

POWER BULLETIN

Volume 97 | December 2016 Edition II

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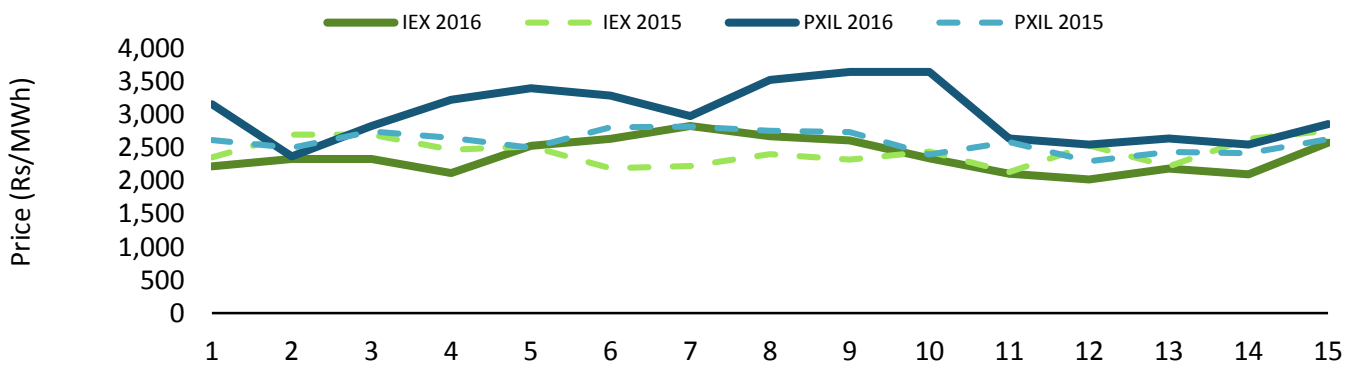
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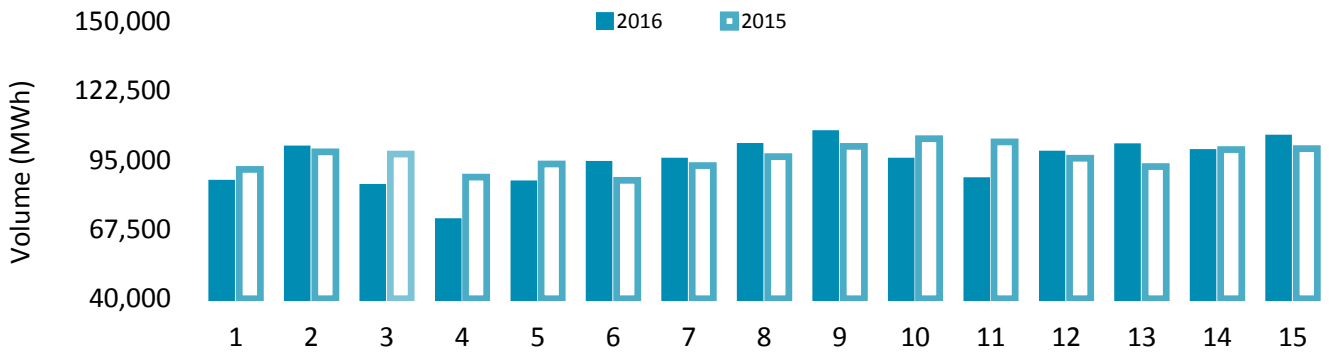
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Exchange-based Power Trading

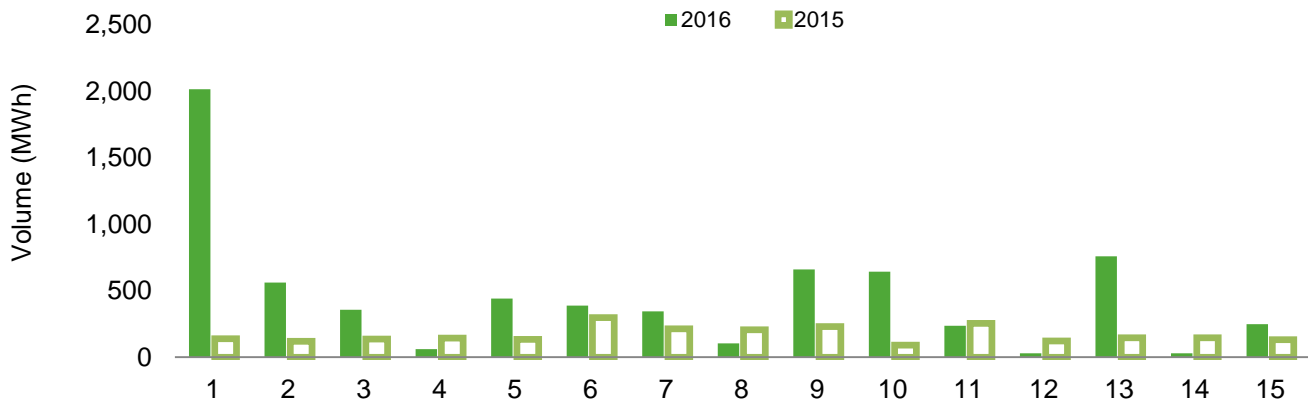
Year-on-year price comparison of power traded on IEX and PXIL (01 – 15 December)



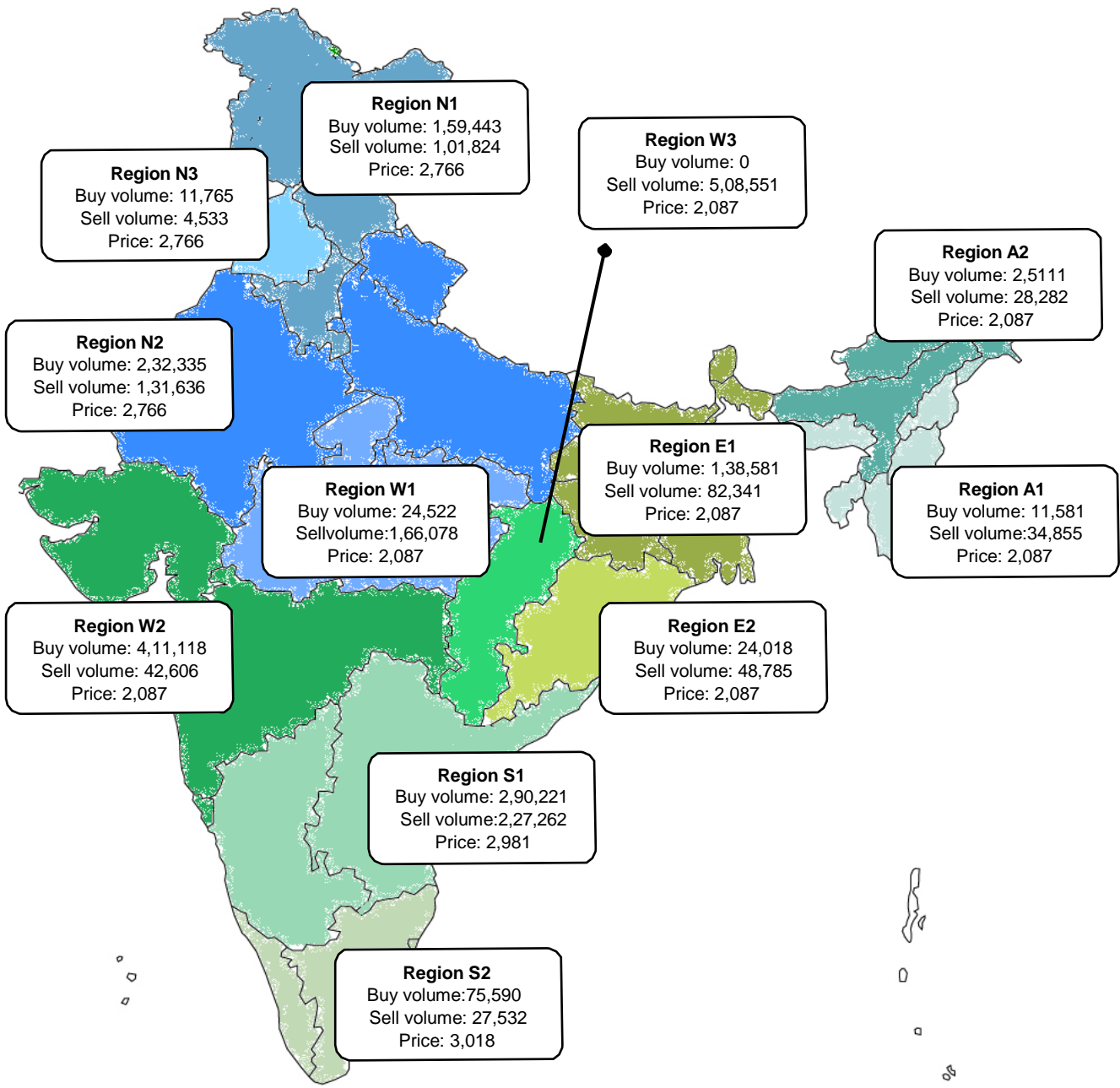
Year-on-year volume comparison of power traded on IEX (01 – 15 December)



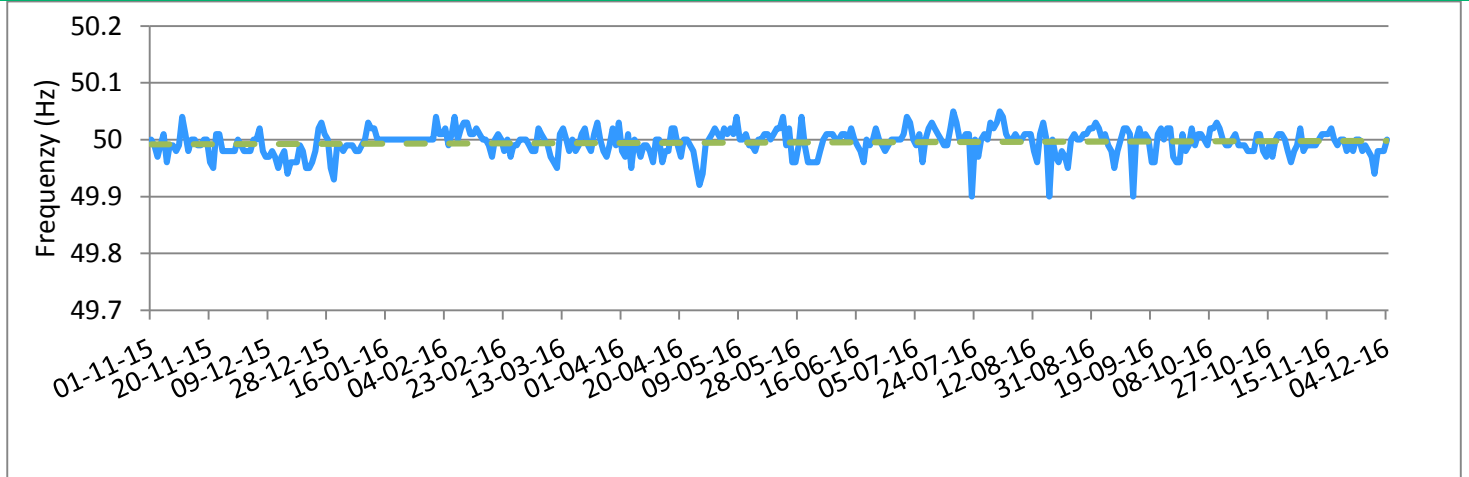
Year-on-year volume comparison of power traded on PXIL (01 – 15 December)



Area-wise Average Power Trading Data from IEX (01 – 15 December 2016)



Average Daily Frequency of Indian Power Grid

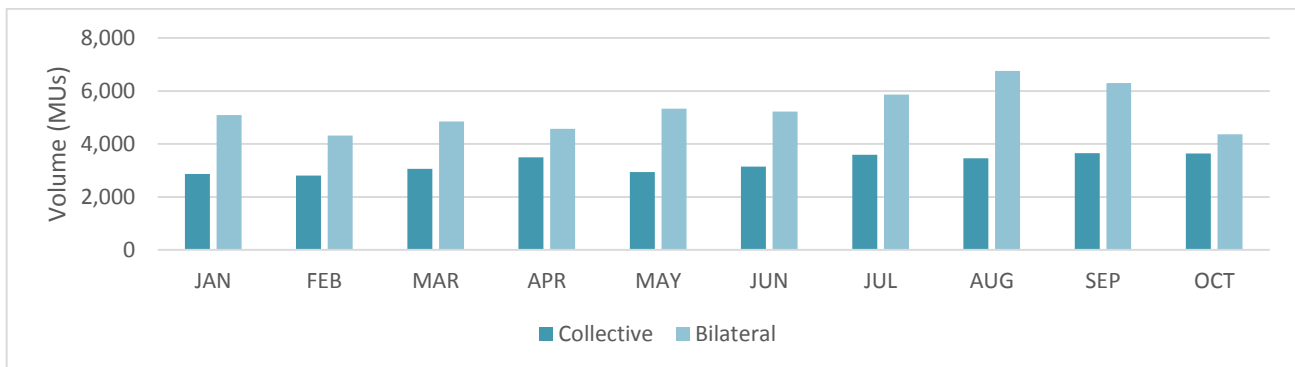


Short Term Open Access

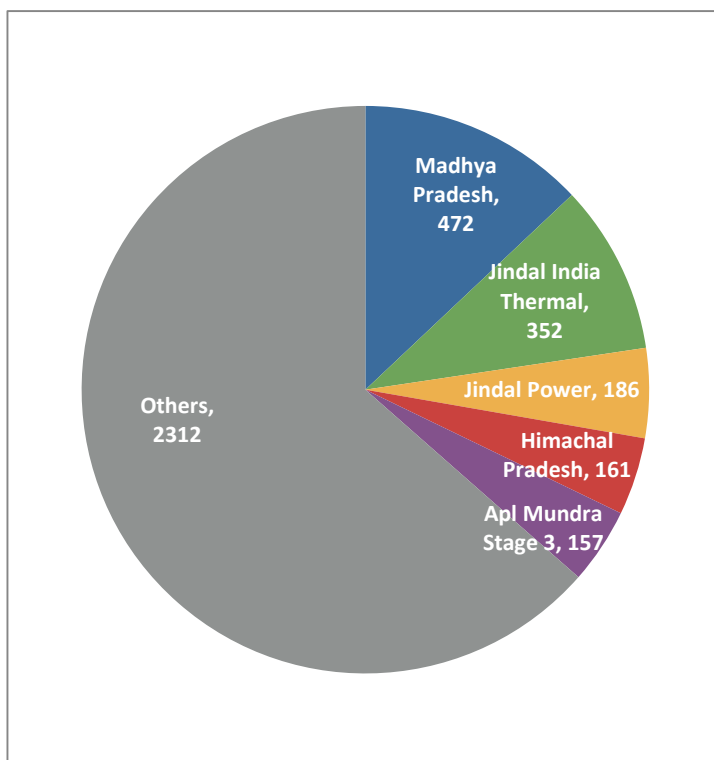
Approved Bilateral Short Term Open Access (in million kWh)

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

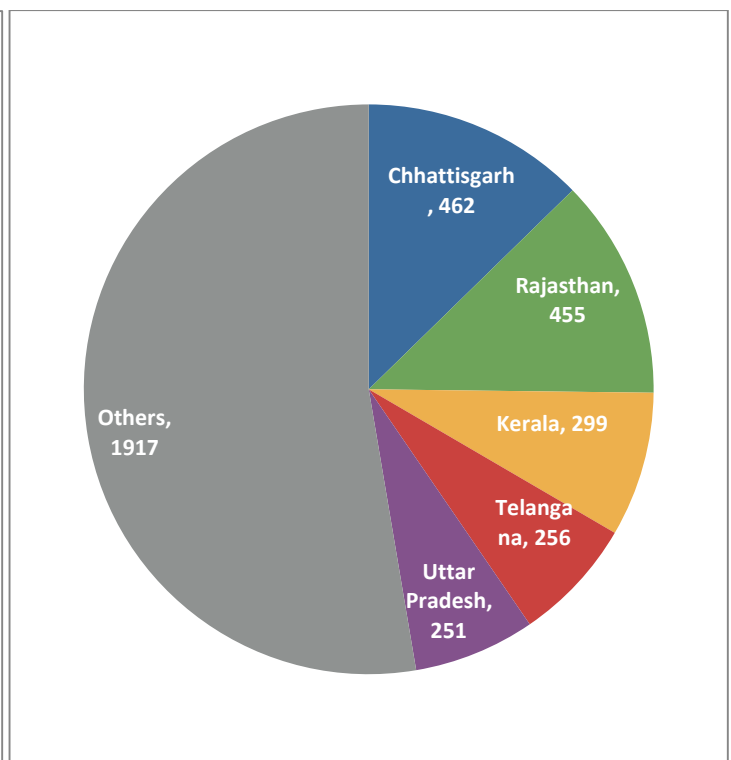
Approved Bilateral & Collective STOAs (million kWh) FY 2015-16 and FY 2016-17



Major Sellers at Exchanges in October' 2016 (MUs)



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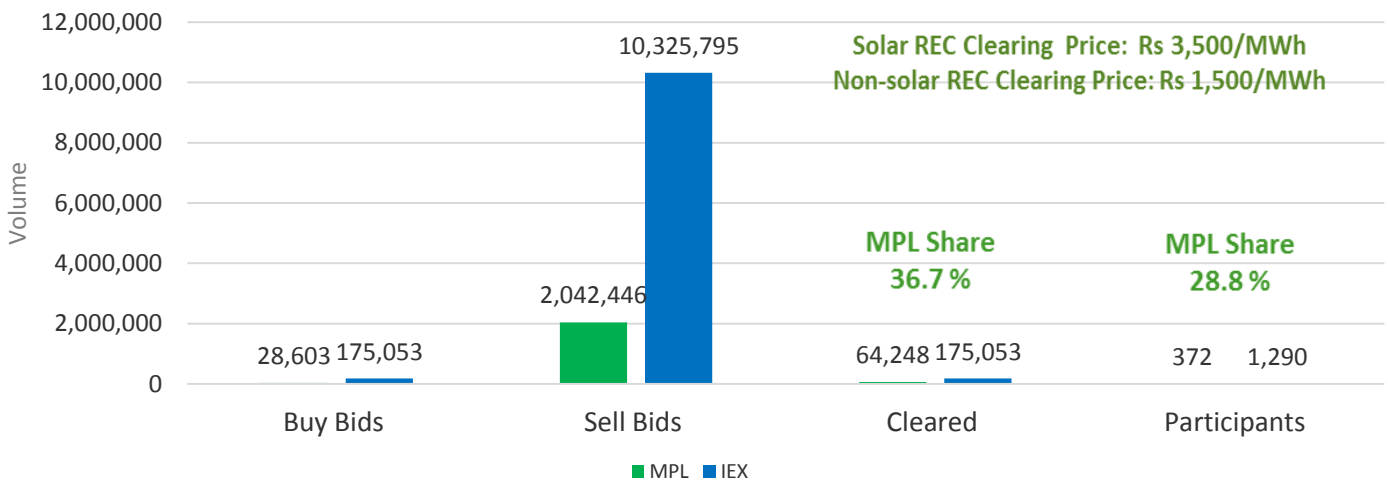


Storage status of important reservoirs (As on 15 December 2016)

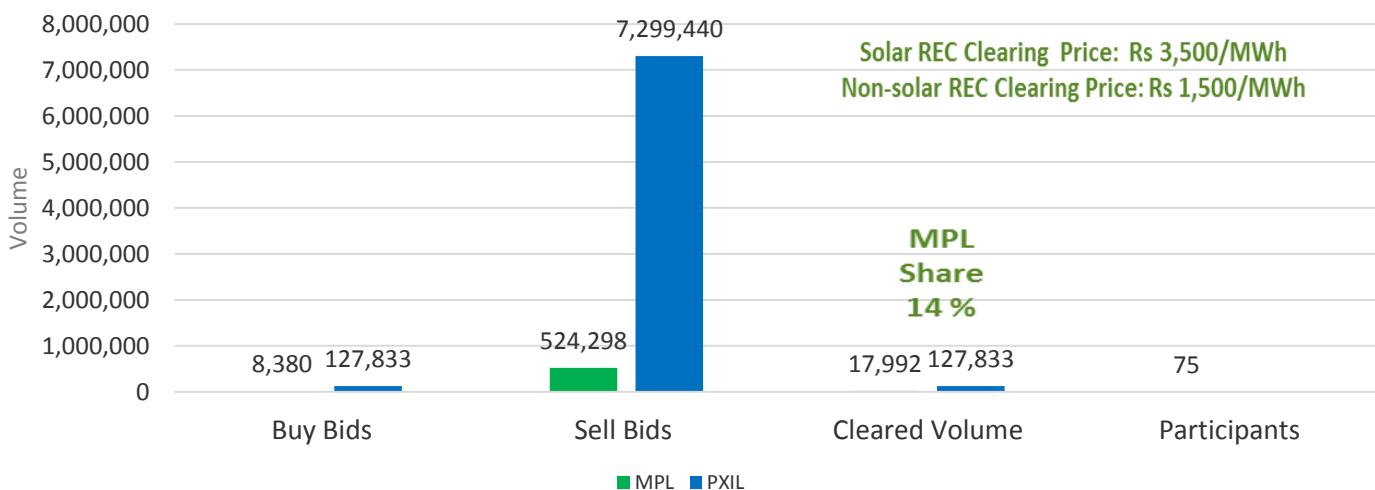
| Region – No. of reservoirs | Filing position w.r.t. FRL | | | | | | | |
|--|----------------------------|--------|--------|--------|--------|--------|--------|-------|
| | 100% | 91-99% | 81-90% | 71-80% | 61-70% | 51-60% | 41-50% | < 40% |
| North (HP, Punjab, Rajasthan) – 6 | - | 1 | 1 | - | - | - | 4 | - |
| East (Jharkhand, Odisha, Tripura, West Bengal) – 15 | 4 | 1 | 3 | 3 | 1 | 1 | 1 | 1 |
| West (Maharashtra, Gujarat) – 27 | 1 | 4 | 5 | 7 | 2 | 3 | 1 | 4 |
| Central (MP, UP, Uttarakhand, Chhattisgarh) – 12 | - | 1 | 3 | 4 | 2 | 1 | 1 | - |
| South (Karnataka, TN, AP, Kerala) – 31 | - | 2 | 1 | - | 1 | 6 | 2 | 20 |

Summary of REC Trading & MPL share – 30th November 2016

Summary REC trading on IEX



Summary REC trading on PXIL



News Updates

Spot Power to get costly as Regulator proposes hike in transmission charges

CERC has proposed to increase the transmission charges by 1.35 times

Jharkhand close to signing PPAs for 1.1 GW of solar power after delay

These solar projects were stalled due to differences between the state Discoms and developers over the quoted tariff

Infosys produces solar power at 2.85kWhr, plans expansion

The company has 6.6 MW ground mounted solar capacity at its Hyderabad facility

PXIL successfully conducts 69th REC Session in the month of November, 2016

The total cleared volume on the exchange was 127833 RECs

NTPC to set up first wind power plant in Gujarat

Wind energy 50 MW project is to be set up at Rojmal in Gujarat at a cost of Rs 323.35 crore

Singareni begins commercial operation of 600 mw unit 2 of thermal power project

It will help Telangana Transco to bridge the demand supply gap

5791.54 MU Electricity generated by Cumulative Solar Installations till September 2016

Government has taken several projects for the development of Green Energy corridors in eight states

GE Power India net loss doubles to Rs 97 cr in Jul-Sept quarter

Total income from operations decreased to Rs 496.22 crore in the quarter as compared to Rs 543.85 crore a year ago

Spot power rate dips over 5% to Rs 2.32/unit in November

The market remained buyer friendly with the average daily purchase bid of 132 MUs and average daily sell bid of 245 MUs

Guidelines issued for cross-border electricity transactions (BS)

Participating entity will be eligible for cross border trading on Indian power exchanges in term-ahead, intra-day & contingency contracts

Metro to run on solar power by 2017: DMRC chief (EQ)

The Delhi Metro has about 7.2 MW of installed solar rooftop capacity but for the overall operations 250 MW additional power will be required

Adani Transmission to buy RInfras Western assets for 1,000 cr

There will be a 100 % acquisition of WRSSS transmission assets and 74 % in PKTCL

CRISIL downgrades outlook for TN-govt owned Power units to 'negative'

RD/revenue receipts ratio has gradually increased to more than 10% in fiscal 2017

Govt to tender 1 gigawatt of solar rooftop capacity in December

India aims 40 GW of its solar targets to be fulfilled from rooftop installations

IL&FS Engg emerges lowest bidder for Jharkhand rural electrification works

IL&FS has emerged as the lowest bidder for rural electrification works of JBVNL worth Rs. 225 crore

SC order takes away Rs 1,050 cr earnings from RPower's Sasan UMPP

The case was filed by the states that procure power from Sasan UMPP

Anil Ambanis Reliance Infra sells transmission assets to Adani

Reliance Infrastructure has signed a SPA with Adani Transmission for the sale of 100% of its Western Region System Strengthening Scheme Transmission Assets

Railways plans 1,000 MW solar power

The Vision 2020 document of the Railways envisages to utilise at least 10 % of its energy requirement from renewable sources

SECI floats tender for grid-linked 1GW rooftop solar

The tender will especially target at utilising the numerous buildings of the central government ministries/departments

Coal fired power plants see an 8% fall in capacity utilisation

CUF of thermal power plants dipped to 60% in October from 67.83% in April this year

Govt committed to bring power to all households by 2019: Piyush Goyal

Government has assured of electricity to every house by 2022 but it can be achieved in 2019

For solar panel makers, low tariffs no cause for cheer

India has close to 9 GW of solar power capacity and domestic manufacturing capacity of about 6 GW of modules

PTC to infuse Rs 600 cr into energy arm, eyes 300 MW green power

PTC Energy has commissioned wind power projects of 30 MW & 20 MW at Ratlam & Mandsaur respectively in M.P

Energy efficiency steps help save 7k MUs of power in 2015-16 (PTI)

Country saved 7,378 million units of electricity worth Rs 4,866 crore through various energy efficiency measures taken during 2015-16

Petition Updates

TANGEDCO wins approval from TNERC to launch short-term tender

Recently TANGEDCO floated a tender for 350 MW RTC with 500 MW for peak period from 1800 hr to 2300 hr (No.TANGEDCO/SHORT/PP 8-2016) for the period from 1st February 2017 to 15th March 2017.

Before floating this tender they had filled a petition in TNERC, stating that their available power based on various assumptions will not be able to fulfil the forecasted demand for the above time period.

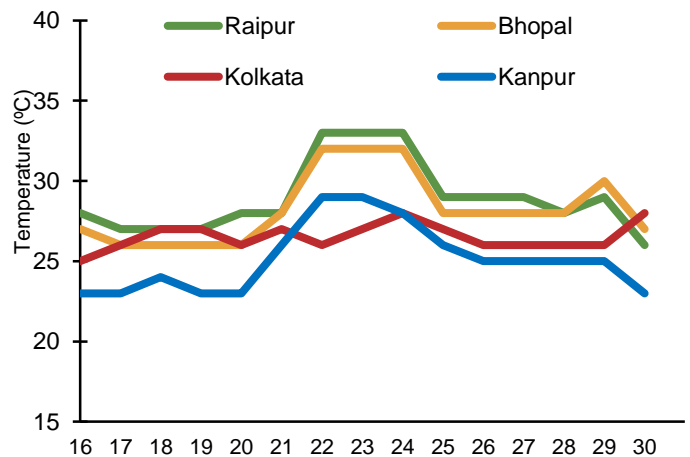
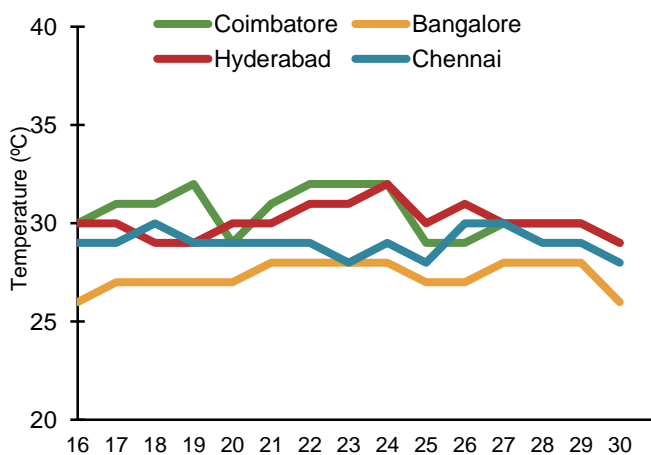
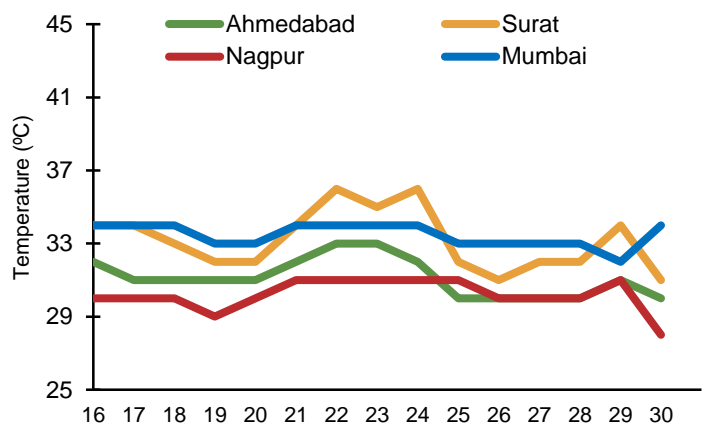
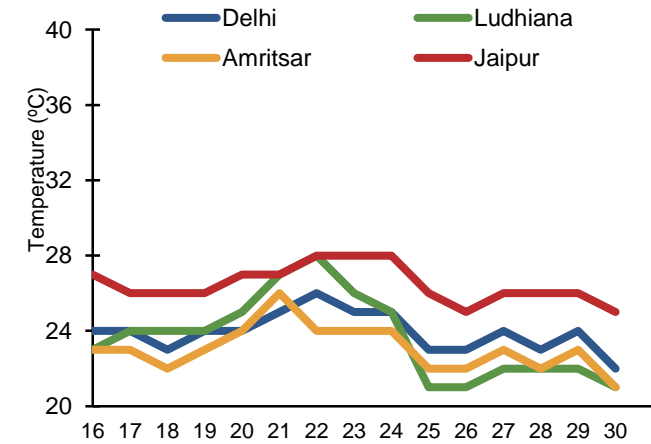
Points

- Net power availability based on utilisation of only low-cost IPPs
- Present Hydro storage is 42% less than the last year
- 810 MW thermal power units outage
- Wind generation will be meagre from January to march
- Kudankulam unit 1 is planned for overhaul for 60 days from end of December
- Out of 3330 MW long-term contracted capacity, there is a short supply of 350 MW from KSK Mahanadi and Jindal.

The procurement will be done through DEEP e-bidding portal.

Forecasted High Temperatures for Major Cities (16- 31 December 2016)

Source:AccuWeather



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