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Abbreviations

Abbreviation Expanded Version

ACBIL ACB (India) Limited

ACP Area Clearing Price

ACV Area Clearing Volume

AD HYDRO AD Hydro Power Limited

BALCO Bharat Aluminum Company Limited

CEA Central Electricity Authority

CERC Central Electricity Regulatory Commission

CGPL Coastal Gujarat Power Limited

CHUZACHEN HEP Chuzachen Hydro electric power project

COASTGEN Coastal Energen Private Limited
DAGACHU Dagachhu Hydro Power Corporation

DB POWER Diligent Power Pvt. Ltd.

DCPP Donga Mahua Captive Power Plant

DGEN MEGA POWER DGEN Mega Power Project
DHARIWAL POWER Dhariwal Power Station

DSM Deviation Settlement Mechanism
DVC Damodar Valley Corporation

EMCO Emcry Limited
ESSAR POWER Essar Power Limited
ESSAR STEEL

ESSAR STEEL Essar Steel Ltd
GMR CHHATTISGARH GMR Chhattisga

GMR CHHATTISGARH
GMR KAMALANGA
GMR Kamalanga Energy Ltd.
IEX
Indian Energy Exchange Limited

J&K Jammu & Kashmir

JAYPEE NIGRIE Jaypee Nigrie Super Thermal Power Project

JINDAL POWER Jindal Power Limited
JINDAL STAGE-II Jindal Power Ltd Stage II

JITPL Jindal India Thermal Power Ltd.

KARCHAM WANGTOO Jaypee Karcham Hydro Corporation Limited

KORBA WEST POWER Korba West Power Company Limited

KSK MAHANADI KSK Mahanadi Power Ltd

LANCO BUDHIL Lanco Budhil Hydro Power Private Limited
LANCO AMK Lanco Amarkantak Power Private Limited
LANCO KONDAPALLY Lanco Kondapally Power Private Limited

MAITHON Maithon Power Limited
MALANA Malana Hydroelectric Plant

MEENAKSHI Meenakshi Energy Private Limited

MP Madhya Pradesh

MUS Million Units

NEEPCO STATIONS

North Eastern Electric Power Corporation Limited. Stations

NHPC STATIONS

National Hydro Electric Power Corporation Ltd. Stations

NJPC Nathpa Jhakri Hydroelectric Power Station

NLDC National Load Despatch Centre

NSPCL NTPC - SAIL Power Company Private Limited

ONGC PALATANA Oil and Natural Gas Corporation, Palatana

OTC Over The Counter PX Power Exchange

PXIL Power Exchange India Limited
RANGIT HEP Rangit Hydro electric power project

REC Renewable Energy Certificate

RGPPL Ratnagiri Gas and Power Private Limited

RLDC Regional Load Despatch Centre

RTC Round - the- Clock
SHREE CEMENT Shree Cement Limited

SIMHAPURI Simhapuri Energy Private Limited

STERLITE Sterlite Energy Limited

TEESTA HEP Teesta Hydro electric power project

THERMAL POWERTECH Thermal Powertech Corporation India Limited

UT Union Territory

VANDANA VIDYUT Vandana Vidyut Limited

Introduction

A well-functioning electricity market requires an effective market monitoring process. As part of the market monitoring process, the monthly report on short-term transactions of electricity, is being prepared and posted on the website of CERC since August 2008. Here, "short-term transactions of electricity" refers to the contracts of less than one year period, for electricity transacted (inter-State & intra-State) through inter-State Trading Licensees and directly by the Distribution Licensees, Power Exchanges (Indian Energy Exchange Ltd (IEX) and Power Exchange India Ltd (PXIL)), and Deviation Settlement Mechanism (DSM). The objectives of the report are: (i) to observe the trends in volume and price of the short-term transactions of electricity; (ii) to analyse competition among the market players; (iii) to analyse effect of congestion on volume of electricity transacted through power exchanges; (iv) to analyse bilateral contracts executed by traders; (v) to provide information on volume and price of Renewable Energy Certificates (RECs) transacted through power exchanges; and (vi) to disclose/disseminate all relevant market information. The analysis of the report for the month of June, 2015 is as under:

I: Volume of Short-term Transactions of Electricity

During June 2015, total electricity generation excluding generation from renewable and captive power plants in India was 88858.89 MUs (Table-1).

Of the total electricity generation, 10088.57 MUs (11.35%) were transacted through short-term, comprising of 5794.65 MUs (6.52%) through bilateral (through traders and termahead contracts on power exchanges and directly between distribution companies), followed by 2468.27 MUs (2.78%) through day ahead collective transactions on power exchanges (IEX and PXIL) and 1825.65 MUs (2.05%) through DSM (Table-1 & Figure-2).

Of the total short-term transactions, bilateral constitutes 57.44% (33.94% through traders and term-ahead contracts on power exchanges and 23.50% directly between distribution companies) followed by 24.47 % through day ahead collective transactions on power exchanges and 18.10% through DSM (Table-1& Figure-1). Daily volume of short-term transactions is shown in Table-17 & Figure-3.

The percentage share of electricity traded by each trading licensee in the total volume of electricity traded by all the trading licensees is provided in Table-2 & Figure-4. The volume of electricity transacted by the trading licensees includes bilateral transactions and the transactions undertaken through power exchanges. There were 47 trading licensees as on 31.06.2015. In June 2015, 19 trading licensees were engaged in trading. Top 5 trading licensees had a share of 71.66 % in the total volume traded by all the licensees. These are PTC India Ltd., Tata Power Trading Company (P) Ltd., Mittal Processors (P) Ltd., GMR Energy Trading Limited and JSW Power Trading Company Ltd.

Herfindahl-Hirschman Index (HHI) has been used for measuring the competition among the trading licensees. Increase in the HHI generally indicates a decrease in competition and an increase of market concentration, and vice versa. The HHI below 0.15 indicates non-concentration, HHI between 0.15 to 0.25 indicates moderate concentration and HHI above 0.25 indicates high concentration. The HHI has been computed based on the volume of electricity traded (inter-State & intra-State) by inter-State trading licensees, and it was 0.1473 for the month of June 2015, which indicates non-concentration of market power (Table-2).

The volume of electricity transacted through IEX and PXIL in the day ahead market was 2443.98 MUs and 24.28 MUs respectively. The volume of total buy bids and sale bids was 3115.55 MUs and 4639.77 MUs respectively in IEX while the same was 49.52 MUs and 59.03 MUs respectively in PXIL. The gap between the volume of buy bids and sale bids placed through power exchanges shows that there was less demand in both IEX (0.67 times) and PXIL (0.84 times) when compared with the supply bids offered through these exchanges.

The volume of electricity transacted through IEX and PXIL in the term-ahead market was 22.63 MUs and 9.77 MUs respectively (Table-6 & Table-7).

II: Price of Short-term Transactions of Electricity

(i) *Price of electricity transacted through Traders:* The minimum, maximum and weighted average sale prices have been computed for the electricity transacted through traders and the sale prices were ₹2.29/kWh, ₹7.99/kWh and ₹3.90/kWh respectively (Table-3). The weighted average sale prices were also computed for the transactions during Round

the Clock (RTC), Peak, and Off-Peak periods separately, and the sale prices were ₹3.98/kWh, ₹3.91/kWh and ₹3.54/kWh respectively (Table-4).

(ii) *Price of electricity transacted Through Power Exchanges:* The minimum, maximum and weighted average prices have been computed for the electricity transacted through IEX and PXIL separately. The minimum, maximum and weighted average prices were ₹0.50/kWh, ₹17.50/kWh and ₹2.72/kWh respectively in IEX and ₹0.36/kWh, ₹6.51/kWh and ₹2.77/kWh respectively in PXIL (Table-5).

The price of electricity transacted through IEX and PXIL in the term-ahead market was ₹3.59/kWh and ₹2.28/kWh respectively (Table-6 and Table-7).

(iii) *Price of electricity transacted through DSM:* The average deviation price was ₹1.62/kWh for all India grid. The minimum and maximum deviation prices were ₹0.00/kWh and ₹8.24/kWh respectively in the all India grid (Table-8).

The prices of electricity transacted through trading licensees, power exchanges and DSM and their comparison is shown in Table-18 & 19, Figure-5 & 6.

III: Volume of Short-term Transactions of Electricity (Regional Entity¹-Wise)

Of the total bilateral transactions, top 5 regional entities sold 39.55% of the volume, and these were Himachal Pradesh, Rajasthan, Sterlite Energy Limited, Thermal Powertech Corporation India Limited and Jammu & Kashmir. Top 5 regional entities purchased 58.05% of the volume, and these were Telangana, Haryana, Uttar Pradesh, Punjab and Andhra Pradesh (Table-9 & 10).

Of the total power exchange transactions, top 5 regional entities sold 34.98 % of the volume, and these were Himachal Pradesh, Jindal India Thermal Power Limited, Jaypee Karcham Hydro Corporation Limited, Madhya Pradesh and Gujarat. Top 5 regional entities purchased 52.66% of the volume, and these were Rajasthan, Gujarat, Essar Steel Limited, West Bengal and Haryana (Table-11 & 12).

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¹ In case of a state, the entities which are "selling" also include generators connected to state grid and the entities which are "buying" also include open access consumers.

Of the total DSM transactions, top 5 regional entities underdrew/exported 36.72% of the volume, and these were Uttar Pradesh, Gujarat, Maharashtra, Tamil Nadu and Punjab (Table-13). Top 5 regional entities overdrew/imported 28.49% of the volume, and these were Haryana, Maharashtra, Punjab, Uttar Pradesh and Rajasthan (Table-14).

Regional entity-wise total volume of net short-term transactions of electricity i.e. volume of net transactions through bilateral, power exchanges and DSM is shown in Table-15 & 19. Top 5 electricity selling regional entities were Himachal Pradesh, Sterlite Energy Limited, Thermal Powertech Corporation India Limited, Jaypee Karcham Hydro Corporation Limited and Jindal India Thermal Power Limited. Top 5 electricity purchasing regional entities were Telangana, Haryana, Punjab, Andhra Pradesh and Uttar Pradesh.

IV: Congestion² on Inter-State Transmission Corridor for Day-Ahead Market on Power Exchanges

Power Exchanges use a price discovery mechanism in which the aggregate demand and supply are matched to arrive at an unconstrained market price and volume. This step assumes that there is no congestion in the inter-State transmission system between different regions. However, in reality, the system operator (NLDC) in coordination with RLDCs, limits the flow (due to congestion) in the inter-State transmission system. In such a situation, power exchanges adopt a mechanism called "Market Splitting"³.

In the month of June 2015, congestion occurred in both the power exchanges. The details of congestion are shown in Table-16. The volume of electricity that could not be cleared due to congestion and could not be transacted through power exchanges is the

³" Market Splitting" is a mechanism adopted by Power Exchange where the market is split in the event of transmission congestion, into predetermined (by NLDC) bid areas or zones, which are cleared individually at their respective area prices such that the energy balance in every bid area is reached based upon the demand and supply in individual bid areas and using the available transmission corridor capacity between various bid areas simultaneously"

² "Congestion" means a situation where the demand for transmission capacity exceeds the available transfer capability

As a result of this market splitting the price of electricity in the importing region, where demand for electricity is more than supply, becomes relatively higher than the price of electricity in the exporting region.

difference between unconstrained cleared volume (volume of electricity that would have been scheduled, had there been no congestion) and actual cleared volume.

During the month, the volume of electricity that could not be cleared in IEX and PXIL due to congestion was 10.69% and 12.78% of the unconstrained cleared volume respectively. In terms of time, congestion occurred was 91.87% in IEX and 77.92% in PXIL (Table-16).

V: Analysis of Bilateral Contracts executed by Traders in July 2015⁴

(i) *Duration of bilateral contracts:* During July, 2015, a total of 107 bilateral contracts (excluding banking/swap contracts) have been executed by traders for the volume of 3579.70 MUs. Figure-7 shows the percentage of contracts categorized according to the period of power supply. It can be observed from the figure that 51% of the contracts were executed for a duration of up to one week and 49% of the contracts executed for a duration of more than a week and upto one month.

During the month, 32 banking/swapping bilateral contracts were also executed for the volume of 1437.83 MUs.

(ii) Forward Curve based on price of bilateral contracts: A forward curve reflects present day's expectation of prices for a future period. The forward curve of electricity prices are based on sale prices of bilateral contracts executed by traders. The price of each contract for each day is taken into consideration while constructing the forward curve. On the basis of these prices, the weighted average price for each day is calculated using various sale prices of contracts for delivery on that particular day.

Figure-8 represents the forward curve of electricity sale prices for the period from July, 2015 to May, 2016 based on bilateral contracts⁵ executed till July, 2015. Forward curves have been drawn for the contracts executed in June 2015 and July, 2015 for the purpose of comparison. It is observed that the forward prices from July, 2015 to October, 2015 were lower for the contracts executed in July, 2015 when compared to the contracts executed in

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⁴'Monthly OTC(Electricity Traders) report' based on analysis of weekly reports has been discontinued and Analysis of Bilateral Contracts is being presented in this report hereinafter.

⁵Excluding Banking/Swapping contracts

June, 2015. However, the forward prices during the period from November, 2015 onwards remained same for the contracts executed in June, 2015 and July, 2015.

VI: Volume and Price of Renewable Energy Certificates (RECs)

The concept of Renewable Energy Certificates (RECs) seeks to address mismatch between availability of renewable energy and the requirement of the obligated entities to meet their renewable purchase obligation by purchasing green attributes of renewable energy remotely located in the form of RECs. The REC mechanism is a market based instrument, to promote renewable sources of energy and development of electricity market.

One REC is equivalent to 1 MWh electricity injected into the grid from renewable energy sources. The REC is exchanged only in the power exchanges approved by CERC within the band of a floor price and forbearance (ceiling) price as notified by CERC from time to time. The first REC trading session was held on power exchanges in March, 2011.

The details of REC transactions for the month of June, 2015 are shown in Table-20. The market clearing volume of solar RECs transacted on IEX and PXIL were 22682 and 966 respectively and the market clearing price of these RECs was ₹3500/MWh on both the power exchanges. Market clearing volume of non-solar RECs transacted on IEX and PXIL were 128180 and 33665 respectively and the market clearing price of these RECs was ₹1500/MWh on both the power exchanges.

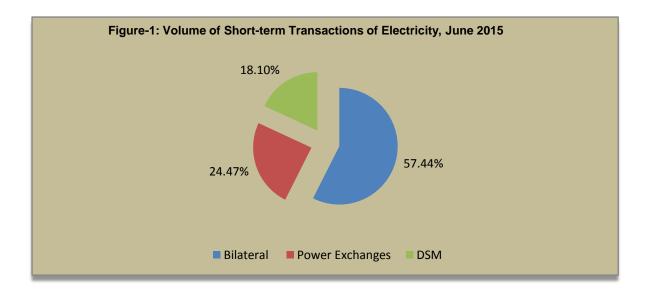
The gap between the volume of buy and sell bids of RECs placed through power exchanges shows that there was less demand for solar RECs and non-solar RECs. For Solar RECs, the ratio of buy bids to sell bids was 0.01 and 0.002 for IEX and PXIL respectively. For non-solar RECs, the ratio of buy bids to sell bids was 0.02 for IEX and 0.01 for PXIL.

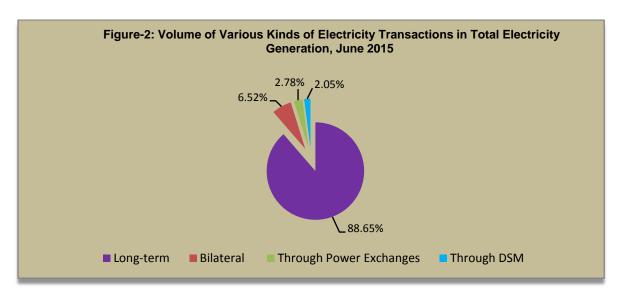
VII: Inferences:

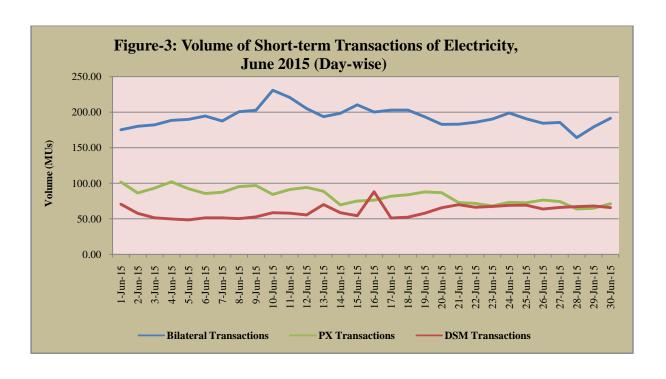
- The percentage of short-term transactions of electricity to total electricity generation was 11.35 %.
- Of the total short-term transactions of electricity, 57.44% was transacted through bilateral (through traders and term ahead contracts on power exchanges and directly by distribution companies), followed by 24.47% through power exchanges and 18.10% through DSM.
- Top 5 trading licensees had a share of 71.66% in the total volume traded by all the trading licensees.
- The Herfindahl Hirschman Index computed for the volume of electricity traded by trading licensees was 0.1473, indicating moderate concentration of market power.
- The weighted average price of electricity transacted through trading licensees was ₹3.90/kWh. The weighted average prices of electricity transacted through IEX and PXIL were ₹2.72/kWh and ₹2.77/kWh respectively.
- The average price of electricity transacted through DSM was ₹1.62/kWh
- The gap between the volume of buy bids and sale bids placed through power exchanges indicates that there was less demand in both IEX (1.0: 0.67) and PXIL (1.0: 0.84) when compared with the supply bids offered through these exchanges.
- Top 5 electricity selling regional entities were Himachal Pradesh, Sterlite Energy Limited, Thermal Powertech Corporation India Limited, Jaypee Karcham Hydro Corporation Limited and Jindal India Thermal Power Limited. Top 5 electricity purchasing regional entities were Telangana, Haryana, Punjab, Andhra Pradesh and Uttar Pradesh.
- The volume of electricity that could not be cleared due to congestion was 10.69% and 12.78 % of the unconstrained cleared volume for IEX and PXIL, respectively. In terms of time, congestion occurred for 91.87% of the time in IEX and 77.92% of the time in PXIL.

- In July 2015, 51% of the bilateral contracts were executed for a duration of up to one week, and 49% of the contracts were executed for a duration of more than a week and upto one month.
- The forward prices from July, 2015 to October, 2015 were lower for the contracts executed in July, 2015 when compared to the contracts executed in June, 2015 However, the forward prices during the period from November, 2015 onwards remained the same for the contracts executed in June, 2015 and July, 2015.
- The market clearing volume of Solar RECs transacted on IEX and PXIL were 22682 and 966 respectively and the market clearing price of these RECs was ₹3500/MWh on both the power exchanges. Market clearing volume of Non-Solar RECs transacted on IEX and PXIL were 128180 and 33665 respectively and the market clearing price of these RECs was ₹1500/MWh on both the power exchanges.

| Table- | Table-1: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (ALL INDIA), JUNE 2015 | | | | |
|--------------|--|-----------------|-------------------------------------|--------------------------|--|
| Sr.No | Short-term transactions | Volume (MUs) | % of short- term transactions | % of Total Generation | |
| 1 | Bilateral | 5794.65 | 57.44 | 6.52 | |
| | (i) Through Traders and PXs | 3424.25 | 33.94 | 3.85 | |
| | (ii) Direct | 2370.40 | 23.50 | 2.67 | |
| 2 | Through Power Exchanges | 2468.27 | 24.47 | 2.78 | |
| | (i) IEX | 2443.98 | 24.23 | 2.75 | |
| | (ii) PXIL | 24.28 | 0.24 | 0.03 | |
| 3 | Through DSM | 1825.65 | 18.10 | 2.05 | |
| | Total | 10088.57 | 100.00 | 11.35 | |
| | Total Generation | 88858.89 | _ | _ | |
| Source: NLDC | | | | | |





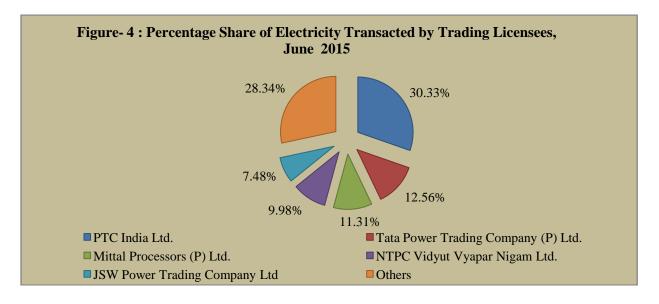


| Tab | Table-2: PERCENTAGE SHARE OF ELECTRICITY TRANSACTED BY TRADING LICENSEES, JUNE 2015 | | | | |
|--------|---|---|-----------------------------------|--|--|
| Sr. No | Name of the Trading Licensee | % Share in total Volume transacted by Trading Licensees | Herfindahl- Hirschman Index | | |
| 1 | PTC India Ltd. | 30.33 | 0.0920 | | |
| 2 | Tata Power Trading Company (P) Ltd. | 12.56 | 0.0158 | | |
| 3 | Mittal Processors (P) Ltd. | 11.31 | 0.0128 | | |
| 4 | GMR Energy Trading Ltd. | 9.98 | 0.0100 | | |
| 5 | JSW Power Trading Company Ltd | 7.48 | 0.0056 | | |
| 6 | Manikaran Power Ltd. | 7.40 | 0.0055 | | |
| 7 | NTPC Vidyut Vyapar Nigam Ltd. | 3.73 | 0.0014 | | |
| 8 | Shree Cement Ltd. | 3.53 | 0.0012 | | |
| 9 | Adani Enterprises Ltd. | 3.34 | 0.0011 | | |
| 10 | Knowledge Infrastructure Systems (P) Ltd | 3.05 | 0.0009 | | |
| 11 | Jaiprakash Associates Ltd. | 2.35 | 0.0006 | | |
| 12 | Instinct Infra & Power Ltd. | 1.22 | 0.0001 | | |
| 13 | Arunachal Pradesh Power Corporation (P) ltd | 0.90 | 0.0001 | | |
| 14 | National Energy Trading & Services Ltd. | 0.85 | 0.0001 | | |
| 15 | RPG Power Trading Company Ltd. | 0.77 | 0.0001 | | |
| 16 | SN Power Markets Pvt. Ltd. | 0.75 | 0.0001 | | |
| 17 | Customized Energy Solutions India (P) Ltd. | 0.19 | 0.0000 | | |
| 18 | My Home Power Private Ltd. | 0.18 | 0.0000 | | |
| 19 | Essar Electric Power Development Corp. Ltd. | 0.10 | 0.0000 | | |
| | TOTAL 100.00 0.1473 | | | | |
| | Top 5 trading licensees 71.66 | | | | |

Note 1: Volume of electricity transacted by the trading licensees includes bilateral transactions (inter-State & intra-State) and the transactions undertaken through power exchanges.

Note 2: Volume of electricity transacted by Global Energy Ltd is not included.

Source: Information submitted by trading licensees



| Table-3: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS JUNE,2015 | | | | |
|--|-----------------------------------|------|--|--|
| Sr.No | .No Sale Price of Traders (₹/kWh) | | | |
| 1 | Minimum | 2.29 | | |
| 2 | 2 Maximum 7.99 | | | |
| 3 | Weighted Average | 3.90 | | |

Source: Information submitted by trading licensees

| Table-4: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS (TIME-WISE) JUNE,2015 | | | |
|--|--|------|--|
| Sr.No | No Period of Trade Sale Price of Traders (₹/kWh) | | |
| 1 | RTC | 3.98 | |
| 2 | 2 PEAK 3.91 | | |
| 3 | OFF PEAK | 3.54 | |

Source: Information submitted by trading licensees

| Та | Table-5: PRICE OF ELECTRICITY TRANSACTED THROUGH POWER EXCHANGES JUNE,2015 | | | |
|-------|--|-------|------|--|
| Sr.No | D ACP Price in IEX (₹/kWh) Price in PXIL (₹/kWh) | | | |
| 1 | Minimum | 0.50 | 0.36 | |
| 2 | Maximum | 17.50 | 6.51 | |
| 3 | Weighted Average | 2.72 | 2.77 | |

Source: Information submitted by IEX and PXIL

| Ta | Table-6: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF IEX JUNE,2015 | | | | |
|-------|---|-------|------|--|--|
| Sr.No | Sr.No Term ahead contracts Actual Scheduled Weighted Average Volume (MUs) Price (₹/kWh) | | | | |
| 1 | Intra-Day Contracts | 15.02 | 3.53 | | |
| 2 | 2 Day Ahead Contingency Contracts 7.61 3.69 | | | | |
| | Total | 22.63 | 3.59 | | |

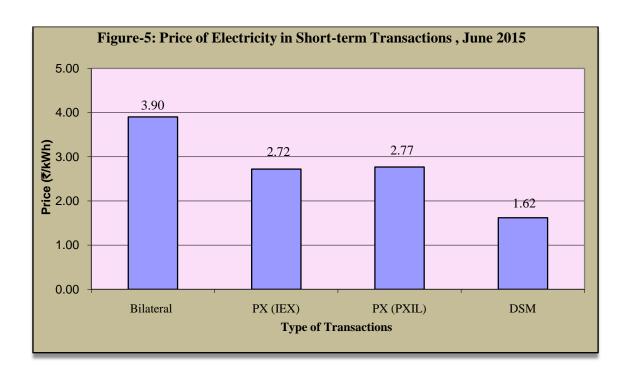
Source: IEX

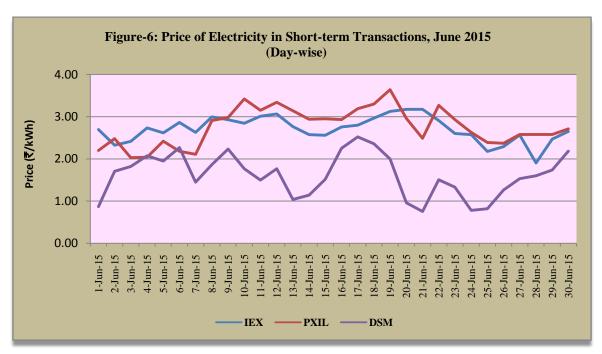
| Tab | Table-7: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF PXIL JUNE,2015 | | | |
|-------|---|-------------------------------|----------------------------------|--|
| Sr.No | Term ahead contracts | Actual Scheduled Volume (MUs) | Weighted Average Price (₹kWh) | |
| 1 | Intra-Day Contracts | 9.77 | 2.28 | |
| | Total | 9.77 | 2.28 | |

Source: PXIL

| Table-8: PRICE OF ELECTRICITY TRANSACTED THROUGH DSM JUNE,2015 | | | |
|--|---------------------------------|------|--|
| Sr.No | Price in All India Grid (₹/kWh) | | |
| 1 | Minimum | 0 | |
| 2 | Maximum | 8.24 | |
| 3 | Average | 1.62 | |

Source: NLDC





| Table-9: VOLUME OF ELECTRICITY SOLD THROUGH BILATERAL TRADE, JUNE 2015 | | | |
|--|----------------------|-------------|--|
| Name of the State/UT/Other Regional Entity | Volume of Sale (MUs) | % of Volume | |
| HIMACHAL PRADESH | 611.94 | 11.35 | |
| RAJASTHAN | 474.49 | 8.80 | |
| STERLITE | 387.66 | 7.19 | |
| THERMAL POWERTECH | 335.86 | 6.23 | |
| J&K | 322.85 | 5.99 | |
| COASTGEN | 303.10 | 5.62 | |
| GMR KAMALANGA | 255.38 | 4.74 | |
| KARCHAM WANGTOO | 241.85 | 4.48 | |
| DVC | 235.85 | 4.37 | |
| KARNATAKA | 235.39 | 4.36 | |
| SIMHAPURI | 234.10 | 4.34 | |
| GUJARAT | 233.56 | 4.33 | |
| JITPL | 209.01 | 3.88 | |
| MP | 177.24 | 3.29 | |
| LANKO KONDAPALLI | 164.05 | 3.04 | |
| JINDAL STAGE-II | 147.01 | 2.73 | |
| SHREE CEMENT | 123.85 | 2.30 | |
| JINDAL POWER | 95.89 | 1.78 | |
| ADHUNIK POWER LTD | 89.48 | 1.66 | |
| MEENAKSHI | 79.10 | 1.47 | |
| MAITHON POWER LTD | 76.17 | 1.41 | |
| ODISHA | 72.72 | 1.35 | |
| AD HYDRO | 68.08 | 1.26 | |
| MEGHALAYA | 45.53 | 0.84 | |
| EMCO | 36.92 | 0.68 | |
| DAGACHU | 33.68 | 0.62 | |
| KORBA WEST POWER | 28.59 | 0.53 | |
| CHHATTISGARH | 19.25 | 0.36 | |
| ANDHRA PRADESH | 17.64 | 0.33 | |
| ACBIL | 9.36 | 0.17 | |
| TELANGANA | 7.93 | 0.15 | |
| TRIPURA | 7.41 | 0.14 | |
| ASSAM | 3.76 | 0.07 | |
| DELHI | 2.83 | 0.05 | |
| MANIPUR | 2.59 | 0.05 | |
| HARYANA | 2.40 | 0.04 | |
| GOA | 0.14 | 0.00 | |
| ESSAR POWER | 0.07 | 0.00 | |
| DELHI | 2.83 | 0.05 | |
| Total | 5392.71 | 100.00 | |
| Volume of Sold by top 5 States | 2132.80 | 39.55 | |

Table-10: VOLUME OF ELECTRICITY PURCHASED THROUGH BILATERAL TRADE, **JUNE 2015** Name of the State/UT/Other Regional **Volume of Purchase (MUs)** % of Volume **Entity** TELANGANA 930.38 16.36 **HARYANA** 692.91 12.18 **UTTAR PRADESH** 585.11 10.29 **PUNJAB** 568.15 9.99 ANDHRA PRADESH 524.72 9.23 MAHARASHTRA 364.02 6.40 **GUJARAT** 336.40 5.92 **DELHI** 326.42 5.74 **WEST BENGAL** 319.54 5.62 TAMIL NADU 307.17 5.40 **BIHAR** 253.58 4.46 **JHARKHAND** 111.36 1.96 **RAJASTHAN** 86.55 1.52 KERALA 84.02 1.48 **ASSAM** 57.28 1.01 **UTTARAKHAND** 37.71 0.66 **ODISHA** 0.53 30.35 **MANIPUR** 0.50 28.58 CHHATTISGARH 24.48 0.43 **CHANDIGARH** 7.20 0.13 **ESSAR STEEL** 5.43 0.10 2.93 J & K 0.05 **KARNATAKA** 1.06 0.02 **GOA** 0.90 0.02 **MEGHALAYA** 0.44 0.01

5686.71 3301.27

Total

Volume of Purchase by top 5 States

100.00

58.05

| Table-11: VOLUME OF ELECTRICITY SOLD THROUGH POWER EXCHANGES, JUNE 2015 | | | |
|---|-------------------------|-------------|--|
| Name of the State/UT/Other Regional Entity | Volume of Sale (MUs) | % of Volume | |
| HIMACHAL PRADESH | 197.51 | 8.00 | |
| JITPL | 185.58 | 7.52 | |
| KARCHAM WANGTOO | 169.91 | 6.89 | |
| MP | 162.17 | 6.57 | |
| GUJARAT | 147.90 | 5.99 | |
| NHPC STATIONS | 100.90 | 4.09 | |
| HARYANA | 93.39 | 3.78 | |
| THERMAL POWERTECH | 87.21 | 3.53 | |
| DCPP | 86.01 | 3.49 | |
| KARNATAKA | 81.60 | 3.31 | |
| MAHARASHTRA | 76.19 | 3.09 | |
| CHHATTISGARH | 73.99 | 3.00 | |
| | 73.99 | 2.92 | |
| NJPC | | | |
| TELANGANA | 66.14 | 2.68 | |
| SHREE CEMENT | 62.36 | 2.53 | |
| JAYPEE NIGRIE | 61.49 | 2.49 | |
| STERLITE | 55.46 | 2.25 | |
| DELHI | 50.89 | 2.06 | |
| KORBA WEST POWER | 49.73 | 2.02 | |
| AD HYDRO | 48.52 | 1.97 | |
| SIKKIM | 48.14 | 1.95 | |
| JINDAL STAGE-II | 46.61 | 1.89 | |
| TRIPURA | 44.01 | 1.78 | |
| LANCO BUDHIL | 42.75 | 1.73 | |
| ACBIL | 41.25 | 1.67 | |
| SIMHAPURI | 36.40 | 1.48 | |
| RAJASTHAN | 35.48 | 1.44 | |
| J&K | 35.23 | 1.43 | |
| ODISHA | 27.53 | 1.12 | |
| MANIPUR | 22.22 | 0.90 | |
| CHUZACHEN HEP | 22.12 | 0.90 | |
| ASSAM | 17.08 | 0.69 | |
| MEGHALAYA | 1 | | |
| | 16.21 | 0.66 | |
| MB POWER | 15.13 | 0.61 | |
| WEST BENGAL | 13.59 | 0.55 | |
| ANDHRA PRADESH | 12.76 | 0.52 | |
| MIZORAM | 10.56 | 0.43 | |
| TEESTA HEP | 9.63 | 0.39 | |
| JINDAL POWER | 7.90 | 0.32 | |
| ARUNACHAL PRADESH | 7.68 | 0.31 | |
| MAITHON POWER LTD | 5.65 | 0.23 | |
| MALANA | 5.39 | 0.22 | |
| MEENAKSHI | 4.89 | 0.20 | |
| KERALA | 2.66 | 0.11 | |
| NAGALAND | 2.14 | 0.09 | |
| RANGIT HEP | 2.10 | 0.09 | |
| DVC | 1.71 | 0.07 | |
| LOKTAK | 1.06 | 0.04 | |
| EMCO | 0.66 | 0.03 | |
| CHANDIGARH | 0.32 | 0.01 | |
| GMR KAMALANGA | 0.32 | 0.01 | |
| Total | 2467.65 | 100.00 | |
| Volume of sale by top 5 Sellers | 863.07 | 34.98 | |
| volume of sale by top 5 Sellers | 003.07 | 34.30 | |

| Table-12: VOLUME OF ELECTRICITY PURCHASED THROUGH POWER EXCHANGES JUNE 2015 | | | | | | | | |
|---|--------------------------|-------------|--|--|--|--|--|--|
| Name of the State/UT/Other Regional Entity | Volume of Purchase (MUs) | % of Volume | | | | | | |
| RAJASTHAN | 511.15 | 20.71 | | | | | | |
| GUJARAT | 232.63 | 9.42 | | | | | | |
| ESSAR STEEL | 231.35 | 9.37 | | | | | | |
| WEST BENGAL | 180.47 | 7.31 | | | | | | |
| HARYANA | 144.12 | 5.84 | | | | | | |
| TELANGANA | 127.83 | 5.18 | | | | | | |
| PUNJAB | 125.71 | 5.09 | | | | | | |
| KARNATAKA | 124.99 | 5.06 | | | | | | |
| KERALA | 117.74 | 4.77 | | | | | | |
| DELHI | 94.07 | 3.81 | | | | | | |
| ANDHRA PRADESH | 88.20 | 3.57 | | | | | | |
| TAMIL NADU | 81.71 | 3.31 | | | | | | |
| BIHAR | 79.73 | 3.23 | | | | | | |
| UTTARAKHAND | 65.60 | 2.66 | | | | | | |
| MAHARASHTRA | 61.47 | 2.49 | | | | | | |
| MP | 56.18 | 2.28 | | | | | | |
| DAMAN AND DIU | 32.46 | 1.32 | | | | | | |
| BALCO | 28.14 | 1.14 | | | | | | |
| J&K | 25.60 | 1.04 | | | | | | |
| HIMACHAL PRADESH | 12.21 | 0.49 | | | | | | |
| CHHATTISGARH | 10.20 | 0.41 | | | | | | |
| ODISHA | 7.32 | 0.30 | | | | | | |
| ASSAM | 6.78 | 0.27 | | | | | | |
| MEGHALAYA | 6.69 | 0.27 | | | | | | |
| CHANDIGARH | 5.55 | 0.22 | | | | | | |
| GOA | 5.55 | 0.22 | | | | | | |
| NAGALAND | 4.43 | 0.18 | | | | | | |
| ARUNACHAL PRADESH | 0.37 | 0.02 | | | | | | |
| Total | 2468.27 | 100.00 | | | | | | |
| Volume of purchase by top 5 Buyers | 1299.73 | 52.66 | | | | | | |

| Table-13: VOLUME OF ELECTRICITY | Y EXPORTED THROUGH DSM, JUNE 2015 | | | | |
|--|-----------------------------------|-------------|--|--|--|
| Name of the State/UT/Other Regional Entity | Volume of Exports (MUs) | % of Volume | | | |
| UTTAR PRADESH | 121.63 | 8.47 | | | |
| GUJARAT | 118.40 | 8.25 | | | |
| MAHARASHTRA | 100.49 | 7.00 | | | |
| TAMILNADU | 96.77 | 6.74 | | | |
| PUNJAB | 89.72 | 6.25 | | | |
| BIHAR | 82.57 | 5.75 | | | |
| MP | 68.63 | 4.78 | | | |
| HARYANA | 60.38 | 4.21 | | | |
| RAJASTHAN | 48.63 | 3.39 | | | |
| DELHI | 46.92 | 3.27 | | | |
| JHARKHAND | 44.81 | 3.12 | | | |
| TELANGANA | 43.03 | 3.00 | | | |
| WEST BENGAL | 40.82 | 2.84 | | | |
| J&K | 40.40 | 2.81 | | | |
| ANDHRA PRADESH | 36.01 | 2.51 | | | |
| CHHATTISGARH | 28.87 | 2.01 | | | |
| KARNATAKA | 28.43 | 1.98 | | | |
| DVC | 28.21 | 1.97 | | | |
| ASSAM | 25.45 | 1.77 | | | |
| UTTARAKHAND | 25.29 | 1.76 | | | |
| ODISHA | 19.73 | 1.37 | | | |
| GOA | 16.11 | 1.12 | | | |
| ESSAR STEEL | 15.12 | 1.05 | | | |
| MEGHALAYA | 13.03 | 0.91 | | | |
| JITPL | 12.35 | 0.86 | | | |
| NHPC STATIONS | 11.16 | 0.78 | | | |
| STERLITE | 9.62 | 0.67 | | | |
| CGPL | 9.49 | 0.66 | | | |
| TEESTA HEP | 9.30 | 0.65 | | | |
| ARUNACHAL PRADESH | 8.72 | 0.61 | | | |
| HIMACHAL PRADESH | 8.69 | 0.61 | | | |
| DADRA & NAGAR HAVELI | 8.35 | 0.58 | | | |
| KARCHAM WANGTOO | 7.49 | 0.52 | | | |
| NJPC | 7.00 | 0.49 | | | |
| JAYPEE NIGRIE | 6.60 | 0.46 | | | |
| KERALA | 6.46 | 0.45 | | | |
| CHUZACHEN HEP | 5.48 | 0.38 | | | |
| SIKKIM | 5.32 | 0.37 | | | |
| NSPCL | 4.89 | 0.34 | | | |
| MAITHON POWER LTD | 4.47 | 0.31 | | | |
| RANGANADI HEP | 4.47 | 0.31 | | | |
| DAMAN AND DIU | 4.32 | 0.30 | | | |
| PONDICHERRY | 4.28 | 0.30 | | | |
| MANIPUR | 3.94 | 0.27 | | | |
| KSK MAHANADI | 3.68 | 0.26 | | | |
| GMR KAMALANGA | 3.59 | 0.25 | | | |
| | | | | | |

| AD HYDRO | 3.44 | 0.24 |
|----------------------------------|---------|--------|
| SIMHAPURI | 3.13 | 0.22 |
| BALCO | 2.97 | 0.21 |
| CHANDIGARH | 2.88 | 0.20 |
| JINDAL POWER | 2.83 | 0.20 |
| MEENAKSHI | 2.67 | 0.19 |
| NEEPCO STATIONS | 2.57 | 0.18 |
| ADHUNIK POWER LTD | 2.23 | 0.16 |
| RANGIT HEP | 2.01 | 0.14 |
| THERMAL POWERTECH | 1.92 | 0.13 |
| NAGALAND | 1.78 | 0.12 |
| DCPP | 1.73 | 0.12 |
| TRIPURA | 1.67 | 0.12 |
| KORBA WEST POWER | 1.57 | 0.11 |
| DAGACHU | 1.43 | 0.10 |
| DGEN MEGA POWER | 1.41 | 0.10 |
| COASTGEN | 1.36 | 0.09 |
| LANCO BUDHIL | 1.23 | 0.09 |
| EMCO | 1.16 | 0.08 |
| SHREE CEMENT | 1.06 | 0.07 |
| LANKO_AMK | 0.83 | 0.06 |
| LOKTAK | 0.72 | 0.05 |
| MB POWER | 0.72 | 0.05 |
| LANKO KONDAPALLI | 0.71 | 0.05 |
| ACBIL | 0.65 | 0.05 |
| MALANA | 0.51 | 0.04 |
| MIZORAM | 0.33 | 0.02 |
| URI-2 | 0.28 | 0.02 |
| DOYANG HEP | 0.22 | 0.02 |
| VANDANA VIDYUT | 0.19 | 0.01 |
| RGPPL(DABHOL) | 0.02 | 0.00 |
| Total | 1435.32 | 100.00 |
| Volume of Export by top 5 States | 527.01 | 36.72 |

| Table-14: VOLUME OF ELECTRICITY IMPORTED THROUGH DSM, JUNE 2015 | | | | | | |
|---|------------------------|----------------|--|--|--|--|
| Name of the State/UT/Other Regional Entity | Volume of Import (MUs) | % of Volume | | | | |
| HARYANA | 79.53 | 6.13 | | | | |
| MAHARASHTRA | 75.71 | 5.84 | | | | |
| PUNJAB | 75.12 | 5.79 | | | | |
| UTTAR PRADESH | 72.30 | 5.57 | | | | |
| RAJASTHAN | 66.83 | 5.15 | | | | |
| KARNATAKA | 56.86 | 4.38 | | | | |
| WEST BENGAL | 55.94 | 4.31 | | | | |
| ANDHRA PRADESH | 55.22 | 4.26 | | | | |
| KERALA | 48.52 | 3.74 | | | | |
| CHHATTISGARH | 45.33 | 3.50 | | | | |
| BIHAR | 44.61 | 3.44 | | | | |
| TELANGANA | 37.90 | 2.92 | | | | |
| DELHI | 34.92 | 2.69 | | | | |
| ODISHA | 34.64 | 2.67 | | | | |
| HIMACHAL PRADESH | 34.37 | 2.65 | | | | |
| DVC | 31.49 | 2.43 | | | | |
| UTTARAKHAND | 28.34 | 2.19 | | | | |
| ASSAM | 23.84 | 1.84 | | | | |
| J&K | 23.08 | 1.78 | | | | |
| GUJARAT | 21.31 | 1.64 | | | | |
| STERLITE | 20.44 | 1.58 | | | | |
| TAMILNADU | 20.31 | 1.57 | | | | |
| ESSAR STEEL | 19.83 | 1.53 | | | | |
| MP | 18.82 | 1.45 | | | | |
| GOA | 17.02 | 1.31 | | | | |
| TRIPURA | 16.11 | 1.24 | | | | |
| CHANDIGARH | 12.02 | 0.93 | | | | |
| DCPP | 11.76 | 0.91 | | | | |
| JAYPEE NIGRIE | 11.73 | 0.90 | | | | |
| NHPC STATIONS | 11.16 | 0.86 | | | | |
| JITPL | 10.33 | 0.80 | | | | |
| CGPL | 10.19 | 0.79 | | | | |
| JINDAL POWER | 9.97 | 0.77 | | | | |
| AD HYDRO | 8.41 | 0.65 | | | | |
| BALCO | 8.26 | 0.64 | | | | |
| DAMAN AND DIU | 7.58 | 0.58 | | | | |
| DAGACHU | 7.55 | 0.58 | | | | |
| MIZORAM | 7.43 | 0.57 | | | | |
| NAGALAND | 7.10 | 0.55 | | | | |
| JHARKHAND | 6.88 | 0.53 | | | | |
| NSPCL | 6.81 | 0.53 | | | | |
| KORBA WEST POWER | 6.81 | 0.52 | | | | |
| MAITHON POWER LTD | 6.18 | 0.48 | | | | |
| DADRA & NAGAR HAVELI | 6.03 | 0.46 | | | | |

| ACBIL | 4.93 | 0.38 |
|----------------------------------|---------|--------|
| ARUNACHAL PRADESH | 4.88 | 0.38 |
| KARCHAM WANGTOO | 4.53 | 0.35 |
| RGPPL(DABHOL) | 4.19 | 0.32 |
| PONDICHERRY | 4.10 | 0.32 |
| LANKO KONDAPALLI | 4.05 | 0.31 |
| MANIPUR | 4.03 | 0.31 |
| NJPC | 3.84 | 0.30 |
| EMCO | 3.41 | 0.26 |
| SIMHAPURI | 3.33 | 0.26 |
| SHREE CEMENT | 3.28 | 0.25 |
| SIKKIM | 3.24 | 0.25 |
| CHUZACHEN HEP | 3.14 | 0.24 |
| MB POWER | 3.00 | 0.23 |
| GMR KAMALANGA | 2.83 | 0.22 |
| DGEN MEGA POWER | 2.82 | 0.22 |
| COASTGEN | 2.78 | 0.21 |
| MEGHALAYA | 2.69 | 0.21 |
| GMR CHHATTISGARH | 2.66 | 0.21 |
| ADHUNIK POWER LTD | 1.55 | 0.12 |
| MALANA | 1.48 | 0.11 |
| LANKO_AMK | 1.40 | 0.11 |
| THERMAL POWERTECH | 1.39 | 0.11 |
| ESSAR POWER | 1.30 | 0.10 |
| MEENAKSHI | 1.26 | 0.10 |
| NEEPCO STATIONS | 0.96 | 0.07 |
| LANCO BUDHIL | 0.92 | 0.07 |
| LOKTAK | 0.64 | 0.05 |
| DB POWER | 0.62 | 0.05 |
| DHARIWAL POWER | 0.58 | 0.04 |
| TEESTA HEP | 0.56 | 0.04 |
| URI-2 | 0.44 | 0.03 |
| RANGANADI HEP | 0.42 | 0.03 |
| KSK MAHANADI | 0.38 | 0.03 |
| DOYANG HEP | 0.25 | 0.02 |
| RANGIT HEP | 0.23 | 0.02 |
| ADANI HVDC | 0.13 | 0.01 |
| Total | 1296.81 | 100.00 |
| Volume of Export by top 5 States | 369.48 | 28.49 |

| Ta | able-15: TOTAL VOLUME OF NET SHORT-TERM (REGIONAL ENTITY-WISE), | |
|------------|--|--|
| Sr. No. | Name of the State/UT/Other Regional Entity | Total volume of net short-term transactions of electricity in (MUs)* |
| 1 | TELANGANA | 979.01 |
| 2 | HARYANA | 760.39 |
| 3 | PUNJAB | 679.26 |
| 4 | ANDHRA PRADESH | 601.72 |
| 5 | UTTAR PRADESH | 535.78 |
| 6 | WEST BENGAL | 501.54 |
| 7 | DELHI | 354.75 |
| 8 | MAHARASHTRA | 324.52 |
| 9 | TAMILNADU | 312.42 |
| 10 | BIHAR | 295.35 |
| 11 | ESSAR STEEL | 241.49 |
| 12 | KERALA | 241.15 |
| 13 | UTTARAKHAND | 106.37 |
| 14 | RAJASTHAN | 105.94 |
| 15 | GUJARAT | 90.48 |
| 16 | JHARKHAND | 73.44 |
| 17 | ASSAM | 41.61 |
| 18 | DAMAN AND DIU | 35.73 |
| 19 | BALCO | 33.43 |
| 20 | CHANDIGARH | 21.57 |
| 21 | NAGALAND | 7.61 |
| 22 | GOA | 7.22 |
| 23 | RGPPL(DABHOL) | 4.18 |
| 24 | MANIPUR | 3.86 |
| 25 | GMR CHHATTISGARH | 2.66 |
| 26 | NSPCL | 1.92 |
| 27 | DGEN MEGA POWER | 1.41 |
| 28 | ESSAR POWER | 1.24 |
| 29 | CGPL | 0.70 |
| 30 | DB POWER | 0.62 |
| 31 | DHARIWAL POWER | 0.58 |
| 32 | LANKO_AMK | 0.57 |
| 33 | URI-2 | 0.16 |
| 34 | ADANI HVDC | 0.13 |
| 35 | DOYANG HEP | 0.02 |
| 36 | PONDICHERRY | -0.17 |
| 37 | VANDANA VIDYUT | -0.19 |
| 38 | LOKTAK | -1.14 |
| 39 | NEEPCO STATIONS | -1.61 |
| 40 | DADRA & NAGAR HAVELI | -2.32 |
| 41 | KSK MAHANADI | -3.30 |
| 42 | MIZORAM | -3.46 |
| 43 | RANGIT HEP | -3.88 |
| 44 | RANGANADI HEP | -4.05 |
| 45 | MALANA | -4.42 |
| 46 | ARUNACHAL PRADESH | -11.15 |
| 47 | MB POWER | -12.85 |
| 48 | TEESTA HEP | -18.37 |

| 50 DAGACHU -27.55 51 EMCO -35.33 52 TRIPURA -36.98 53 CHHATTISGARH -42.10 54 LANCO BUDHIL -43.06 55 ACBIL -46.33 56 ODISHA -47.67 57 SIKKIM -50.22 58 JAYPEE NIGRIE -56.36 59 MEGHALAYA -64.95 60 KORBA WEST POWER -73.08 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JI | 49 | CHUZACHEN HEP | -24.45 |
|---|----|-------------------|---------|
| 52 TRIPURA -36.98 53 CHHATTISGARH -42.10 54 LANCO BUDHIL -43.06 55 ACBIL -46.33 56 ODISHA -47.67 57 SIKKIM -50.22 58 JAYPEE NIGRIE -56.36 59 MEGHALAYA -64.95 60 KORBA WEST POWER -73.08 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI - | 50 | DAGACHU | -27.55 |
| 53 CHHATTISGARH -42.10 54 LANCO BUDHIL -43.06 55 ACBIL -46.33 56 ODISHA -47.67 57 SIKKIM -50.22 58 JAYPEE NIGRIE -56.36 59 MEGHALAYA -64.95 60 KORBA WEST POWER -73.32 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 | | EMCO | -35.33 |
| 54 LANCO BUDHIL -43.06 55 ACBIL -46.33 56 ODISHA -47.67 57 SIKKIM -50.22 58 JAYPEE NIGRIE -56.36 59 MEGHALAYA -64.95 60 KORBA WEST POWER -73.08 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04< | 52 | TRIPURA | -36.98 |
| 55 ACBIL -46.33 56 ODISHA -47.67 57 SIKKIM -50.22 58 JAYPEE NIGRIE -56.36 59 MEGHALAYA -64.95 60 KORBA WEST POWER -73.08 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 | 53 | CHHATTISGARH | -42.10 |
| 56 ODISHA -47.67 57 SIKKIM -50.22 58 JAYPEE NIGRIE -56.36 59 MEGHALAYA -64.95 60 KORBA WEST POWER -73.08 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 | | LANCO BUDHIL | -43.06 |
| 57 SIKKIM -50.22 58 JAYPEE NIGRIE -56.36 59 MEGHALAYA -64.95 60 KORBA WEST POWER -73.08 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 | 55 | ACBIL | -46.33 |
| 58 JAYPEE NIGRIE -56.36 59 MEGHALAYA -64.95 60 KORBA WEST POWER -73.08 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -4114.73 81 THERMAL POWERTECH | 56 | ODISHA | -47.67 |
| 59 MEGHALAYA -64.95 60 KORBA WEST POWER -73.08 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -331.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE | 57 | SIKKIM | -50.22 |
| 60 KORBA WEST POWER -73.08 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 58 | JAYPEE NIGRIE | -56.36 |
| 61 NJPC -75.32 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 59 | MEGHALAYA | -64.95 |
| 62 DCPP -75.97 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 60 | KORBA WEST POWER | -73.08 |
| 63 MAITHON POWER LTD -80.11 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 61 | NJPC | -75.32 |
| 64 MEENAKSHI -85.39 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 62 | DCPP | -75.97 |
| 65 ADHUNIK POWER LTD -90.16 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 63 | MAITHON POWER LTD | -80.11 |
| 66 JINDAL POWER -96.65 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 64 | MEENAKSHI | -85.39 |
| 67 NHPC STATIONS -100.90 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 65 | ADHUNIK POWER LTD | -90.16 |
| 68 AD HYDRO -111.63 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 66 | JINDAL POWER | -96.65 |
| 69 LANKO KONDAPALLI -160.70 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 67 | NHPC STATIONS | -100.90 |
| 70 KARNATAKA -162.51 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | | AD HYDRO | -111.63 |
| 71 SHREE CEMENT -183.99 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | | | |
| 72 JINDAL STAGE-II -193.62 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 70 | KARNATAKA | -162.51 |
| 73 DVC -234.27 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | | SHREE CEMENT | -183.99 |
| 74 GMR KAMALANGA -256.44 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 72 | JINDAL STAGE-II | -193.62 |
| 75 SIMHAPURI -270.30 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 73 | DVC | -234.27 |
| 76 COASTGEN -301.68 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | | GMR KAMALANGA | -256.44 |
| 77 MP -333.04 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 75 | SIMHAPURI | -270.30 |
| 78 J & K -346.87 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 76 | COASTGEN | -301.68 |
| 79 JITPL -396.61 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | | | -333.04 |
| 80 KARCHAM WANGTOO -414.73 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 78 | J&K | -346.87 |
| 81 THERMAL POWERTECH -423.59 82 STERLITE -432.30 | 79 | | -396.61 |
| 82 STERLITE -432.30 | 80 | KARCHAM WANGTOO | -414.73 |
| | | | -423.59 |
| 83 HIMACHAL PRADESH -771.56 | 82 | STERLITE | -432.30 |
| | 83 | HIMACHAL PRADESH | -771.56 |

^{*} Total volume of net short-term transactions of electricity includes net of transactions of electricity through bilateral, power exchange and DSM (-) indicates sale and (+) indicates purchase

| T | Table-16: DETAILS OF CONGESTION IN POWER EXCHANGES, JUNE 2015 | | | | | | | |
|--------|--|---------|--------|--|--|--|--|--|
| | Details of Congestion | IEX | PXIL | | | | | |
| Α | Unconstrained Cleared Volume* (MUs) | 2740.44 | 27.84 | | | | | |
| В | Actual Cleared Volume and hence scheduled (MUs) | 2447.45 | 24.28 | | | | | |
| С | Volume of electricity that could not be cleared and hence not scheduled because of congestion (MUs) (A-B) | 293.00 | 3.56 | | | | | |
| D | Volume of electricity that could not be cleared as % to Unconstrained Cleared Volume | 10.69% | 12.78% | | | | | |
| Е | Percentage of the time congestion occurred during the month (Number of hours congestion occurred/Total number of hours in the month) | 91.87% | 77.92% | | | | | |
| F | Congestion occurrence (%) time block wise | | | | | | | |
| | 0.00 - 6.00 hours | 23.26% | 19.53% | | | | | |
| | 6.00 - 12.00 hours | 25.24% | 27.08% | | | | | |
| | 12.00 - 18.00 hours | 26.23% | 27.77% | | | | | |
| | 18.00 - 24.00 hours 25.27% 25.61 | | | | | | | |
| * This | power would have been scheduled had there been no conges | stion. | | | | | | |
| Source | e: IEX & PXIL& NLDC | | | | | | | |

| Table-17: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY IN INDIA (MUs), JUNE 2015 (DAY-WISE) | | | | | | | | |
|---|---------------------------------|---------|------------|---------------------------------------|---|---|--|--|
| Date | Bilat | | Clearing V | nange (Area olume# of d Market) | Deviation Settlement (Over Drawl+ | Electricity Generation (MU) as given at | | |
| | Through Traders and PXs** | Direct | IEX | PXI | Under Generation) | CEA Website | | |
| 1-Jun-15 | 99.12 | 76.01 | 100.79 | 0.99 | 70.39 | 2935.31 | | |
| 2-Jun-15 | 100.21 | 79.83 | 85.10 | 1.07 | 57.69 | 2980.67 | | |
| 3-Jun-15 | 99.74 | 82.41 | 92.37 | 0.91 | 51.47 | 3034.36 | | |
| 4-Jun-15 | 106.37 | 81.98 | 101.03 | 0.92 | 49.82 | 3081.27 | | |
| 5-Jun-15 | 105.75 | 84.09 | 91.45 | 0.85 | 48.49 | 3087.83 | | |
| 6-Jun-15 | 107.70 | 86.70 | 83.95 | 1.49 | 51.32 | 3095.78 | | |
| 7-Jun-15 | 104.86 | 82.72 | 86.59 | 0.84 | 51.32 | 2999.15 | | |
| 8-Jun-15 | 112.44 | 88.03 | 94.79 | 0.53 | 50.28 | 3105.01 | | |
| 9-Jun-15 | 109.57 | 93.13 | 96.26 | 0.53 | 52.73 | 3085.13 | | |
| 10-Jun-15 | 136.68 | 94.03 | 82.82 | 1.46 | 58.69 | 3133.44 | | |
| 11-Jun-15 | 134.69 | 85.82 | 90.25 | 1.01 | 57.96 | 3113.76 | | |
| 12-Jun-15 | 122.28 | 82.89 | 93.08 | 1.00 | 55.36 | 3105.70 | | |
| 13-Jun-15 | 112.65 | 80.86 | 87.51 | 1.11 | 70.11 | 3028.36 | | |
| 14-Jun-15 | 123.68 | 74.76 | 68.49 | 1.17 | 58.64 | 2737.02 | | |
| 15-Jun-15 | 128.06 | 82.16 | 73.99 | 1.06 | 54.39 | 2889.89 | | |
| 16-Jun-15 | 121.65 | 78.42 | 75.03 | 1.17 | 87.98 | 2985.05 | | |
| 17-Jun-15 | 123.80 | 78.95 | 81.08 | 0.67 | 51.28 | 3052.86 | | |
| 18-Jun-15 | 122.28 | 80.50 | 83.09 | 0.71 | 52.29 | 3081.28 | | |
| 19-Jun-15 | 125.92 | 67.56 | 87.01 | 0.77 | 57.98 | 3066.88 | | |
| 20-Jun-15 | 116.84 | 65.89 | 86.05 | 0.66 | 65.46 | 2955.18 | | |
| 21-Jun-15 | 118.52 | 64.63 | 72.39 | 0.43 | 69.78 | 2784.97 | | |
| 22-Jun-15 | 120.67 | 65.06 | 71.01 | 0.50 | 66.20 | 2865.49 | | |
| 23-Jun-15 | 112.66 | 77.64 | 67.47 | 0.50 | 67.35 | 2862.99 | | |
| 24-Jun-15 | 117.87 | 81.00 | 72.48 | 0.66 | 68.97 | 2714.77 | | |
| 25-Jun-15 | 111.73 | 78.98 | 72.12 | 0.46 | 69.17 | 2645.67 | | |
| 26-Jun-15 | 106.68 | 77.82 | 75.94 | 0.46 | 63.71 | 2752.99 | | |
| 27-Jun-15 | 108.44 | 77.14 | 73.34 | 1.02 | 66.05 | 2809.50 | | |
| 28-Jun-15 | 97.56 | 66.60 | 63.18 | 0.56 | 67.02 | 2893.08 | | |
| 29-Jun-15 | 101.84 | 77.33 | 64.44 | 0.46 | 68.03 | 2980.91 | | |
| 30-Jun-15 | 113.96 | 77.44 | 70.86 | 0.31 | 65.70 | 2994.59 | | |
| Total | 3424.25 | 2370.40 | 2443.98 | 24.28 | 1825.65 | 88858.89 | | |

Source: NLDC

^{*} Gross Electricity Generation excluding electricity generation from renewables and captive power

^{**} The volume of bilateral through PXs represents the volume through term-ahead contracts. # Area Clearing Volume represents the scheduled volume of all the bid areas.

| Table-18: PRICE OF ELECTRICITY IN SHORT-TERM TRANSACTIONS (₹/kWh), JUNE 2015 (DAY-WISE) | | | | | | | | | | |
|---|---------------------|-------------------------|-------------------------------|---------------------|--------------------------|-------------------------------|-----------------------|--|--------------------|--|
| Market Segment | Day a | Day ahead market of IEX | | | Day ahead market of PXIL | | | Under Drawl/Over Drawl from the Grid (DSM) | | |
| | | | | | | | | All India Gr | rid | |
| Date | Mini- mum ACP | Maxi- mum ACP | Weighted Average Price* | Mini- mum ACP | Maxi- mum ACP | Weighted Average Price* | Mini- mum Price | Maximum Price | Average Price** | |
| 1-Jun-15 | 0.90 | 17.50 | 2.70 | 1.47 | 2.80 | 2.20 | 0.00 | 3.45 | 0.87 | |
| 2-Jun-15 | 0.80 | 8.01 | 2.32 | 1.20 | 3.10 | 2.48 | 0.00 | 5.74 | 1.71 | |
| 3-Jun-15 | 0.75 | 10.00 | 2.42 | 0.86 | 2.64 | 2.03 | 0.00 | 3.45 | 1.82 | |
| 4-Jun-15 | 1.10 | 6.61 | 2.73 | 0.75 | 2.87 | 2.04 | 0.00 | 6.36 | 2.07 | |
| 5-Jun-15 | 0.80 | 6.69 | 2.62 | 1.45 | 3.10 | 2.42 | 0.00 | 5.11 | 1.95 | |
| 6-Jun-15 | 0.50 | 6.01 | 2.86 | 0.80 | 3.06 | 2.18 | 0.00 | 8.24 | 2.27 | |
| 7-Jun-15 | 0.65 | 4.26 | 2.63 | 0.80 | 2.96 | 2.11 | 0.00 | 5.11 | 1.45 | |
| 8-Jun-15 | 1.10 | 4.25 | 3.00 | 1.65 | 4.01 | 2.91 | 0.00 | 3.45 | 1.87 | |
| 9-Jun-15 | 1.10 | 4.40 | 2.93 | 1.18 | 4.14 | 2.98 | 0.00 | 6.36 | 2.23 | |
| 10-Jun-15 | 0.90 | 4.50 | 2.84 | 1.18 | 4.50 | 3.42 | 0.00 | 5.11 | 1.77 | |
| 11-Jun-15 | 0.80 | 5.00 | 3.01 | 0.36 | 4.28 | 3.15 | 0.00 | 5.11 | 1.50 | |
| 12-Jun-15 | 1.86 | 5.14 | 3.06 | 1.74 | 4.51 | 3.34 | 0.00 | 3.45 | 1.77 | |
| 13-Jun-15 | 1.10 | 4.82 | 2.76 | 2.20 | 4.66 | 3.14 | 0.00 | 4.91 | 1.04 | |
| 14-Jun-15 | 1.76 | 5.00 | 2.58 | 1.59 | 4.07 | 2.94 | 0.00 | 5.32 | 1.14 | |
| 15-Jun-15 | 1.99 | 4.50 | 2.56 | 1.35 | 4.63 | 2.95 | 0.00 | 3.45 | 1.52 | |
| 16-Jun-15 | 2.04 | 5.30 | 2.76 | 2.04 | 4.38 | 2.93 | 0.36 | 6.16 | 2.25 | |
| 17-Jun-15 | 2.00 | 5.50 | 2.80 | 2.20 | 5.09 | 3.19 | 0.00 | 7.82 | 2.52 | |
| 18-Jun-15 | 1.95 | 6.83 | 2.97 | 2.29 | 4.70 | 3.30 | 0.00 | 7.82 | 2.36 | |
| 19-Jun-15 | 2.05 | 5.50 | 3.13 | 2.50 | 6.51 | 3.64 | 0.00 | 5.74 | 2.00 | |
| 20-Jun-15 | 1.62 | 5.60 | 3.17 | 1.94 | 4.46 | 2.96 | 0.00 | 3.24 | 0.96 | |
| 21-Jun-15 | 1.10 | 5.65 | 3.17 | 1.47 | 4.75 | 2.49 | 0.00 | 5.74 | 0.76 | |
| 22-Jun-15 | 1.20 | 5.65 | 2.91 | 1.72 | 5.65 | 3.27 | 0.00 | 5.32 | 1.51 | |
| 23-Jun-15 | 0.80 | 5.70 | 2.60 | 1.57 | 5.21 | 2.93 | 0.00 | 3.45 | 1.33 | |
| 24-Jun-15 | 0.80 | 4.76 | 2.58 | 1.00 | 4.50 | 2.63 | 0.00 | 3.24 | 0.78 | |
| 25-Jun-15 | 0.70 | 4.51 | 2.18 | 0.95 | 4.48 | 2.39 | 0.00 | 5.74 | 0.82 | |
| 26-Jun-15 | 0.80 | 4.81 | 2.29 | 0.95 | 4.01 | 2.37 | 0.00 | 3.45 | 1.26 | |
| 27-Jun-15 | 1.10 | 6.01 | 2.57 | 0.95 | 4.20 | 2.58 | 0.00 | 3.45 | 1.53 | |
| 28-Jun-15 | 1.10 | 4.00 | 1.90 | 1.51 | 4.75 | 2.58 | 0.00 | 7.20 | 1.60 | |
| 29-Jun-15 | 1.10 | 5.00 | 2.47 | 1.10 | 3.72 | 2.58 | 0.00 | 3.45 | 1.74 | |
| 30-Jun-15 | 1.40 | 4.90 | 2.65 | 1.82 | 4.85 | 2.71 | 0.00 | 5.11 | 2.19 | |
| | 0.50# | 17.50# | 2.72 | 0.36# | 6.51# | 2.77 | 0.00# | 8.24# | 1.62 | |

Source: Data on price of PX transactions from IEX and PXIL and data on Deviation Price from NLDC.

^{*} Weighted average price computed based on Area Clearing Volume (ACV) and Area Clearing Price (ACP) for each hour of the day. Here, ACV and ACP represent the scheduled volume and weighted average price of all the bid areas of power exchanges.

^{**} Simple average of Deviation price of 96 time blocks of 15 minutes each in a day.

[#] Minimum/Maximum in the month

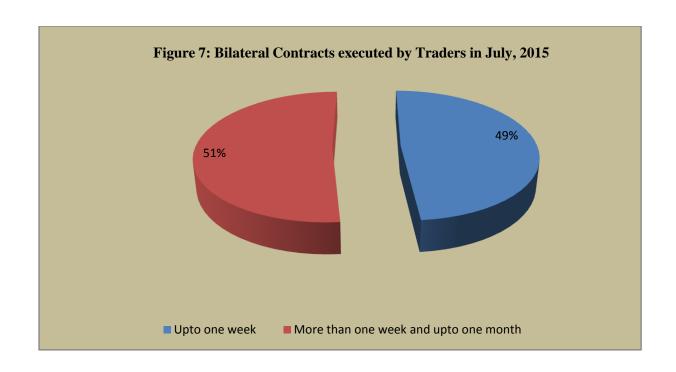
| Table-19: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY*-WISE) (MUs), JUNE 2015 | | | | | | | | | | |
|---|--------|---------------|---------|---------|---------------|---------|----------------------------|---------------------------|------------|---------|
| | Thr | ough Bilate | eral | Through | n Power Ex | change | Through | n DSM with Grid | n Regional | Total |
| Name of the State/UT/Other Regional Entity | Sale | Pur- chase | Net** | Sale | Pur- chase | Net** | Export (Under Drawl) | Import (Over Drawl) | Net** | Net*** |
| PUNJAB | 0.00 | 568.15 | 568.15 | 0.00 | 125.71 | 125.71 | 75.12 | 89.72 | -14.60 | 679.26 |
| HARYANA | 2.40 | 692.91 | 690.51 | 93.39 | 144.12 | 50.73 | 79.53 | 60.38 | 19.15 | 760.39 |
| RAJASTHAN | 474.49 | 86.55 | -387.94 | 35.48 | 511.15 | 475.68 | 66.83 | 48.63 | 18.20 | 105.94 |
| DELHI | 2.83 | 326.42 | 323.59 | 50.89 | 94.07 | 43.18 | 34.92 | 46.92 | -12.01 | 354.75 |
| UTTAR PRADESH | 0.00 | 585.11 | 585.11 | 0.00 | 0.00 | 0.00 | 72.30 | 121.63 | -49.33 | 535.78 |
| UTTARAKHAND | 0.00 | 37.71 | 37.71 | 0.00 | 65.60 | 65.60 | 28.34 | 25.29 | 3.05 | 106.37 |
| HIMACHAL PRADESH | 611.94 | 0.00 | -611.94 | 197.51 | 12.21 | -185.30 | 34.37 | 8.69 | 25.68 | -771.56 |
| J&K | 322.85 | 2.93 | -319.93 | 35.23 | 25.60 | -9.62 | 23.08 | 40.40 | -17.32 | -346.87 |
| CHANDIGARH | 0.00 | 7.20 | 7.20 | 0.32 | 5.55 | 5.23 | 12.02 | 2.88 | 9.14 | 21.57 |
| MP | 177.24 | 0.00 | -177.24 | 162.17 | 56.18 | -105.99 | 18.82 | 68.63 | -49.81 | -333.04 |
| MAHARASHTRA | 0.00 | 364.02 | 364.02 | 76.19 | 61.47 | -14.72 | 75.71 | 100.49 | -24.78 | 324.52 |
| GUJARAT | 233.56 | 336.40 | 102.84 | 147.90 | 232.63 | 84.73 | 21.31 | 118.40 | -97.10 | 90.48 |
| CHHATTISGARH | 19.25 | 24.48 | 5.23 | 73.99 | 10.20 | -63.79 | 45.33 | 28.87 | 16.46 | -42.10 |
| GOA | 0.14 | 0.90 | 0.76 | 0.00 | 5.55 | 5.55 | 17.02 | 16.11 | 0.91 | 12.69 |
| DAMAN AND DIU | 0.00 | 0.00 | 0.00 | 0.00 | 32.46 | 32.46 | 7.58 | 4.32 | 3.26 | 35.73 |
| DADRA & NAGAR HAVELI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.03 | 8.35 | -2.32 | -2.32 |
| ANDHRA PRADESH | 17.64 | 524.72 | 507.08 | 12.76 | 88.20 | 75.44 | 55.22 | 36.01 | 19.20 | 601.72 |
| KARNATAKA | 235.39 | 1.06 | -234.33 | 81.60 | 124.99 | 43.39 | 56.86 | 28.43 | 28.44 | -162.51 |
| KERALA | 0.00 | 84.02 | 84.02 | 2.66 | 117.74 | 115.08 | 48.52 | 6.46 | 42.06 | 241.15 |
| TAMILNADU | 0.00 | 307.17 | 307.17 | 0.00 | 81.71 | 81.71 | 20.31 | 96.77 | -76.47 | 312.42 |
| PONDICHERRY | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.10 | 4.28 | -0.17 | -0.17 |
| TELANGANA | 7.93 | 930.38 | 922.45 | 66.14 | 127.83 | 61.69 | 37.90 | 43.03 | -5.12 | -5.47 |
| WEST BENGAL | 0.00 | 319.54 | 319.54 | 13.59 | 180.47 | 166.88 | 55.94 | 40.82 | 15.12 | 979.01 |
| ODISHA | 72.72 | 30.35 | -42.36 | 27.53 | 7.32 | -20.21 | 34.64 | 19.73 | 14.91 | 501.54 |
| BIHAR | 0.00 | 253.58 | 253.58 | 0.00 | 79.73 | 79.73 | 44.61 | 82.57 | -37.96 | -47.67 |
| JHARKHAND | 0.00 | 111.36 | 111.36 | 0.00 | 0.00 | 0.00 | 6.88 | 44.81 | -37.93 | 295.35 |
| SIKKIM | 0.00 | 0.00 | 0.00 | 48.14 | 0.00 | -48.14 | 3.24 | 5.32 | -2.08 | 73.44 |
| DVC | 235.85 | 0.00 | -235.85 | 1.71 | 0.00 | -1.71 | 31.49 | 28.21 | 3.28 | -50.22 |
| ARUNACHAL PRADESH | 0.00 | 0.00 | 0.00 | 7.68 | 0.37 | -7.31 | 4.88 | 8.72 | -3.84 | -234.27 |
| ASSAM | 3.76 | 57.28 | 53.52 | 17.08 | 6.78 | -10.30 | 23.84 | 25.45 | -1.61 | -11.15 |
| MANIPUR | 2.59 | 28.58 | 25.99 | 22.22 | 0.00 | -22.22 | 4.03 | 3.94 | 0.09 | 41.61 |
| MEGHALAYA | 45.53 | 0.44 | -45.08 | 16.21 | 6.69 | -9.53 | 2.69 | 13.03 | -10.34 | 3.86 |
| MIZORAM | 0.00 | 0.00 | 0.00 | 10.56 | 0.00 | -10.56 | 7.43 | 0.33 | 7.09 | -64.95 |
| NAGALAND | 0.00 | 0.00 | 0.00 | 2.14 | 4.43 | 2.29 | 7.10 | 1.78 | 5.32 | -3.46 |
| TRIPURA | 7.41 | 0.00 | -7.41 | 44.01 | 0.00 | -44.01 | 16.11 | 1.67 | 14.45 | 7.61 |
| NHPC STATIONS | 0.00 | 0.00 | 0.00 | 100.90 | 0.00 | -100.90 | 11.16 | 11.16 | 0.00 | -36.98 |
| NJPC | 0.00 | 0.00 | 0.00 | 72.16 | 0.00 | -72.16 | 3.84 | 7.00 | -3.16 | -100.90 |
| AD HYDRO | 68.08 | 0.00 | -68.08 | 48.52 | 0.00 | -48.52 | 8.41 | 3.44 | 4.96 | -75.32 |
| KARCHAM WANGTOO | 241.85 | 0.00 | -241.85 | 169.91 | 0.00 | -169.91 | 4.53 | 7.49 | -2.96 | -111.63 |
| SHREE CEMENT | 123.85 | 0.00 | -123.85 | 62.36 | 0.00 | -62.36 | 3.28 | 1.06 | 2.22 | -414.73 |
| LANCO BUDHIL | 0.00 | 0.00 | 0.00 | 42.75 | 0.00 | -42.75 | 0.92 | 1.23 | -0.30 | -183.99 |

| TOTAL | 5392.71 | 5686.71 | 294.00 | 2468.27 | 2468.27 | 0.00 | 1296.81 | 1435.33 | -138.52 | -1.14 |
|-------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| LOKTAK | 0.00 | 0.00 | 0.00 | 1.06 | 0.00 | -1.06 | 0.64 | 0.72 | -0.09 | 0.02 |
| DOYANG HEP | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.25 | 0.22 | 0.02 | -4.05 |
| RANGANADI HEP | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.42 | 4.47 | -4.05 | -1.61 |
| NEEPCO STATIONS | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.96 | 2.57 | -1.61 | -27.55 |
| DAGACHU | 33.68 | 0.00 | -33.68 | 0.00 | 0.00 | 0.00 | 7.55 | 1.43 | 6.12 | -18.37 |
| TEESTA HEP | 0.00 | 0.00 | 0.00 | 9.63 | 0.00 | -9.63 | 0.56 | 9.30 | -8.74 | -396.61 |
| JITPL | 209.01 | 0.00 | -209.01 | 185.58 | 0.00 | -185.58 | 10.33 | 12.35 | -2.02 | -256.44 |
| GMR KAMALANGA | 255.38 | 0.00 | -255.38 | 0.30 | 0.00 | -0.30 | 2.83 | 3.59 | -0.76 | -3.88 |
| RANGIT HEP | 0.00 | 0.00 | 0.00 | 2.10 | 0.00 | -2.10 | 0.23 | 2.01 | -1.78 | -24.45 |
| CHUZACHEN HEP | 0.00 | 0.00 | 0.00 | 22.12 | 0.00 | -22.12 | 3.14 | 5.48 | -2.34 | -90.16 |
| ADHUNIK POWER LTD | 89.48 | 0.00 | -89.48 | 0.00 | 0.00 | 0.00 | 1.55 | 2.23 | -0.68 | -80.11 |
| MAITHON POWER LTD | 76.17 | 0.00 | -76.17 | 5.65 | 0.00 | -5.65 | 6.18 | 4.47 | 1.71 | -432.30 |
| STERLITE | 387.66 | 0.00 | -387.66 | 55.46 | 0.00 | -55.46 | 20.44 | 9.62 | 10.83 | -423.59 |
| THERMAL POWERTECH | 335.86 | 0.00 | -335.86 | 87.21 | 0.00 | -87.21 | 1.39 | 1.92 | -0.53 | -301.68 |
| COASTGEN | 303.10 | 0.00 | -303.10 | 0.00 | 0.00 | 0.00 | 2.78 | 1.36 | 1.42 | -85.39 |
| MEENAKSHI | 79.10 | 0.00 | -79.10 | 4.89 | 0.00 | -4.89 | 1.26 | 2.67 | -1.41 | -270.30 |
| SIMHAPURI | 234.10 | 0.00 | -234.10 | 36.40 | 0.00 | -36.40 | 3.33 | 3.13 | 0.20 | -160.70 |
| LANKO KONDAPALLI | 164.05 | 0.00 | -164.05 | 0.00 | 0.00 | 0.00 | 4.05 | 0.71 | 3.35 | -12.85 |
| MB POWER | 0.00 | 0.00 | 0.00 | 15.13 | 0.00 | -15.13 | 3.00 | 0.72 | 2.28 | -73.08 |
| KORBA WEST POWER | 28.59 | 0.00 | -28.59 | 49.73 | 0.00 | -49.73 | 6.81 | 1.57 | 5.23 | 2.66 |
| GMR CHHATTISGARH | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.66 | 0.00 | 2.66 | 1.41 |
| DGEN MEGA POWER | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.82 | 1.41 | 1.41 | -56.36 |
| JAYPEE NIGRIE | 0.00 | 0.00 | 0.00 | 61.49 | 0.00 | -61.49 | 11.73 | 6.60 | 5.13 | 0.58 |
| DHARIWAL POWER | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.58 | 0.00 | 0.58 | 0.62 |
| DB POWER | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.62 | 0.00 | 0.62 | -193.62 |
| JINDAL STAGE-II | 147.01 | 0.00 | -147.01 | 46.61 | 0.00 | -46.61 | 0.00 | 0.00 | 0.00 | 1.24 |
| ESSAR POWER | 0.07 | 0.00 | -0.07 | 0.00 | 0.00 | 0.00 | 1.30 | 0.00 | 1.30 | -3.30 |
| KSK MAHANADI | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.38 | 3.68 | -3.30 | 241.49 |
| ESSAR STEEL | 0.00 | 5.43 | 5.43 | 0.00 | 231.35 | 231.35 | 19.83 | 15.12 | 4.71 | -0.19 |
| VANDANA VIDYUT | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.19 | -0.19 | -35.33 |
| EMCO | 36.92 | 0.00 | -36.92 | 0.66 | 0.00 | -0.66 | 3.41 | 1.16 | 2.25 | -75.97 |
| DCPP | 0.00 | 0.00 | 0.00 | 86.01 | 0.00 | -86.01 | 11.76 | 1.73 | 10.03 | 0.70 |
| CGPL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 10.19 | 9.49 | 0.70 | 4.18 |
| RGPPL(DABHOL) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.19 | 0.02 | 4.18 | 33.43 |
| BALCO | 0.00 | 0.00 | 0.00 | 0.00 | 28.14 | 28.14 | 8.26 | 2.97 | 5.29 | -46.33 |
| ACBIL | 9.36 | 0.00 | -9.36 | 41.25 | 0.00 | -41.25 | 4.93 | 0.65 | 4.28 | 1.92 |
| NSPCL | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 6.81 | 4.89 | 1.92 | 0.57 |
| LANKO_AMK | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.40 | 0.83 | 0.57 | -96.65 |
| JINDAL POWER | 95.89 | 0.00 | -95.89 | 7.90 | 0.00 | -7.90 | 9.97 | 2.83 | 7.14 | 0.16 |
| URI-2 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.44 | 0.28 | 0.16 | -4.42 |
| MALANA | 0.00 | 0.00 | 0.00 | 5.39 | 0.00 | -5.39 | 1.48 | 0.51 | 0.96 | 0.13 |
| ADANI HVDC | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.13 | 0.00 | 0.13 | -43.06 |

Source: NLDC

^{*} in case of a State, the entities which are "selling" also include generators connected to State grid and the entities which are "buying" also include open access consumers.

^{** (-)} indicates sale and (+) indicates purchase,
*** Total net includes net of transactions through bilateral, power exchange and DSM



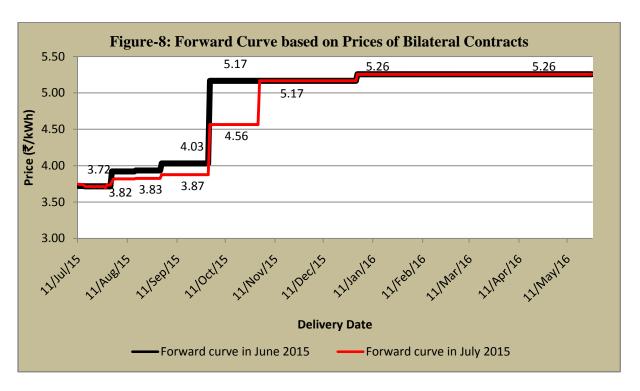


Table-20: VOLUME AND PRICE OF RENEWABLE ENERGY CERTIFICATES (RECs) TRANSACTED THROUGH POWER EXCHANGES, JUNE 2015 **IEX PXIL** Sr.No. **Details of REC Transactions** Non Solar Non-Solar Solar Solar Α Volume of Buy Bid 22682 128180 966 33665 В Volume of Sell Bid 1645873 7976449 4016016 556221 Ratio of Buy Bid to Sell Bid Volume С 0.01 0.02 0.002 0.01 D Market Clearing Volume (MWh) 22682 128180 966 33665 Ε Market Clearing Price (`/MWh) 3500 1500 3500 1500

Source: IEX and PXIL

Note 1: 1 REC = 1 MWh

Note 2:

| Forbearance and Floor Price w.e.f 1st March 2015 | | |
|--|---------------------------|---------------------------------|
| Type of REC | Floor Price (₹/MWh) | Forbearance Price (₹/MWh) |
| Solar | 3500.00 | 5800.00 |
| Non-Solar | 1500.00 | 3300.00 |