



## POWER BULLETIN Volume 50 | December 2014 Edition II

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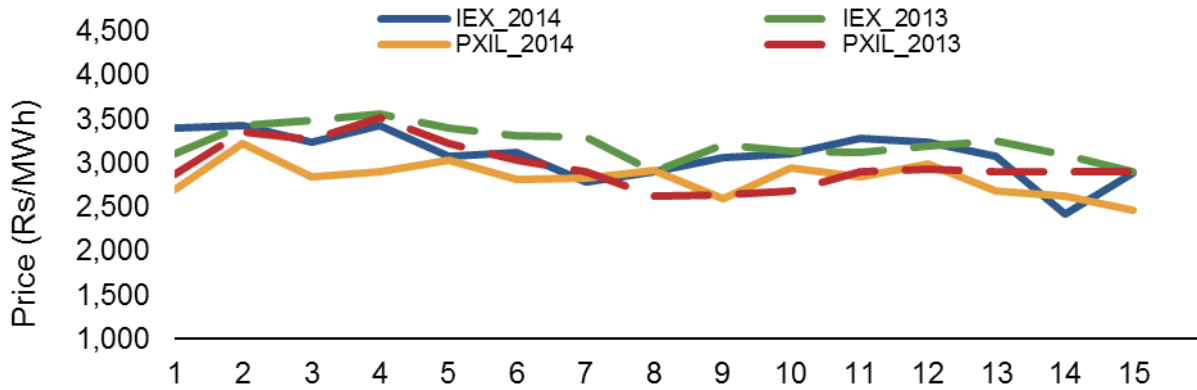
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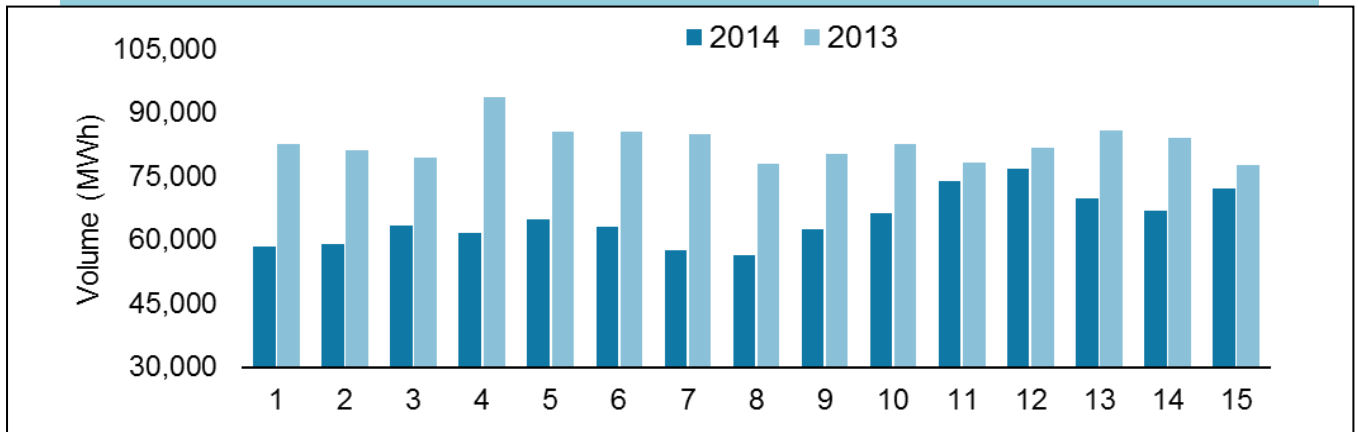
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### Exchange-based Power Trading

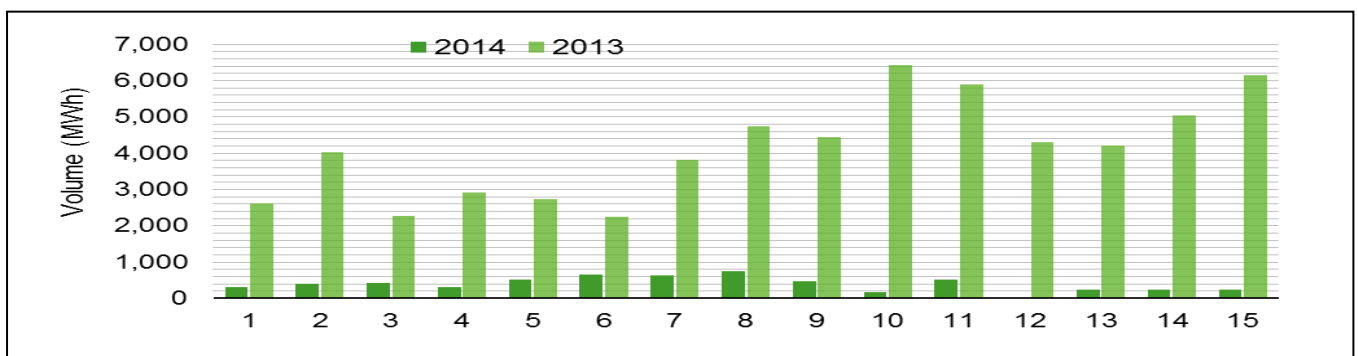
Year-on-year price comparison of power traded on IEX and PXIL (1-15 December)



Year-on-year volume comparison of power traded on IEX (1-15 December)

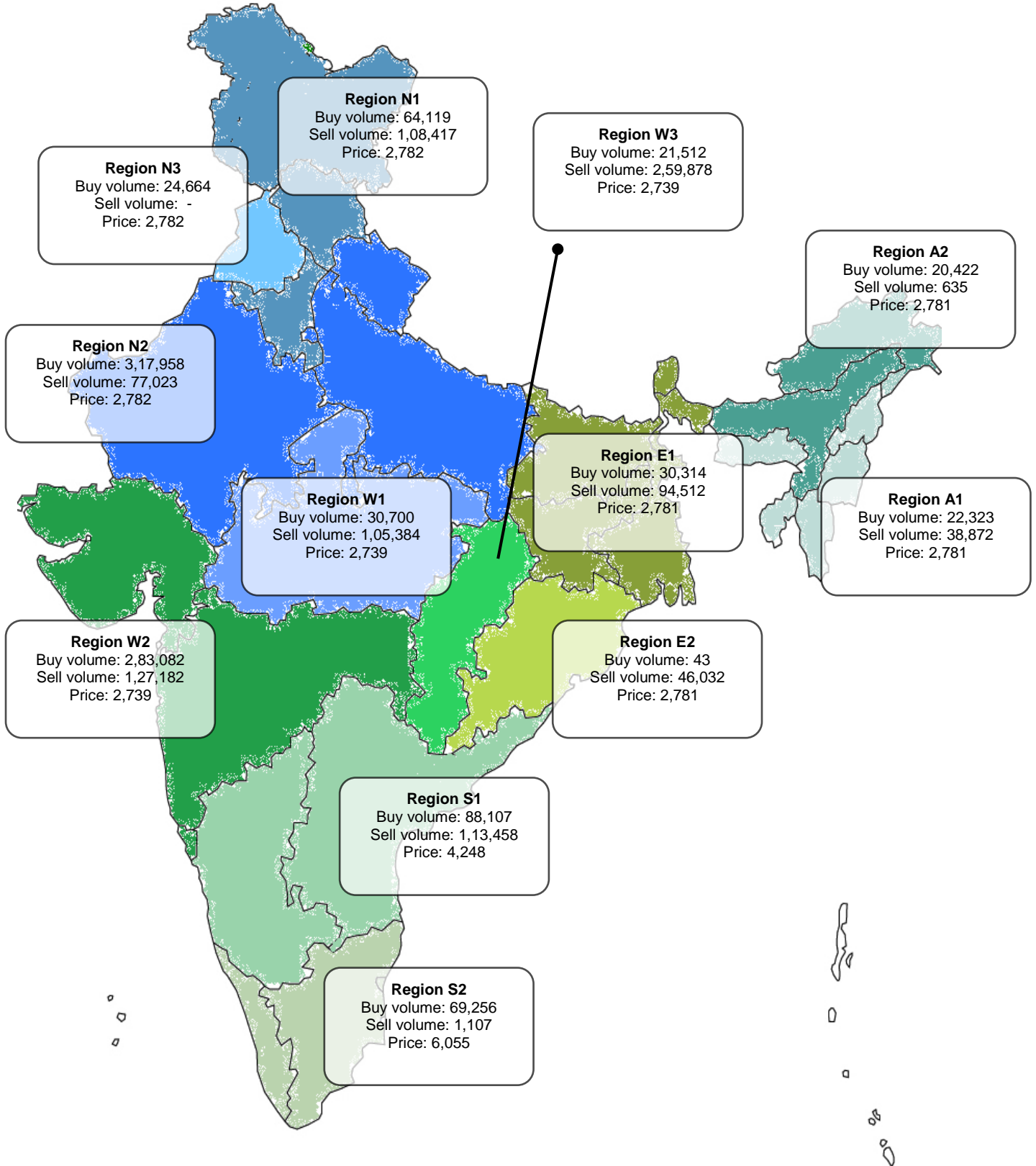


Year-on-year volume comparison of power traded on PXIL (1-15 December)



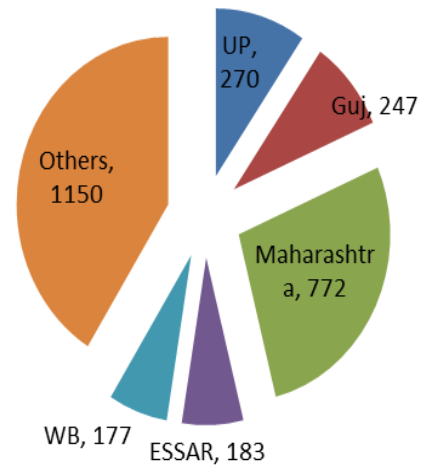
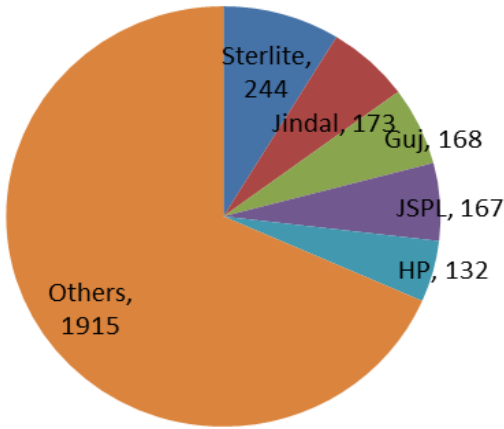


**Area-wise Average Power Trading Data from IEX (01-15 December 2014)**



Major Buyers at Power Exchanges in Oct 2014  
Volume in million kWh

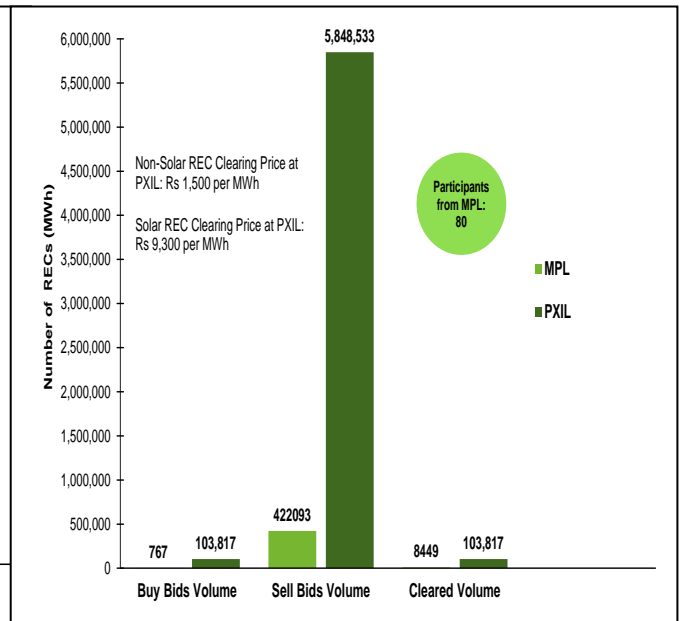
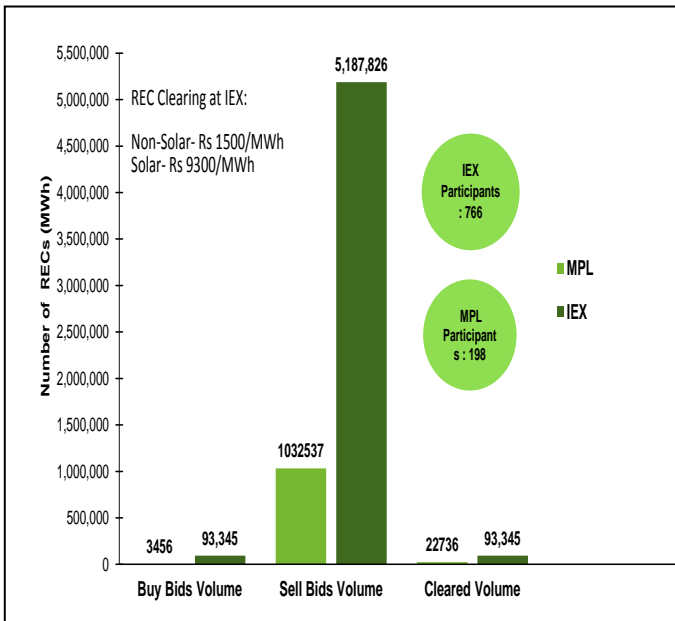
Major Sellers at Power Exchanges in Oct 2014  
Volume in million kWh



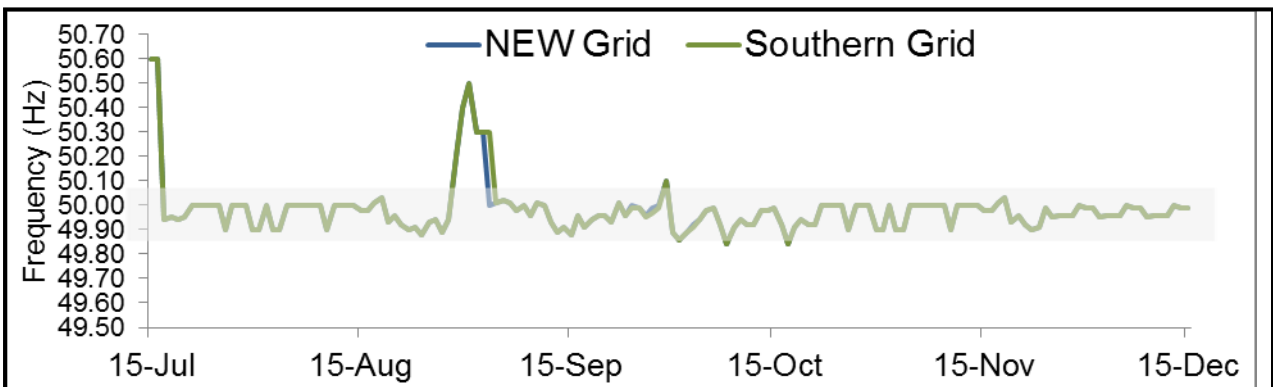
Summary of REC Trading and MPL Share dated 26 November 2014

Summary of REC Trading at IEX

Summary of REC Trading at PXIL

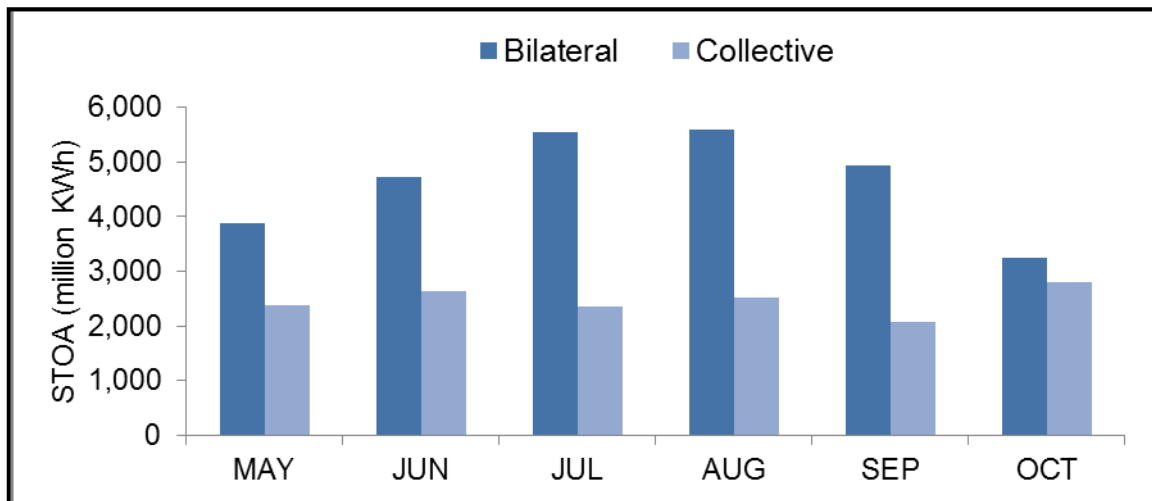


Average Daily Frequency of NEW & Southern Grids JULY 2014- DEC 2014



**Short Term Open Access****Approved Bilateral Short Term Open Access (million kWh) MAY 2014 - OCT 2014**

| Month   RLDC | May   | June  | July  | August | September | October |
|--------------|-------|-------|-------|--------|-----------|---------|
| NR           | 1,443 | 2,299 | 2,293 | 3030   | 2,654     | 899     |
| WR           | 576   | 575   | 578   | 695    | 496       | 822     |
| SR           | 960   | 1,039 | 1,061 | 1061   | 962       | 838     |
| ER           | 782   | 735   | 913   | 779    | 789       | 657     |
| NER          | 111   | 70    | 24    | 24     | 34        | 42      |
| Total        | 3,872 | 2,771 | 4,869 | 5589   | 4,934     | 3257    |

**Approved Bilateral and Collective STOA (million kWh) May 2014 - Oct 2014****Storage status of important reservoirs (As on 18 December 2014)**

| 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) – 6                   | -                          | 1      | 1      | -      | 2      | -      | 2      | 1     |
| East (Jharkhand, Odisha, Tripura, West Bengal) – 15 | -                          | 1      | 7      | 1      | 1      | -      | 2      | 3     |
| West (Maharashtra, Gujarat) – 22                    | -                          | 1      | 1      | 6      | 4      | 2      | 2      | 6     |
| Central (MP, UP, Uttarakhand, Chhattisgarh) – 12    | -                          | 1      | 4      | 3      | 1      | 1      | -      | 2     |
| South (Karnataka, TN, AP, Kerala) – 30              | -                          | 4      | 3      | 4      | 9      | 3      | -      | 7     |

## Power Sector Updates

### Arunachal Pradesh signs pact with Russian power company

Hydropower education projects in Arunachal Pradesh under a Public Private Partnership Model (PPP)

### Power sector unable to utilise full capacity due to poor transmission

Inadequate transmission has kept about 25,000 Mw of generation capacity idle

### Falling oil prices to make green power unattractive

Oil prices tumbled below \$60 a barrel for the first time in more than five years

### Oil India signs contract for two oil blocks in Myanmar

OIL is the operator with 60 per cent interest in both the blocks

### Energy conservation can help save Rs 50,000 crore: Piyush Goyal

Goyal said the aim should be to save 10,000 crore units of electricity by end of 2015.

### Russian bank to provide up to \$1 bn credit to Essar Group

This financing follows the successful \$1.2 billion transaction arranged in 1H 2014

### Tata Power, RDIF to explore investment opportunities in Russia

At present, Tata Power has an installed generation capacity of more than 8,600 MW

### Tata Power and Gamesa Wind Turbine sign pacts with Russia for cooperation in electricity sector

Gamesa Wind Turbine inked pact with ROTEK of Russia.

### Steep 15 per cent hike in Tamil Nadu power tariff; subsidy to offset burden

The subsidy purse will stand at Rs 6,295.32 crore annually

### India, Russia ink pact to build two nuclear reactors in Tamil Nadu

The cost of the two units is likely to be around Rs 40,000 crore and they will generate a total of 2,000 MWs of power

### India agrees to identify second site for Russian nuclear plant

Russia has already built a 1000 MW-capacity reactor as part of Kudankulam Nuclear Power Plant

### Coal auction phase I to offer 92 mines with 350 million tonne reserves

The blocks will include 42 operational mines with about 90 million tonnes of reserves

### Cabinet nod for setting up power transmission system in Tamil Nadu

CCEA approved setting up of a inter-state power transmission system in Tamil Nadu at a total cost of Rs 1593 crore.

### Andhra Pradesh power utilities to procure 2,400 MW through PPP model

Minimum capacity of power plants has been reduced from 20 per cent (480 MW) to eight per cent (192 MW) of bid capacity

### Union Cabinet approves setting up of 25 solar parks

CCEA approved a scheme for setting up 1,000 MW grid connected solar power projects by PSUs

### Government nod for amendments to Electricity Act

Increase in RPO to 10% is also a part of this amendment

### Gas customers can get mini 5-kg cylinder at subsidised rate

Consumers can avail of 34 cylinders of 5-kg in a year at subsidised rates.

### Government fixes Rs 48.5-49.5 price for ethanol procurement by oil marketing companies

Oil firms presently pay about Rs 29litre for ethanol

### Coal shortages ease at Indian power stations

28 of the power stations had less than four days coal supplies on Dec. 4, down from 35 on Nov. 2

### Coal India Ltd to e-auction surplus coal from mines with evacuation problems

The company was directed to limit e-auctioning of coal to 25 million tonnes this year from 57 MT.

### Power tariff to go up, supply down

In the new ARR, the UPPCL has suggested buying power worth Rs 43,000 crore

### Power tariff raised by 17 paise per unit

Tariff increased on account of fuel surcharge arrears (FSA)

### Kudankulam Nuclear Power Plant's Unit-1 generates 750 mw

Unit 1 of the Kudankulam plant, achieved full power in June, 2014 and has so far generated 2825 MW

### ONGC Videsh Ltd wins oil block in New Zealand

Indian firm declared winner of the 15 O/G explore licences by New Zealand's Energy Ministry.

## Power Sector Updates

### Power tariff raised by 17 paisa per unit

Tariff increased on account of fuel surcharge arrears

### Haryana discom DHBVN proposes 15% hike in power tariff

The power utility has estimated gap of Rs 2,852.71 crore for financial year 2013-14

### Government yet to award four ultra mega power plants to developers

As per the original ultra-mega power project (UMPP) scheme, 9 plants were planned across the country

### ONGC targets gas production by mid-2018 from east coast block

Estimated reserves for the block are 121 million metric tonnes of oil in place and 78.8 billion cubic metres.

### Oil marketing companies sell 5-kg LPG cylinder at Rs 150kg

Market price of a 14.2-kg cylinder in New Delhi is Rs 752, which is sold at a subsidized rate of Rs 417 for the domestic use.

### Russia may set up 20-24 nuclear energy units in India

Russia setting up 20-24 nuclear plants in India

### Coal min for Rs 150tonne floor price for auctioning mines

The floor price of the blocks would be worked out by computing their net present value

### Coal India signs pact for 1,000 MW solar power projects

CIL has already installed 2.2 MW solar power projects in two of its subsidiaries i.e 2.00 MW in MCL

## Regulatory Updates: *Links to original orders by CERC/SERCs*

### **TNERC Hikes Power Tariff In the State**

[Click here to read the complete order](#) \ TNERC

Cost of buying electricity from DISCOMs has become costlier for the Commercial & Industrial consumers in the state of Tamil Nadu. Considering the directives of the Hon'ble APTEL, the National Tariff Policy and in Exercise of the powers vested in it under the Section 62 and Section 64 of the Electricity Act, 2003 (Act) and the Tariff Regulations 2005, TNERC has decided to take up the matter of Determination of ARR and Tariff for 2014-15 by initiating suo-motu proceedings and based on that a public notice was issued by Tamil Nadu Electricity Regulatory Commission (TNERC) on 23/9/2014 eliciting comments & suggestion stakeholders to the proposed suo-motu revision of electricity tariff and transmission tariff.

The commission after considering all the comments & suggestions have revised the electricity tariff by 15% for all the category of consumers for FY 2014-15 effective from 12/12/2014.

### **Odisha Finalizes Guidelines for Net Metering**

[Click to read the complete order](#) | OERC

Odisha Electricity Regulatory Commission (OERC) through an order has finalized the guidelines for Net Metering systems, including LT connectivity for Government/ PSU owned buildings only.

The commission is mandated to promote Renewable Energy by providing connectivity with grid and sale of electricity to any person under EA 2003, which is why it has released this guidelines to enable consumers to set up Rooftop systems.

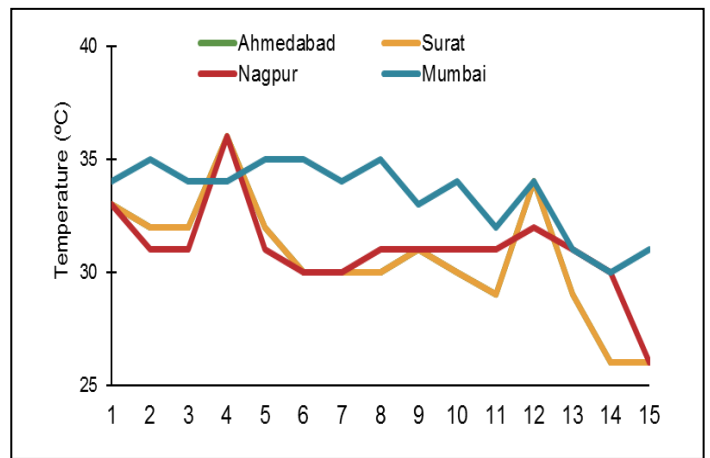
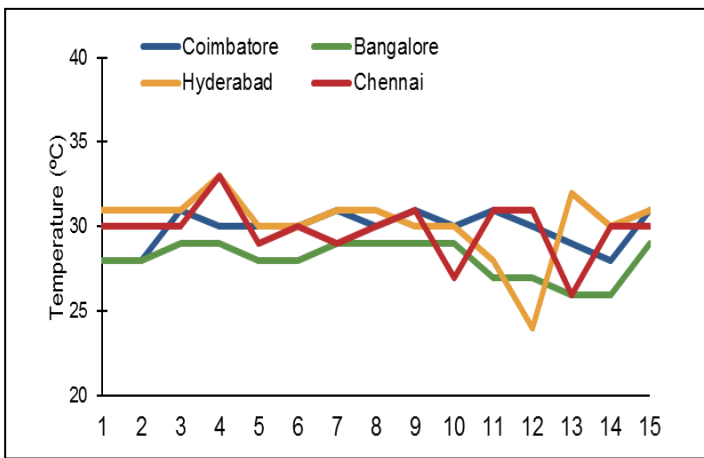
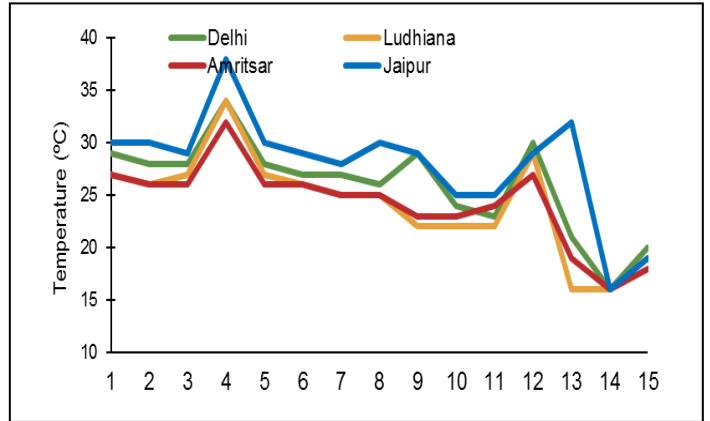
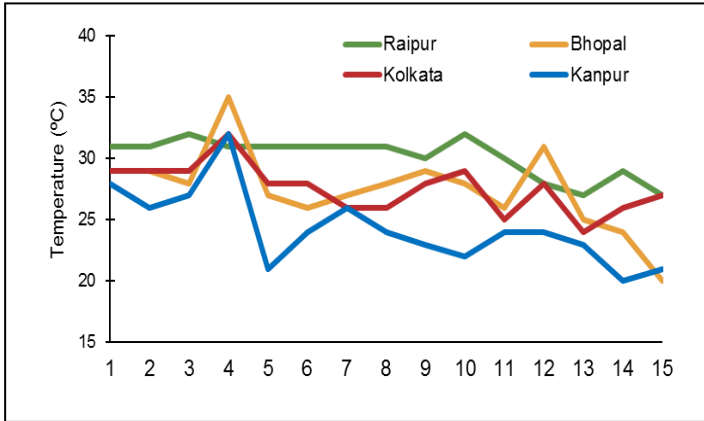
The state of Odisha has fairly good potential for solar power generation with 280-300 days of sunshine in a year and Global Horizontal Irradiance of about 4.5-5.0 kWh/m<sup>2</sup>/day.

This guidelines does not make consumers eligible for REC's. This may be due to the fact that solar tariffs are on the decline whereas the state retail tariffs are increasing year-on-year.



Forecasted High Temperatures for Major Cities (01 December- 15 December 2014)

Source: AccuWeather



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