

POWER BULLETIN

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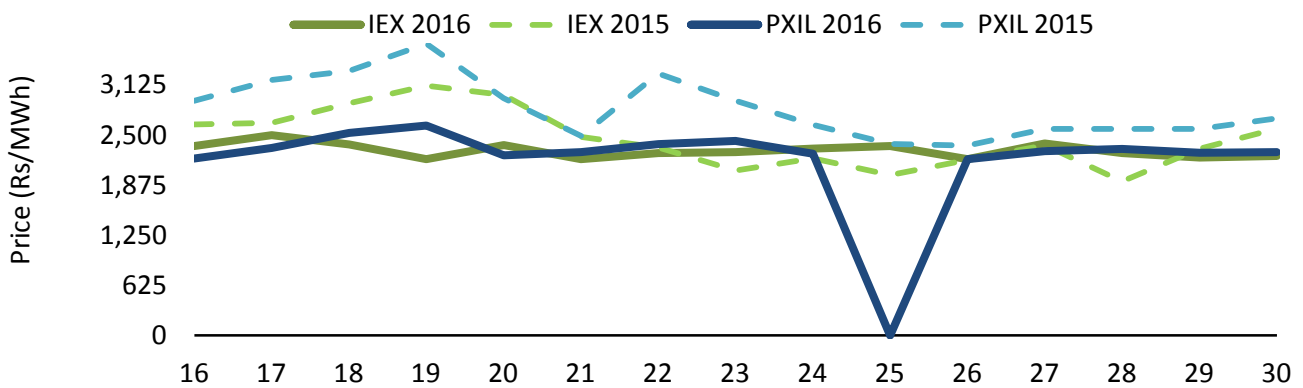
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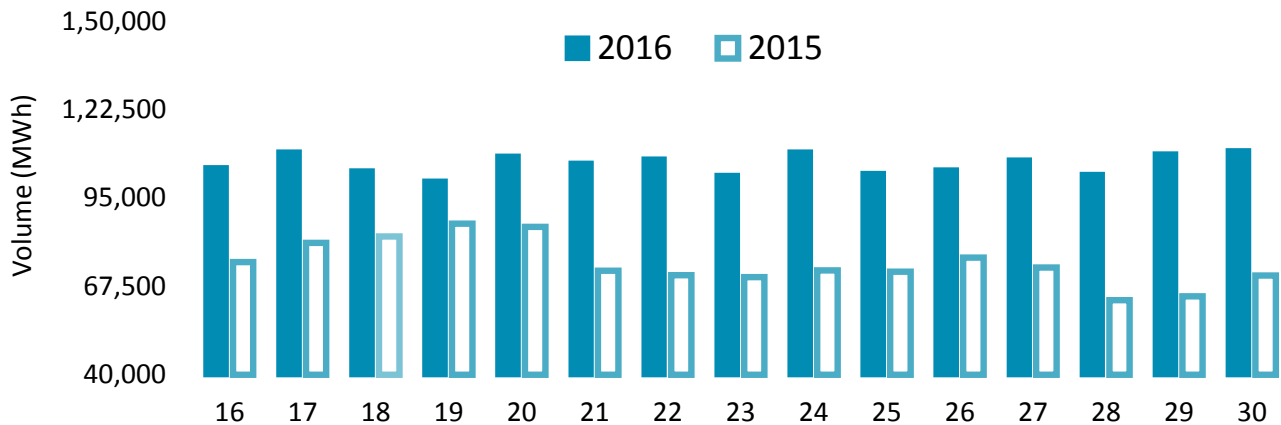
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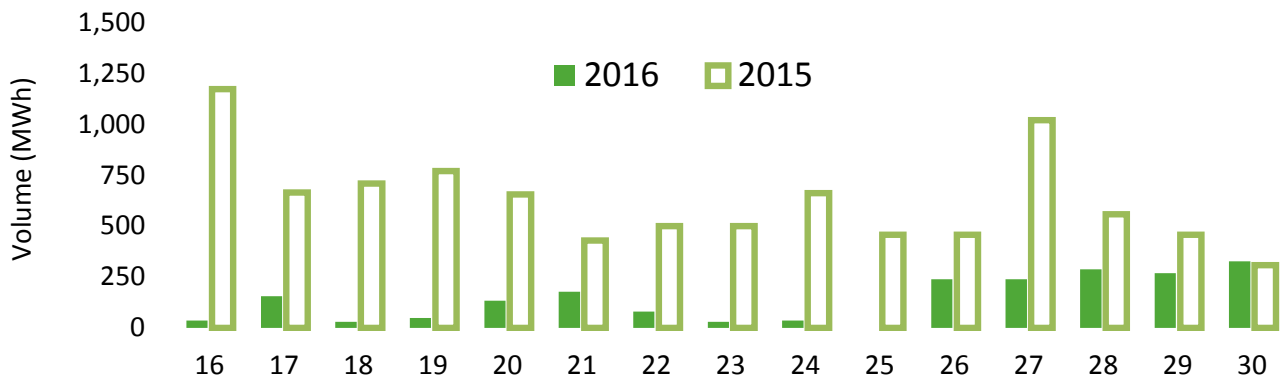
Year-on-year price comparison of power traded on IEX and PXIL (16 – 30 June)



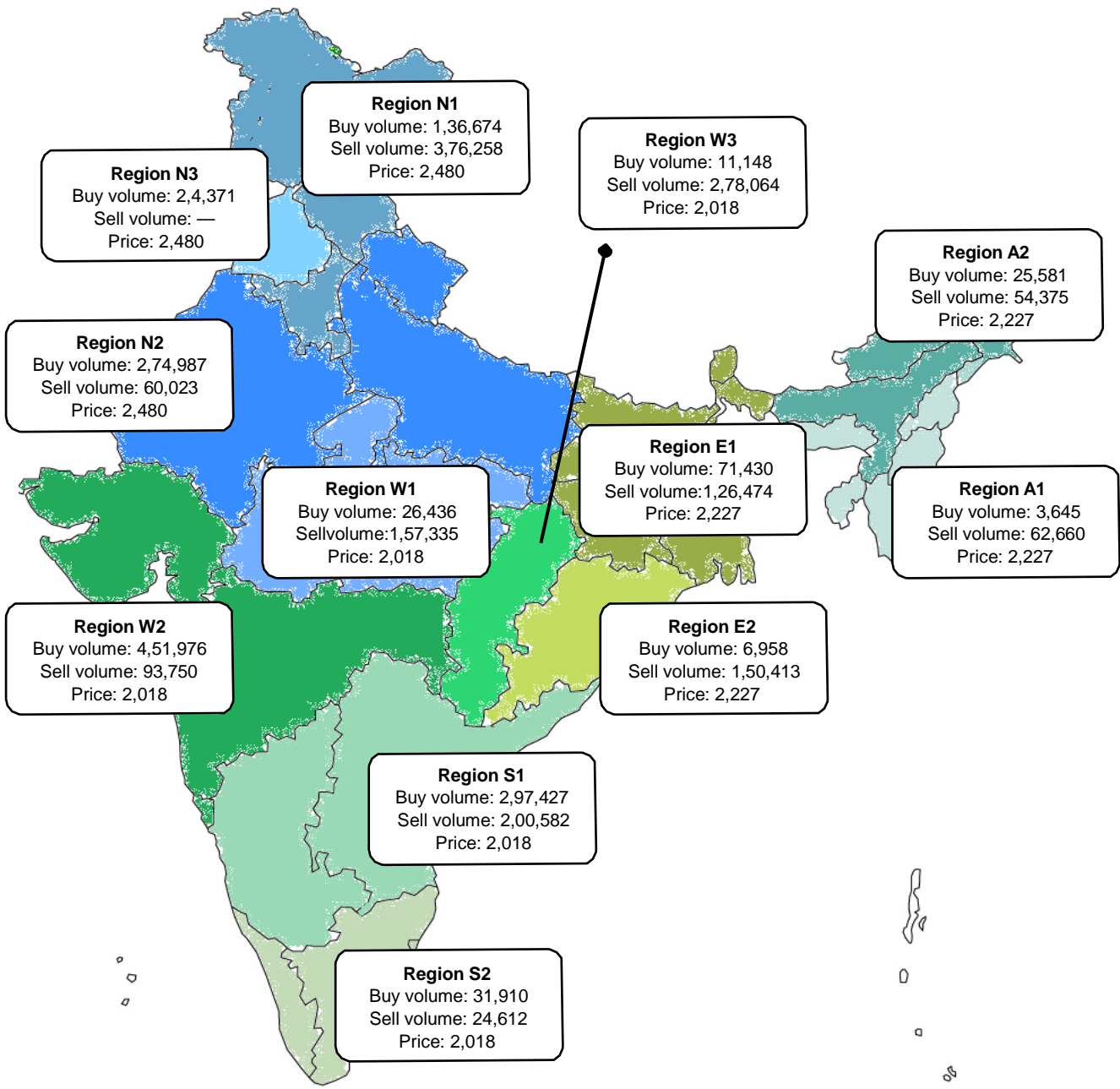
Year-on-year volume comparison of power traded on IEX (16 – 30 June)



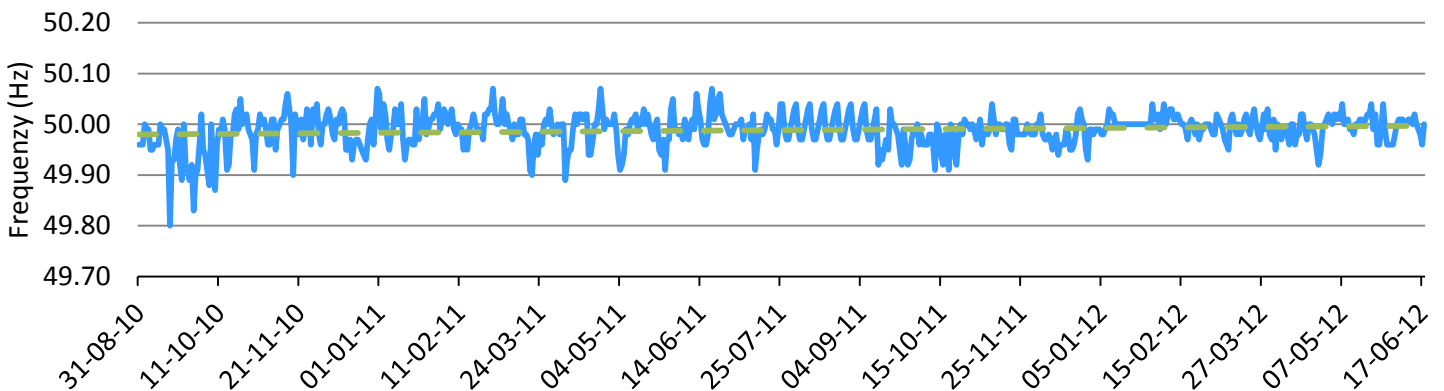
Year-on-year volume comparison of power traded on PXIL (16 – 30 June)



Area-wise Average Power Trading Data from IEX (16 – 30 June 2016)



Average Daily Frequency of Indian Power Grid

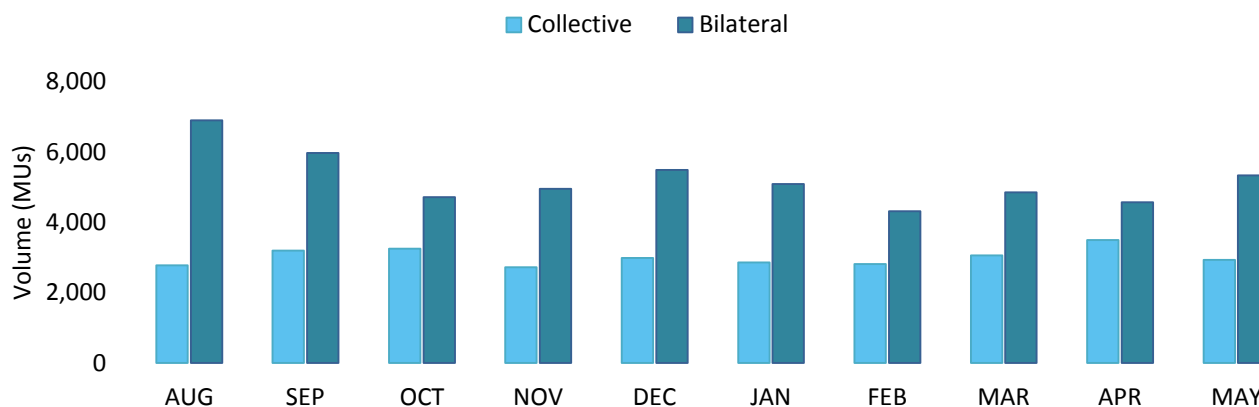


Short Term Open Access

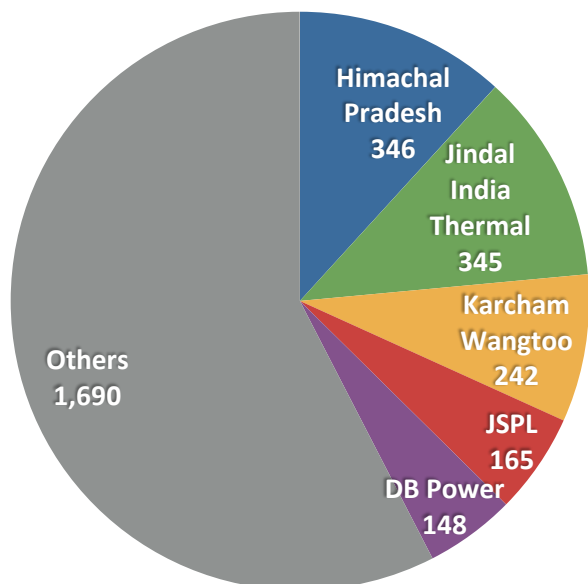
Approved Bilateral Short Term Open Access (in million kWh)

Month RLDC	SEP '15	OCT '15	NOV '15	DEC '15	JAN '16	FEB '16	MAR '16	APRIL '16	MAY '16
North	2441	678	1358	1789	1956	1692	1243	840	2672
West	656	1022	1686	1723	1059	858	1238	1008	2232
South	1809	1705	1092	1190	1018	781	1032	1183	2190
East	979	1165	710	666	838	785	1141	1420	2570
North-East	90	144	107	125	216	199	201	122	248
TOTAL	5975	4714	4953	5493	5087	4315	4855	4573	9912

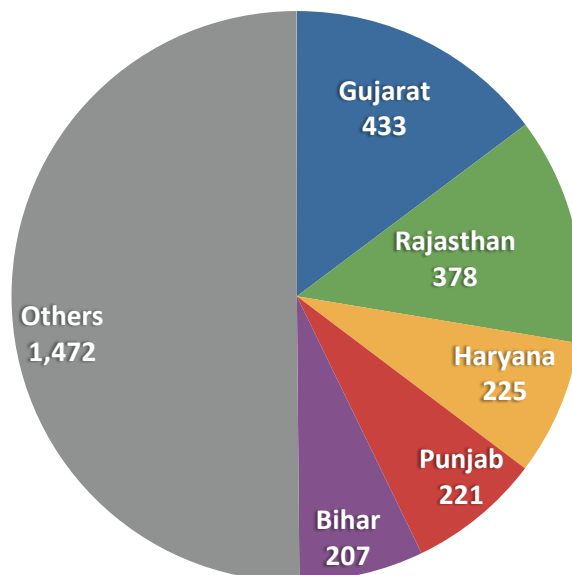
Approved Bilateral & Collective STOA (million kWh) FY2014-15 & FY2015-16



Major Buyers at Exchanges in June' 2016 (MUs)



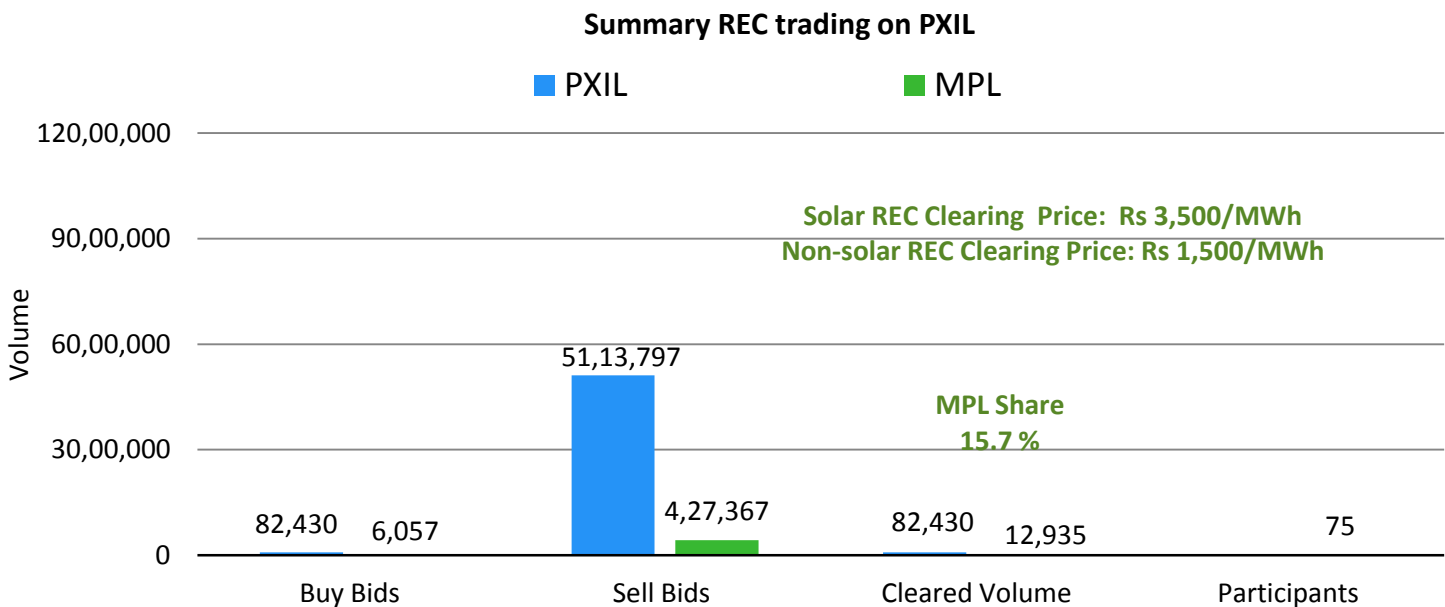
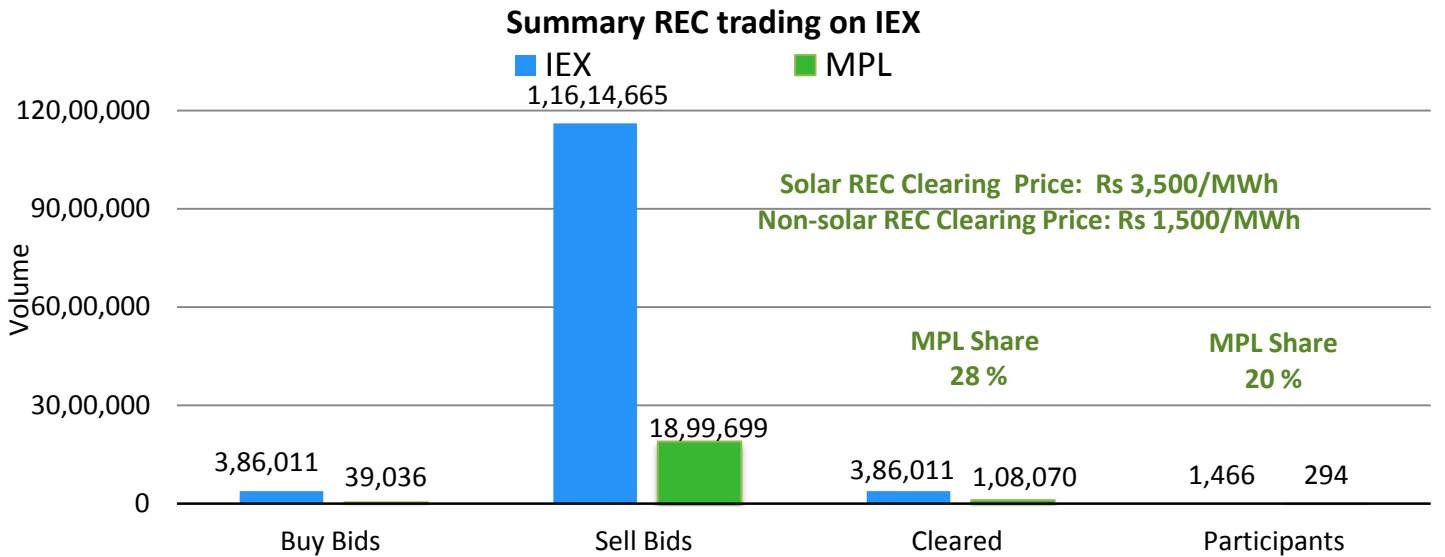
Major Sellers at Exchanges in June' 2016 (MUs)



Storage status of important reservoirs (As on 30 June 2016)

Region – No. of reservoirs	Filing position w.r.t. FRL							
	100%	91-99%	81-90%	71-80%	61-70%	51-60%	41-50%	< 40%
North (HP, Punjab, Rajasthan) – 5	–	–	–	–	–	1	–	5
East (Jharkhand, Odisha, Tripura, West Bengal) – 14	–	–	–	–	–	–	1	14
West (Maharashtra, Gujarat) – 27	–	–	–	–	–	–	–	27
Central (MP, UP, Uttarakhand, Chhattisgarh) – 12	–	–	–	–	–	–	–	12
South (Karnataka, TN, AP, Kerala) – 31	–	–	1	–	–	1	–	29

Summary of REC Trading & MPL share – 29 June 2016



News Updates

Piyush Goyal to seek soft loans for renewables from World Bank

The main focus is to get a low cost long tenure funding for the renewable energy

Alstom T&D wins Rs 202-cr orders from Power Grid

The project will evacuate power from NTPCs 1,600 MW Gadawara Supercritical Thermal Power Station

Tata Power Renewable Energy raises Rs. 575 cr via NCDs

TPREL has raised Rs 575 crore through issuance of non-convertible debentures on private placement basis

Siemens wins Rs 978 crore order for India-Bangladesh power link

Siemens will be responsible for engineering, installing and commissioning of the complete HVDC system

NTPC makes energy bill savings in April despite increased clean energy cess

NTPC has made a saving of Rs 446 crore in energy bill in April

Essar Power to start 500 mw Hazira gas-based plant in 3 months

The plant was commissioned in 2006 and commenced commercial operations in 2008, but due to high price of fuel, company kept it suspended for three years

Policy to revive hydro power sector on the anvil: Piyush Goyal

The hydro power of up to 25 MW capacity have been categorised as small hydro power projects and get benefits as renewable energy projects

Will not cut government stake in power PSUs below 51%: Piyush Goyal

The government has set a disinvestment target of Rs 56,500 crore for the fiscal

Delhi government mulling revoking licences of Anil Ambani-led BSES discoms

The Delhi government is considering revoking the licences of BSES discoms due to their dismal performance

Gamesa's merger with Siemens to create worlds biggest builder of windfarms

Siemens will pay in cash 3.75 euro a share to shareholders of Gamesa upon completion of merger

Four Gujarat discoms top-most performers for 4 years: Saurabh Patel

The firms are: Uttar Gujarat Vij Vistaran Company, South Gujarat Vij Vistaran Company, Madhya Gujarat Vij-Vistaran Company and Paschim Gujarat Vij Vistaran Company

India, Suzlon enter JV for 100 mw solar project

CLP India acquired 49 per cent stake in SE Solar set-up by Suzlon

DCM Shriram to complete Rs 607 cr expansion project by October

It is the third-largest Chlor-Alkali producer in the country

CESC enters power distribution business in Rajasthan

The company is likely to generate Rs 750 crore revenue.

NTPC's credit strength reflects dominant position, says Moody's Investors Service

Although NTPC's financial profile is strong, it has been weakening as a result of capex

Cygni Energy is first firm to benefit from Start-Up India

It will now file for patent under the fast-track mode meant for startups for its inverterless solar energy technology.

Equis to invest \$1 billion to double India renewables portfolio

Equis has financed 737 megawatts of Indian renewables, with 300 megawatts under development.

Reliance Power eyes Rs 714 crore from Tilaiya procurers

Rs 600 crore will be in the form of bank guarantees the procurers had offered to buy electricity and another Rs 114 crore as compensation

Andhra Pradesh joins UDAY to derive Rs 4,400 crore benefits

Andhra Pradesh signed the MoU as the 13th state to be covered under the scheme

MNRE sets target of setting up one lakh family type biogas plants for FY 2016-17

It will save upto 21,90,000 LPG cooking cylinders annually

Regulatory Updates

Operation of 24x7 Round the Clock Intraday/Contingency Market (Extended Market Session) on the Power Exchanges

The Central Electricity Regulatory Commission (CERC) had directed the Power Exchanges to extend 24x7 intraday/contingency market sessions from July 2015.

On review of the operation of exchanges during these extended market hours; It was found that (i) of the total volume of electricity transacted through Intraday and day ahead contingency contracts, 65 per cent of the volume was transacted in extended hours while only 35 per cent was transacted in normal hours; (ii) the price of electricity transacted through intraday and day ahead contingency contracts was relatively low during extended hours compared to normal hours and (iii) more volume was transacted at lower price during extended hours when compared with normal hours, which is beneficial to the market participants.

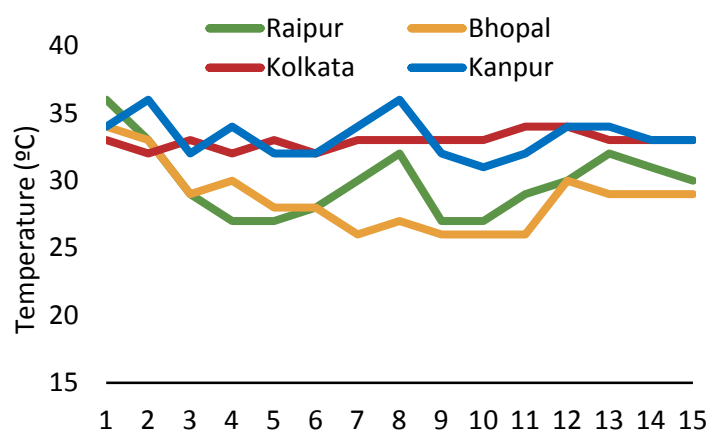
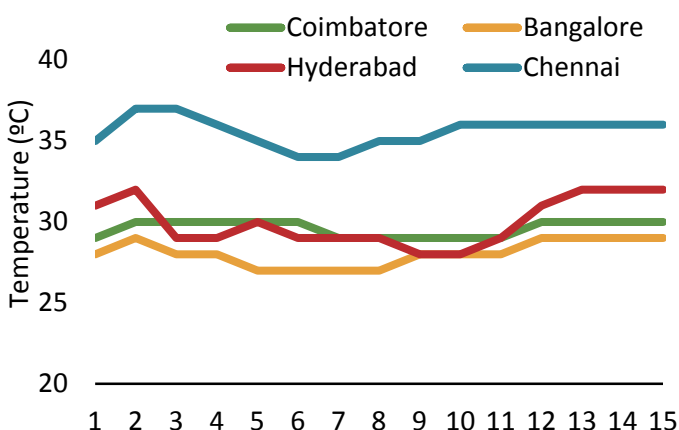
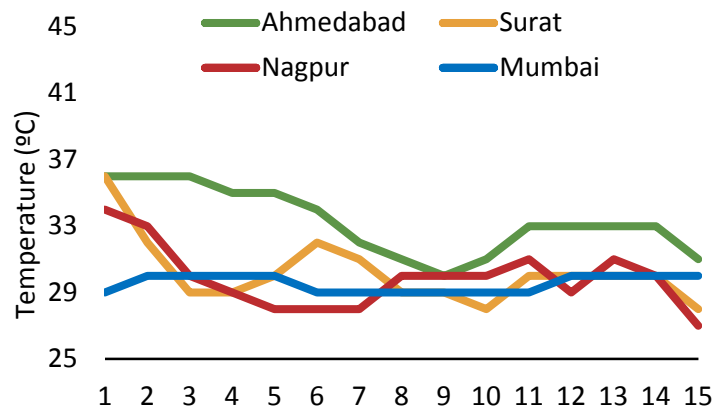
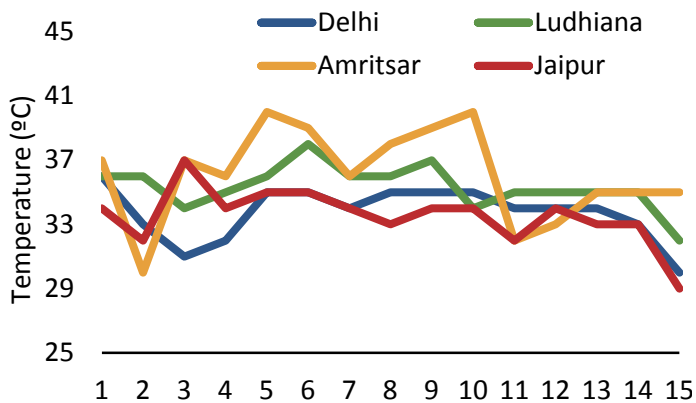
The commission directs the power exchanges to continue the extended market sessions.

Karnataka ERC determines DSM charges/penalties in case of deviation

The DSM charges/penalties to be paid is determined for wind and solar generators having PPAs with ESCOMs and/or supplying power to consumers availing open access facilities for wheeling the power within state.

Deviation Range		Accounted Payment
>± 15%	≤± 25%	Rs 0.5 per kWh
>± 25%	≤± 35%	Rs 0.5 per kWh + Rs. 1.0 per kWh for the remaining quantum exceeding the range
More than ± 35%		Rs 0.5 per kWh + Rs. 1.0 per kWh+ Rs 1.5 per kWh for remaining quantum exceeding the range

Forecasted High Temperatures for Major Cities (1-15 July 2016)



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