



The Tata Power Company Ltd.

May 2014





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## Tata Group



- Tata Group is one of the well recognized and powerful brands in India
- Highly diversified group categorized under seven business sectors:

Engineering, Materials, Energy, Chemicals, Consumer Products, Services and Communications, Information systems

- Approx. 4,00,000 employees
- Engineering and materials contribute a majority of the revenues of Tata Group
- Tata Sons is the principal shareholder of the Tata Group together with other Tata Group companies and related trusts

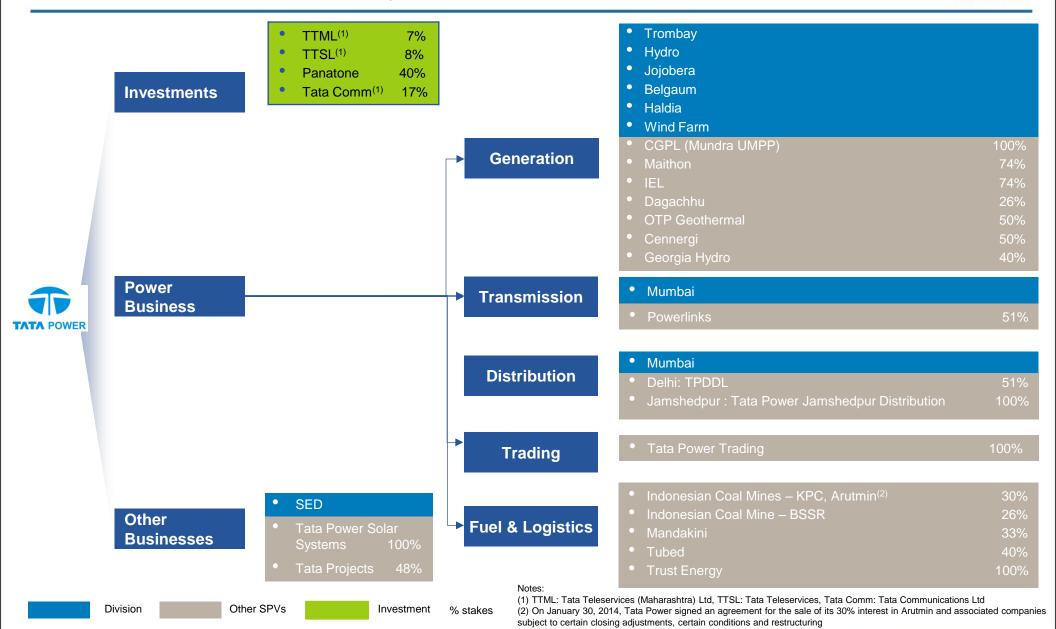
Listed Companies	Mkt Cap (\$ bn)²	Promoter Shareholding (%
Tata Consultancy Servi	ices 71.06	73.9
Tata Motors	22.63	34.3
Tata Steel	7.81	31.3
Titan	4.67	53.1
Tata Power	4.17	<b>33.0</b> <sup>3</sup>
<b>Tata Communications</b>	1.68	74.9
Tata Global Beverages	1.56	35.1
Tata Chemicals	1.31	31.1
Indian Hotels	1.22	37.5
Voltas	1.05	30.3
Rallis	0.61	50.1
Trent	0.59	32.6

#### Notes:

- 1 As of Mar 31, 2014; Source: BSE website
- 2 As of May 30, 2014; Conversion rate of 1US\$ = INR 59.10
- 3 As of April 26, 2014; Source: BSE website

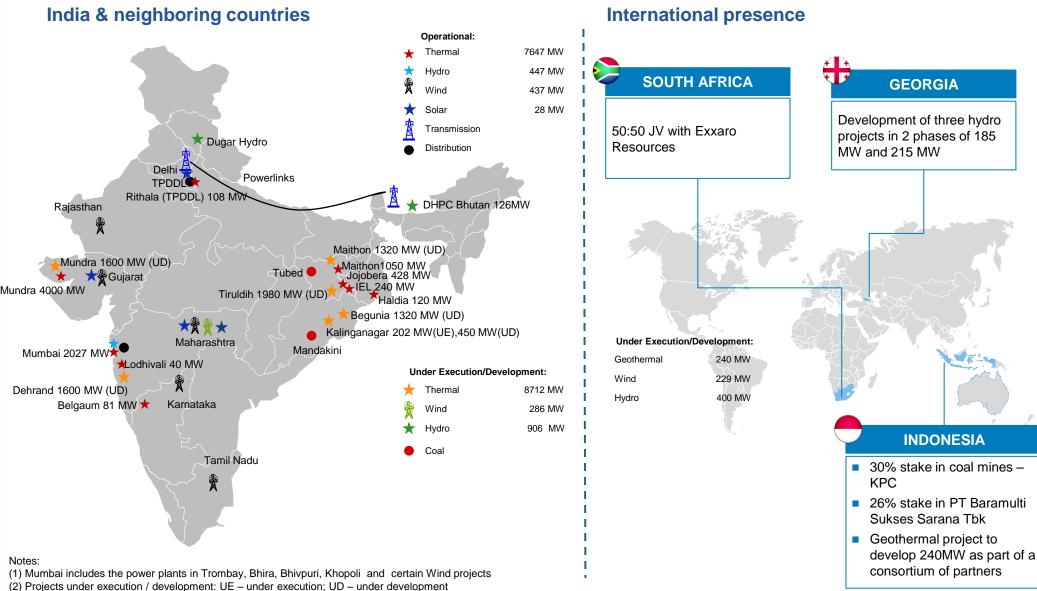
## Tata Power Company – Business Overview

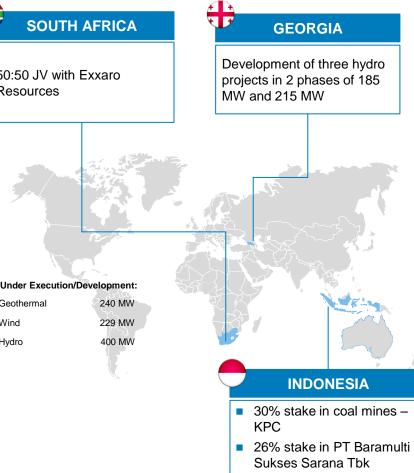




## Global portfolio of assets across value chain











- Mong the leading private power generating companies in India with gross power generation capacity of 8,608 MW
- Balanced mix of operating, under construction and development projects with new capacity ~10,000 MW under execution or under development
- Sroad mix across tariff models including regulated returns, captive, IPP, UMPP and merchant sales
- One of the first companies to participate in public-private partnership projects such as TPDDL, Powerlinks etc.
- First company to successfully develop and commission an ultra-mega power project in India
- Diversifying into renewable energy including hydro, wind and solar reducing reliance on conventional energy sources
- 961 MW existing capacity and 597 MW in new capacity under construction in green energy establishing presence as one of the largest non-conventional energy players in the country

## ... with presence across the Value Chain



#### **Transmission - Mumbai**

- Tata Power is amongst the 3 transmission licensees that bring power into Mumbai
- 1,100 CKm of 220KV / 110KV lines and 20 receiving stations
- Network upgrade and capacity expansion projects are being carried out to meet the load growth in Mumbai

#### **Powerlinks Transmissions Limited**

- JV between Tata Power (51%) and Power Grid Corporation of India Ltd. (49%)
- India's first private sector inter-state transmission project, on a Build Operate Own and Transfer (BOOT) basis
- Formed to distribute power from the Tala Hydro project in Bhutan and north eastern and eastern states to New Delhi and adjoining areas
- Consists of 1,166 Kms of 400 KV double circuit EMV transmission line

#### **Distribution - Mumbai**

Customer base of over 5 lakh retail customers

### **Tata Power Jamshedpur Distribution Limited**

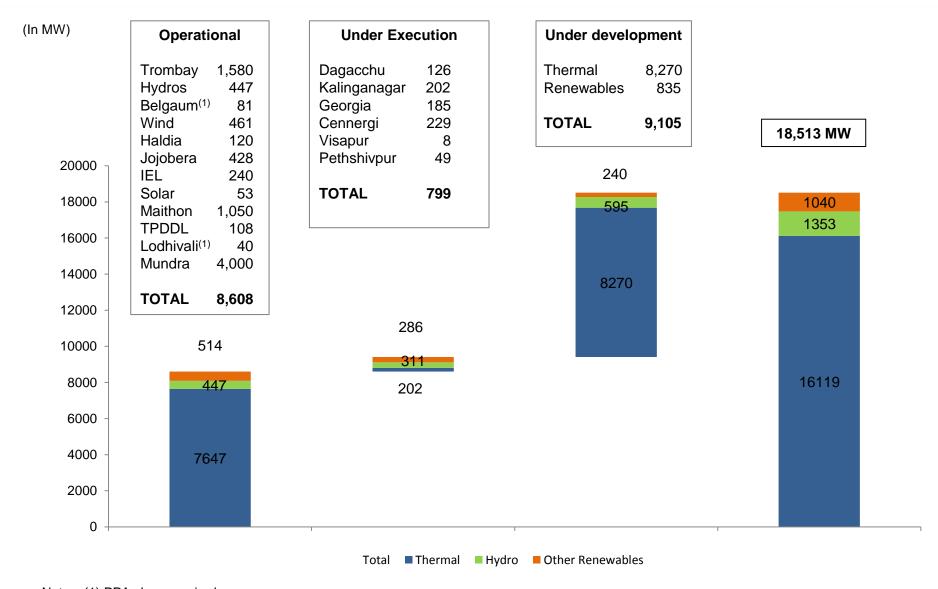
Distribution franchisee of JSEB in Jamshedpur

#### **Tata Power Delhi Distribution Limited**

- Subsidiary of Tata Power (51%) with the remaining 49% held by Government of Delhi
- License to distribute power to north and north-west Delhi
- Amongst the 3 private licensees in Delhi
- Over 13 lakh customers

# Existing Generation Assets and growth plans





Notes: (1) PPAs have expired Figures have been rounded off





Project	Fuel	Capacity (MW)	Status of Completion	Power off-take	Expected COD
Visapur, Maharashtra	Wind	8	Under execution	PPA with Tata Power Renewable Energy	FY15
Dagacchu, Bhutan	Hydro	126	Land acquired or leased; under construction	PPA with Tata Power Trading	FY15
Kalinganagar, Orissa	Flue gas	202	Civil work in progress	PPA with Tata Steel to be executed	FY15
Pethshivpur, Maharashtra	Wind	49	Under execution	PPA with Tata Power Company Ltd – distribution division	FY15
Georgia – 40% stake	Hydro	185	Land acquired; civil work in progress	PPA to be executed closer to COD	FY17
South Africa	Wind	229	Financial closure completed	PPA with Eskom for 20 years	FY17
Total		799			

Notes: Figures have been rounded off





Project	Fuel	Capacity (MW)	Current Status
Domestic			
Kalinganagar, Orissa	Coal	450	In planning stage
Dugar, Himachal Pradesh	Hydro	380	Approval of the detailed project report is pending
Begunia, Orissa	Coal	1,320	Land acquisition in progress
Tiruldih, Jharkhand	Coal	1,980	Land acquisition in progress
Maithon Phase II, Jharkhand	Coal	1,320	Land has been obtained and environmental impact assessment is in progress
Mundra Phase II, Gujarat	Coal	1,600	Land has been obtained
Dehrand, Maharashtra	Coal	1,600	Land acquisition in progress
International			
Georgia Phase-II, III	Hydro	215	In planning stage
Sorik Marapi, Indonesia	Geothermal	240	Project in exploration phase; PPA negotiation in progress with Indonesia's state power off-taker
Total Development capacity		9,105	





Model	Capacity (MW)	% of overall capacity	Returns	Upside	Tata Power Projects	Off-take counterparty
Regulated returns	3,425	40%	Fixed return on equity	Savings on Norms + PLF incentive	Mumbai Operations (Thermal & Hydro), Maithon, Jojobera (Unit 2 and 3), TPDDL	BEST, TPTCL, TPDDL, DVC, TPDDL, WBSEBL, KSEB
Regulated tariff mechanism (renewables)	514	6%	Fixed tariff + PLF driven	Savings on capex + CDM certificates / RECs as applicable	Wind, Solar	BESCOM, GUVNL, TPC-D, Tata Motors, TANGEDCO
Captive power plant	428	5%	PPA driven (14-19%)	Merchant sales + saving on PPA terms + PLF incentive	Jojobera (Unit 1 and 4 ) and IEL	Tata Steel
Merchant and Bilateral Offtake	120	~1%	Merchant: Market Bilateral: PPA driven	Merchant: No cap on returns Bilateral: Per PPA	n Haldia (120MW)	Bilateral: PPA with WBSEDCL
Case II (bidding)	4,000	46%	Bid driven	PLF incentives	CGPL	Gujarat, Maharashtra, Punjab, Rajasthan, Haryana
Others	121	~1%	Bid driven	PLF incentives	Belgaum (81MW), Lodhivali (40MW)	PPAs have expired



## Secured fuel supply through long-term contracts

Project	Fuel requirement	Source of fuel	Contract details	Term
			FSAs for 1.00 MTPA (+/- 0.25MTPA)	Till 2018
	c.3 MTPA of coal	Purchase agreements	FSA for 1.00 MTPA (+/- 0.2MTPA)	Till 2018
Trombay			FSA for 0.65 MTPA (+/- 10%)	Under Renewal
Trombay	Oil	From nearby refineries, delivered by pipeline		
	1MMSCMD of Gas	GAIL		
Jojobera	Coal	West Bokaro coal fields (Tata Steel) and Mahanadi Coalfields Limited (MCL)		Tata Steel - Till 2014 MCL – Till 2018
IEL	Furnace and coke oven gases	Tata Steel		
IEL	Coal	West Bokaro coal fields (Tata Steel)	MoU for 0.5 MTPA	
Mundra	c.12 MTPA of coal	Purchase agreement	FSA for 10.11 MTPA (+/- 20%)	Till 2021 (extendable)
			FSA for 1.66 MTPA	Till 2015
Maithon	c.4.5 MTPA of coal	Coal linkage	FSA for 1.98 MTPA	Till 2032
			FSA for 0.05 – 1.00 MTPA	Till 2015
Haldia	Hot flue gases	Tata Steel		

## Other Key Businesses



### **Tata Power Trading**

- 100% subsidiary, holds a trading license for a period of 25 years starting from 2004
- Holds a Category I trading license, which permits it to trade any amount of power

# Shipping Subsidiaries

- Trust Energy Resources Pte Ltd incorporated in Singapore for owning bulk carriers to meet shipping requirements and trading in fuel, Energy Eastern Pte Ltd incorporated for chartering of ships
- To be met through a combination of long term charters and out right purchases of cape size vessels –
   3 long term charters signed and 2 cape size ships purchased

# Tata Power Solar Systems Ltd.

- Solar Cell Manufacturing Facility at Bengaluru, Karnataka
- Has four main business lines:
  - manufacturing and sale of solar photovoltaic cells and modules
  - providing engineering, procurement and construction/commissioning
  - services as well as operations and management services to solar project developers, developing and selling solar photovoltaic products in rural markets
  - developing and selling solar thermal (water heating) products in urban markets

### Strategic Engineering Division (SED)

- Originated as an internal R&D unit for power electronics; designs and develops electronic devices
- SED was awarded the order to modernize airfield infrastructure for the Indian Air Force
- Does not manufacture ammunition or explosives of any kind, including cluster bombs and anti personnel mines



Agility Integrity

Excellence Collaboration Respect

Trust Appendix:
Financial Statements



## Snapshot Standalone Financials – FY2014



Figures in `Crores	FY14	FY13	Q4 FY14	Q4 FY13
Revenue from Operations (Net)	8,627	9,567	1,812	2,008
Operating Expenditure	6,073	7,509	1,315	1,296
Operating Profit	2,554	2,058	497	712
Add: Other Income	392	694	175	(9)
EBIDTA	2946	2,752	672	703
Less: Depreciation/Amortization/Impairment	587	364	163	148
EBIT	2,359	2,388	509	555
Less: Finance Costs	868	684	255	214
Profit Before Tax	1,491	1,704	255	340
Less: Tax Expenses	537	679	171	89
Net Profit/(Loss) After Tax	954	1,025	84	252

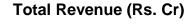
### Standalone Results – FY2014



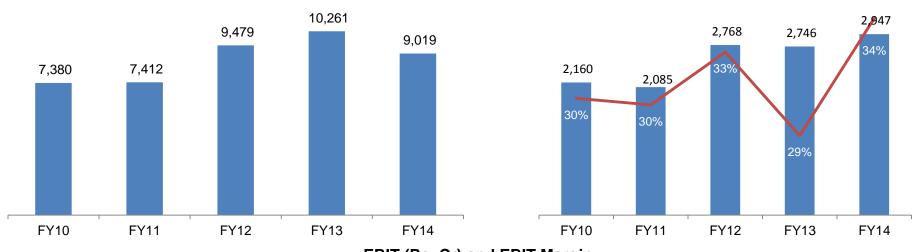
PART	'1					
AIL	STANDALONE FINANCIAL RESULTS FOR THE QUAR	TER AND YEAR END	DED 31ST MARCH, 2	014		
		Quarter ended Year en			nded	
	Particulars	31-Mar-14	31-Dec-13	31-Mar-13	31-Mar-14	31-Mar-13
		MUs	MUs	MUs	MUs	MUs
(A)						
1.	Generation	2,670	3,212	3,366	13,183	15,770
2.	Sales	3,071	3,547	3,542	14,516	16,002
				(`in crore)		
	(Refer Notes Below)	(Audited)	(Audited)	(Audited)	(Audited)	(Audited)
(B)						
1.	Income from operations					
	a) Revenue from power supply and transmission charges	1,477.73	1,749.92	1,741.91	7,241.41	7,947.89
	Add: Income to be recovered in future tariff determination (net)	124.50	(42.00)	165.47	513.50	1,028.72
	Add/(Less): Income to be recovered in future tariff determination					
	(net) in respect of earlier years	-	185.00	127.00	300.00	104.72
	Net Revenue	1,602.23	1,892.92	2,034.38	8,054.91	9,081.33
	b) Other operating income (net of excise duty)	209.86	115.00	179.89	572.13	485.95
	Total income from operations (net)	1,812.09	2,007.92	2,214.27	8,627.04	9,567.28
2.	Expenses					
	a) Cost of power purchased	233.32	173.58	173.15	789.97	623.39
	b) Cost of fuel	510.09	648.46	968.65	3,350.91	5,244.40
	c) Transmission charges	116.98	116.99	65.17	467.96	233.43
	d) Cost of components, materials and services in respect of contracts	73.84	29.78	58.65	178.99	150.75
	e) Employee benefits expense	151.28	136.38	134.52	544.95	547.60
	f) Depreciation and amortisation expense	163.11	148.35	(74.42)	587.14	364.10
	g) Other expenses	229.31	190.97	232.83	739.97	709.87
	Total expenses	1,477.93	1,444.51	1,558.55	6,659.89	7,873.54
3.	Profit from operations before other income, finance costs and tax (1-2)	334.16	563.41	655.72	1,967.15	1,693.74
4.	Other Income					
	a) (Loss)/Gain on exchange (net)	(49.63)	(64.64)	(29.49)	(263.54)	(27.62)
	b) Others	224.99	55.31	149.87	655.76	721.67
5.	Profit before finance costs and tax (3+4)	509.52	554.08	776.10	2,359.37	2,387.79
6.	Finance costs	254.70	214.34	198.52	868.21	684.41
7.	Profit before tax (5-6)	254.82	339.74	577.58	1,491.16	1,703.38
8.	Tax expense	170.64	88.61	377.55	537.08	678.69
9.	Net profit after tax (7-8)	84.18	251.13	200.03	954.08	1,024.69



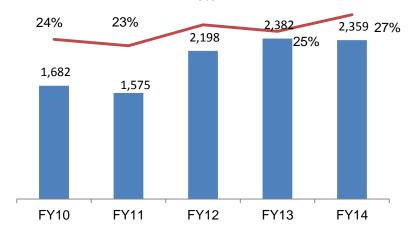




### EBITDA (Rs. Cr) AND EBITDA Margin



### EBIT (Rs. Cr) and EBIT Margin



Notes:

Total Revenue is defined as Total Income from Operations + Other Income

EBITDA is defined as, profit from operations before depreciation and amortization expense, finance costs, exceptional item & tax

EBIT is defined as profit from operations before finance costs, exceptional item & tax

## Snapshot Consolidated Financials – FY2014



Figures in `Crores	FY14	FY13	Q4 FY14	Q4 FY13
Revenue from Operations (Net)	35,649	33,025	8,844	9,032
Operating Expenditure	27,942	26,387	7,023	7,175
Operating Profit	7.707	6,638	1,821	1,857
Add: Other Income	(562)	182	53	40
EBIDTA	7,145	6,820	1,874	1,897
Less: Depreciation/Amortization/Impairment	2,730	2,902	724	416
EBIT	4,415	3,918	1,150	1,481
Less: Finance Costs	3,440	2,642	859	726
Profit Before Tax	975	1,277	292	754
Less: Tax Expenses	1,008	1,178	383	499
Net Profit/(Loss) after tax, minority interest and share of profit of associates	(260)	(85)	(145)	181



## Consolidated Results – FY2014

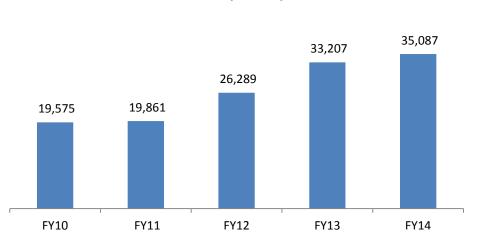
		Quarter ended		Year	ended
Particulars	31-Mar-14	31-Dec-13	31-Mar-13	31-Mar-14	31-Mar-13
(Refer Notes Below)	(Audited)	(Unaudited)	(Audited)	(Audited)	(Audited)
Income from operations					
a) Revenue	8,473.21	8,236.93	8,441.63	34,203.48	30,875.28
Add : Income to be recovered in future tariff determination (net)	331.98	234.18	428.68	966.70	1,856.05
Add/(Less): Income to be recovered in future tariff determination (net)					
in respect of earlier years	-	185.00	127.00	300.00	104.72
Net Revenue	8,805.19	8,656.11	8,997.31	35,470.18	32,836.05
b) Other operating income (net of excise duty)	39.31	43.91	35.15	178.52	189.38
Total Income from operations (net)	8,844.50	8,700.02	9,032.46	35,648.70	33,025.43
2. Expenses	4 705 00	4 005 00	0.405.70	7.000.40	7.040.00
a) Cost of power purchased	1,765.03	1,635.39	2,165.70	7,396.13	7,818.66
b) Cost of fuel	2,328.89	2,306.86	2,422.43	9,895.61	9,661.60
c) Raw materials consumed	308.51	174.26	154.48	721.88	386.74
d) Purchase of goods / spares / stock for resale	9.27	10.17	9.29	43.70	37.47
e) Transmission charges	129.59 73.84	126.97 29.78	84.07 58.65	508.83 178.99	286.50 150.75
f) Cost of components, materials and services in respect of contracts	73.64 68.62	136.87	93.14	176.99	
g) Decrease/(increase) in stock-in-trade and work-in-progress	317.83	348.63	93.14 290.75	1,249.37	(275.12)
h) Royalty towards coal mining     i) Coal processing charges	664.53	733.46	618.65	2,683.10	1,111.14 2,544.99
	388.76	323.03	334.18	1,349.35	1,322.95
		665.54	416.37	2,729.62	2.051.69
k) Depreciation and amortisation expense     Other expenses	724.23 968.10	1,088.11	943.76	3,784.52	3,341.25
Total expenses	7,747.20	7,579.07	7,591.47	30,671.87	28,438.62
Profit from operations before other income, finance costs,	1,141.20	1,515.01	1,551.41	30,071.07	20,430.02
exceptional item and tax (1-2)	1.097.30	1,120.95	1.440.99	4.976.83	4.586.81
4. Other income	1,097.30	1, 120.95	1,440.99	4,976.63	4,300.01
a) Gain / (Loss) on exchange (net)	17.85	(159.69)	(24.75)	(789.12)	(187.64)
b) Others	35.21	65.60	64.26	227.26	369.20
<ol> <li>Profit before finance costs, exceptional item and tax (3+4)</li> </ol>	1,150.36	1,026.86	1,480.50	4,414.97	4,768.37
6. Finance costs	858.61	875.03	726.22	3,439.90	2.641.69
<ol><li>Profit before exceptional item and tax (5-6)</li></ol>	291.75	151.83	754.28	975.07	2,126.68
8. Exceptional item -					
Provision for impairment	-	-	-	-	850.00
9. Profit before tax (7-8)	291.75	151.83	754.28	975.07	1,276.68
10. Tax expense	382.80	165.55	499.23	1,008.38	1,177.96
11. Net (Loss) / Profit after tax (9-10)	(91.05)	(13.72)	255.05	(33.31)	98.72
12. Share of profit of associates	19.61	9.43	5.13	45.37	23.92
13. Less: Minority interest	73.89	70.62	78.82	272.03	208.07
<ol> <li>Net (Loss) / Profit after tax, minority interest and share of profit of</li> </ol>					
associates (11+12-13)	(145.33)	(74.91)	181.36	(259.97)	(85.43)

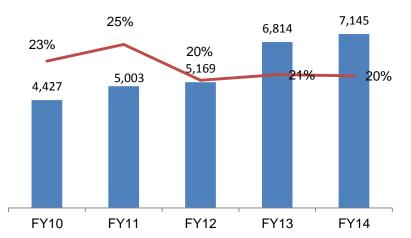
## Historical Financials (Consolidated)



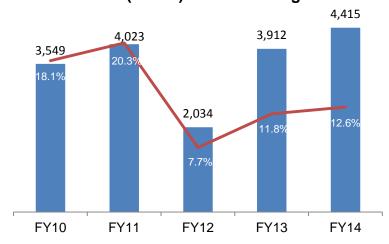








### EBIT (Rs. Cr) and EBIT Margin



Notes:

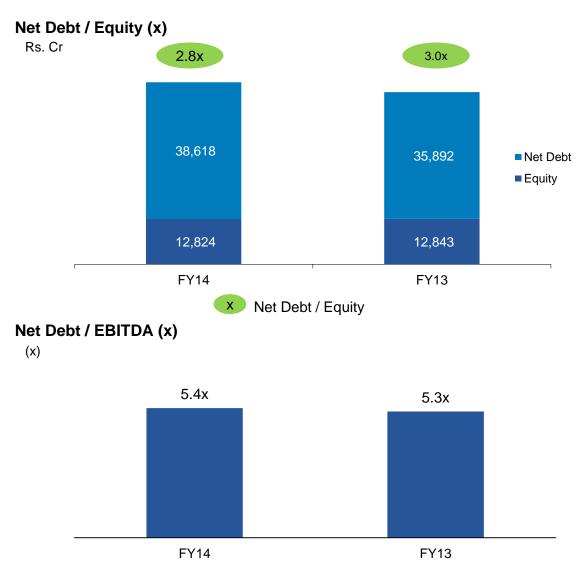
Total Revenue is defined as Total Income from Operations + Other Income

EBITDA is defined as, profit from operations before depreciation and amortization expense, finance costs, exceptional item & tax

EBIT is defined as profit from operations before finance costs, exceptional item & tax

## Leverage ratios (Consolidated)





Outstanding Gross Debt (Rs. Cr)	FY14	FY13
Tata Power Standalone	11,080	10,069
Tata Power Consolidated	40,173	37,882

Outstanding Net Debt (Rs. Cr)	FY14	FY13
Tata Power Standalone	11,012	9,656
Tata Power Consolidated	38,618	35,892

Notes:

Net Debt is defined as long term borrowings, short term borrowings and current portion of long term debt less cash and cash equivalents Equity is defined as shareholders' funds and perpetual bonds

EBITDA is defined as profit from operations before depreciation and amortization expense, finance costs, exceptional item & tax





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