

# POWER BULLETIN

Volume 96 | December 2016 Edition I

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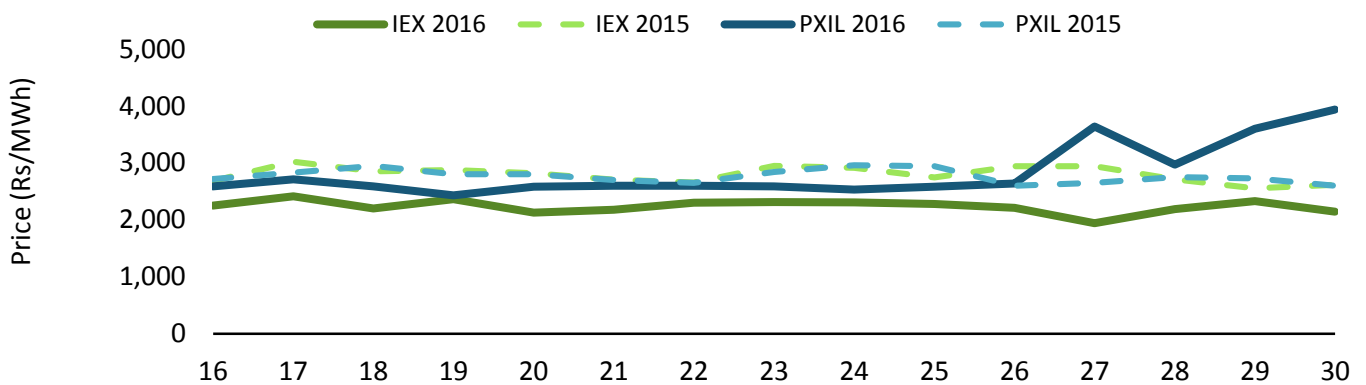
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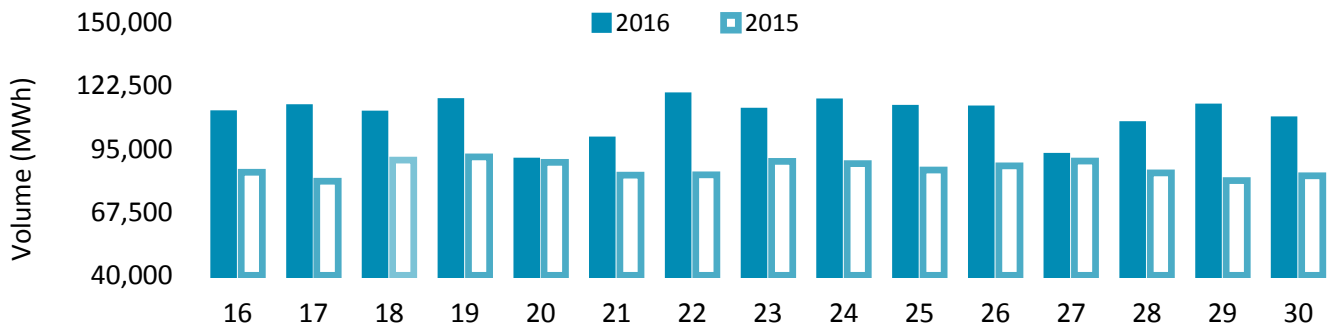
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## Exchange-based Power Trading

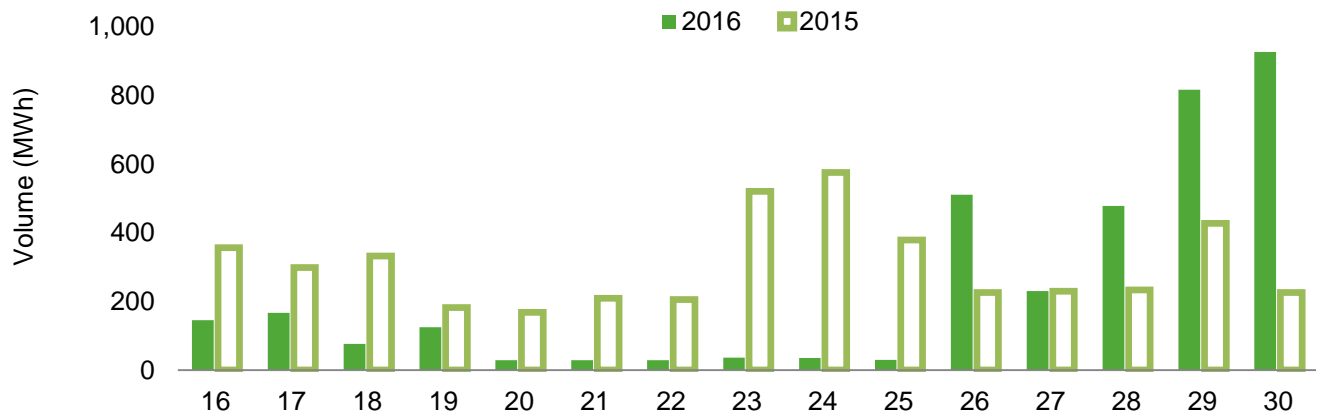
**Year-on-year price comparison of power traded on IEX and PXIL (16 – 30 November)**



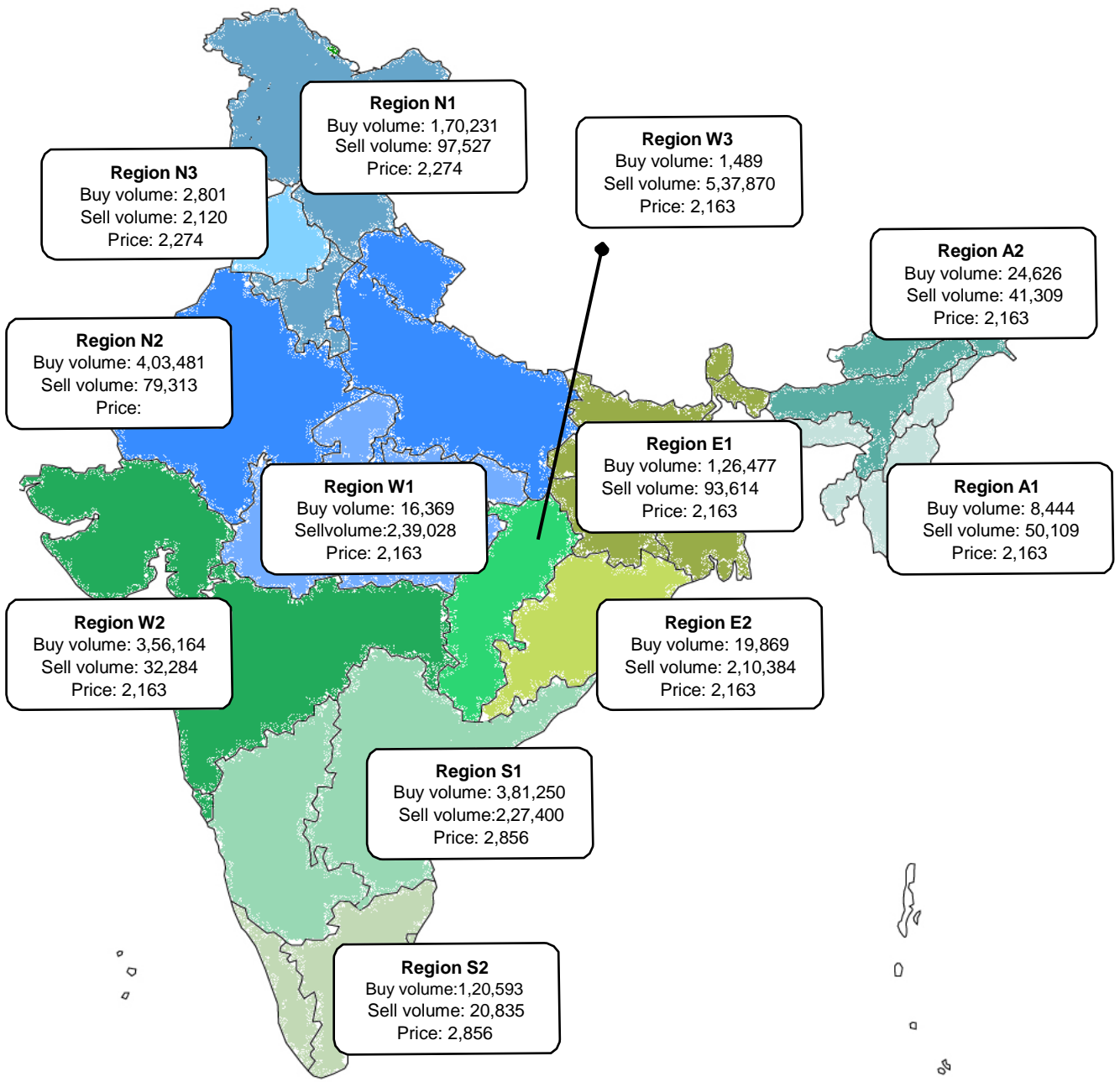
**Year-on-year volume comparison of power traded on IEX (16 – 30 November)**



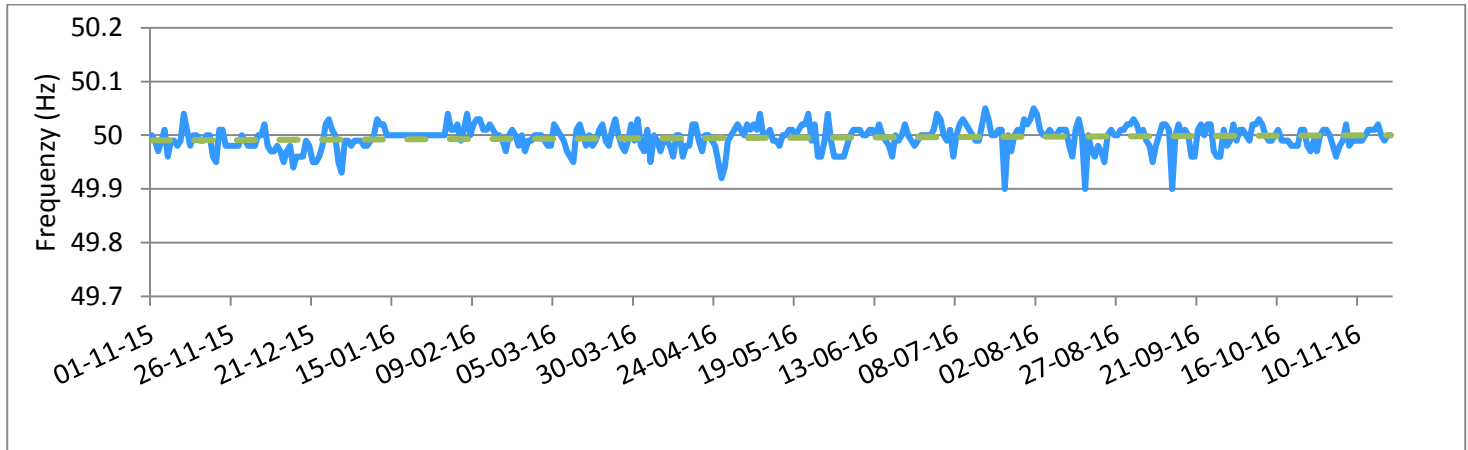
**Year-on-year volume comparison of power traded on PXIL (16 – 30 November)**



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



**Average Daily Frequency of Indian Power Grid**

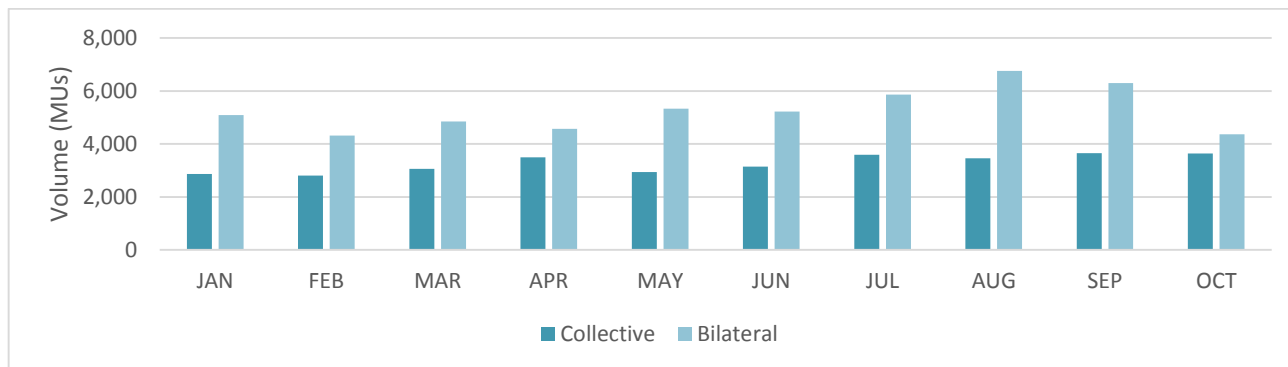


## Short Term Open Access

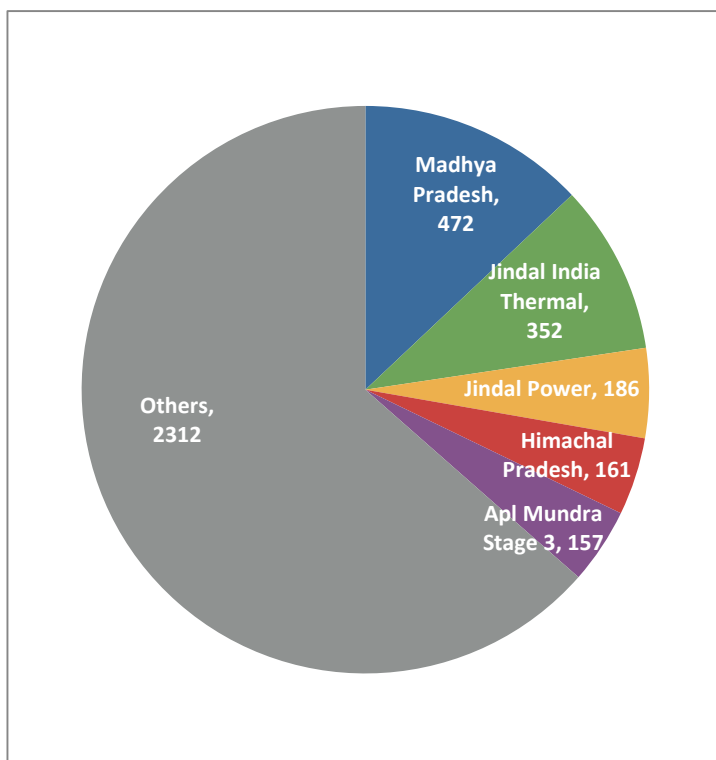
### Approved Bilateral Short Term Open Access (in million kWh)

Month   RLDC	FEB '16	MAR '16	APRIL '16	MAY '16	JUN'16	JUL'16	AUG'16	SEP'16	OCT'16
<b>North</b>	1692	1243	840	1832	2266	3536	3769	2761	1180
<b>West</b>	858	1238	1008	1224	1053	1146	1012	1423	1483
<b>South</b>	781	1032	1183	1007	911	493	1118	1112	902
<b>East</b>	785	1141	1420	1150	941	627	793	944	732
<b>North-East</b>	199	201	122	126	60	66	72	60	74
<b>TOTAL</b>	<b>4315</b>	<b>4855</b>	<b>4573</b>	<b>5339</b>	<b>5231</b>	<b>5868</b>	<b>6765</b>	<b>6301</b>	<b>4371</b>

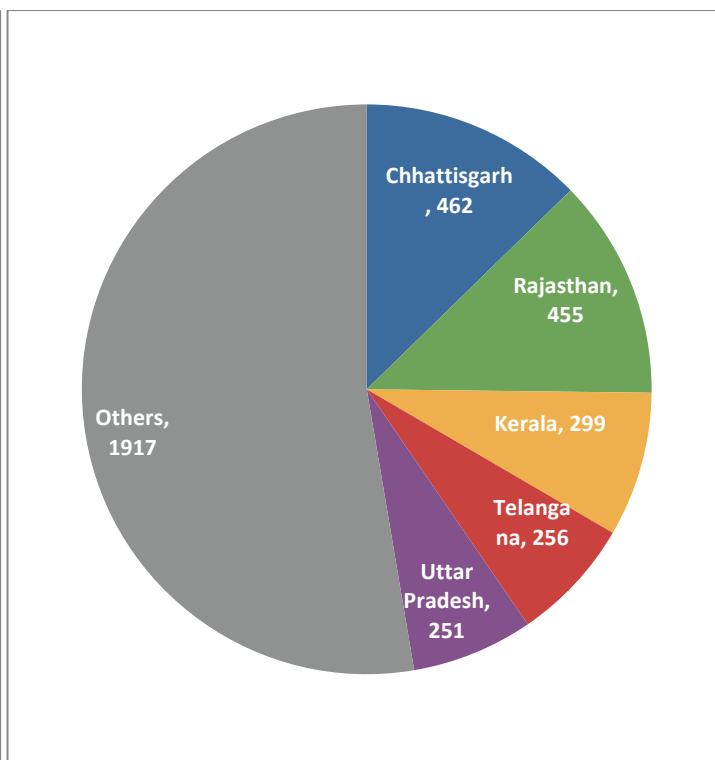
### Approved Bilateral & Collective STOAs (million kWh) FY 2015-16 and FY 2016-17



#### Major Sellers at Exchanges in October' 2016 (MUs)



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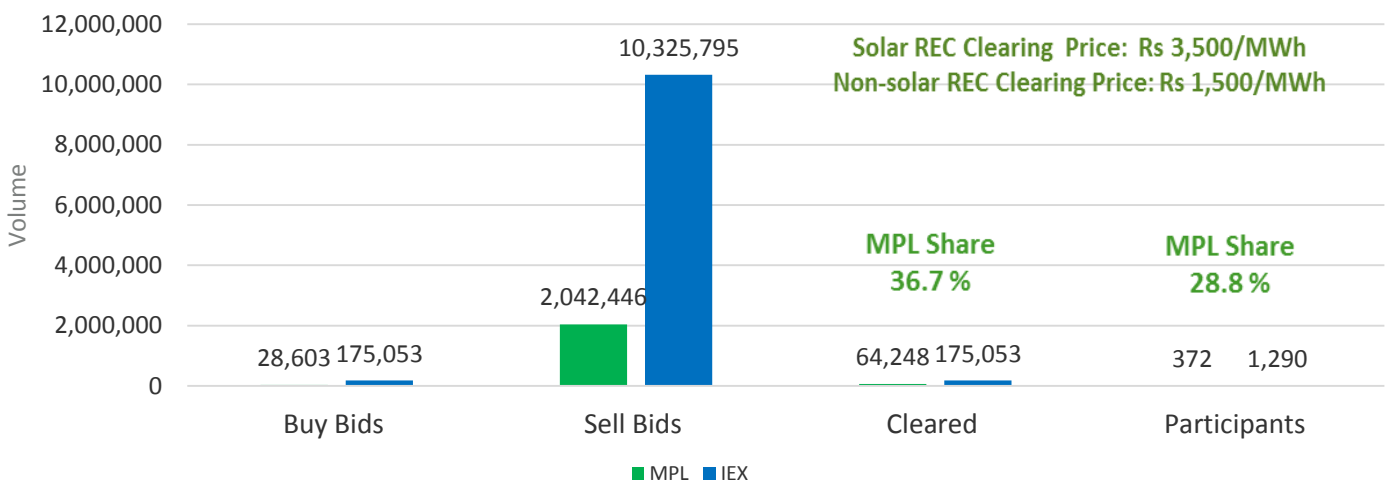


### Storage status of important reservoirs (As on 24 November 2016)

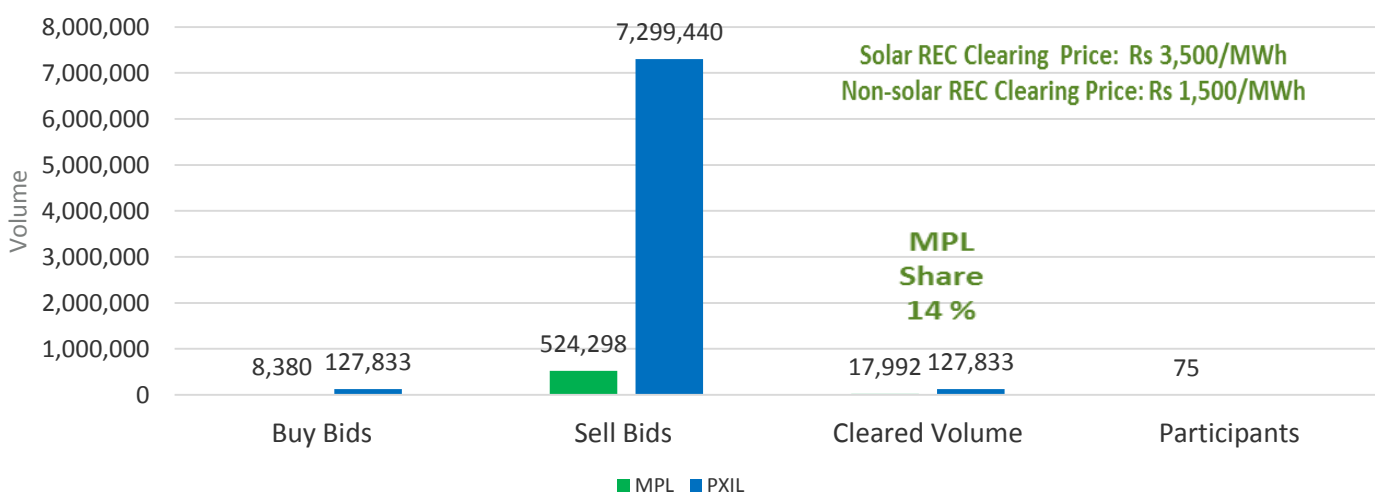
Region – No. of reservoirs	Filing position w.r.t. FRL							
	100%	91-99%	81-90%	71-80%	61-70%	51-60%	41-50%	< 40%
<b>North</b> (HP, Punjab, Rajasthan) – 6	1	1	-	-	-	3	1	-
<b>East</b> (Jharkhand, Odisha, Tripura, West Bengal) – 15	3	2	3	3	1	1	1	1
<b>West</b> (Maharashtra, Gujarat) – 27	3	5	8	3	2	1	2	3
<b>Central</b> (MP, UP, Uttarakhand, Chhattisgarh) – 12	1	3	4	1	1	1	-	1
<b>South</b> (Karnataka, TN, AP, Kerala) – 31	2	-	1	-	3	6	2	17

### Summary of REC Trading & MPL share – 30<sup>th</sup> November 2016

#### Summary REC trading on IEX



#### Summary REC trading on PXIL



## News Updates

### **Power distribution reforms: All is not well for states tariff revision**

Progress of timely and proper tariff revision in the current financial year is very moderate

### **BESTs power bills to drop by 35% from November**

BEST announced that it will stop levying TDLR (transport division loss recovery) surcharge with immediate effect.

### **Kahalgaon plant to generate low cost power soon**

Kahalgaon Super Thermal Power Station has achieved 74.31% of the total PLF with a record generation of 1,5,275.02 MUs of electricity in the FY15-16

### **Sembcorp Gayatri Power completes first 660 MW unit**

The second unit of 660 MW is expected to be completed in the first quarter of 2017

### **India Power completes acquisition of Meenakshi Energy plan**

Acquisition has been done by transferring Rs. 2,800 crore of Meenakshis debt into its own accounts and buying out Rs. 3,800 crore of equity at \$1

### **CESC extends power distribution operations to Bharatpur**

Bharatpur city currently has more than 52,000 power consumers with annual energy sales amounting to 230 MUs.

### **Uttar Pradesh govt gives nod to power projects worth Rs 768 crore**

The funds are approved to improve the infrastructure of power supply in the state

### **NHPC Q2 net up 28% on higher output**

Gross generation of the company was up by 2 % to 8,941 MUs during July-September

### **Surcharge waiver on power bills to recover Rs 4,000cr dues**

Waiver has been announced for domestic and non-domestic consumers using power up to 2kW for both urban & rural areas

### **Slow progress in commissioning pvt sector hydro power projects**

Only 3,269 MW has been operationalised so far out of the overall plans for 38,039 MW

### **Gurgaon power department all set to invest Rs 200 crore to maintain and upgrade feeders**

Around Rs 1 crore is required to upgrade and maintain one feeder on an average

### **Vedanta looks to raise captive power generation capacity**

Company is considering setting up 350 MW super critical units in JV at its different production bases in the country

### **Government mulls central transmission entity**

Government is looking at creating a separate entity to function as a dedicated CTU with operational and financial authority

### **BGR Energy Systems bags Rs 2,789 crore order from NLC India**

NLCI jointly with UPRVUNL is setting up a 1,980 MW coal based super critical thermal power plant at Ghatampur, UP

### **Telangana Genco revs up efforts for green signal to Yadadri power plant**

Yadadri station would have five units with 800 MW plants & would be constructed with a cost of Rs 28,000 crores

### **Big chunk of pvt coal-based IPP under operational stress:Ficci**

71 GW of private coal based IPP is under operational stress mainly due to absence of FSA and PPA

### **BHEL commissions 93 MW power plant at Hazira for RIL**

It will meet the power requirements of Reliance Industries refinery projects at Hazira and Dahej

### **Indian power distribution companies revival key to generation volumes in 2017: Fitch**

Indian state utilities will have large capex requirements in 2017

### **Low power generation capacity utilisation to continue in 2017**

NTPC, NHPC and PGCIL will benefit from regulatory certainty under the current five-year tariff period

### **NTPC- Talcher Thermal achieves highest generation in a single day**

It generated 11.496 MUs of electricity at 104.13% CUF on November 23rd 2016

### **Private capacity accounts for 41% of total power generation in India**

Private capacity has moved up to 124 GW in 2015-16 due to favourable government policies

### **NTPC-BHEL power gear unit finally up, but downsized**

6,000 crore JV between NTPC and BHEL for manufacturing power equipments was finally into production mode at Mannavaram, Chittoor, AP

### **3 lakh defaulters pay Rs 108 crore to Maharashtra state electricity distribution company**

Over 3 lakh consumers from Pune, Pimpri Chinchwad and adjoining rural areas have paid their arrears amounting to Rs 108 crore to MSEDCL

### **Dow eyes power plants for new wastewater treatment technology in India**

Company is looking at power sector that has to adhere to stringent wastewater treatment norms

### **Madhya Pradesh to get 17,000 crore boost in energy sector by 2020**

Hindustan Power will invest Rs 17,000 crore in Madhya Pradesh in the energy sector by 2020

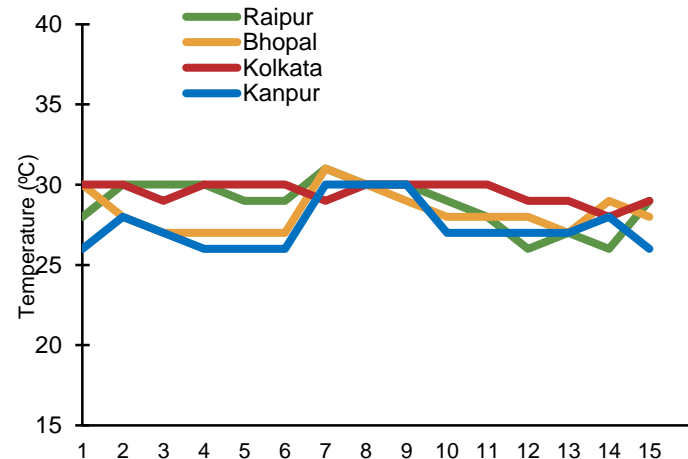
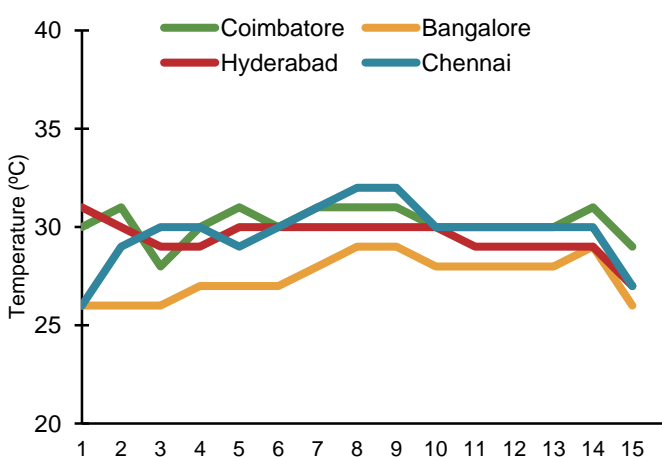
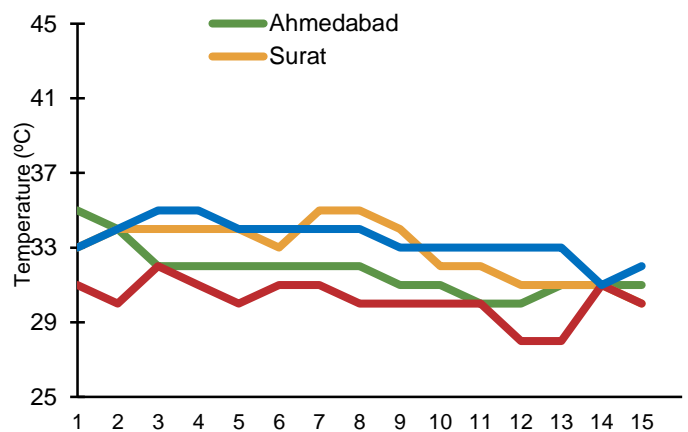
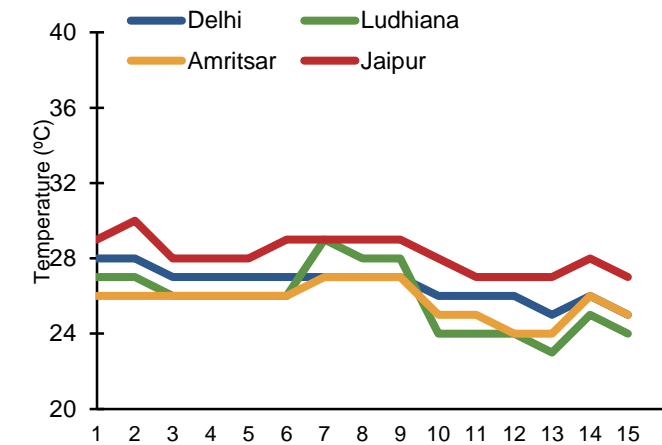
**Regulatory Updates**

- ❖ **Punjab generic levelled generation tariff rates for Renewable Energy Power Projects for FY 2016-17.**
  - Generic tariff shall be applicable for Solar PV Power Projects up to 31.03.2018 and for Solar Thermal Projects up to 31.03.2019 provided the Power Purchase Agreements (PPAs) are signed on or before 31.03.2017.
  - As there is no installable potential for wind energy in the State. In the event of such a project being established, tariff for Wind Zone-1.

Particulars	Applicable Tariff Rates(Rs/kWh)	Benefit of Accelerated Depreciation, if available(Rs/kWh)	Net Applicable Tariff Rate upon adjusting for Accelerated Depreciation benefit
<u>Solar Power Projects</u>			
Solar PV	5.68	0.60	5.08
Solar Thermal	12.07	1.25	10.82
<u>Wind Energy Power Projects</u>			
Wind Zone-1	6.60	0.71	5.89
<u>Small Hydro Power Projects</u>			
Below 5 MW	5.54	-	-
5 to 25 MW	4.69	-	-

**Forecasted High Temperatures for Major Cities (01-15 December 2016)**

Source:AccuWeather



### For more information, contact us

**Kolkata:**

3rd Floor,"AASTHA"  
460, EM Bypass, Kolkata  
West Bengal, India  
Pin-700107  
Tel : +91-33-4061-0165  
Fax : +91-33-4061-0166

Contact Person  
Mr. Somnath Halder  
Designation: AGM  
e-mail : somnath@manikaranpowerltd.in

**Delhi:**

D 21, Corporate Park, 2nd floor,  
DWARKA Sector-21,  
New Delhi 110075  
Tel : +91 11 6565 1994  
Fax : +91 11 4576 8467

Contact Person  
Mr Nishant Singhal  
e-mail: nishant.singhal@manikaranpowerltd.in

**Chennai:**

No.21(old No.8),1st Floor, Sakthi Nagar,  
5th Street, Choolaimedu,  
Chennai-600094,India

Contact Person  
Mr. Prabhat Kumar  
Designation: Asst. Manager  
e-mail :prabhat@manikaranpowerltd.in

**Mumbai:**

302, Agarwal Arcade, Manapada, Thane  
Mumbai - 400610  
Maharashtra, India  
Tel- +91 22 67422400/25895210  
Fax - +91 22 67422404

Contact Person  
Mr. Sougata Chatterjee  
Designation: Manager  
e-mail : [sougata@manikaranpowerltd.in](mailto:sougata@manikaranpowerltd.in)

**Bangalore:**

1320, 3rd Floor, Sai Krishna Arcade,  
24th Main, Near Purva Fairmont Apartments,  
Sector 2, HSR Layout, Bangalore 560102  
Tel :- +91-080-4924 9999

Contact Person  
Mr. Sumit Kumar  
Designation: Asst. Manager  
e-mail : [sumit@manikaranpowerltd.in](mailto:sumit@manikaranpowerltd.in)

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