India

Market Potential : Compressed Bio-Gas (CBG)

Total Value of Business in next 3 years (Rs. Cr.)	6,000
Estimated cost of one cascade (Rs. per cascade)	60,00,000
Total number of cascades	10,000
Number of Cascades required per plant	2
Total CBG plants by 2023	5,000



Under the SATAT scheme, total 5,000 CBG plants have been envisaged by 2023, which will produce around 15 MMT of CBG per annum.

Potential in the Country

 It has been estimated that there are six major sources from which CBG can be synthesized in India – Recoverable Cattle Dung, Bagasse, Agri residue, Sewage Treatment
 Plant, Municipal Solid Waste and Spent Wash/Press Mud.

The total CBG potential in India has

Benefit to the Country

- As per international carbon accounting standards, CBG has 'zero' associated Carbon emissions.
- Reduction in emissions due to crop burning.
- Reduction in landfill emissions due to municipal and sewage waste.

Source: Ministry of Petroleum and Natural Gas- Emerging Opportunities in India

Market Potential : Gas Generators for Telecom Towers

	Total Value of Business in next 4 years (Rs. Cr.)	4,800
MDLb = mcmsmdddddddddd	MRUs required (1 MRU for every 4 towers) Estimated cost of one cascade (Rs. per cascade)	8,000 60,00,000

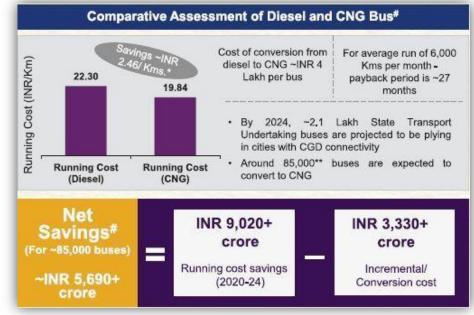


Source: Ministry of Petroleum and Natural Gas- Emerging Opportunities in India

Market Potential : Onboard Applications – Intracity Bus

No. of buses on road by 2024	2,10,000
Buses converted to CNG (~40% conversion)	85,000
No. of cylinders per Bus	8
Total No. of Cylinders required	6,80,000
Estimated Cost of 156 litre cylinder (Rs. per cylinder)	78,000
Total Estimated value of Business in next 4 years (Rs. Cr.)	





Source: Ministry of Petroleum and Natural Gas- Emerging Opportunities in India

Focus on Buses; to be followed by commercial vehicles (new & conversion) and passenger vehicles.

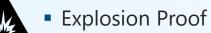
Value Added Products Recent Developments

Type-III Composite Cylinder for Breathing Air/ Medical OXYGEN

- Successfully developed Fully Wrapped Carbon Fibre Reinforced (Type-III) Composite Cylinder for Breathing Air/ Medical Oxygen; 1st locally manufactured cylinder to get approval from PESO in India.
- Application as Self-Contained Breathing Apparatus (SCBA) by-
 - ✓ Fire Fighters,
 - ✓ Divers (SCUBA)

- ✓ Hospitals
- ✓ Portable home oxygen bottles
- Mountain climbers at high altitudes
 Emergency use in ambulances

Numerous advantages over Type-I metal cylinders



- 60% lighter in weight than Type-I metal cylinders
- No Rusting and No Corrosion
 - Long service life



Type-III Composite Cylinders form a part of High-Tech Composite Products and are classified under Value-added products.

Value Added Products Recent Developments

Composite Air Tank for Heavy Vehicles



- The air compressor draws filtered air from the atmosphere and compresses it, storing the compressed air in high-pressure reservoirs.
- Currently these reservoirs are made-up of steel which are very heavy & prone to corrosion due to presence of moisture in the air.
- Time Technoplast Limited, first time in the world has developed these Type-4 Composite tanks which are 54 % lighter than steel tanks, has long life, no corrosion & can sustain large pressures.

Specification

- Capacity : 30L
- Material : Liner-HDPE
 - Composite-Glass fibre + Epoxy resin
- Weight : 5.6 kg
- Weight of metal air tank : 12 kg
- Weight saving- 54%
- Customer name- TATA MOTORS
- Vehicle name-Tata Ultra 9/9m EV & Tata Ultra 9/12m EV

Commercial supply started to TATA Motors.



Products Recent Developments

WIPRO Hydraulic Tank- 120 Litre



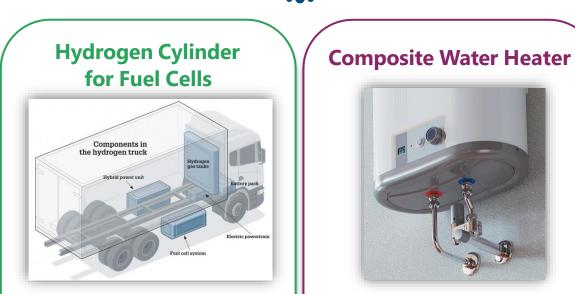


- All the tippers with back body tilting arrangement uses hydraulic systems for tilting operation.
- Currently Wipro is supplier of this hydraulic system with metal hydraulic oil tank to the Automotive OEM's.
- 1st time in India, Time Technoplast Limited has developed this polymer hydraulic oil tank for Wipro.
- Advantages-
 - 75 % lighter than the metal tank of same capacity.
 - No contamination of the oil due to tank corrosion.
 - Capacity : 120L
 - Material : HDPE
 - Weight : 7.5 kg
 - Weight of metal tank : 30.5 kg

Specification

- Weight saving-75%
- Vehicle name-Tata Signa 3523 Tipper
- Customer: Wipro
- Supply location: Bangalore

Value Added Products Under Development



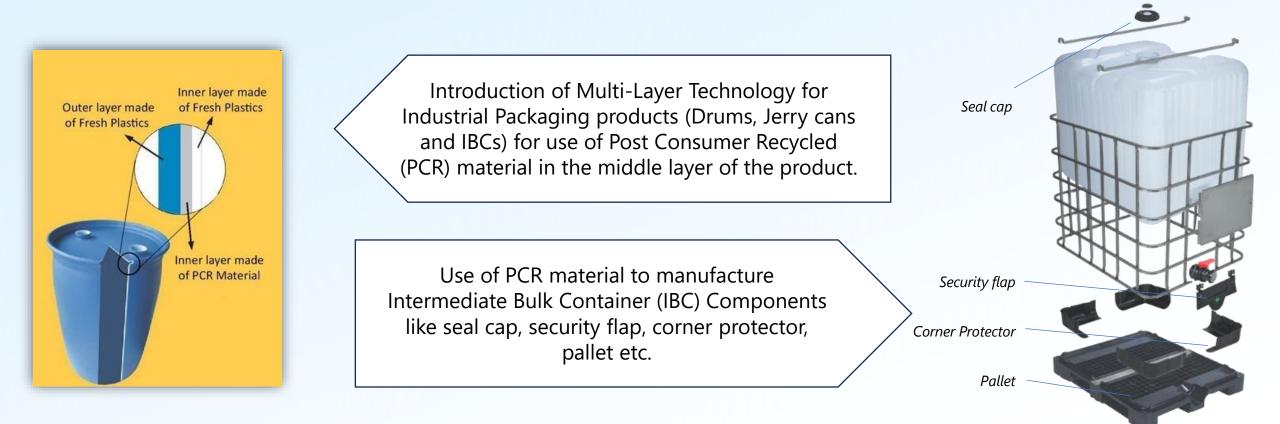
- Type-IV Carbon wrapped cylinders
- Light weight (90% weight reduction) - provides better fuel economy and better payload
- Reliable and safe
- Applications Hydrogen Cars, power generation (Towers)



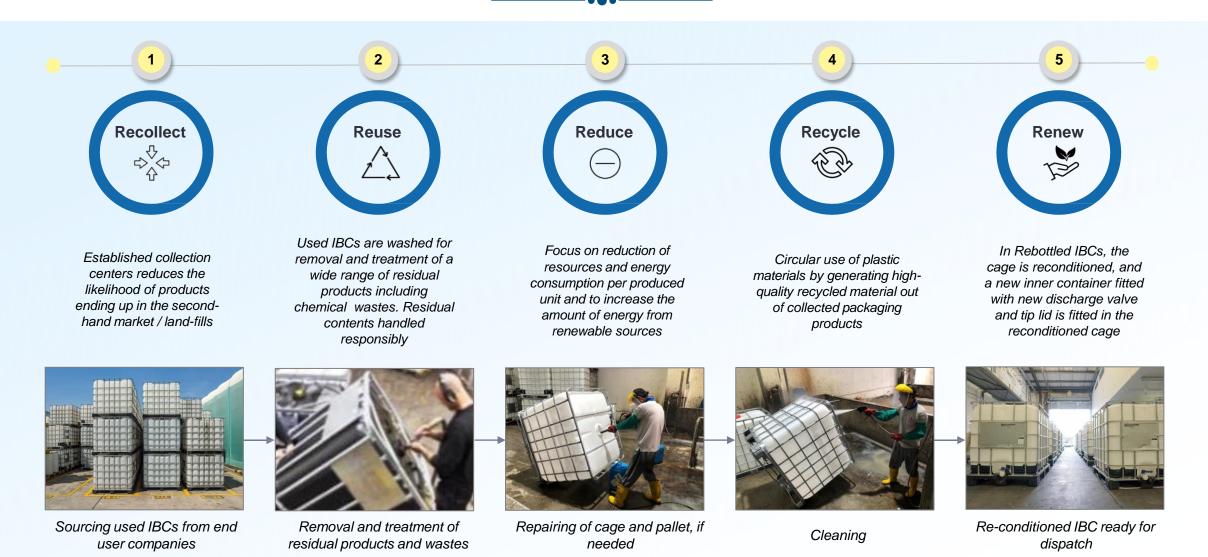
- Life Time Warranty
- Light weight (70% less), not prone to leakages, longer life, no denting, no scratches, corrosion free, no smelly water and less power consumption

Towards a SUSTAINABLE future with Technology and Transformation

Continuous Innovation to create a POSITIVE Environmental Impact Focus on reduction of waste from packaging products by RECYCLE and REUSE



REBOTTLE & REUSE of IBC with collection system



Continuous measures and innovation in place to optimize the use of water, fossil fuels and raw materials across processes

Focus on ESG for a Sustainable Development



5% Reduction in Carbon Footprint from FY22



- Developed 10% Green Belt by planting the trees like Mango, Ashok etc.
 - Saving of 5% from Renewable Energy (Solar Power) to Total Electricity Consumption



HAZARDOUS

- PAN India units registered under EPR, for reprocessing packaging products post-consumer use
 - 5% Reduction in hazardous waste from FY22 by implementing 3R (Reduce, Recycle & Reuse)



Ground water make up by installing Rainwater Harvesting



Employee Wellness- Medical check-up, Yoga & Stress Management sessions; Employee Welfare Trust to provide support

Our CSR efforts for a better society and a better tomorrow



Growth Drivers

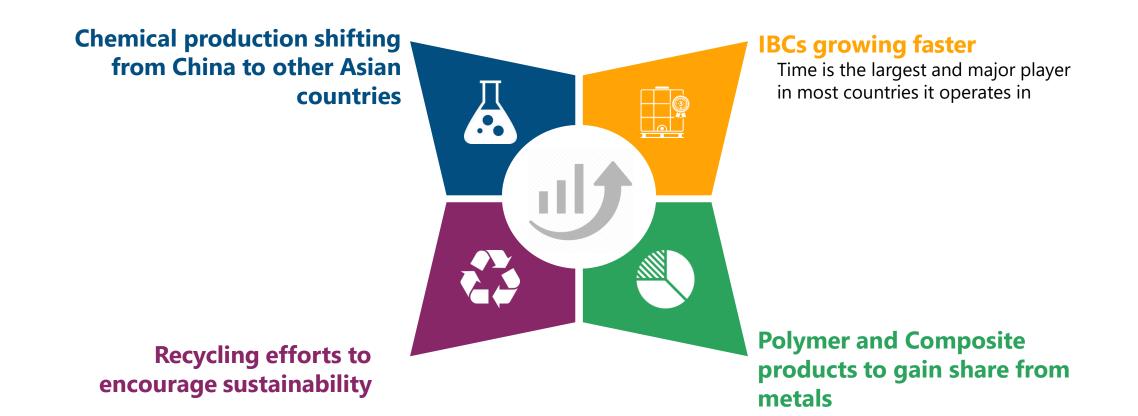
Core Business- Industrial Packaging

Huge growth opportunities for global industrial packaging market

Projected to grow from USD 69.5 Bn in 2022 to USD 123.2 Bn by 2032 (5.9% CAGR)

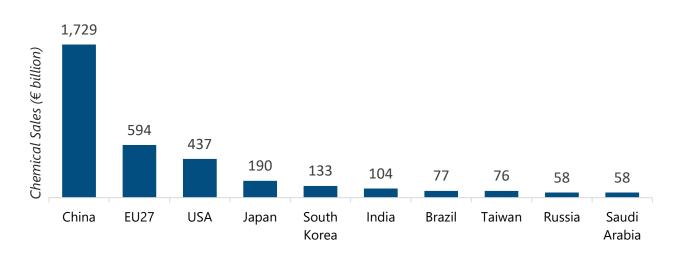
- > Chemicals, Pharmaceuticals , Food & Beverages etc. expected to grow significantly.
- Shift of chemical manufacturing base from China to India and other Asian countries, significant growth opportunity.
- Intermediate Bulk Containers (IBC's) gaining popularity due to cost effectiveness, easier handling and emphasis on sustainability.
- Faster replacement from metal to polymer and composite products due to substantial increase in steel prices.
- Huge potential market of around Rs. 2,200 Cr. per year for CNG cascades and CNG onboard applications aided by government thrust (Lower import bill and commitment for climate change).
- Government focused spend on Infra projects and development of smart cities (HDPE pipe business to contribute going forward).

Way Forward



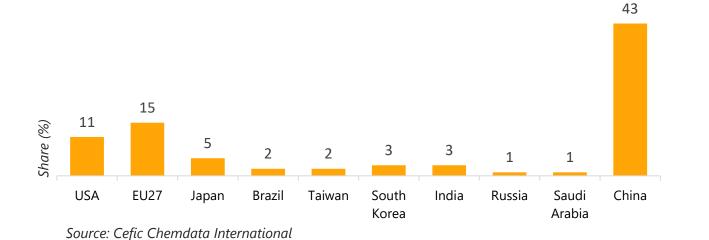
Global Chemical Industry

2021 Chemical Sales By Country: Top 10



For the year 2021, World chemical sales (excluding pharmaceuticals) stood at €4,026 Bn.

2021 Chemical Share (%) By Country: Top 10



China dominates the world chemical market while India holds its position as 6th largest.

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FY 23 Financial Snapshot





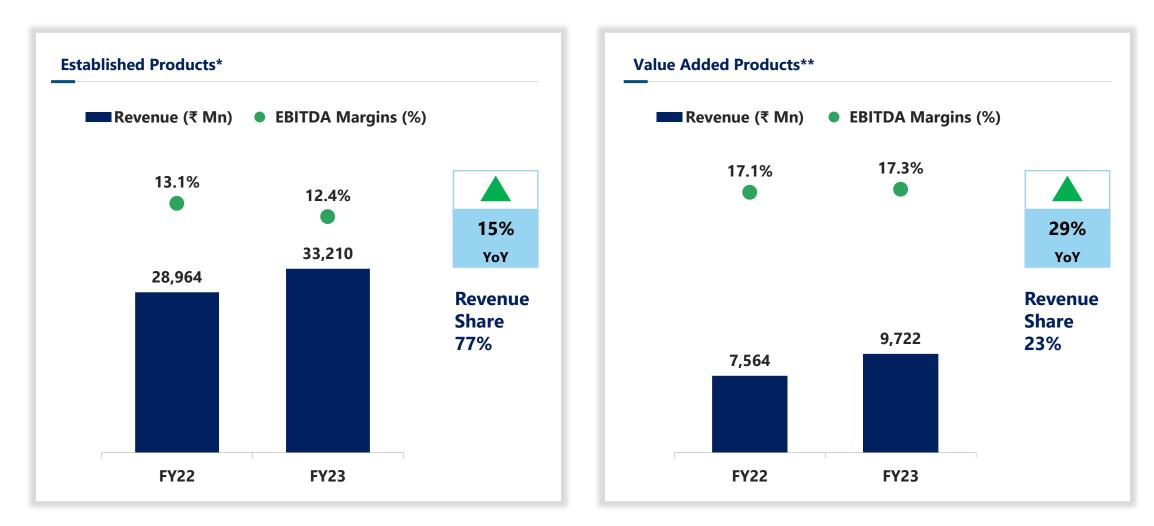
FY23

FY22

Particulars	India	Overseas
Volume Growth (13% YoY)	10%	22%
Revenue Growth (18% YoY)	13%	28%
Revenue Contribution	66%	34%
EBITDA Margin	13.8%	13.1%
PAT Margin	4.8%	5.7%
Cash Profit Margin	9.0%	9.3%

- Highest ever Revenue, EBITDA and PAT achieved in FY23.
- Total Debt reduced by ₹ 152 Mn in FY23 from previous year ended FY22.
- Value-added products grew by 29% in FY23 as compared to FY22, while established products grew by 15%. The company's focus remains to increase the share of valueadded products in its revenue and improve margins

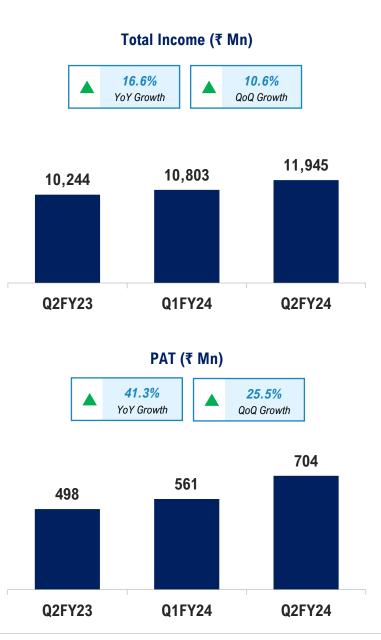
Strategic Direction towards Value Added Products

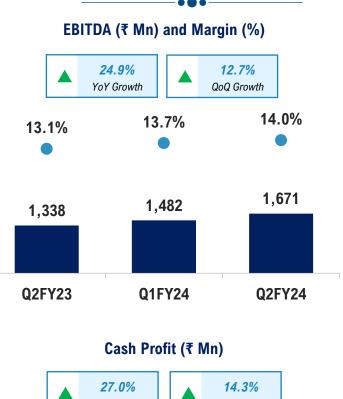


*Established Products- HM-HDPE plastic Drums/Jerry Cans and Pails, Polyethylene (PE) pipes, Turf & Mattings, Disposable Bins, Energy storage devices, Auto Products and Steel Drums.

**Value Added Products- Intermediate Bulk Containers (IBC), Composite Cylinders (LPG & CNG) and MOX Films.

Q2 FY 24 Financial Snapshot





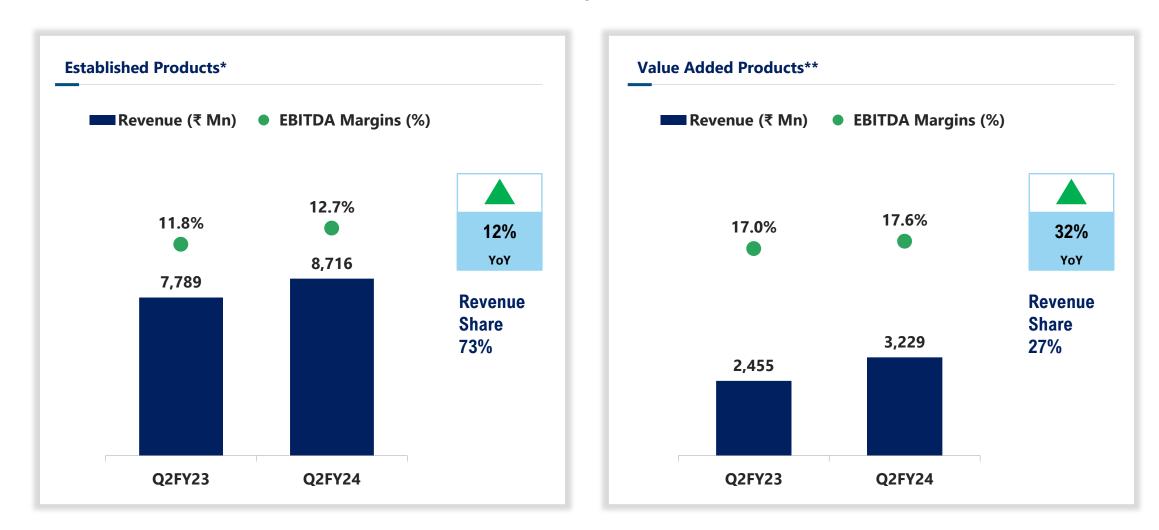


Particulars	India	Overseas
Volume Growth (18% YoY)	19%	14%
Revenue Growth (17% YoY)	18%	13%
Revenue Contribution	66%	34%
EBITDA Margin	14.2%	13.5%
PAT Margin	5.5%	6.7%
Cash Profit Margin	9.6%	10.0%

 Value added products grew by 32% in Q2FY24 as compared to Q2FY23, while established products grew by 12%. The company's focus remains to increase the share of value added products in its revenue, improve margins and ROCE.

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Strategic Direction towards Value Added Products (Q2 FY 24)



*Established Products- HM-HDPE plastic Drums/Jerry Cans and Pails, Polyethylene (PE) pipes, Turf & Mattings, Disposable Bins, Energy storage devices, Auto Products and Steel Drums.

**Value Added Products- Intermediate Bulk Containers (IBC), Composite Cylinders (LPG & CNG) and MOX Films.

Consolidated Income Statement

Particulars (₹ Mn)	Q2FY24	Q2FY23	H1FY24	H1FY23	FY23
Total Income	11,945	10,244	22,748	19,695	42,932
Total Expenses	10,274	8,906	19,595	17,115	37,123
EBITDA	1,671	1,338	3,153	2,580	5,809
EBITDA Margin (%)	14.0%	13.1%	13.9%	13.1%	13.5%
Finance Cost (Net)	255	240	519	471	1,052
Depreciation	457	417	913	824	1,709
РВТ	959	681	1,721	1,285	3,048
Тах	244	174	436	326	810
PAT before Minority Interest	715	507	1,285	959	2,238
Minority Interest	11	9	20	17	47
PAT after Minority Interest	704	498	1,265	942	2,191
PAT Margins (%)	5.9%	4.9%	5.6%	4.8%	5.1%
EPS (₹)	3.11	2.20	5.59	4.17	9.69

Consolidated Balance Sheet

	•	•		
H1FY24	FY23	Particulars (₹ Mn)	H1FY24	FY23
		ASSETS		
226	226			
23,435	22,467			
23,661	22,693	Non-Current Assets		
602	582	Fixed Assets		
		Property, Plant & Equipment	13,113	12,989
2,222	2,455	Capital Work-in-Progress	693	676
801	811	Right-to-Use Assets	777	837
1,058	1,012	Intangible Assets	1	1
4,081	4,278	Investments	15	-
		Others Financial Assets	345	343
5,540	5,647	Total Non Current Assets	14,944	14,846
4,311	4,060	Current Assets		
90	90	Inventories	10,269	9,951
6	6	Trade Receivables	9,741	9,430
412	406	Cash and Cash Equivalents & Bank Balance	1,157	1,014
150	150	Other Current Assets	2,750	2,644
285	381	Total Current Assets	23,916	23,039
10,794	10,740	Assets Classified As Held For Sale*	277	408
39,138	38,293	TOTAL - ASSETS	39,138	38,293
	226 23,435 23,661 602 2,222 801 1,058 4,081 5,540 4,311 90 6 4,311 90 6 412 150 285 285 10,794	H1FY24 FY23 226 226 23,435 22,467 23,661 22,693 602 582 2,222 2,455 801 811 1,058 1,012 4,081 4,278 90 90 60 6 1,058 5,647 4,311 4,060 90 90 60 6 412 406 150 150 285 381 10,794 10,740	ASSETS22622623,43522,46723,66122,693602582Fixed AssetsProperty, Plant & Equipment2,2222,455Capital Work-in-Progress801811Right-to-Use Assets1,0581,012Intangible Assets0thers Financial Assets0thers Financial Assets0thers Financial Assets1,0515,5405,5405,64710,79410,79410,79410,740Assets Classified As Held For Sale*	H1FY24FY23Particulars (₹ Mn)H1FY24ASSETSASSETS22622623,43522,66723,66122,693602582Fixed AssetsProperty, Plant & Equipment13,1132,2222,455Capital Work-in-Progress693801811Right-to-Use Assets7771,0581,012Intangible Assets10thers Financial Assets150thers Financial Assets3455,5405,647Total Non Current Assets14,9444,3114,060Current Assets10,2699090Inventories10,2697150150150150151Other Current Assets28538110,79410,704Assets Classified As Held For Sale*277

*In accordance with Ind AS 105 for Non-current Assets Held for Sale and Discontinued Operations, the management has identified and classified certain assets as held for sale

Consolidated Cash Flow

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Particulars (₹ Mn)	H1FY24	FY23
Net cash flow from operating activities	1,959	3,702
Profit before tax & extraordinary items	1,722	3,048
Depreciation	912	1,709
Interest	519	1,052
Others	24	55
Working Capital Changes	(825)	(1,506)
Tax Payment	(394)	(656)
Net cash used in Investing Activities	(893)	(2,155)
Purchase of fixed assets	(998)	(2,246)
Purchase of Investments	(15)	-
Others	120	91
Net cash used in financing activities	(932)	(1,539)
Net proceeds from borrowings	(340)	(151)
Repayment of lease liability	(61)	(102)
Dividend paid & tax on dividend	(12)	(234)
Interest paid	(519)	(1,052)
Net increase/(decrease) in cash & cash equivalents	133	8
Cash & cash equivalents as at (opening balance)	693	685
Cash & cash equivalents as at (closing balance)	826	693

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Product Segment Wise Value and Volume Numbers

	Value			Volume			
Particulars	FY23	FY23 FY22 YoY Growth	Unit	FY23	FY22	YoY Growth	
	(₹ Mn)	(₹ Mn)	%	Gint	F125		%
TURNOVER		, 					
REGULAR BUSINESS							
Packaging (Excl. IBC Business), Lifestyle , Auto , Batteries Business etc.	31,164	27,075	15.1%	M.T.	250,025	226,270	
PE Pipes	2,046	1,889	8.3%	M.T.	20,755	19,304	
Sub - Total	33,210	28,964	14.7%		270,780	245,574	10.3%
VALUE ADDED PRODUCTS							
IBC Business	5,017	4,097	22.5%	Nos.	627,339	532,449	
Composite Cylinders (LPG and CNG)*	3,457	2,310	49.7%	Nos.	978,912	921,254	
MOX Film	1,249	1,157	7.9%	M.T.	5,154	4,833	
Sub - Total	9,722	7,564	28.5%				24.4%
Total	42,932	36,528	17.5%				12.6%

*Includes business from CNG cylinders of Rs. 1539 Mn (P.Y. Rs. 557 Mn)

Except for the historical information contained herein, statements in this presentation and the subsequent discussions, which include words or phrases such as "will", "aim", "will likely result", "would", "believe", "may", "expect", "will continue", "anticipate", "estimate", "intend", "plan", "contemplate", seek to", "future", "objective", "goal", "likely", "project", "should", "potential", "will pursue", and similar expressions of such expressions may constitute "forward-looking statements", These forward looking statements involve a number of risks, uncertainties and other factors that could cause actual results to differ materially from those suggested by the forward-looking statements. These risks and uncertainties include, but are not limited to our ability to successfully implement our strategy, our growth and expansion plans, obtain regulatory approvals, our provisioning policies, technological changes, investment and business income, cash flow projections, our exposure to market risks as well as other risks. The Company does not undertake any obligation to update forward-looking statements to reflect events or circumstances after the date thereof.



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Commercial Benefits – Type I vs Type IV

Sr. No	Parameter	Steel Cylinder Type I Cascade	Composite Cylinder Type IV Cascade	Remarks
1	Size	75 Litre	156 Litre	
2	Number of Cylinders/Cascade	60 Nos	60 Nos	
3	Total CNG Carrying Capacity (Water Litre Capacity)	4,500 WLC	9,360 WLC	
4	Indicative Cost of Cascade (Rs)	23.00 Lakhs	82.00 lakhs	
5	Cost of Vehicle (Rs)	20.00 Lakhs	20.00 Lakhs	
6	Capex per Cascade with vehicle (Rs)	43.00 Lakhs	102.00 Lakhs	
7	Capex required for carrying 9000 WLC CNG (including vehicle)	43.00 X 2 = 86.00 Lakhs	102.00 Lakhs	Additional Capex 16.00 Lakhs

TIME







Sr. No	Parameter	Steel Cylinder Type I Cascade	Composite Cylinder Type IV Cascade	Remarks
1	Distance Assumed	100 kms	100 kms	
2	Running Cost (Rs/km)	32	30	Type I Cascade Wt: 9702 X 2 = 19404 kg Type IV Cascade Wt: 5820 kg
3	Cost of Running 100 kms (Rs)	3200 X 2 = 6,400	3,000	
4	Running cost (Rs/Litre/100 km)	0.71 per Litre per 100 km	0.32	
5	Total CNG carried per trip (Litres)	9000	9360	
6	Number of Trips per month (per fill station)	52	52	
7	Cost required for transporting 9000 WLC CNG (Rs)	6,400	2,884	55% Savings of Rs 3,516 per 9000 Ltrs
8	Saving per 9000 WLC CNG transportation (Rs)		3,516	
9	Monthly transportation Cost 52 trips (Rs)	3.32 Lakhs	1.50 Lakhs	
10	Monthly savings per 9000 Ltrs (Rs)		1.82 Lakhs	









Commercial Benefits – Type I vs Type IV

Sr. No	Parameter	Payback period and Savings over 20 years
1	Additional Capex for 9000 Litre CNG transport (Rs)	16.00 Lakhs
2	Savings per month in 52 trips (Rs)	1.82 Lakhs
3	Payback period (for Rs 9.00 lakhs extra Capex)	Less than 9 months
4	Total Savings over a 20 year period (Rs)	437.00 Lakhs

* Additional Savings on Recertification charges