



Fedders Lloyd Corporation Ltd

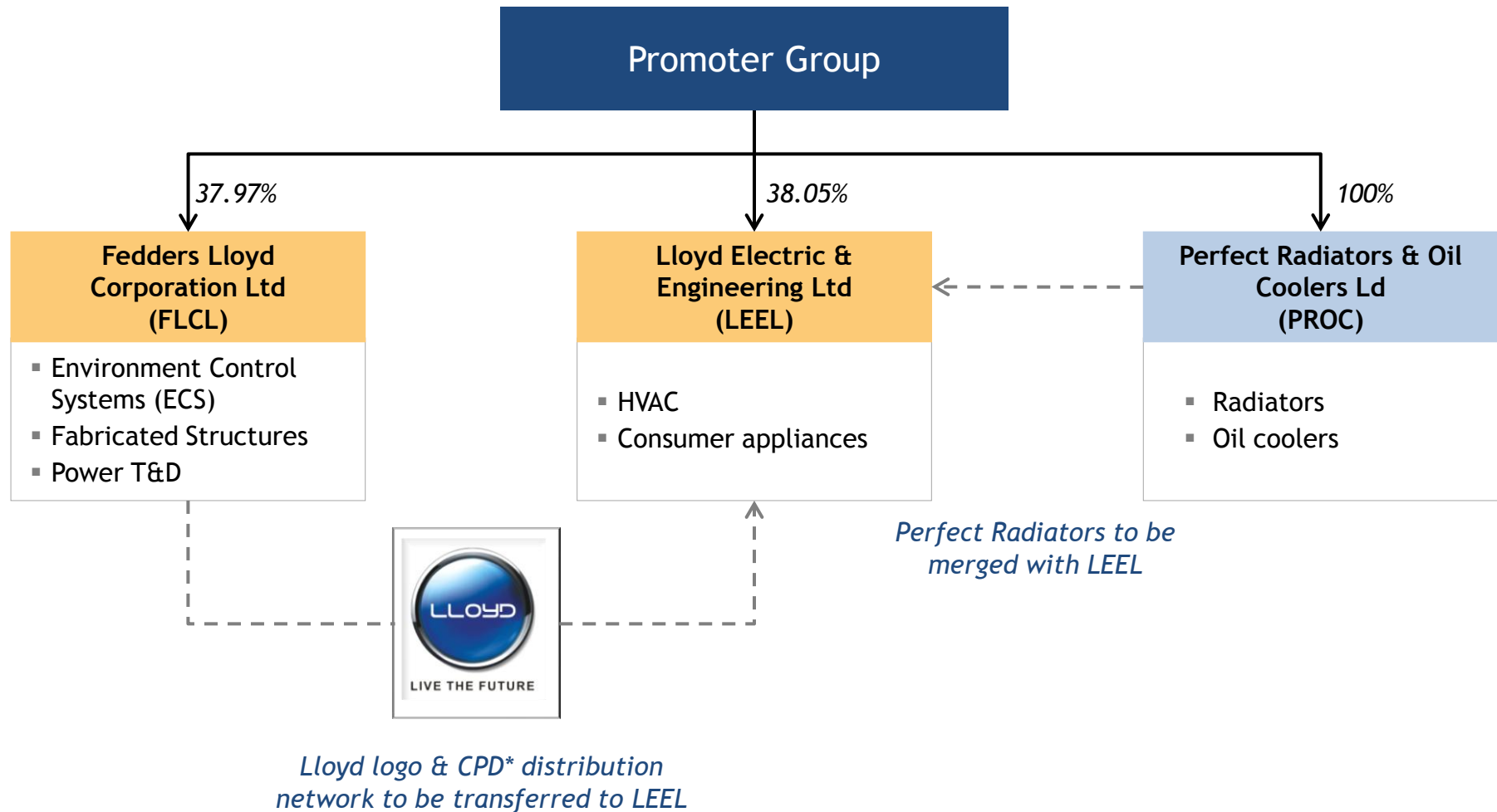
Investor Presentation

January 2012

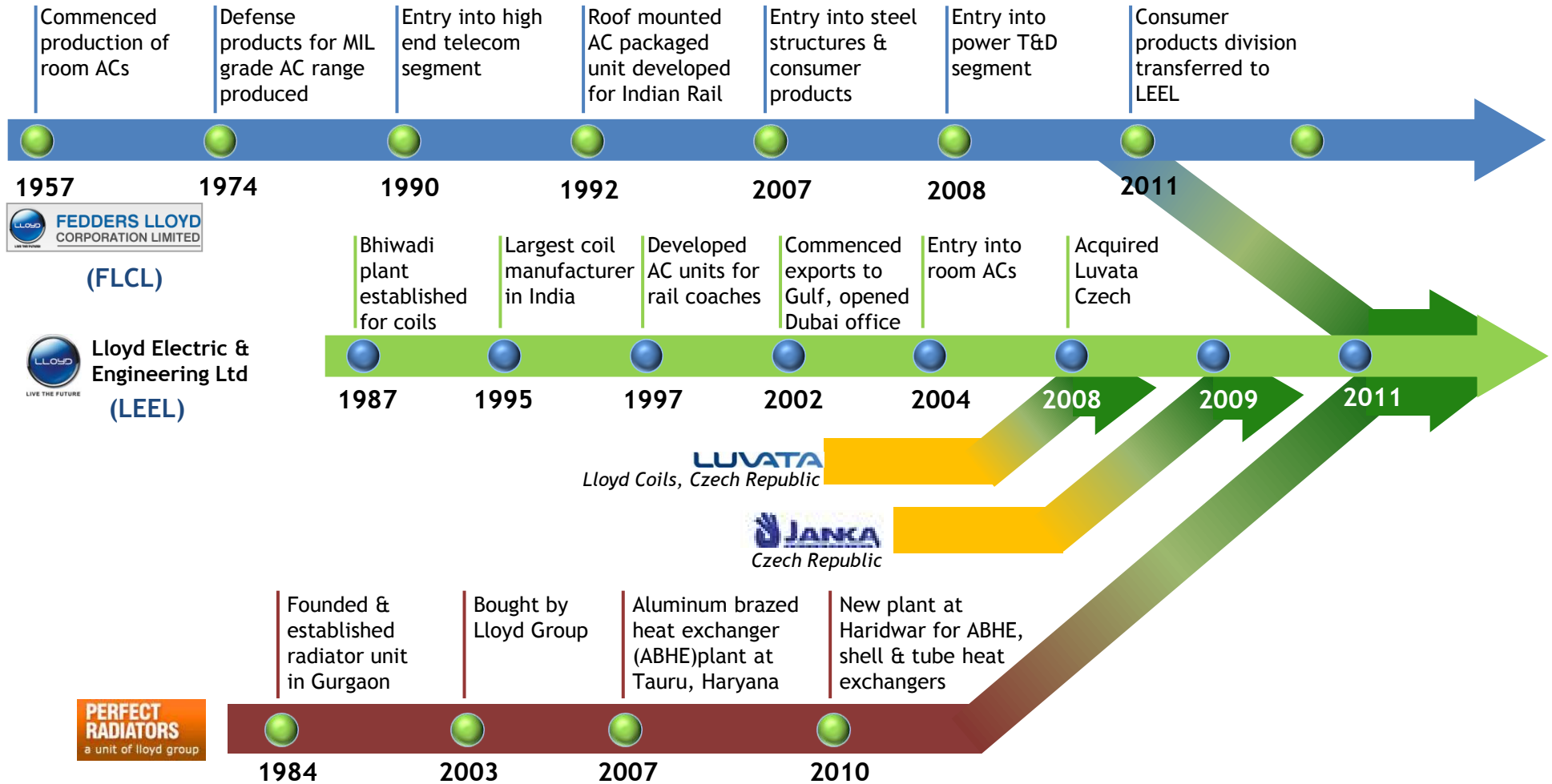
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Group Overview



Corporate History





Company Overview

Brief Introduction

- Part of the USD 500mn Lloyd Group of India
- Listed on Bombay Stock Exchange & National Stock Exchange in 1994
- Production capacity of 24,000 MT of steel structures annually (single shift basis)
- ISO 9001 certified for structural steel fabrication division
- Qualified supplier of Environmental Control Systems (ECS) products to all government defence organizations in India

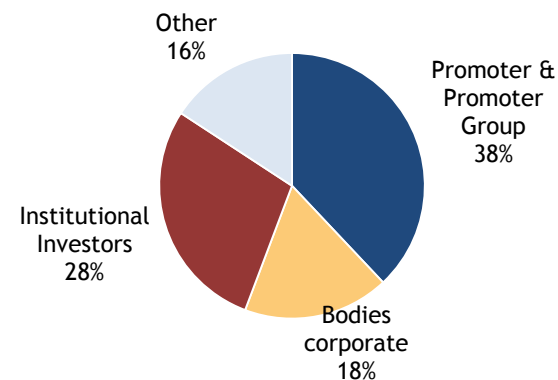
Key Financials (standalone) (Rs mn)

	FY07	FY08	FY09	FY10	FY11
Revenue	3,485	4,468	4,609	6,854	8,579
EBITDA	301	316	303	790	933
PAT	182	193	113	401	466
Net worth	1,285	1,475	1,550	1,913	2,322
Net debt	663	674	1,100	1,686	2,300

Key Business Segment

- ECS solutions for critical applications
 - ⇒ Defence applications
 - ⇒ Telecom towers
- Structural steel division - turnkey customized solutions for fabricated structures
 - ⇒ New business - fabrication of wind towers, power plant components
- Power T&D division - turnkey execution of power transmission line & substations
 - ⇒ New business - railway overhead electrification

Shareholding Pattern



Product/Service Segment

ECS (Air Conditioning solutions for niche segments)



Steel Structures & Engineering



Power T&D



Key Markets

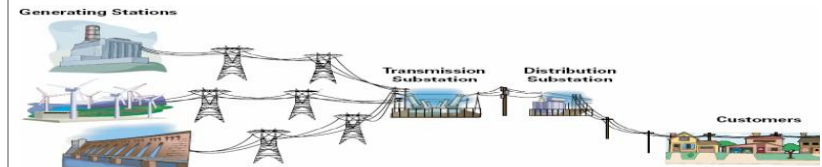
Defence, Telecom



Industrial units, Civil structures, Wind energy, Railway bridges

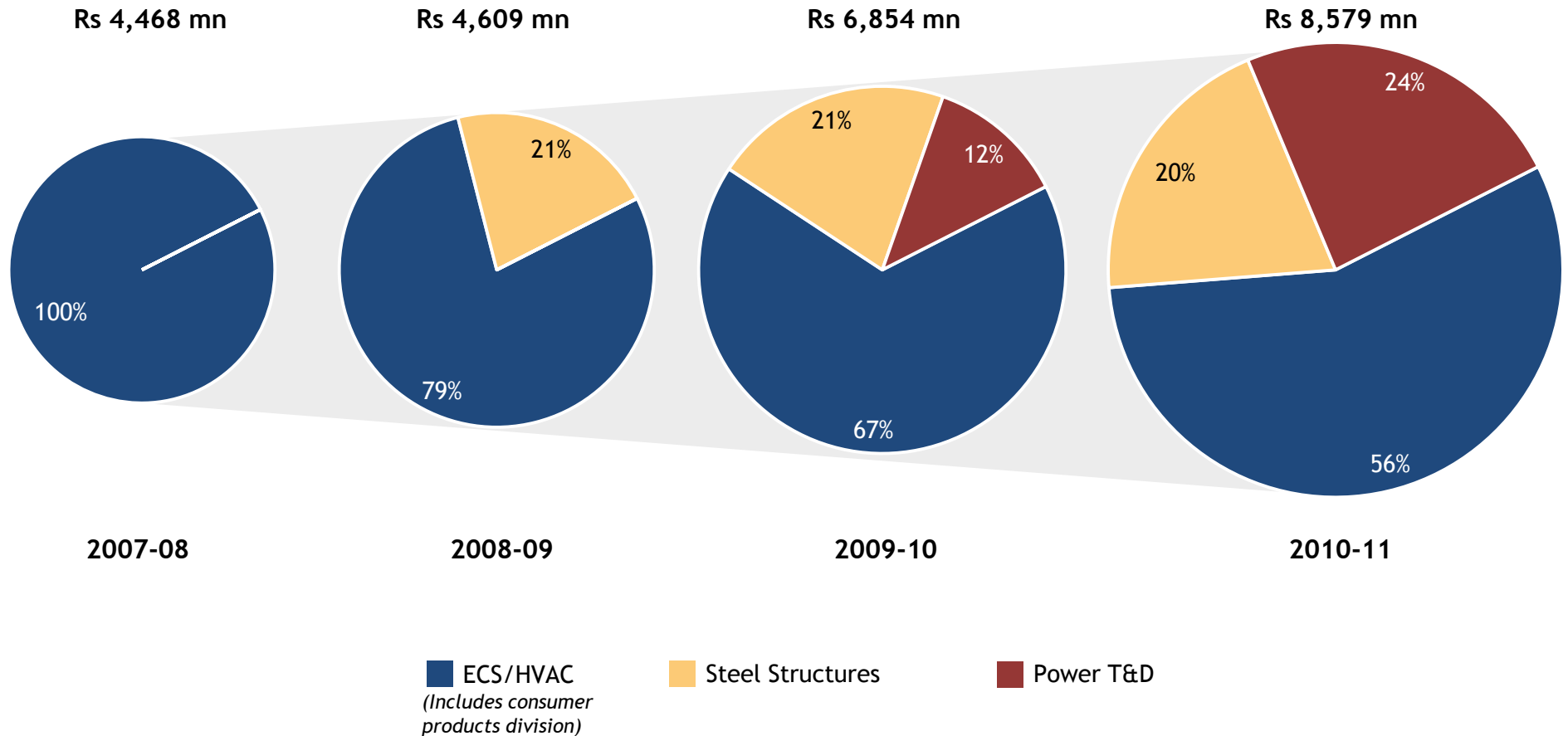


Transmission companies, Distribution companies, Railway



New Businesses Contribute a Little Less Than Half of its Revenues

Share of Business Segments in Sales



Company has successfully diversified in new high growth areas



Environmental Control Systems (ECS) Segment

Defence Segment

Ruggedised MIL grade tank
AC unit for ambulance



Ruggedised MIL grade tank
AC unit for armored tank



Trolley mounted packaged unit
for radar applications



Ruggedised AC system for
mine protected vehicle



Military graded trolley mounted ACs
for aircraft hangars & troop tents



Specially designed ACs for
stallion vehicles



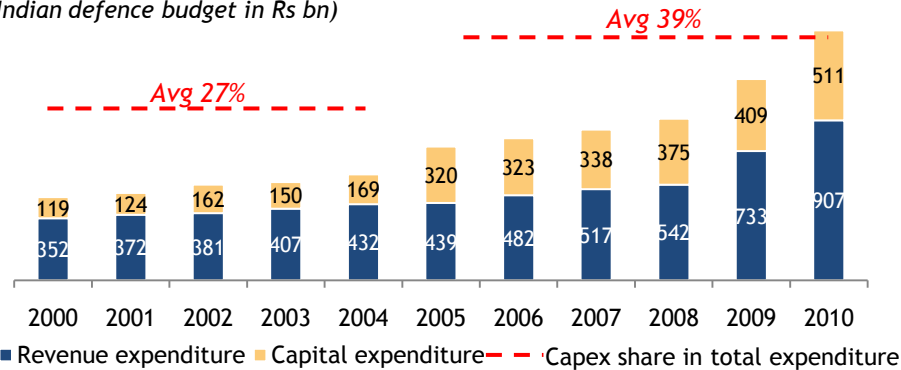
Telecom Segment

High Sensible Packaged Units



Share of Capex Has Risen in Total Defence Spends

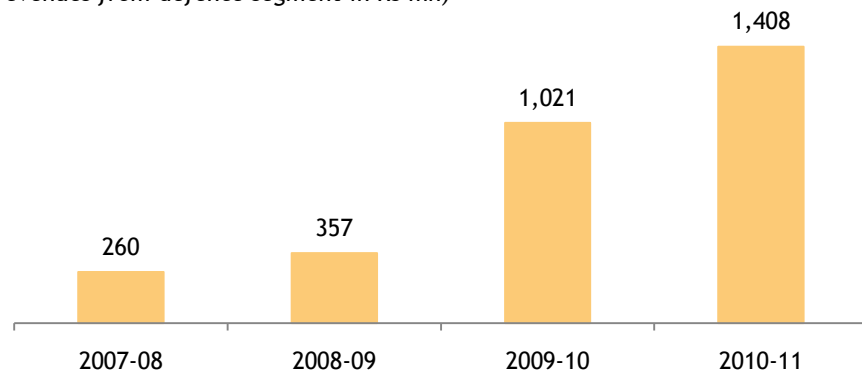
(Indian defence budget in Rs bn)



Source: Union Budget & Economic Survey

Steady Growth in Segment Revenues

(revenues from defence segment in Rs mn)



Key Business Economics

- High margin products
 - ⇒ Specialized products with few established suppliers
 - ⇒ Technology intensive products
- Demand driven by defence expenditure
 - ⇒ Governments impetus to increase indigenous products
 - ⇒ Reduction in dependence on imported products
- High R&D expenditure for developing new products
- High entry barriers due to qualification requirement and product development cycle

Key Competitive Advantages

- Ability to customize products for specific customer requirements
- Rich experience of over 20 years in building air conditioning systems for wide variety of applications
- Supplying air conditioning products to Indian defence establishments since 1974
- Approved by defence procurement/quality assurance agencies - DGQA, DGAQA, DRDO, DRDL⁽¹⁾ - a key entry barrier in the segment
- Nation wide service network in over 20 cities covering all regions

Experience plays a key role in segment where product reliability is critical

(1) DGQA: Directorate General of Quality Assurance, Ministry of Defence, Govt of India
DGAQA: Directorate General of Aeronautical Quality Assurance, Ministry of Defence, Govt of India

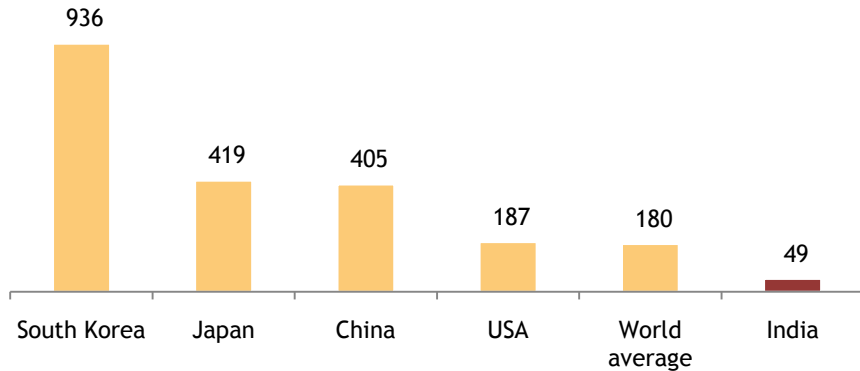
DRDO: Defence Research & Development Organization
DRDL: Defence Research & Development Laboratories



Steel Structures & Engineering Segment

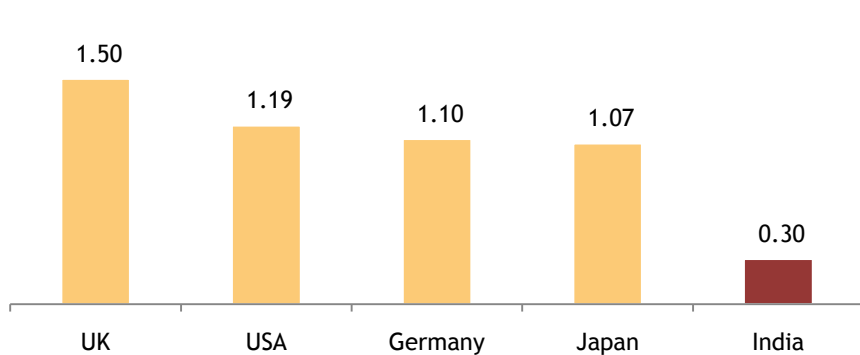
Low Steel Consumption in India

(steel consumption per capita in kg)

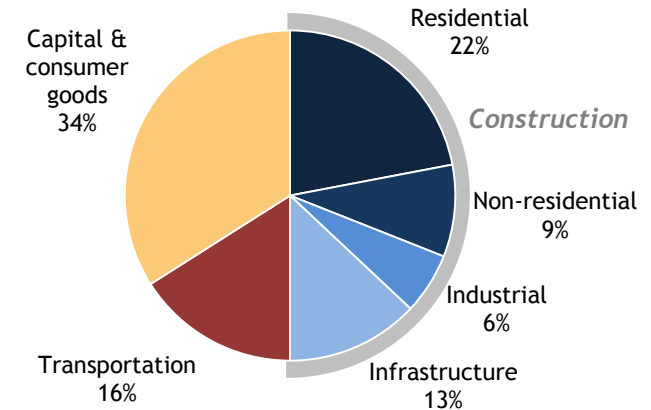


Low penetration of Steel in Construction Sector in India

(steel cement ratio in construction)

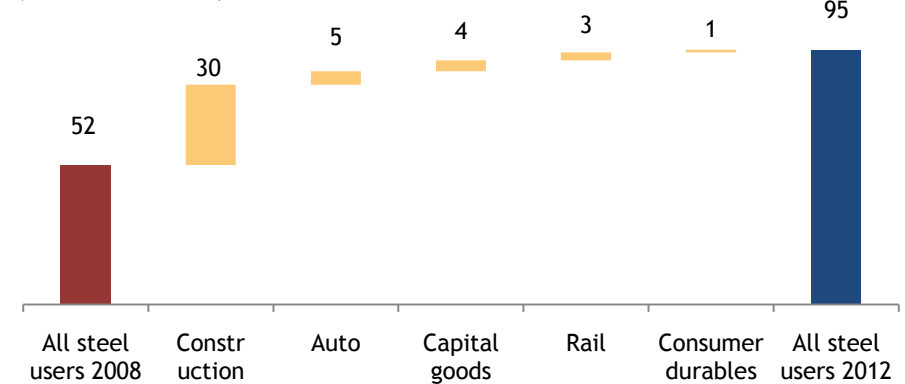


50% of Steel Consumption is Towards Construction Segment



Construction Will be Largest Growth Area for Steel Demand

(demand in mn MT)



Steel consumption is expected to see significant growth especially in construction segment



Warehouses



Indoor/Outdoor Stadium



Rail/metro stations



Parking lot



Industrial units



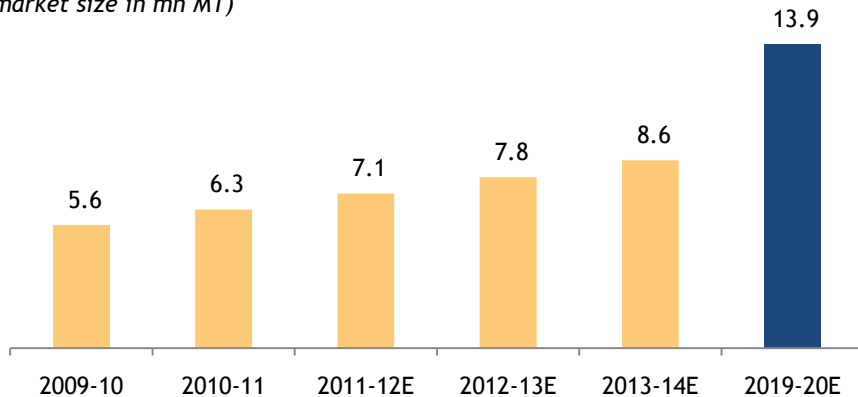
Pre-fabricated buildings

Key Growth Drivers

- Large investments in infrastructure space
 - ⇒ Investments in infrastructure estimated at USD 1 trillion in 12th Five Year Plan
- Capacity build-up in other industrial sectors
- Under-penetration of structural steel in construction
 - ⇒ Share of steel in building construction in India is 1% compared to 70% in UK

Market for Steel Structures Expected to Grow 10% Annually

(market size in mn MT)



Steel structures are expected to see very high growth for next few years

Key Advantages of Steel Structures



Savings in construction time - up to 30%

high level of automation



Significant cost savings

high level of automation



Earthquake resistant centres

high strength to weight ratio



Modular installation provides flexibility

assembled and fixed using nuts & bolts



Improved design & aesthetics

steel can be bent and shaped in desired shapes



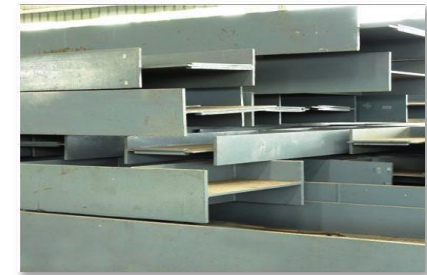
Star columns



Connections



Bridge girders



Auto welded sections



Box columns & girders



Beams



Sliding doors



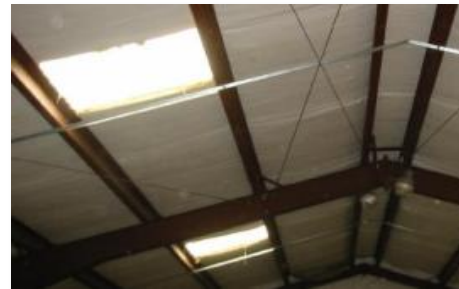
Turbo ventilators



Fixed louver



Window



Roof skylight



Roll-up doors

Overall Capacity of 80,000 MT

Location	Capacity (MTPA)	Product
Sikandarabad	12,000	Steel structures
Haridwar	12,000	Steel structures
Pantnagar	3,000	Steel structures
Ranipet	15,000	Steel structures
Kal Amb	3,000	Scaffolding
Noida	6,000	Scaffolding
Bharuch	30,000	Wind tower

Adherence to Highest Standards of Quality



Fully Automated Plants & Cutting Edge Design Capabilities



CNC plate cutting machine



CNC drill machine



Band saw machine



CNC machine

Design & Detailing Expertise

- Programs such as Stadd-Pro, X-Steel, Tekla used for designing
- AutoCAD 2012 for structural drilling

Technology & Quality form the company's mainstay in steel structures business

Key Clients

Government / Public Sector



Private Sector

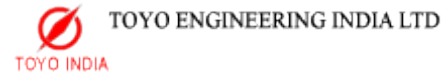


Multinational



Vendor Empanelment

- Empanelled with key large clients as preferred supplier for specific products



Military Engineering Services

Mazgaon Dock Ltd

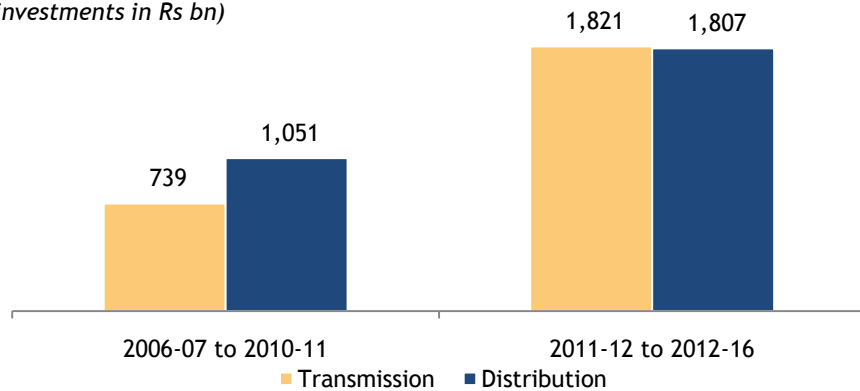
Valuable client base & preferred status with many clients



Power T&D Segment

Transmission Capex in Next 5 Years Expected to Double

(investments in Rs bn)

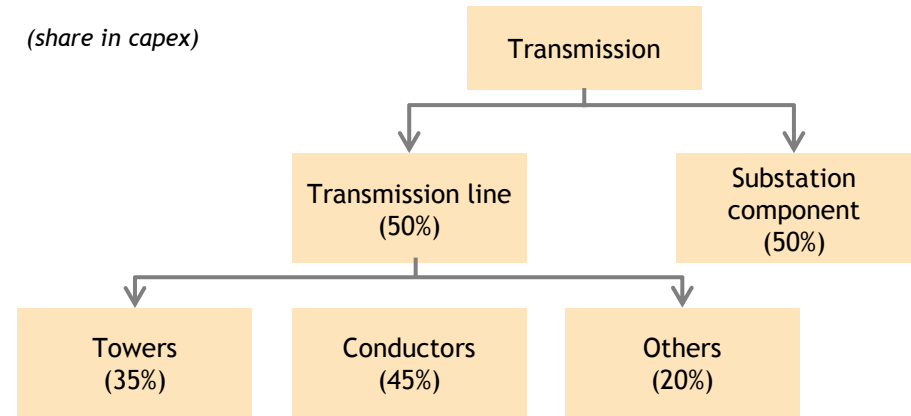


Key Growth Drivers

- Historically transmission sector is under-invested vis-à-vis generation
 - Transmission capacity needs to catch up with generation capacity
- Capacity addition by PGCIL to augment inter-region transmission
- Investments by state transmission utilities
- Private sector investments

Breakdown of Total Transmission Capex

(share in capex)



12th Five Year Plan Perspective

(Rs bn)	10 th Plan	11 th Plan	12 th Plan
PGCIL capex	189	550	1,200
State capex	285	670	1,200
Private capex		180	
Total	474	1,400	2,400

Lag in transmission capacity vis-à-vis generation capacity has ensured the dramatic growth in transmission investments

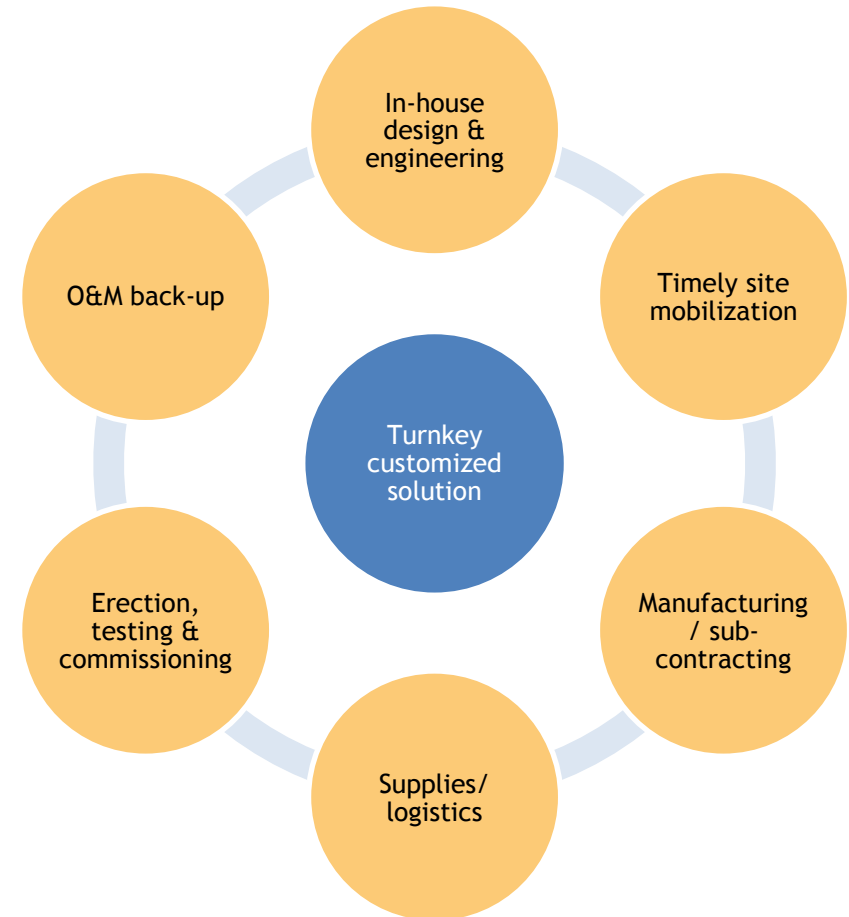
Service Offering

- Turnkey execution across entire value chain of power evacuation & delivery
 - ⇒ Transmission line projects
 - ⇒ Substation projects
 - ⇒ Distribution infrastructure
- Target clients
 - ⇒ Central utilities
 - ⇒ State transmission companies
 - ⇒ Independent power producers
 - ⇒ Private discoms

Focus Areas

- EHV transmission lines up to 765 kV
- EHV substations up to 400 kV
- Sub transmission & distribution projects
- Rural electrification projects covered under APDRP/WB-ADB funded plans
- International projects

Complete End-to-End Solution



Domestic Projects Under Execution

Client	Project details
HVPNL -Panchkula	400 KV T/L from Jhajjar to Dhanonda
HVPNL -Panchkula	Exten order for 400 KV T/L from CLP to Jhajjar
Best, Crompton -REC-077/HVPNL	Supply of conductors, line hardware, insulators
HVPNL -Panchkula	73 Kms of 400 KV T/L Dhanonda to Dalautabad
MPPKVCL-Jabalpur	Implementation of HVDS in MP Circle
MPMKVCL Bhopal	Implementation of HVDS in MP Circle

Key Product/Service Areas



Transmission tower erection

Substation - erection & commissioning





New Growth Segments

Wind Towers & Precision Fabrication

Railways

New Fabrication Facility at Bharuch

- Currently under construction to be commissioned in March 2012
- Capacity of 30,000 MT at Bharuch in Gujarat, with a capex of Rs 750 mn
- Spread over a 40 acre area
- State-of-the art fabrication shop with high end machines from Siemens & Davy
- State-of-the-art machining shop for precision machining applications

Strategically Located



Resources	
Essar Steel	Hazira, 80 km
Welspun Steel	Kandla, 350 km
Connectivity	
Rail	0.5 km - proposed Mumbai Delhi DFC
Road	2 km - Bharuch Baroda SH 12 km - NH8
Sea	32 km from Dahej Port

Wind Tower Manufacturing



- Capability to fabricate towers for up to 3MW turbine capacity
 - ⇒ Up to 100m height & 270-300MT weight
- High quality standards to meet zero defect standards required
- High end machines which enable bending of metal in cold conditions

Other Fabrication

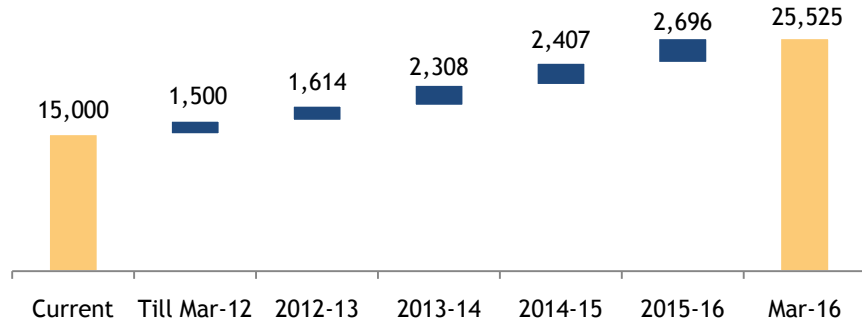
- Fabrication of power plant components
 - ⇒ Fabrication of stator parts for generator
 - ⇒ Machining of rotor shafts & flanges for generator
- Fabrication of pipes for petrochemical plants



The company has successfully leveraged its skill & technology base to identify and enter new product areas

Avg 2,300 MW of Wind Capacity to Add Each Year till FY16

(capacity in MW)



Upcoming BTG Capacities in India (GW)

Player	Current	New	Commissioning	Location
BHEL	15	5	Dec 2012	
L&T-MHI	4	0		Gujarat
BGR-Hitachi	0	4	2013	Tamil Nadu
JSW-Toshiba	0	3 ⁽¹⁾	2012-13	Tamil Nadu
Bharat Forge-Alstom	0	5 ⁽¹⁾	Dec 2012	Gujarat
Thermax - Babcock&Wilcox	0	3 ⁽²⁾	Dec 2012	Maharashtra
GB Engineering - Ansaldo	0	2 ⁽²⁾	N.A.	Tamil Nadu
TOTAL	19	14		

(1) Only Turbine-Generator
(2) Only Boiler

Fragmented Tower Capacity, High Costs

- Largest organized player Suzlon produced only 169 & 122 towers in FY09 & FY10 resp.
⇒ ~33% of their total supply of towers
- Most capacity based in Trichy with small scale players
⇒ High transportation cost to Gujarat, Maharashtra & MP
- Requirement of technically advanced towers with higher hub heights, larger turbines
⇒ Resistance to swings critical for stability and turbine performance

Large Market in Gujarat from Petrochemicals Sector

- Share in India's production 51% of chemicals, 62% of petrochemicals
- 8 chemical product clusters, 3 chemical & petrochemicals SEZs
- Gujarat Petroleum, Chemicals & Petrochemicals Investment Region (PCPIR) in Bharuch
⇒ Spread of 453 sqkm, houses a multi-product SEZ
- 11 existing chemical/petrochemical units in PCPIR
- Proposed investment of USD 3.2 bn by PSUs
- Projects under implementation - USD 5.7bn in PCPIR, USD 4.1bn in Dahej SEZ

Source: Gujarat Industrial Development Corporation



New Growth Segments

Wind Towers & Precision Fabrication

Railways

Key Product/Service Areas for FLCL

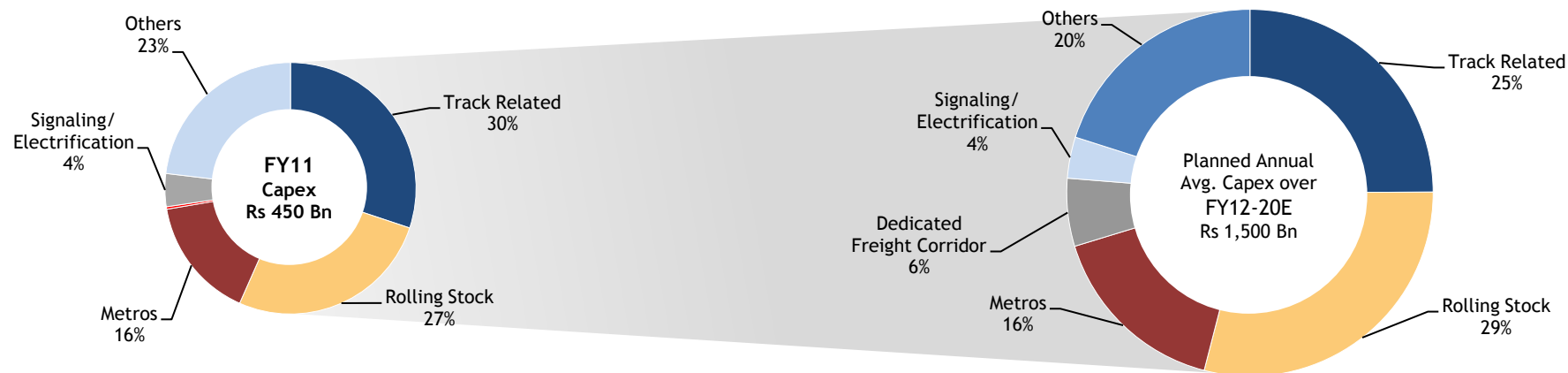
Railway Overhead Electrification	<ul style="list-style-type: none"> • Steel structures • Erection & commissioning on turnkey basis
Signaling	<ul style="list-style-type: none"> • Railway signaling systems on a turnkey basis
Tracks	<ul style="list-style-type: none"> • Earth laying on a turnkey bases

Indian Railways Capex Program is Key Growth Driver

- Capex of Rs 3,600 bn to happen towards tracks, signalling & electrification from 2012-13 to 2019-20
 - ⇒ S&T - Rs 353 bn
 - ⇒ Electrification - Rs 116 bn
 - ⇒ Track related - Rs 3,131 bn
 - ⇒ New tracks - Rs 1,705 bn
 - ⇒ Track renewal - Rs 664 bn
 - ⇒ Doubling - Rs 440 bn
 - ⇒ Gauge conversion - Rs 322 bn

Note: VISION 2020 , Indian Railways; Estimates

Annual Average Capex Planned Over FY12 - FY20 of Rs 1,500bn



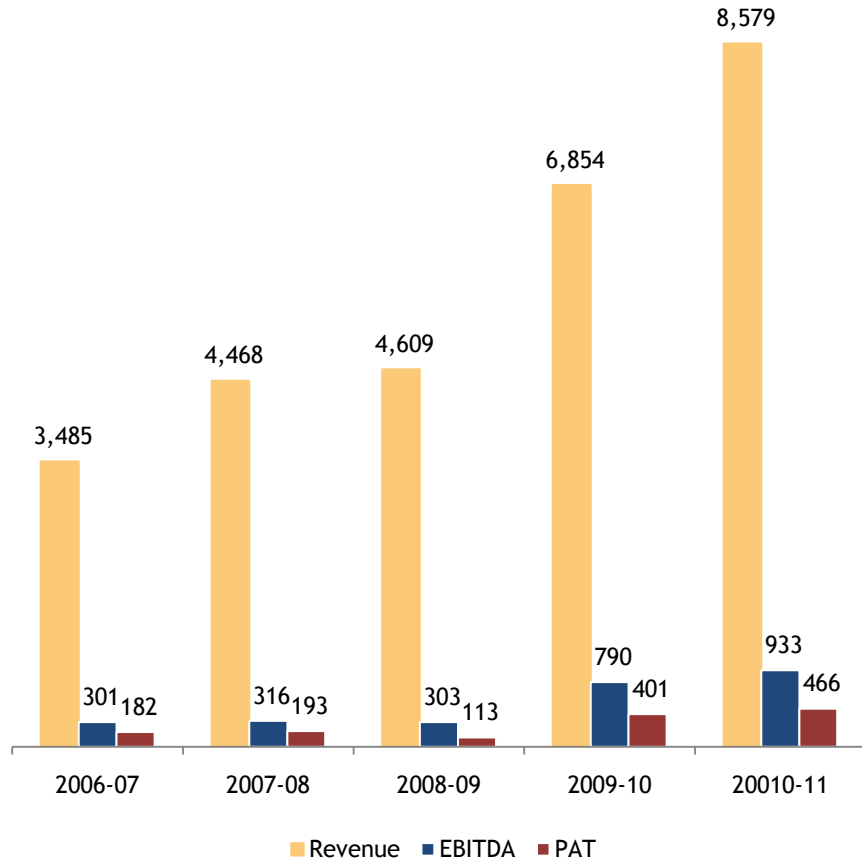
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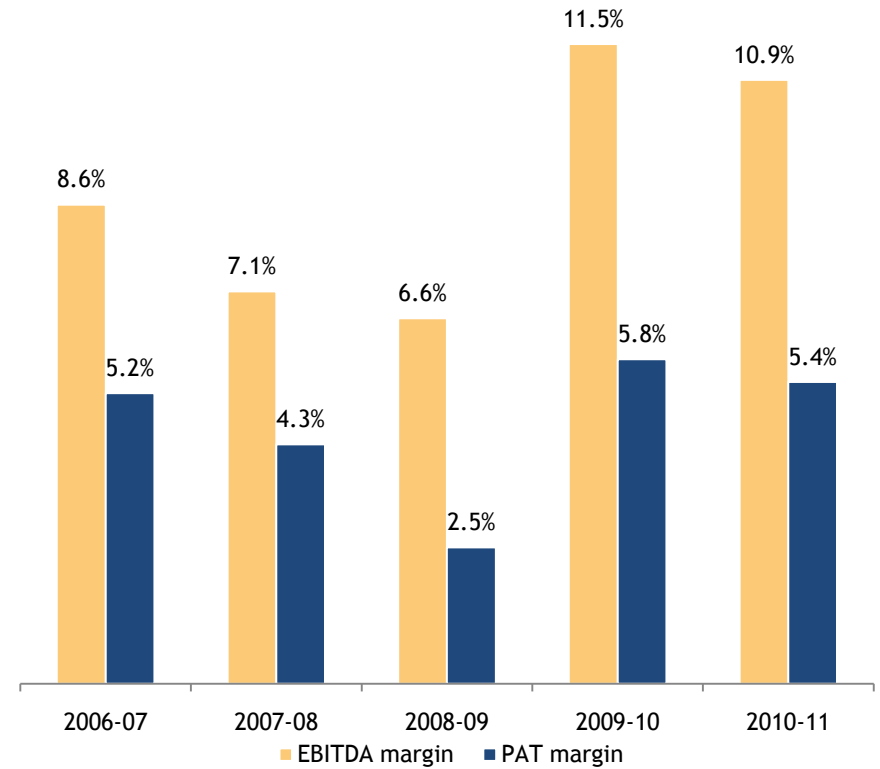
Financial Overview

Steady Growth in Topline...

(Rs mn)



...Supported by Improving Margins From New Margin Businesses



Key Financials - Balance Sheet (standalone)

(Rs mn)	2006-07	2007-08	2008-09	2009-10	2010-11
SOURCES OF FUNDS					
Shareholders' Funds	1,285	1,475	1,550	1,913	2,323
Debt	694	749	1,164	1,846	2,793
Deferred Tax Liability	17	6	15	25	11
TOTAL	1,996	2,230	2,729	3,785	5,127
APPLICATION OF FUNDS					
Net Fixed Assets (with CWIP)	570	604	985	1,103	1,571
Net Current Assets (ex-cash)	1,374	1,529	1,662	2,506	3,047
Cash	31	75	64	160	493
Others	21	23	19	16	13
TOTAL	1,996	2,230	2,729	3,785	5,127

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