

Genus Power Infrastructures Limited

Genus
energizing lives

Corporate
Presentation

July 2017



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Business Overview





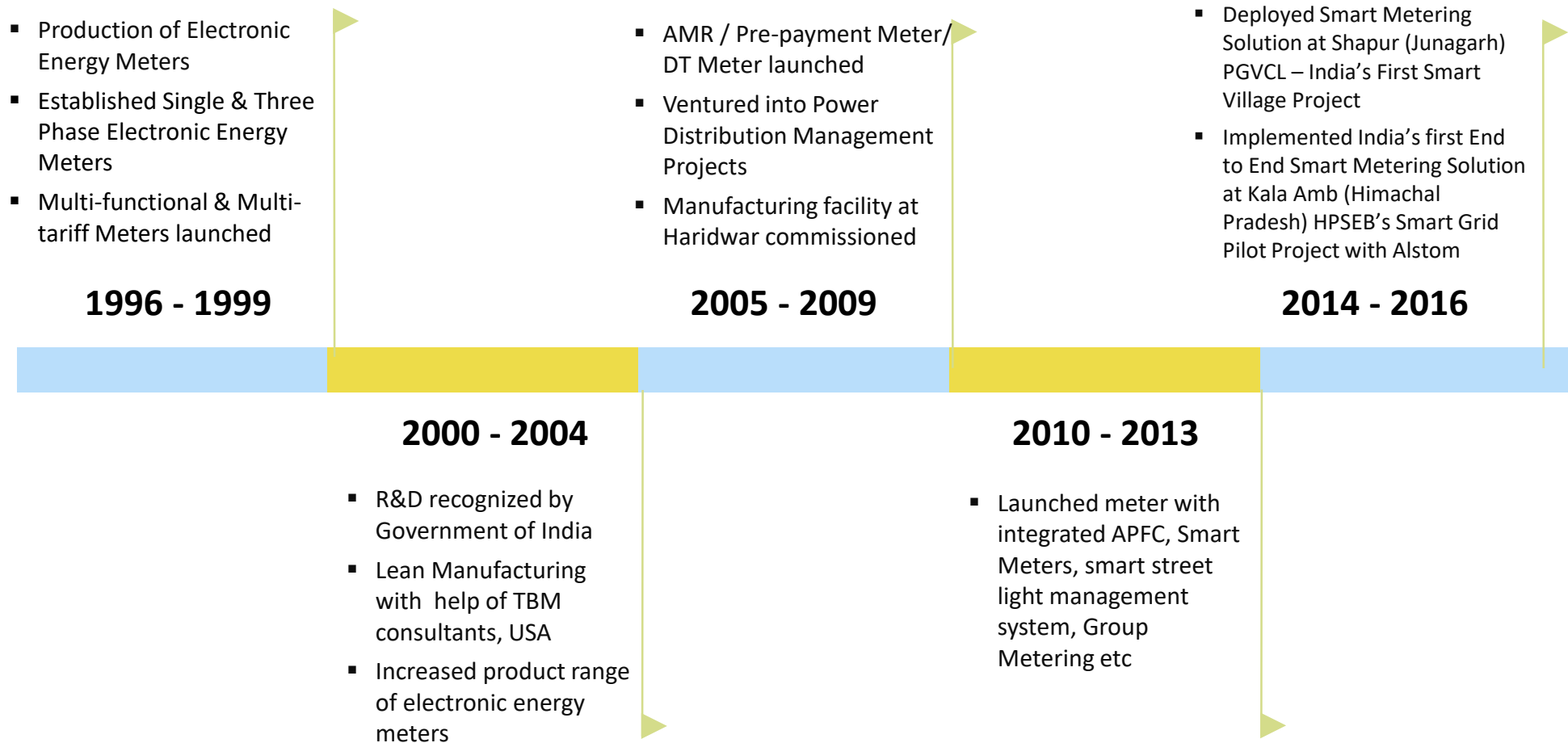
- ☀ Incorporated in 1992, Part of \$400 mn Kailash Group
- ☀ Over 2 decades of experience in electricity metering solutions industry

- ☀ Largest player in India's electricity meter industry
- ☀ ~27% market share in Meter Industry
- ☀ ~70% market share in Smart Meters



- ☀ Empanelled with 40+ different utilities across the country
- ☀ 42mn+ Meters installed
- ☀ Capability to undertake turnkey power projects up to 400 KV

- ☀ Top-notch In-house R&D recognized by Govt of India
- ☀ 25,000 Sq. Mtrs of Integrated Manufacturing
- ☀ Annual Production capacity of 10 Mn+ meters





Mr. Ishwar Chand Agarwal
Executive Chairman



Mr. Kailash Chandra Agarwal
Vice-Chairman, Non-Executive, Non-Independent



Mr. Rajendra Kumar Agarwal
Managing Director and CEO



Mr. Jitendra Kumar Agarwal
Joint Managing Director



Dr. Giriraj Nyati
COO - Metering Solution



Mr. R Viswanathan
Executive VP - Marketing



Dr. Anukram Mishra
Executive VP - Technology



Mr. Nathu Lal Nama
Sr. VP - Finance & Accounts



Mr. Rajbir Sharma
Sr. VP - Projects



Mr. Ranvir Singh Rathore
VP - R&D



Infrastructure

CAD, Dies and Mold designs, Molding, Automated SMT lines, Lean Assembly techniques and the state-of-the-art manufacturing facilities with complete forward and backward integration

R&D

In-house R&D Centre, recognised by Ministry of Science and Technology, the Government of India and accredited by National Accreditation Body for Testing Labs

Certifications

CMMI level 3 Company Accredited with - ISI, KEMA, SGS, STS, ZIGBEE, UL, DLMS etc., which is amongst the highest in Indian Metering Solutions Industry

Workforce

Armed with long-term, highly-experienced and best-in-class technologist, engineers and executives

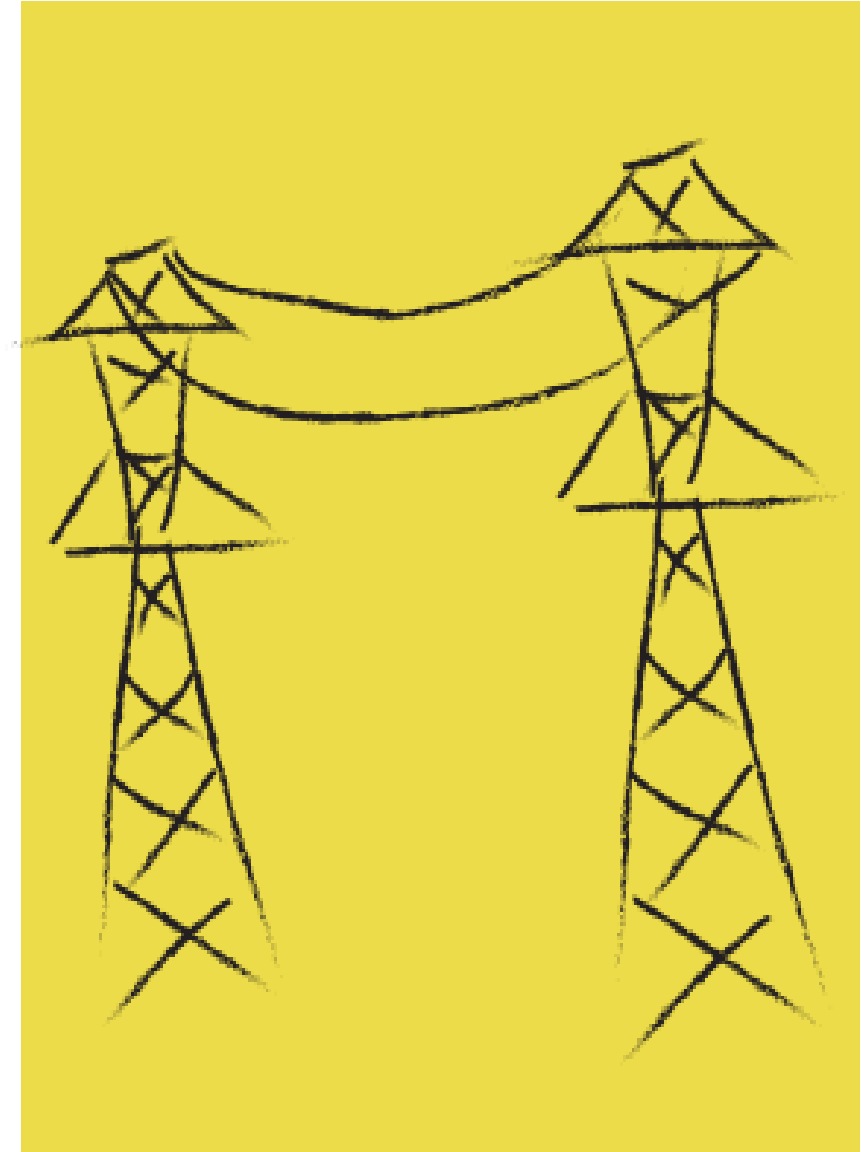


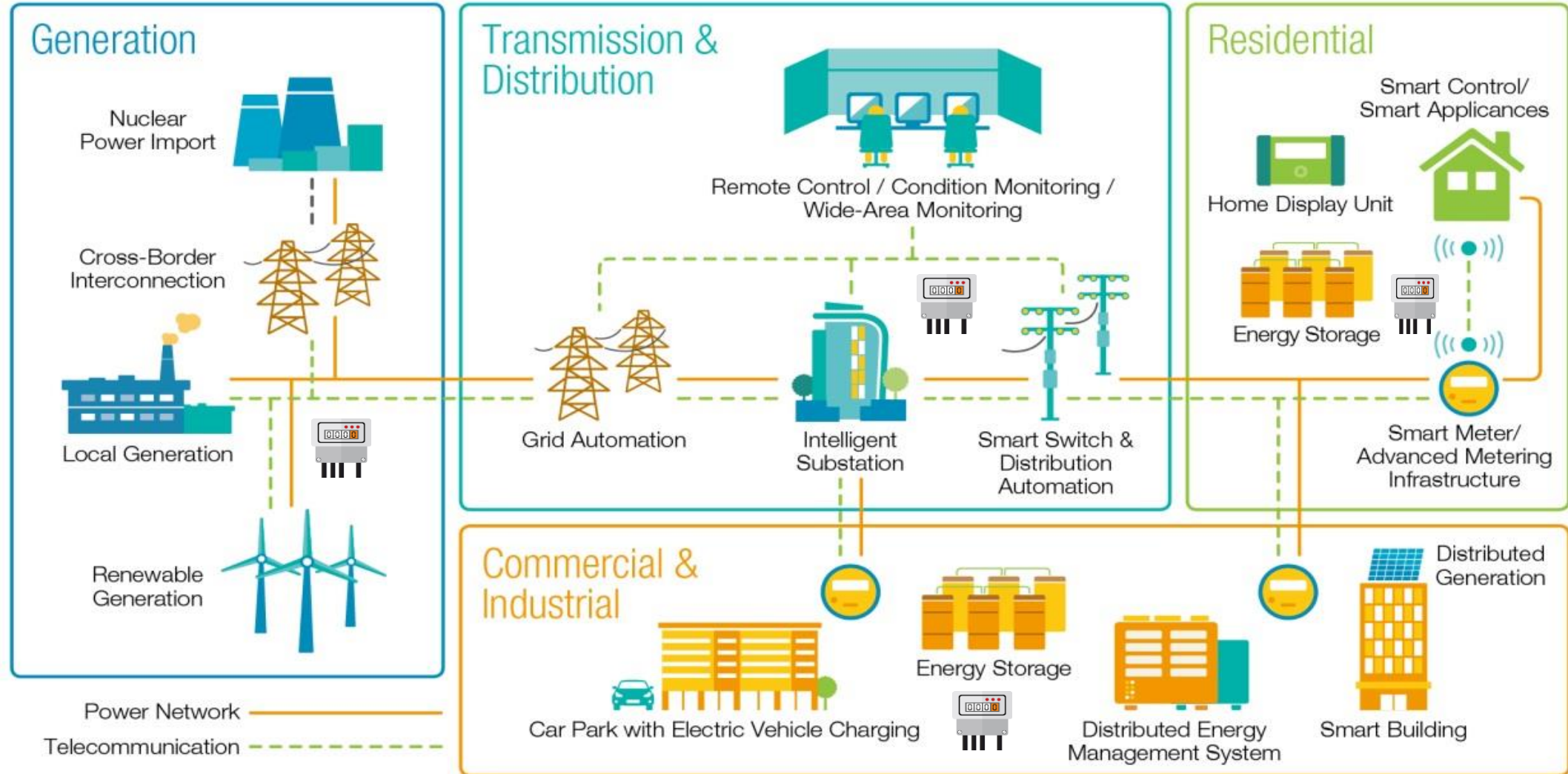
SMART METERING SOLUTIONS

- ☀ Offers a wide spectrum of Smart Metering Solutions, that includes High End Multifunction Single Phase and Three Phase Meters, CT Operated Meters, ABT & Grid Meters, Distribution Transformer (DT Meters), Pre-payment Meters, Gas Meter, Smart Street Light Management Solution, Net- Metering Solution for rooftop Solar, Data Concentrator, Energy Management solution for Building Management and DC Metering Solution, etc
- ☀ Genus specializes in providing end-to-end metering solutions (AMI) with communication modules and software under its Smart Energy Management Solution

ENGINEERING, CONSTRUCTIONS AND CONTRACTS (ECC)

- ☀ Customized and turnkey (ECC) solutions to the Power Transmission and Distribution (T&D) sector
- ☀ Under the turnkey ECC solutions, Genus offers One Stop Total Solution of Metering, Engineering & Construction from 'Concept to Commissioning' with distinctive specialization in Smart Metering Solution & Advance Metering Infrastructure







RESIDENTIAL & COMMERCIAL

- ☀ Meters with communication capability
- ☀ Single / Three Phase Smart Meters
- ☀ Net Meters
- ☀ Smart Street Light Management System
- ☀ Group Metering



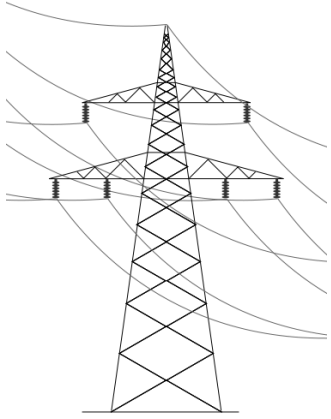
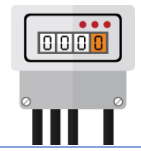
INDUSTRIAL

- ☀ LT / HT CT Meter with Integrated Communication
- ☀ Meters with Automatic Power Factor Controller
- ☀ ABT Meter
- ☀ Smart High end Meters



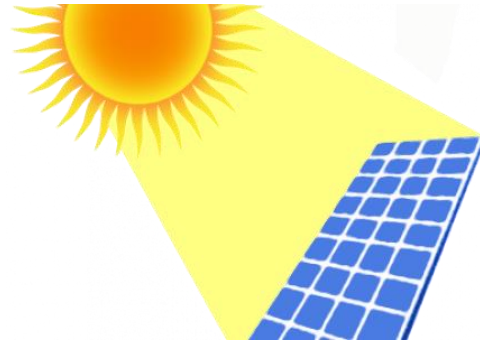
PREPAYMENT SOLUTION

- ☀ Single Phase Prepayment Meter
- ☀ Three Phase Prepayment Meter
- ☀ Dual prepayment Solution
- ☀ Prepaid Vending Software
- ☀ DIN Rail Prepayment Meter
- ☀ On-Line “Pre-paid” Metering Solution



DISTRIBUTION TRANSFORMER

- ☀ Thread Through Metering Solution for Distribution Transformer
- ☀ Smart DT Meter with Integrated Communication



OPEN ACCESS / GRID

- ☀ Grid & Sub-Station Meter (ABT Complaint)



CALIBRATION EQUIPMENT

- ☀ Single Phase Portable Reference Meter
- ☀ Three Phase Portable Reference Meter



ECC Division

- ☀ Provides total engineering and construction solution from “Concept to Commissioning”
- ☀ Offers turnkey solutions of MV, HV & EHV sub-stations & transmission lines and execute turnkey jobs up to 420 KV

Leveraging on Strength

- ☀ More than 20 years of experience in Indian Power distribution sector
- ☀ Engineered Energy meter solutions backed up with in-house R&D and technological prowess

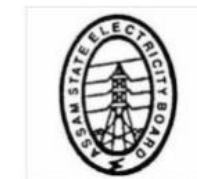
Complements the Metering Business

- ☀ Increased implementation of Smart metering solution
- ☀ Higher sales growth under metering division
- ☀ Margin expansion
- ☀ Gain Market share

Current Projects under implementation

- ☀ 220 KV transmission line and substation in Jharkhand
- ☀ 132 KV D/C transmission line and substation in Jharkhand
- ☀ 230/110 KV AIS substation in Tamil Nadu
- ☀ Rural electrification work in Uttarakhand under R-APDRP
- ☀ Rural electrification work (including feeder segregation) in Western UP under DDUGJY scheme

Genus would benefit from the GOI's plan to reduce T&D losses by 5% in next 5 years



SEB's registered under UDAY schemes are the major revenue contributors



R&D Centre and Corporate Office, Sitapura, Jaipur



Ramchandrapura, Jaipur



Haridwar, Uttaranchal



Haridwar, Uttaranchal



Guwahati, Assam

Total Installed capacity of over 10 million meters



ZigBee Certification



DLMS certification



Bureau Veritas



QSI Certification



National Accreditation Board for
Testing and Calibration Laboratories



KEMA Certification



R&D Lab recognized by MSD, GOI



Silver Certificate by Frost & Sullivan



IEC Certifications



C-Dot Certifications



STQC Certifications



DLMS Certification for Meters



EMC Certifications



IECQ for quality of components



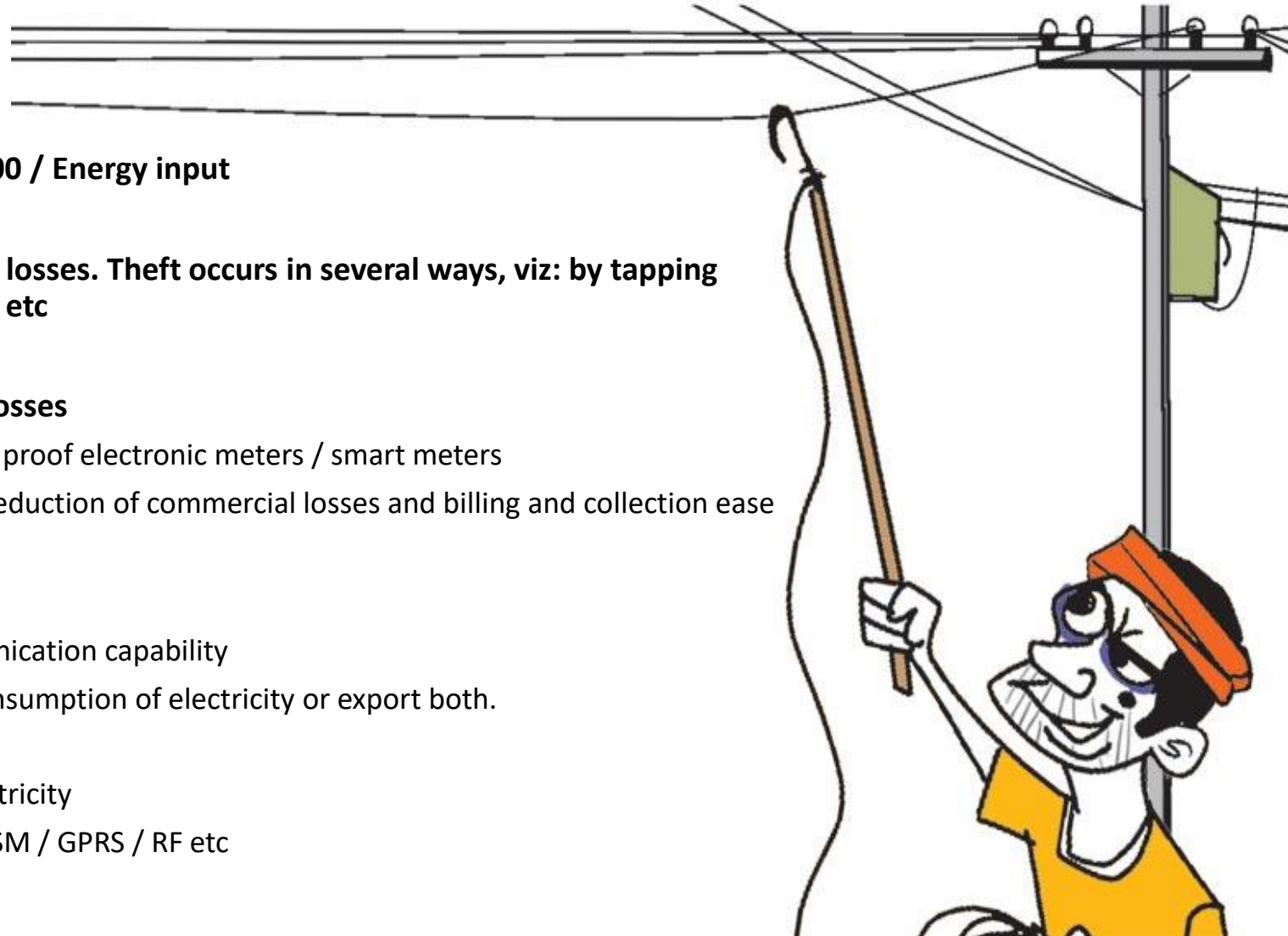
CMMI Level 3 Company

Business Outlook



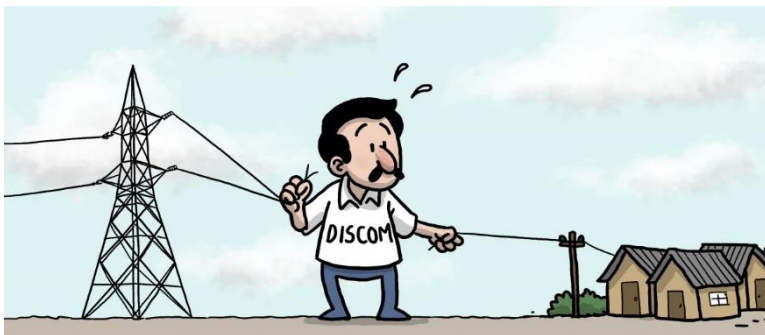


- **AT&C Loss = (Energy input – Energy billed) * 100 / Energy input**
- **Theft is the one of the main causes of the high losses. Theft occurs in several ways, viz: by tapping power lines and tempering / by-passing meter etc**
- **Meters play a vital role in reduction of AT&C Losses**
 - Replacement of defective meters by tamper proof electronic meters / smart meters
 - AMI / Smart metering to the consumer for reduction of commercial losses and billing and collection ease
- **Smart meter has the following capabilities:**
 - Smart Meters and AMI Meters have communication capability
 - It can register real time or near real time consumption of electricity or export both.
 - Read the meter both locally or remotely
 - Remote connection or disconnection of electricity
 - Remote communication facilities through GSM / GPRS / RF etc





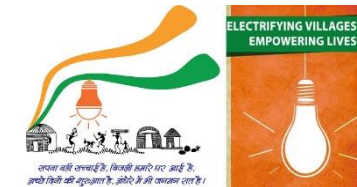
- ☀ DISCOMS had accumulated losses of Rs. 3.8 Trillion and Debt of Rs. 4.3 Trillion
- ☀ To improve the operational efficiency and reduce AT&C losses
- ☀ **Smart Metering solutions, upgradation of transformers and meters**
- ☀ Improved financial health of DISCOM's would help in lower operating cost and reduce working capital cycle of equipment suppliers
- ☀ Till date – 27 states and 1 UT has participated in the scheme



Integrated Power Development Scheme

A Priority Programme of Govt. of India

- ☀ Planned outlay of Rs. 326 Billion
- ☀ Strengthening of sub-transmission network to reduce AT&C losses
- ☀ **Metering & implementation of IT application to reduce commercial losses**
- ☀ **Smart Meters be installed for all consumers with consumption of above 200 units by 2019**



DEENDAYAL UPADHYAYA GRAM JYOTI YOJANA (Scheme of Govt. of India for Rural Areas)

- ☀ Planned outlay of Rs. 760 Billion
- ☀ Electrification to all villages
- ☀ Feeder separation (Rural households & agricultural)
- ☀ **Strengthening of sub-transmission & distribution infrastructure including metering at all levels (input points, feeders and distribution transformers)**
- ☀ **Metering to reduce the Losses**



GOVERNMENT OF INDIA
MINISTRY OF POWER

सत्यमेव जयते

As per the, notification by power ministry, dated 8th September 2016 :

- ☀️ Mandatory rollout of Smart Meters, for consumers with monthly consumption of 500 units and more at the earliest by 31st Dec 2017
- ☀️ Mandatory rollout of Smart Meters, for consumers with monthly consumption of 200 units and more at the earliest by 31st Dec 2019

METERING OPPORTUNITY

- ☀️ India has 200 million legacy meters
- ☀️ There are plans to install up to 130 million smart meters by 2021

GOVERNMENT INVESTMENT

- ☀️ The government is planning to invest up to \$21 billion till 2025 in smart grid technologies
- ☀️ The smart cities initiative is targeting 100+ cities in India, out of which 20 have been declared and work for them will start in the next month or two
- ☀️ More than 14 smart grid pilots have been launched in cities across India, to push smart solutions in Power Generation & Distribution Industry



Latching Switch

Smart meters will have a kill switch which will close off the utility supply. The kill switch will be operated via Internet. This will give power to utility providers to start and stop the supply at the click of a button

Increased customer involvement

As all the data collected will be uploaded on the Internet the customers will be able to access it using their smart phones application. This will give them a clear idea about daily, hourly and even per-minute consumption, and how it is billed

Prepaid Schemes

Customers will be able to recharge their meters to the amount of energy usage and consume only that much. As the meters are smart, they will remind the consumer when the balance is running low, or when a larger than normal chunk is being used. This will help consumers save money, and take the load of billing off the local body

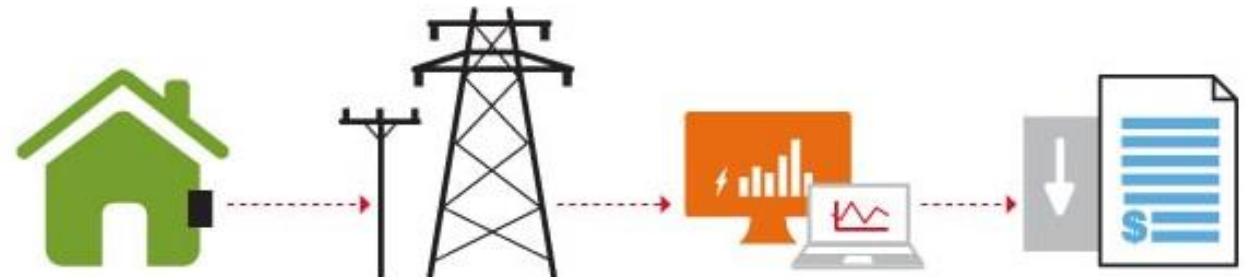
Consumption Patterns

As consumers will be able to access the data on their mobile phones / tablets / PCs, they will be able to cut their expenses using simple strategies. For example not using water heaters or electric irons during peak hour

What are Smart Meters ?

Smart meters are remarkably different from electronic meters. While electronic meters only measure the amount of utility used, a smart meter is used to measure the utility and then transmit the reading without any human intervention

- ✓ Allowing utilities to introduce different prices for different consumption during different season
- ✓ Control devices with two-way communication between the meter and the central system





Four ways to recharge Uttar Pradesh's power sector

8th May 2017

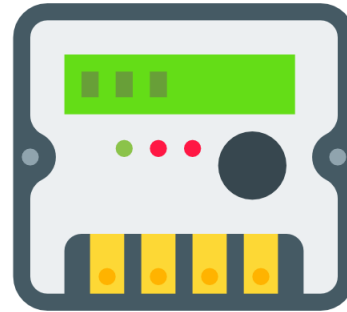
The magnitude of the task at hand can be gauged from the fact that by 2019, Uttar Pradesh has to (1) nearly double its electricity-sector asset base, (2) plug in 11.2 million households, (3) **formalize and meter around 8.4 million households with access to electricity**, (4) **meter another 6.8 million registered rural consumers**, (5) halve AT&C losses even as losses get re-estimated after metering goals are achieved, (6) ensure round-the-clock supply to all consumers, and (7) achieve a financial turnaround

100% metering of all existing and upcoming consumers should be done on a war footing. This will help plug theft, revenue leakage and ensure that discoms get more money from the same set of consumers.

Goyal links '24x7 Power' with consumer honesty

11th June 2017

"He also added that the Centre and the state are committed to **resolving Uttar Pradesh's power sector distress through smart metering and crackdown on power theft.**"



Excerpts from News Articles on **SMART METER** as **GAME CHANGER**

Lower tax on coal under GST will bring down power tariffs: Piyush Goyal

11th June 2017

"He also said that the central government could offer any amount of long-term, lowcost funding to states to implement smart metering of households."

Power minister Piyush Goyal said : **"Smart meters, which are crucial for a roof-top solar power plant which is connected to the grid to sell surplus power, can be a game changer . He pitched for wider use of smart electricity meters** and urged the electrical equipment industry to come up with innovations that suit the domestic consumer as the country strives to use energy efficiently"

Tata Power Delhi Distribution Ltd. is now installing 200,000 smart meters and is planning to scale it up to 1.5 million in five to six years, while Reliance Power Ltd-owned BSES Yamuna Power Ltd and BSES Rajdhani Power Ltd, which supply electricity in Delhi, are also installing smart meters for customers in phases

Piyush Goyal pitches for wider use of smart electricity meters

23rd Jan 2017

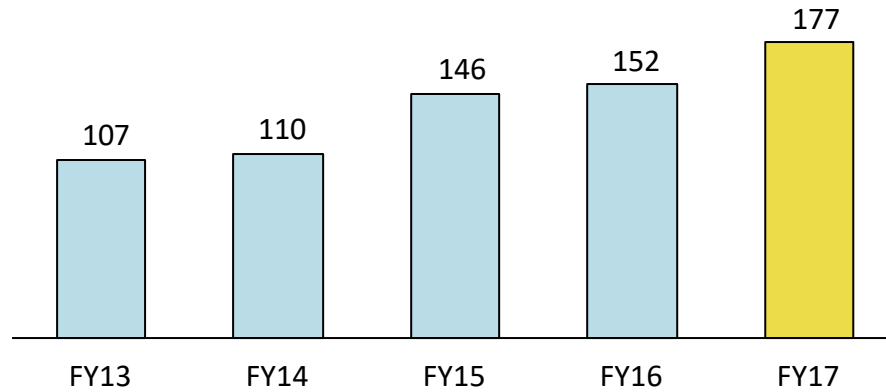


Financial Performance

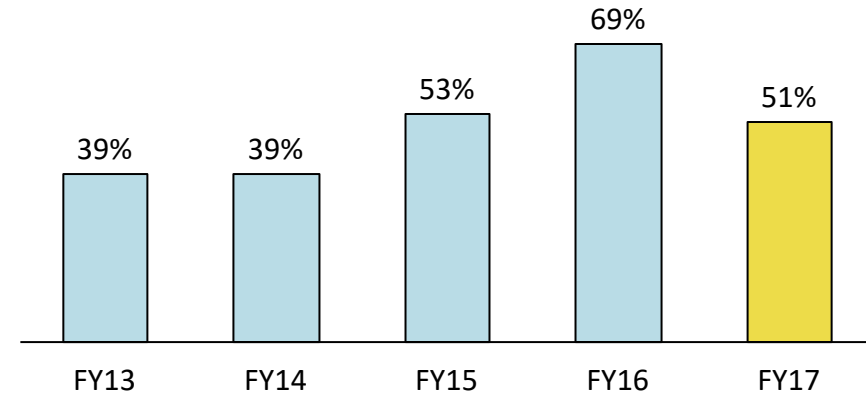




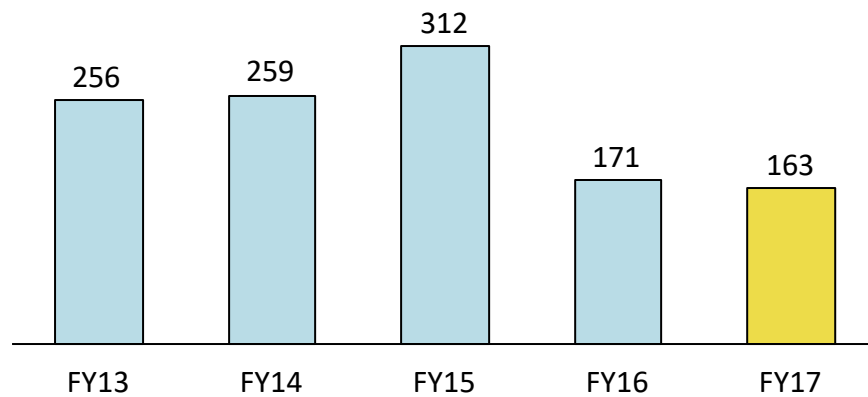
Gross Block (Rs. Crores)



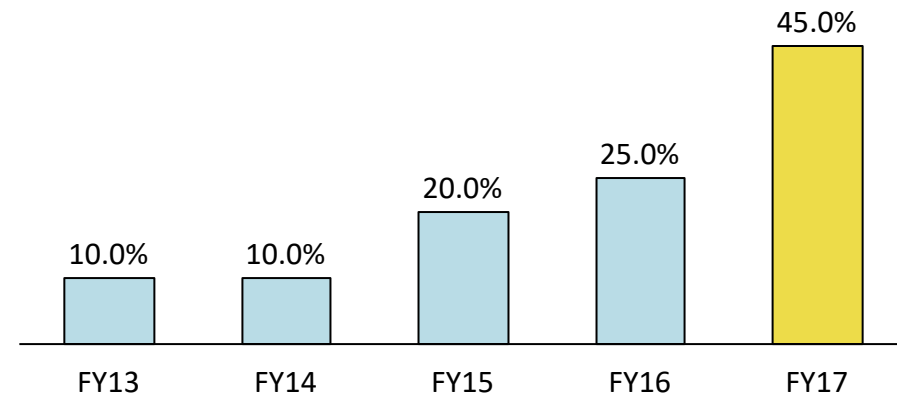
Capacity Utilisation (%)



Net Debt (Rs. Crores)

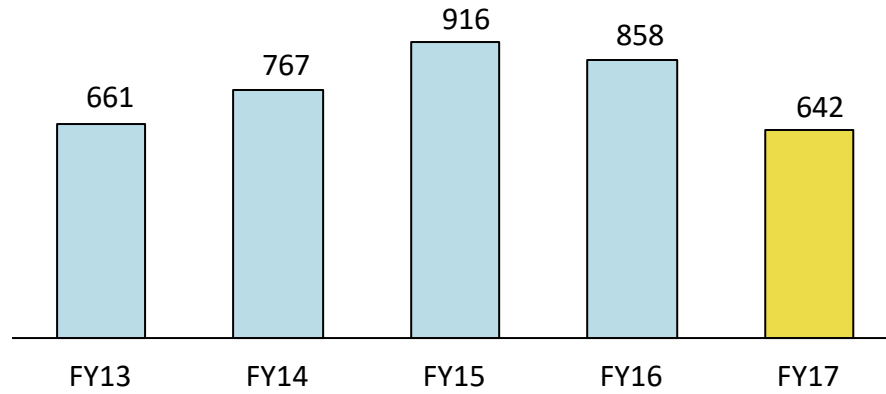


Dividend (% of Face Value)

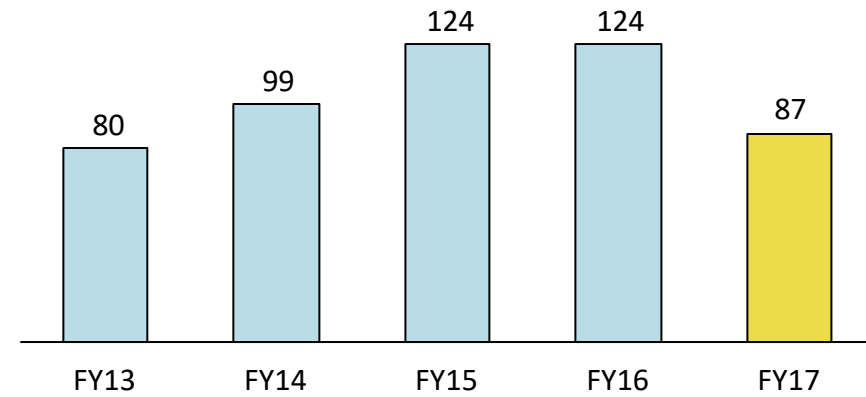




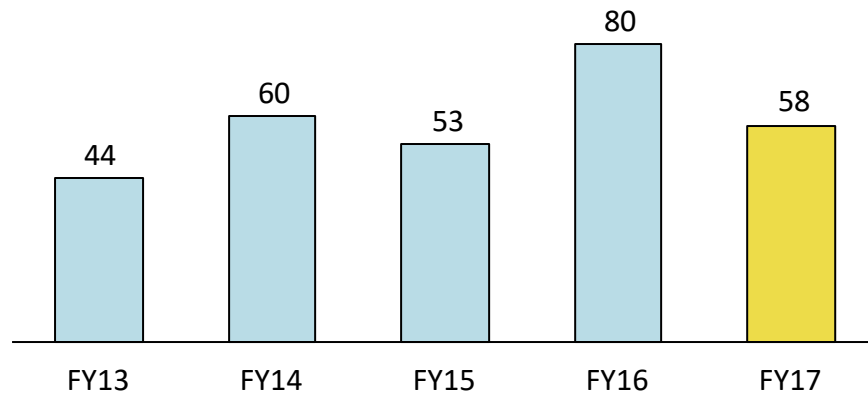
Revenue (Rs. Crores)



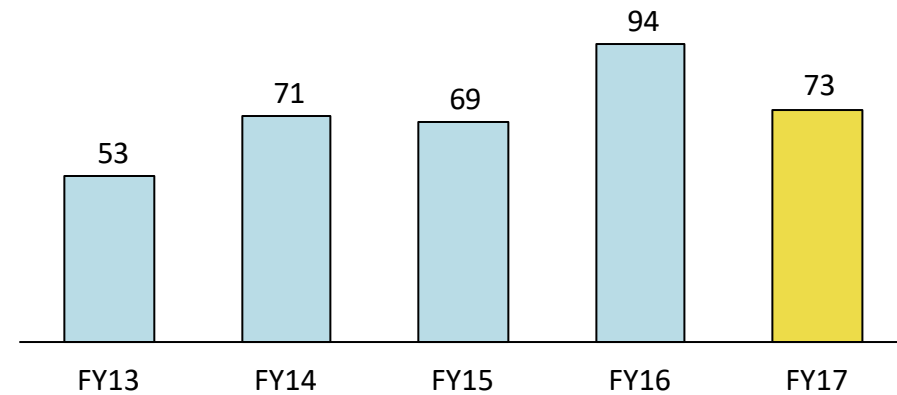
EBITDA (Rs. Crores)



PAT (Rs. Crores)

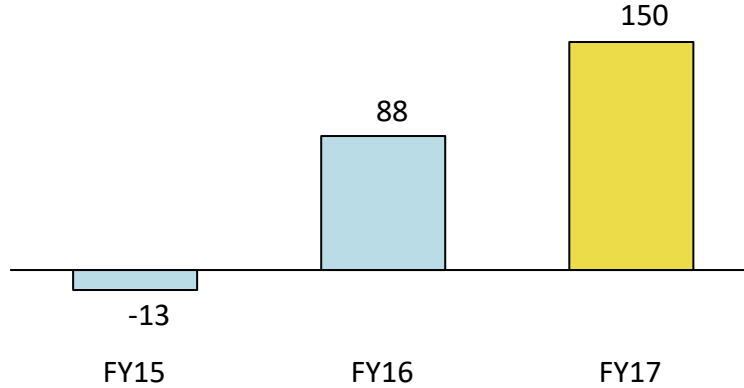


Cash PAT (Rs. Crores)

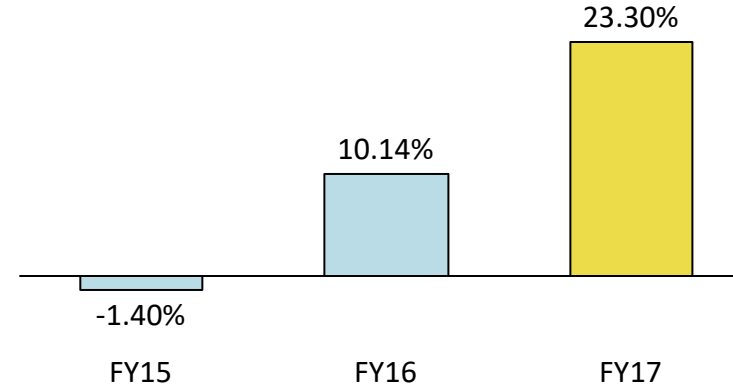




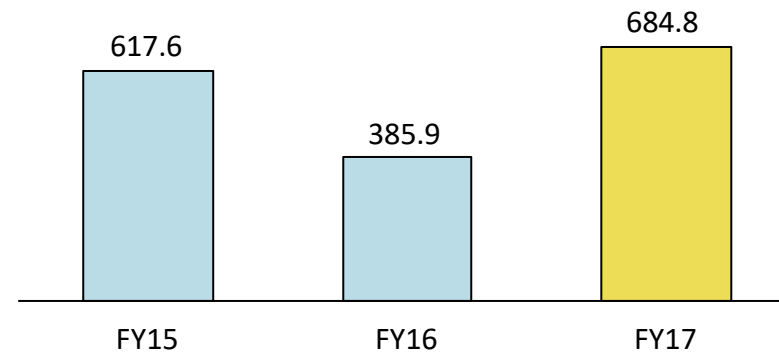
Cash flow from Operation (Rs. Crores)



Operating Cash flow to Sales ratio (%)



Total Order Book (Rs. Crores)



Standalone Profit & Loss Statement



Particulars (Rs. Crores.)	Q4FY17	Q4FY16	FY17	FY16
Net Revenue	144.59	208.49	642.37	857.65
Raw Material	96.86	133.69	408.82	564.03
Employee Expenses	17.56	17.00	65.70	65.96
Other Expenses	18.28	34.45	81.26	104.11
EBITDA (Inc Other income)	11.89	23.35	86.59	123.56
EBITDA Margin (%)	8.2%	11.2%	13.5%	14.4%
Depreciation	3.78	3.80	15.35	13.99
Other Income	11.54	7.37	24.00	17.49
EBIT	19.65	26.92	95.25	127.06
EBIT Margin (%)	13.6%	12.9%	14.8%	14.8%
Finance Cost	5.81	6.05	24.87	28.88
Profit Before Taxation & Exceptional Items	13.85	20.88	70.37	98.19
Exceptional Income / Expenses	-	-	-	2.36
PBT	13.85	20.88	70.37	100.55
Tax	-0.63	4.80	12.46	20.46
PAT	14.48	16.08	57.91	80.09
PAT Margin (%)	10.0%	7.7%	9.0%	9.3%
EPS	0.56	0.63	2.25	3.12



Particulars (Rs. Crores.)	Mar-17	Mar-16
Shareholder's Fund	704.49	655.46
Share Capital	25.72	25.68
Reserves & Surplus	678.77	629.77
Non-current Liabilities	20.38	19.76
Long-term Borrowings	1.05	1.26
Other Long Term Liabilities	6.83	3.70
Long Term Provisions	12.50	14.79
Current Liabilities	356.67	383.85
Short-term Borrowings	218.86	214.97
Trade Payables	94.21	110.46
Other Current Liabilities	40.48	54.72
Short Term Provisions	3.12	3.70
Total Liabilities	1,081.54	1,059.06

Particulars (Rs. Crores.)	Mar-17	Mar-16
Non-current Assets	347.86	338.35
Fixed Assets	163.53	140.42
Long-term Loans and Advances	53.42	53.61
Deferred Tax assets	45.93	48.42
Other Non-current Assets	14.40	18.12
Non-current Investments	70.58	77.78
Current Assets	733.68	720.70
Current Investments	194.50	101.71
Inventories	116.04	117.57
Trade Receivables	330.46	414.63
Cash and Bank Balances	56.79	61.92
Short-term Loans and Advances	5.70	5.96
Other Current Assets	30.20	18.91
Total Assets	1,081.54	1,059.06

Consolidated Profit & Loss Statement

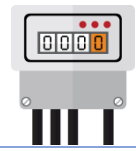


Particulars (Rs. Crores.)	FY17	FY16
Net Revenue	642.37	857.65
Raw Material	408.82	564.03
Employee Expenses	65.70	65.96
Other Expenses	81.26	104.11
EBITDA (Inc Other income)	86.59	123.56
EBITDA Margin (%)	13.48%	14.41%
Depreciation	15.35	13.99
Other Income	30.33	26.43
EBIT	101.57	136.00
EBIT Margin (%)	15.81%	15.86%
Finance Cost	24.87	28.88
Profit Before Taxation & Exceptional Items	76.70	107.13
Exceptional Income / Expenses	-	2.36
PBT	76.70	109.48
Tax	12.46	20.46
PAT	64.23	89.02
Share of profit from Associate	0.28	0.05
Net Profit	64.51	89.08
Net Profit Margin(%)	10.0%	10.4%
EPS	2.81	4.19



Particulars (Rs. Crores.)	Mar-17	Mar-16
Shareholder's Fund	669.54	614.15
Share Capital	22.96	22.93
Reserves & Surplus	646.57	591.22
Non-current Liabilities	20.38	19.76
Long-term Borrowings	1.05	1.26
Other Long Term Liabilities	6.83	3.70
Long Term Provisions	12.50	14.79
Current Liabilities	356.67	383.85
Short-term Borrowings	218.86	214.97
Trade Payables	94.21	110.46
Other Current Liabilities	40.48	54.72
Short Term Provisions	3.12	3.70
Total Liabilities	1,046.58	1,017.75

Particulars (Rs. Crores.)	Mar-17	Mar-16
Non-current Assets	348.13	338.36
Fixed Assets	163.53	140.42
Long-term Loans and Advances	53.42	53.61
Deferred Tax Asset	45.93	48.42
Other Non-current Assets	14.40	18.12
Non-current Investments	70.85	77.79
Current Assets	698.45	679.39
Current Investments	159.27	60.16
Inventories	116.04	117.57
Trade Receivables	330.46	414.63
Cash and Bank Balances	56.79	62.15
Short-term Loans and Advances	5.70	5.96
Other Current Assets	30.20	18.91
Total Assets	1,046.58	1,017.75



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