



# Monthly Report on Short-term Transactions of Electricity in India

January, 2021



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## Abbreviations

Abbreviation	Expanded Version
ABSP_ANTP	Acme Bhiwadi Solar Power Private Limited, Anantpur
ACBIL	ACB ( India) Limited
ACP	Area Clearing Price
ACV	Area Clearing Volume
ACME_SLR	ACME Solar Power Project
ACME_RUMS	Acme Rewa Ultra Mega Solar Project
ADANI GREEN	Adani Green Energy Limited
ADY1_PVGD	Adyah Solar Energy Pvt Ltd., Block 1 Pavagada Solar Park
ADY2_PVGD	Adyah Solar Energy Pvt Ltd., Block 2 Pavagada Solar Park
ADY3_PVGD	Adyah Solar Energy Pvt Ltd., Block 3 Pavagada Solar Park
ADY6_PVGD	Adyah Solar Energy Pvt Ltd., Block 6 Pavagada Solar Park
ADY10_PVGD	Adyah Solar Energy Pvt Ltd., Block 10 Pavagada Solar Park
ADY13_PVGD	Adyah Solar Energy Pvt Ltd., Block 13 Pavagada Solar Park
AGEMPL BHUJ	Adani Green Energy (MP) Ltd., Bhuj
AHSP_ANTP	Acme Hisar Solar Power Private Limited, Anantpur
AKS_PVGD	ACME Kurukshetra Solar Energy Pvt. Ltd
AKSP_ANTP	Acme Karnal Solar Power Private Limited, Anantpur
ALFANAR_BHUJ	Alfanar Group Wind Project, Bhuj, Gujarat
AMPS Hazira	Arcelor Mittal Nippon Steel, Hazira
APTEL	Appellate Tribunal for Electricity
ARERJL_SLR	Adani Renewable Energy Park Rajasthan Ltd.
ARINSUM_RUMS	Solenergi Rewa Ultra Mega Solar Project
ARS_PVGD	ACME REWARI Solar Power Pvt Ltd.
ASEJTL_SLR	Adani Solar Energy Jodhpur Two Ltd.
AVAADA1_PVGD	Avaada Solar Energy Private Ltd., Pavagada Project 1
AVAADA2_PVGD	Avaada Solar Energy Private Ltd., Pavagada Project 2
AYANA_NPKUNTA	Ayana Power, NP Kunta
AZURE_ANTP	Azure Power, Anantpur
AZURE_PVGD	Azure Power, Pavagada
AZURE_SLR	Azure Power Solar Power Project
AZURE34_SLR	Azure Power 34 Pvt. Ltd. Solar Power Project
BALCO	Bharat Aluminum Company Limited
BARC	Bhabha Atomic Research Centre
BBMB	Bhakra Beas Management Board
BETAM_TCN	Betam Wind Energy Private Limited, Tuticorin
BHADRAVATHI HVDC	Bhadravathi High Voltage Direct Current Link
BRBCL	Bhartiya Rail Bijlee Company Limited
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CGPL	Coastal Gujarat Power Limited
CHUKHA HEP	Chhukha Hydroelectric Project, Bhutan
CHUZACHEN HEP	Chuzachen Hydro Electric Power Project
CLEAN_SLR	Clean Solar Power Pvt. Ltd
COASTGEN	Coastal Energen Private Limited
DAGACHU	Dagachhu Hydro Power Corporation
DAM	Day Ahead Market
DB POWER	Diligent Power Pvt. Ltd.
DCPP	Donga Mahua Captive Power Plant

DGEN MEGA POWER	DGEN Mega Power Project
DHARIWAL POWER	Dhariwal Power Station
DIKCHU HEP	Dikchu Hydro-electric Project, Sikkim
DOYANG HEP	Doyang Hydro Electric Project
DSM	Deviation Settlement Mechanism
DVC	Damodar Valley Corporation
EMCO	EMCO Energy Limited
ESSAR POWER	Essar Power Limited
ESSAR STEEL	Essar Steel Ltd
FORTUM1_PVGD	Fortum Finnsurya Energy Private Ltd, Pavagada Project 1
FORTUM2_PVGD	Fortum Finnsurya Energy Private Ltd, Pavagada Project 2
FRV_ANTP	Fotowatio Renewable Ventures, Anantapur
FRV_NPK	Fotowatio Renewable Ventures, NP Kunta
GIWEL_BHUI	Green infra wind energy Limited, Bhuj
GIWEL_TCN	Green Infra Wind Energy Limited, Tuticorin
GMR CHHATTISGARH	GMR Chhattisgarh Energy Limited
GMR KAMALANGA	GMR Kamalanga Energy Ltd.
G-TAM	Green Term Ahead Market
HVDC ALPD	Alipurduar High Voltage Direct Current Link
HVDC CHAMPA	Champa-Kurukshetra High Voltage Direct Current Link
HVDC PUS	Pasauli High Voltage Direct Current Link
HVDC RAIGARH	Raigarh-Pugalur High Voltage Direct Current Link
IEX	Indian Energy Exchange Limited
IGSTPS	Indira Gandhi Super Thermal Power Station Jhajjar
IL&FS	Infrastructure Leasing & Financial Services Limited
INOX_BHUI	INOX Wind Limited, Bhuj, Gujarat
J&K	Jammu & Kashmir
JAYPEE NIGRIE	Jaypee Nigrie Super Thermal Power Project
JHABUA POWER MP	Jhabua Thermal Power Project
JINDAL POWER	Jindal Power Limited
JINDAL STAGE-II	Jindal Power Ltd Stage II
JITPL	Jindal India Thermal Power Ltd.
JORETHANG	Jorethang Loop Hydroelectric Power Project
KAPP 3&4	Kakrapar Atomic Power Station Unit 3 & 4
KARCHAM WANGTOO	Karcham Wangtoo H.E. Project
KORBA WEST POWER	Korba West Power Company Limited
KOTESHWAR	Koteshwar Hydro Power project
KREDL_PVGD	Karnataka Renewable Energy Development Ltd, Pavagada
KSK MAHANADI	KSK Mahanadi Power Ltd
KSMPL_SLR	Kilaj Solar (Maharashtra) Private Limited
KURICHU HEP	Kurichhu Hydro-electric Power Station, Bhutan
LANKO_AMK	Lanco Amarkantak Power Private Limited
LANKO BUDHIL	Lanco Budhil Hydro Power Private Limited
LANKOKONDAPALLY	Lanco Kondapally Power Private Limited
LOKTAK	Loktak Power Project
MAHINDRA_RUMS	Mahindra Rewa Ultra Mega Solar Project
MAHOBASLR	Mahoba Solar Power Project
MALANA	Malana Hydroelectric Plant
MANGDECHU HEP	Mangdechhu Hydroelectric Project, Mangdechhu River, Bhutan
Maruti Coal	Maruti Clean Coal and Power Limited

MB POWER	MB Power Ltd
MEENAKSHI	Meenakshi Energy Private Limited
MP	Madhya Pradesh
MTPS II	Muzaffarpur Thermal Power Station – Stage II
MYTRAH_TCN	Mytrah Energy (India) Private Limited, Tuticorin
Mus	Million Units
NAPP	Narora Atomic Power Plant
NEEPCO	North Eastern Electric Power Corporation Limited
NEP	Nepal
NFL	National Fertilisers Limited
NHPC STATIONS	National Hydro Electric Power Corporation Ltd. Stations
NJPC	Nathpa Jhakri Hydroelectric Power Station
NLC	Neyveli Lignite Corporation Limited
NLDC	National Load Dispatch Centre
NPGC	Nabinagar Power Generating Company (Pvt.) Limited
NSPCL	NTPC - SAIL Power Company Private Limited
NTECL Vallur	NTPC Tamil Nadu Energy Company Limited Vallur
NTPC_ANTP	NTPC Anantapur
NTPC STATIONS	National Thermal Power Corporation Ltd. Stations
NTPL	NLC Tamil Nadu Power Limited
NVVN	NTPC Vidyut Vyapar Nigam Limited
ONGC Platana	ONGC Tripura Power Company
OPGC	Odisha Power Generation Corporation
ORANGE_TCN	Orange Renewable Power Pvt. Ltd, Tuticorin
OSTRO	Ostro Energy Private Limited
OTC	Over The Counter
PARAM_PVGD	Parampujya Solar Energy Private Ltd
PARE HEP	Pare hydroelectric project, Arunachal Pradesh
PX	Power Exchange
PXIL	Power Exchange India Limited
RAIL	Indian Railways
RAMPUR HEP	Rampur Hydro Electric Power Project
RANGIT HEP	Rangit Hydroelectric power project
RANGANADI HEP	Ranganadi Hydro Electric Power Project, Arunachal Pradesh
RAP-B	Rajasthan Atomic Power Plant-B
RAP-C	Rajasthan Atomic Power Plant-C
REC	Renewable Energy Certificate
REGL	Raigarh Energy Generation Limited
RENEW_BHACHAU	ReNew Power Limited, Bhachau
RENEW_BHUJ	ReNew Power Limited, Bhuj
RENEW_PVGD	ReNew Wind Energy (TN2) Private Limited
RENEW_SLR	Renew Solar
RENEW_SLR_BKN	Renew Solar Bikaner
RGPPL_IR	Ratnagiri Gas and Power Private Ltd., supply to Indian Railways
RGPPL_OTHER	Ratnagiri Gas and Power Private Limited
RLDC	Regional Load Dispatch Centre
RPREL	Raipur Energen Limited
RTC	Round The Clock
RTM	Real Time Market
Sasan UMPP	Sasan Ultra Mega Power Project

SB_SLR	Soft Bank Solar
SBG CLEANTECH_SLR	SBG Cleantech Ltd
SBG_NPK	SB Energy Solar Private Limited, NP Kunta
SBG_PVGD	SB Energy Solar Private Limited, Pavagada
SEMBCORP	Sembcorp Gayatri Power Ltd
SHREE CEMENT	Shree Cement Limited
SIMHAPURI	Simhapuri Energy Private Limited
SKS Power	SKS Power Generation Chhattisgarh Limited
SINGOLI BHATWARI HEP	Singoli-Bhatwari Hydroelectric Project, Uttarakhand
SPECTRUM	Spectrum Power Generation Ltd
SPRNG_NPKUNTA	Sprng Energy, NP Kunta
TALA HEP	Tala Hydroelectric Project, Bhutan
TASHIDENG HEP	Tashiding Hydro Electric Project, Sikkim
TATA_ANTP	TATA Power Anantapur
TATA_PVGD	Tata Power Renewable Energy Ltd
TATA_SLR	Tata Solar
TEESTA STG3	Teesta Stage 3 Hydro Power Project
TEHRI	Tehri Hydro Electric Power Project
TAM	Term Ahead Market
THERMAL POWERTECH	Thermal Powertech Corporation India Limited
URI-II	Uri-II Hydropower Project
VINDHYACHAL HVDC	Vindhyachal High Voltage Direct Current Link
YARROW_PVGD	Yarrow Infra Structure Private Ltd

## 1.Introduction

1.1. 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) 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 provide information on volume and price of Renewable Energy Certificates (RECs) transacted through power exchanges; and (v) to disclose/disseminate all relevant market information. The details of the report for the month of **January, 2021** are as under:

## 2. Volume of Short-term Transactions of Electricity

2.1. During January 2021, total electricity generation excluding generation from renewable and captive power plants in India was 108420.10 MUs (Table-1). Of the total electricity generation, 13.37% was transacted through short-term, comprising of 6.28% through Day Ahead Market (DAM) and Real Time Market (RTM) of power exchanges, followed by 5.27% through bilateral (through traders and term-ahead contracts on power exchanges and directly between distribution companies) and 1.81% through DSM (Table-1 & Figure-1).

2.2. Of the total short-term transactions (14494.68 MUs), the electricity transacted in DAM and RTM of power exchanges constitutes 46.98%, followed by 39.44% through bilateral (25.49% through traders and term-ahead contracts on power exchanges and 13.96% directly between distribution companies) and 13.58% through DSM (Table-1 & Figure-2). Daily volume of short-term transactions is shown in Table-21 & Figure-4.

2.3. Of the total volume of electricity transacted through power exchanges, 69.27% of the volume was transacted in DAM, followed by 15.41% in Term Ahead Market (TAM) (including G-TAM) and 15.32% in RTM (Figure-3).



2.4. 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-5. The volume of electricity transacted by the trading licensees includes bilateral transactions and the transactions undertaken through power exchanges. There were 34 trading licensees as on January 2021. In January 2021, 23 trading licensees were engaged in short term trading. Top 5 trading licensees had a share of 80.64% in the total volume traded by all the licensees. These are PTC India Ltd., Adani Enterprises Ltd., GMR Energy Trading Ltd., Tata Power Trading Company (P) Ltd. and Manikaran Power Ltd.

2.5. Herfindahl-Hirschman Index (HHI) has been used for measuring the competition among the trading licensees. Increase in the HHI generally indicates decrease in competition and increase of market concentration, and vice versa. The HHI below 0.15 indicates non-concentration, HHI between 0.15 and 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 0.2134 for the month of January 2021, which indicates moderate concentration of market power (Table-2).

2.6. The volume of electricity transacted in the DAM of IEX and PXIL was 5568.60 MUs and 7.63 MUs respectively. The volume of total buy bids and sell bids was 6929.16 MUs and 10074.05 MUs respectively in IEX, while the same was 22.92 MUs and 104.66 MUs respectively in PXIL.

2.7. The volume of electricity transacted in the RTM of IEX was 1233.31 MUs. No electricity was transacted in the RTM of PXIL. The volume of total buy bids and sell bids was 1517.29 MUs and 3032.04 MUs respectively in IEX, while there were no bids in PXIL. The variation in the volume of buy bids and sell bids placed through power exchanges shows variation in the demand and supply position.

2.8. The volume of electricity transacted in the TAM of IEX and PXIL was 524.08 MUs and 626.10 MUs respectively (Table-7 & Table-8). The volume of electricity transacted in the Green Term Ahead Market (G-TAM) of IEX was 90.11 MUs (Table-9).

### 3. Price of Short-term Transactions of Electricity

3.1. **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 ₹2.44/kWh, ₹4.70/kWh and ₹3.02/kWh respectively (Table-3). The weighted average sale prices were also computed for the electricity transacted during Round the Clock (RTC) and Off-peak periods separately, and the sale prices were ₹2.93/kWh and ₹3.11/kWh respectively. No electricity was transacted during the Peak period (Table-4).

3.2. **Price of electricity transacted through Power Exchanges:** The minimum, maximum and weighted average prices for the electricity transacted in the DAM of IEX were ₹1.55/kWh, ₹8.00/kWh and ₹3.41/kWh respectively. These prices in the DAM of PXIL were ₹1.51/kWh, ₹6.71/kWh and ₹4.16/kWh respectively (Table-5). The minimum, maximum and weighted average prices for the electricity transacted in the RTM of IEX were ₹0.40/kWh, ₹9.00/kWh and ₹3.27/kWh respectively (Table-6). The price of electricity transacted in the TAM of IEX and PXIL was ₹2.67/kWh and ₹2.82/kWh respectively (Table-7 and Table-8). The price of electricity transacted in the G-TAM of IEX was ₹4.38/kWh (Table-9).

3.3. **Price of electricity transacted through DSM:** The minimum, maximum and average price of DSM was ₹0.00/kWh and ₹8.00/kWh ₹2.98/kWh respectively (Table-10).

3.4. The prices of electricity transacted through trading licensees, power exchanges and DSM and their comparison is shown in Table-22 & 23, Figure-6&7.

### 4. Trading Margin

4.1. As per the CERC (Procedure, Terms and Conditions for grant of trading licence and other related matters) Regulations 2020, the trading licensees are allowed to charge trading margin of not less than 0 paise/kWh and upto 7 paise/kWh. The weighted average trading margin charged by the trading licensees for bilateral transactions during the month was ₹0.021/kWh.

## 5. Volume of Short-term Transactions of Electricity (Regional Entity<sup>1</sup>-Wise)

5.1. Of the total bilateral transactions, top 5 regional entities sold 46.14% of the volume, and these were Punjab, Raipur Energen Limited, Sembcorp Gayatri Power Ltd., Uttar Pradesh and Jindal Power Limited. Top 5 regional entities purchased 59.80% of the volume, and these were Madhya Pradesh, Punjab, Himachal Pradesh, Rajasthan and Telangana (Table-11&12).

5.2. Of the total DAM transactions of power exchanges, top 5 regional entities sold 45.62% of the volume, and these were West Bengal, Uttar Pradesh, Odisha, Gujarat and Jaypee Nigrie Super Thermal Power Project. Top 5 regional entities purchased 57.76% of the volume, and these were Telangana, Gujarat, Andhra Pradesh, Maharashtra and Tamil Nadu, (Table-13 & 14).

5.3. Of the total RTM transactions of power exchanges, top 5 regional entities sold 47.52% of the volume, and these were Odisha, Madhya Pradesh, Uttar Pradesh, West Bengal and Neyveli Lignite Corporation. Top 5 regional entities purchased 67.74% of the volume, and these were Jammu & Kashmir, Telangana, Rajasthan, Andhra Pradesh and Gujarat (Table-15 & 16).

5.4. Of the total DSM transactions, top 5 regional entities under drew 29.47% of the volume, and these were NTPC Stations (Western Region), Madhya Pradesh, Maharashtra, Uttar Pradesh and Karnataka (Table-17). Top 5 regional entities overdrew 19.64% of the volume, and these were Rajasthan, NTPC Stations (Northern Region), Gujarat, NTPC Stations (Western Region) and Uttar Pradesh (Table-18).

5.5. The total volume of net short-term transactions of electricity (Regional entity-wise) i.e. volume of net transactions through bilateral, power exchanges and DSM is shown in Table-19 & 24. Top 5 electricity selling regional entities were Uttar Pradesh, Raipur Energen Limited, Odisha, Sembcorp Gayatri Power Ltd. and West Bengal. Top 5 electricity purchasing regional entities were Telangana, Rajasthan, Andhra Pradesh, Jammu & Kashmir and Madhya Pradesh.

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<sup>1</sup> 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.

## **6. Congestion<sup>2</sup> on Inter-State Transmission Corridor for Day-Ahead Market and Real Time Market on Power Exchanges**

6.1. The 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”<sup>3</sup>.

6.2. In the month of January 2021, congestion occurred in RTM of IEX only. There was no congestion on PXIL. The details of congestion are shown in Table-20. The volume of electricity that could not be cleared due to congestion & other reasons and could not be transacted through power exchanges is the difference between unconstrained cleared volume and actual cleared volume.

6.3. During the month, the volume of electricity that could not be cleared in RTM on IEX was 0.19% of the unconstrained cleared volume. In terms of time, congestion occurred was 0.54% in the RTM on IEX (Table-19).

## **7. Volume and Price of Renewable Energy Certificates (RECs)**

7.1. 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

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<sup>2</sup> “Congestion” means a situation where the demand for transmission capacity exceeds the available transfer capability

<sup>3</sup> “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”  
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.

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.

7.2. 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 was held on power exchanges in May, 2011.

7.3. There were no transactions of REC in the month of January 2021 as the scheduled trading was postponed by Hon'ble APTEL in matter of the CERC order fixing new floor and forbearance price for both Solar and Non-solar RECs.

## **8. Inferences:**

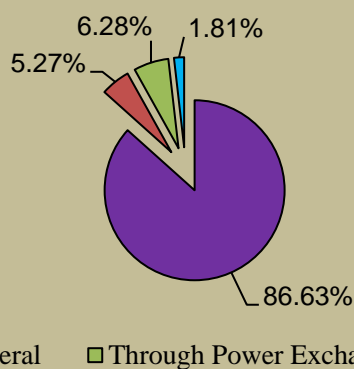
- (1) The percentage of short-term transactions of electricity to total electricity generation was 13.37%.
- (2) Of the total short-term transactions, the electricity transacted in DAM and RTM of power exchanges constitutes 46.98%, followed by 39.44% through bilateral (25.49% through traders and term-ahead contracts on power exchanges and 13.96% directly between distribution companies) and 13.58% through DSM.
- (3) Of the total volume transacted through the power exchanges, 69.27% of the volume was transacted in DAM, followed by 15.41% in TAM and 15.32% in RTM.
- (4) Top 5 trading licensees had a share of 80.64% in the total volume traded by all the trading licensees.
- (5) The Herfindahl Hirschman Index computed for the volume of electricity traded by trading licensees was 0.2134, indicating moderate concentration of market power.
- (6) The weighted average price of electricity transacted through trading licensees was ₹3.02/kWh.

- (7) The weighted average price of electricity transacted in TAM of IEX and PXIL was ₹2.67/kWh and ₹2.82/kWh respectively. The weighted average price of electricity transacted in G-TAM of IEX was ₹4.38/kWh
- (8) The weighted average price of electricity transacted in DAM of IEX and PXIL was ₹3.41/kWh and ₹4.16/kWh. The weighted average price of electricity transacted in RTM of IEX was ₹3.27/kWh. No electricity was transacted in the RTM of PXIL.
- (9) The average price of electricity transacted through DSM was ₹2.98/kWh.
- (10) The weighted average trading margin charged by the trading licensees for bilateral transactions was ₹0.021/kWh. The trading margin charged during the month was in line with the Trading Margin Regulations 2020.
- (11) Top 5 electricity selling regional entities were Uttar Pradesh, Raipur Energen Limited, Odisha, Sembcorp Gayatri Power Ltd. and West Bengal. Top 5 electricity purchasing regional entities were Telangana, Rajasthan, Andhra Pradesh, Jammu & Kashmir and Madhya Pradesh.
- (12) In the month of January 2021, congestion occurred in RTM of IEX only. During the month, the volume of electricity that could not be cleared in RTM on IEX was 0.19% of the unconstrained cleared volume. In terms of time, congestion occurred was 0.54% in the RTM on IEX
- (13) There were no transactions of REC on both the power exchanges in the month of January 2021, as the scheduled REC trading sessions were postponed by the order of Hon'ble APTEL.

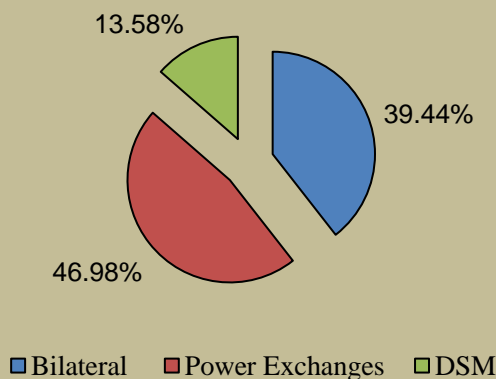
<b>Table-1: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (ALL INDIA), JANUARY 2021</b>				
<b>Sr. No</b>	<b>Short-term transactions</b>	<b>Volume (MUs)</b>	<b>% to Volume of short-term transactions</b>	<b>% to Total Generation</b>
1	Bilateral	5717.37	39.44	5.27
	(i) Through Traders and PXs	3694.49	25.49	3.41
	(ii) Direct	2022.88	13.96	1.87
2	Through Power Exchanges	6809.54	46.98	6.28
	(i) IEX			
	(a) DAM	5568.60	38.42	5.14
	(b) RTM	1233.31	8.51	1.14
	(ii)PXIL			
	(a) DAM	7.63	0.05	0.01
	(b) RTM	0.00	0.00	0.00
3	Through DSM	1967.77	13.58	1.81
	<b>Total</b>	<b>14494.68</b>	<b>-</b>	<b>13.37</b>
	<b>Total Generation</b>	<b>108420.10</b>	<b>-</b>	<b>-</b>

Source: NLDC

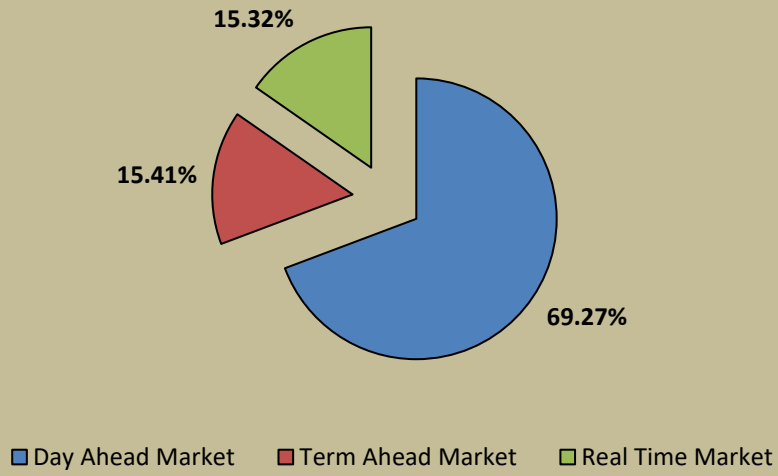
**Figure-1: Volume of Various Kinds of Electricity Transactions in Total Electricity Generation, January 2021**



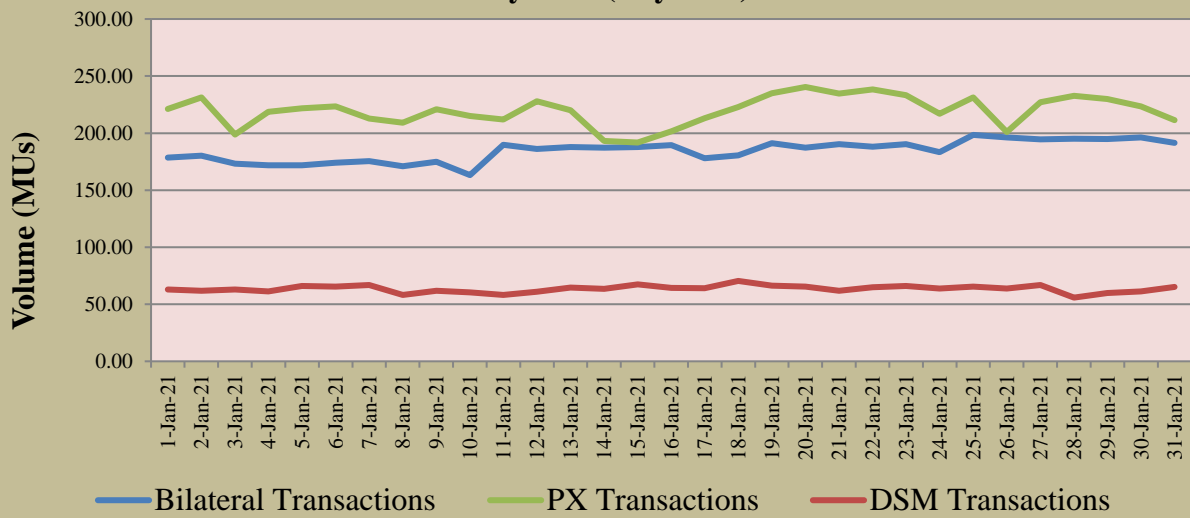
**Figure-2: Volume of Short-term Transactions of Electricity, January 2021**



**Figure-3: Volume transacted in different markets segments on Power Exchanges, January 2021**

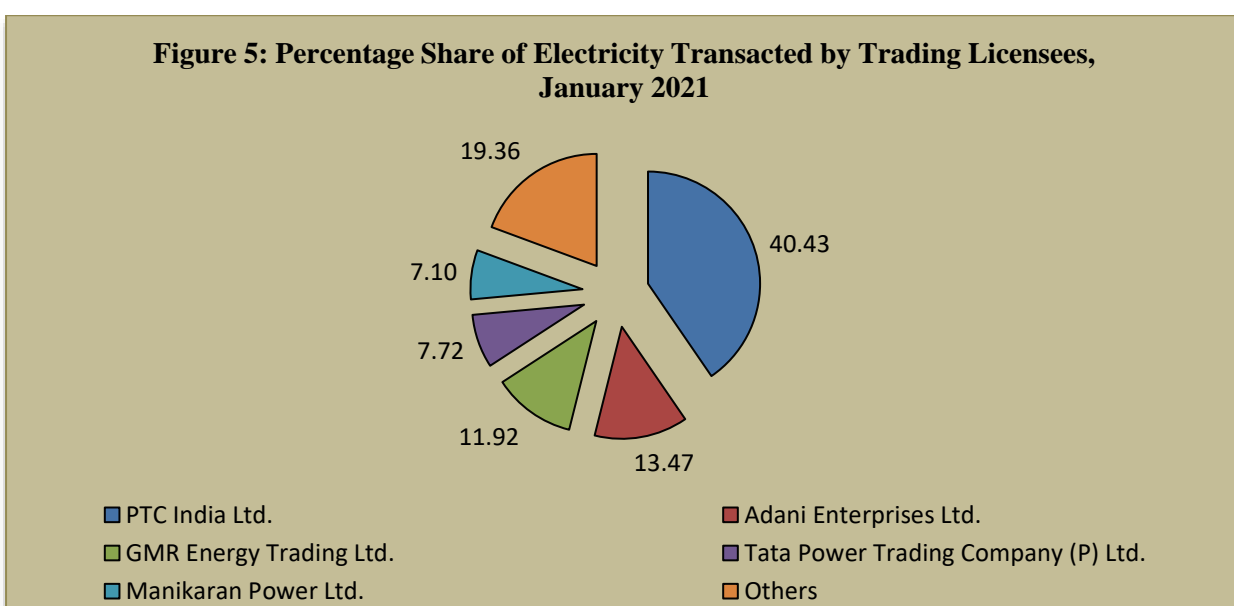


**Figure-4: Volume of Short-term Transactions of Electricity, January 2021 (Day-wise)**





<b>Table-2: PERCENTAGE SHARE OF ELECTRICITY TRANSACTED BY TRADING LICENSEES, JANUARY 2021</b>			
<b>Sr.No</b>	<b>Name of the Trading Licensee</b>	<b>% Share in total Volume transacted by Trading Licensees</b>	<b>Herfindahl-Hirschman Index</b>
1	PTC India Ltd.	40.43	0.1634
2	Adani Enterprises Ltd.	13.47	0.0182
3	GMR Energy Trading Ltd.	11.92	0.0142
4	Tata Power Trading Company (P) Ltd.	7.72	0.0060
5	Manikaran Power Ltd.	7.10	0.0050
6	NTPC Vidyut Vyapar Nigam Ltd.	6.19	0.0038
7	Arunachal Pradesh Power Corporation (P) ltd	3.58	0.0013
8	Kreate Energy (I) Pvt. Ltd.	3.13	0.0010
9	National Energy Trading & Services Ltd.	1.38	0.0002
10	JSW Power Trading Company Ltd	0.93	0.0001
11	Essar Electric Power Development Corp. Ltd.	0.68	0.0000
12	Knowledge Infrastructure Systems (P) Ltd	0.63	0.0000
13	RPG Power Trading Company Ltd.	0.62	0.0000
14	Instinct Infra & Power Ltd.	0.59	0.0000
15	NLC India Ltd.	0.31	0.0000
16	Refex Energy Limited	0.30	0.0000
17	Statkraft Markets Pvt. Ltd.	0.28	0.0000
18	Abja Power Private Limited	0.23	0.0000
19	Jaiprakash Associates Ltd.	0.22	0.0000
20	Gita Power & Infrastructure Private Limited	0.18	0.0000
21	Shree Cement Ltd.	0.08	0.0000
22	Phillip Commodities India (P) Ltd.	0.02	0.0000
23	Customized Energy Solutions India (P) Ltd.	0.01	0.0000
<b>TOTAL</b>		<b>100.00%</b>	<b>0.2134</b>
<b>Top 5 trading licensees</b>		<b>80.64%</b>	
<i>Note 1: Volume of electricity transacted by the trading licensees includes bilateral transactions (inter-state &amp; intra-state) and the transactions undertaken through power exchanges.</i>			
<i>Note 2: Volume of electricity transacted by Global Energy Ltd is not included.</i>			
<i>Source: Information submitted by trading licensees</i>			



**Table-3: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS, JANUARY 2021**

Sr.No	Item	Sale Price of Traders (₹/kWh)
1	Minimum	2.44
2	Maximum	4.70
3	Weighted Average	3.02

*Source: Information submitted by trading licensees*

**Table-4: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS (TIME-WISE), JANUARY 2021**

Sr.No	Period of Trade	Sale Price of Traders (₹/kWh)
1	RTC	2.93
2	PEAK	-
3	OFF PEAK	3.11

*Source: Information submitted by trading licensees*

**Table-5: PRICE OF ELECTRICITY TRANSACTED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, JANUARY 2021**

Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	1.55	1.51
2	Maximum	8.00	6.71
3	Weighted Average	3.41	4.16

*Source: Information submitted by IEX and PXIL*

**Table-6: PRICE OF ELECTRICITY TRANSACTED IN REAL TIME MARKET THROUGH POWER EXCHANGES, JANUARY 2021**

Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	0.40	-
2	Maximum	9.00	-
3	Weighted Average	3.27	-

*Source: Information submitted by IEX and PXIL*

<b>Table-7: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF IEX, JANUARY 2021</b>			
<b>Sr.No</b>	<b>Term ahead contracts</b>	<b>Actual Scheduled Volume (MUs)</b>	<b>Weighted Average Price (₹/kWh)</b>
1	Intra-Day Contracts	1.76	3.36
2	Day Ahead Contingency Contracts	48.30	2.83
3	Daily Contracts	474.02	2.65
	<b>Total</b>	<b>524.08</b>	<b>2.67</b>

Source: IEX

<b>Table-8: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF PXIL, JANUARY 2021</b>			
<b>Sr.No</b>	<b>Term ahead contracts</b>	<b>Actual Scheduled Volume (MUs)</b>	<b>Weighted Average Price (₹/kWh)</b>
1	Intra-Day Contracts	33.35	3.71
2	Any Day(s) Contracts	592.75	2.76
	<b>Total</b>	<b>626.10</b>	<b>2.82</b>

Source: PXIL

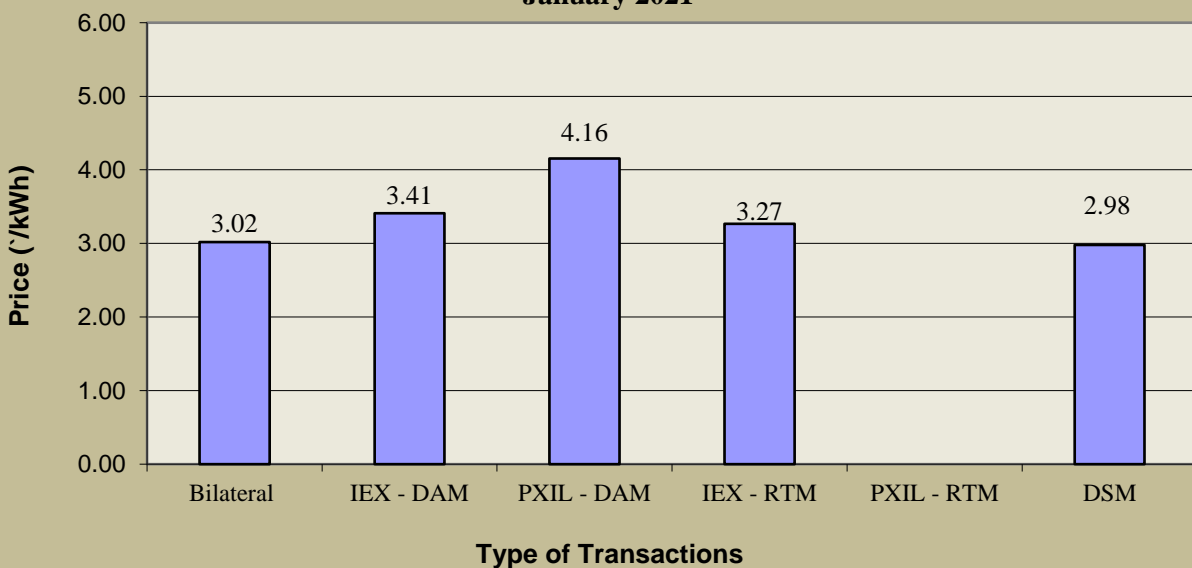
<b>Table-9: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF IEX, JANUARY 2021</b>			
<b>Sr.No</b>	<b>Green Term ahead contracts</b>	<b>Actual Scheduled Volume (MUs)</b>	<b>Weighted Average Price (₹/kWh)</b>
1	Intra-Day Contracts	0.375	4.35
2	Day Ahead Contingency Contracts	71.18	4.40
3	Daily Contracts	1.76	4.40
4	Weekly Contracts	16.80	4.30
	<b>Total</b>	<b>90.11</b>	<b>4.38</b>

Source: IEX

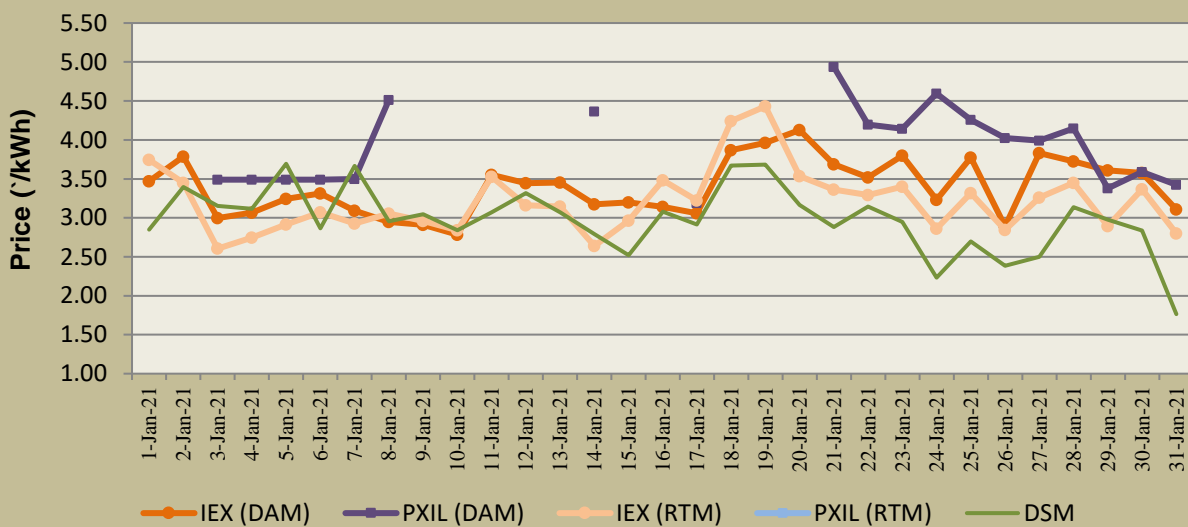
<b>Table-10: PRICE OF ELECTRICITY TRANSACTED THROUGH DSM, JANUARY 2021</b>		
<b>Sr.No</b>	<b>Item</b>	<b>Price in All India Grid (₹/kWh)</b>
1	Minimum	0.00
2	Maximum	8.00
3	Average	2.98

Source: NLDC

**Figure-6: Price of Short-term Transactions of Electricity, January 2021**



**Figure-7: Price of Short-term Transactions of Electricity, January 2021 (Day-wise)**



*Note: On PXIL, no electricity was transacted in RTM, while transactions in DAM were recorded only on 3<sup>rd</sup> – 8<sup>th</sup>, 14<sup>th</sup>, 17<sup>th</sup> and 21<sup>st</sup> – 31<sup>st</sup> January 2021.*

<b>Table-11: VOLUME OF ELECTRICITY SOLD THROUGH BILATERAL, JANUARY 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Sale (MUs)</b>	<b>% of Volume</b>
PUNJAB	1065.23	18.63
RPREL	540.12	9.45
SEMBCORP	448.93	7.85
UTTAR PRADESH	309.02	5.41
JINDAL POWER	274.48	4.80
RKM POWER	251.11	4.39
DELHI	235.90	4.13
GUJARAT	235.07	4.11
DVC	224.37	3.92
REGL	224.30	3.92
CHHATTISGARH	206.75	3.62
DB POWER	199.16	3.48
ESSAR POWER	136.61	2.39
HARYANA	133.57	2.34
JAYPEE NIGRIE	132.62	2.32
MB POWER	113.13	1.98
SKS POWER	105.07	1.84
JINDAL STAGE-II	103.25	1.81
ADHUNIK POWER LTD	97.06	1.70
KSK MAHANADI	95.71	1.67
KARNATAKA	87.44	1.53
JITPL	67.17	1.17
ONGC PALATANA	59.10	1.03
RAJASTHAN	44.68	0.78
NEEPCO STATIONS	40.38	0.71
J & K	36.30	0.63
BALCO	29.61	0.52
GMR KAMALANGA	26.50	0.46
TELANGANA	22.04	0.39
MP	21.47	0.38
DAGACHU	20.40	0.36
MEENAKSHI	17.66	0.31
IL&FS	14.09	0.25
JORETHANG	12.23	0.21
TASHIDENG HEP	12.08	0.21
MAHARASHTRA	11.76	0.21
ODISHA	9.60	0.17
LANKO_AMK	9.30	0.16
ANDHRA PRADESH	7.98	0.14
TRN ENERGY	7.44	0.13
CHUZACHEN HEP	7.00	0.12
HIMACHAL PRADESH	6.25	0.11
DIKCHU HEP	3.33	0.06
JHABUA POWER_MP	2.47	0.04
MEGHALAYA	2.14	0.04
TAMIL NADU	1.87	0.03
UTTARAKHAND	1.75	0.03
SIKKIM	1.26	0.02
WEST BENGAL	0.80	0.01
ACBIL	0.74	0.01
BIHAR	0.74	0.01
NTPC STATIONS-NER	0.05	0.001
NTPC STATIONS-ER	0.05	0.001
<b>Total</b>	<b>5717.13</b>	<b>100.00</b>
<b>Volume Sold by top 5 Regional Entities</b>	<b>2637.78</b>	<b>46.14</b>

<b>Table-12: VOLUME OF ELECTRICITY PURCHASED THROUGH BILATERAL, JANUARY 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Purchase (MUs)</b>	<b>% of Volume</b>
MP	1074.93	18.80
PUNJAB	796.30	13.93
HIMACHAL PRADESH	603.90	10.56
RAJASTHAN	571.26	9.99
TELANGANA	372.61	6.52
UTTARAKHAND	305.31	5.34
WEST BENGAL	233.07	4.08
TAMIL NADU	232.56	4.07
HARYANA	211.31	3.70
AMPS Hazira	182.49	3.19
NEPAL(NVVN)	180.20	3.15
ANDHRA PRADESH	112.23	1.96
UTTAR PRADESH	109.95	1.92
JHARKHAND	97.06	1.70
BIHAR	90.16	1.58
CHHATTISGARH	84.00	1.47
ODISHA	71.68	1.25
ASSAM	61.70	1.08
MEGHALAYA	56.21	0.98
MAHARASHTRA	47.98	0.84
DELHI	40.55	0.71
NEP	36.73	0.64
DVC	32.69	0.57
MANIPUR	27.76	0.49
GOA	22.30	0.39
BANGLADESH	17.66	0.31
DADRA & NAGAR HAVELI	16.39	0.29
SIKKIM	13.00	0.23
GUJARAT	6.71	0.12
KARNATAKA	5.43	0.09
ARUNACHAL PRADESH	2.58	0.05
DAMAN AND DIU	0.68	0.01
<b>TOTAL</b>	<b>5717.37</b>	<b>100.00</b>
<b>Volume Purchased by top 5 Regional Entities</b>	<b>3418.99</b>	<b>59.80</b>

<b>Table-13: VOLUME OF ELECTRICITY SOLD IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, JANUARY 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Sale (MUs)</b>	<b>% of Volume</b>
WEST BENGAL	726.91	13.04
UTTAR PRADESH	698.36	12.52
ODISHA	577.81	10.36
GUJARAT	280.12	5.02
JAYPEE NIGRIE	260.66	4.67
MP	250.53	4.49
RAJASTHAN	188.76	3.39
SEMBCORP	171.15	3.07
JINDAL POWER	166.53	2.99
RPREL	163.33	2.93
BIHAR	151.40	2.72
DB POWER	144.89	2.60
KARNATAKA	133.14	2.39
TEESTA STG3	132.25	2.37
JITPL	124.39	2.23
ASSAM	118.80	2.13
REGL	115.55	2.07
DELHI	102.50	1.84
MB POWER	87.23	1.56
EMCO	85.48	1.53
JINDAL STAGE-II	82.53	1.48
THERMAL POWERTECH	81.49	1.46
HIMACHAL PRADESH	73.96	1.33
ESSAR POWER	51.08	0.92
MARUTI COAL	45.44	0.81
HARYANA	44.15	0.79
MAHARASHTRA	41.24	0.74
TELANGANA	37.67	0.68
CHHATTISGARH	33.31	0.60
GOA	31.10	0.56
KERALA	30.81	0.55
BALCO	27.28	0.49
JHABUA POWER_MP	24.73	0.44
TRIPURA	21.28	0.38
TAMIL NADU	18.59	0.33
ANDHRA PRADESH	18.48	0.33
ACBIL	17.89	0.32
SKS POWER	17.39	0.31
NTPC STATIONS-WR	16.97	0.30
RKM POWER	16.16	0.29
SPECTRUM	14.13	0.25
KARCHAM WANGTOO	12.62	0.23
NTPC STATIONS-NER	12.57	0.23
GMR KAMALANGA	11.72	0.21
SINGOLI BHATWARI HEP	11.68	0.21
AD HYDRO	11.35	0.20
IL&FS	9.86	0.18
SAINJ HEP	9.43	0.17
SIKKIM	8.15	0.15

NTPC STATIONS-ER	7.31	0.13
NTPL	7.24	0.13
NLC	7.13	0.13
ADHUNIK POWER LTD	7.00	0.13
NTPC STATIONS-SR	5.90	0.11
DVC	4.78	0.09
DIKCHU HEP	3.86	0.07
ARUNACHAL PRADESH	3.86	0.07
JHARKHAND	3.35	0.06
MIZORAM	2.96	0.05
PUNJAB	2.71	0.05
JORETHANG	1.66	0.03
TASHIDENG HEP	1.26	0.02
CHUZACHEN HEP	1.12	0.02
CHANDIGARH	0.90	0.02
DHARIWAL POWER	0.80	0.01
ONGC PALATANA	0.73	0.01
DADRA & NAGAR HAVELI	0.52	0.01
LANCO BUDHIL	0.31	0.01
DGEN MEGA POWER	0.004	0.0001
<b>Total</b>	<b>5576.24</b>	<b>100.00</b>
<b>Volume sold by top 5 Regional Entities</b>	<b>2543.86</b>	<b>45.62</b>



**Table-14: VOLUME OF ELECTRICITY PURCHASED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, JANUARY 2021**

<b>Name of the Entity</b>	<b>Volume of Purchase (MUs)</b>	<b>% of Volume</b>
TELANGANA	996.78	17.88
GUJARAT	706.01	12.66
ANDHRA PRADESH	580.15	10.40
MAHARASHTRA	494.83	8.87
TAMIL NADU	442.88	7.94
J & K	434.64	7.79
RAJASTHAN	310.42	5.57
DELHI	247.86	4.44
UTTAR PRADESH	232.12	4.16
HARYANA	173.23	3.11
AMPS Hazira	141.21	2.53
CHHATTISGARH	124.44	2.23
MP	96.53	1.73
PUNJAB	90.95	1.63
UTTARAKHAND	88.80	1.59
KERALA	55.19	0.99
BIHAR	53.93	0.97
JHARKHAND	51.86	0.93
DADRA & NAGAR HAVELI	49.29	0.88
HIMACHAL PRADESH	47.27	0.85
ASSAM	41.54	0.74
KARNATAKA	36.89	0.66
CHANDIGARH	17.23	0.31
ODISHA	13.08	0.23
DAMAN AND DIU	12.31	0.22
GOA	9.80	0.18
MEGHALAYA	8.95	0.16
ARUNACHAL PRADESH	6.59	0.12
WEST BENGAL	6.48	0.12
KAPP 3&4	3.65	0.07
MANIPUR	1.04	0.02
NAGALAND	0.29	0.01
<b>TOTAL</b>	<b>5576.24</b>	<b>100.00</b>
<b>Volume purchased by top 5 Regional Entities</b>	<b>3220.65</b>	<b>57.76</b>

<b>Table-15: VOLUME OF ELECTRICITY SOLD IN REAL TIME MARKET THROUGH POWER EXCHANGES, JANUARY 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Sale (MUs)</b>	<b>% of Volume</b>
ODISHA	158.32	12.84
MP	141.67	11.49
UTTAR PRADESH	112.20	9.10
WEST BENGAL	98.40	7.98
NLC	75.47	6.12
KARNATAKA	72.50	5.88
DELHI	48.96	3.97
TRIPURA	38.86	3.15
RAJASTHAN	38.33	3.11
SEBPCORP	33.85	2.74
RKM POWER	32.23	2.61
MB POWER	29.23	2.37
MEENAKSHI	26.30	2.13
NTPC STATIONS-WR	25.42	2.06
NTPC STATIONS-SR	24.29	1.97
NEEPCO STATIONS	22.95	1.86
EMCO	21.81	1.77
NTPL	17.74	1.44
J & K	15.60	1.27
RPREL	15.46	1.25
MANIPUR	14.47	1.17
JHABUA POWER_MP	12.39	1.00
HIMACHAL PRADESH	12.35	1.00
JINDAL STAGE-II	11.90	0.96
REGL	11.20	0.91
GUJARAT	11.01	0.89
TELANGANA	10.87	0.88
KERALA	10.33	0.84
DB POWER	9.88	0.80
NTPC STATIONS-ER	6.62	0.54
BALCO	6.52	0.53
DVC	5.74	0.47
HARYANA	4.93	0.40
SIKKIM	4.91	0.40
CHHATTISGARH	4.80	0.39
NTPC STATIONS-NR	4.49	0.36
SKS POWER	4.39	0.36
JINDAL POWER	4.34	0.35
THERMAL POWERTECH	4.00	0.32
MAHARASHTRA	3.86	0.31
SASAN UMPP	3.46	0.28
BIHAR	3.20	0.26
NTPC STATIONS-NER	2.77	0.22
ANDHRA PRADESH	2.11	0.17
TAMIL NADU	2.07	0.17
IL&FS	1.94	0.16
MARUTI COAL	1.84	0.15
GMR KAMALANGA	1.54	0.13
BRBCL,NABINAGAR	0.98	0.08

PUNJAB	0.96	0.08
SPECTRUM	0.80	0.06
ONGC PALATANA	0.76	0.06
CGPL	0.56	0.05
ACBIL	0.53	0.04
SAINJ HEP	0.21	0.02
JHARKHAND	0.19	0.02
SINGOLI BHATWARI HEP	0.16	0.01
NSPCL	0.16	0.01
KARCHAM WANGTOO	0.12	0.01
RGPPL_Others	0.11	0.01
DHARIWAL POWER	0.10	0.01
DADRA & NAGAR HAVELI	0.09	0.01
DIKCHU HEP	0.08	0.01
<b>Total</b>	<b>1233.31</b>	<b>100.00</b>
<b>Volume sold by top 5 Regional Entities</b>	<b>586.07</b>	<b>47.52</b>

<b>Table-16: VOLUME OF ELECTRICITY PURCHASED IN REAL TIME MARKET THROUGH POWER EXCHANGES, JANUARY 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Purchase (MUs)</b>	<b>% of Volume</b>
J & K	390.78	31.69
TELANGANA	161.71	13.11
RAJASTHAN	139.58	11.32
ANDHRA PRADESH	94.17	7.64
GUJARAT	49.19	3.99
PUNJAB	46.49	3.77
UTTAR PRADESH	46.08	3.74
MAHARASHTRA	41.64	3.38
WEST BENGAL	38.52	3.12
DELHI	36.28	2.94
BIHAR	25.14	2.04
DVC	23.72	1.92
CHHATTISGARH	17.92	1.45
KERALA	17.15	1.39
HARYANA	16.65	1.35
ODISHA	14.98	1.21
TAMIL NADU	11.57	0.94
JHARKHAND	9.62	0.78
HIMACHAL PRADESH	8.56	0.69
MP	7.71	0.63
JINDAL STAGE-II	5.69	0.46
ASSAM	5.20	0.42
JINDAL POWER	4.42	0.36
MEGHALAYA	3.58	0.29
SKS POWER	3.43	0.28
GOA	3.25	0.26
AMPS Hazira	2.85	0.23
MANIPUR	2.75	0.22
UTTARAKHAND	1.36	0.11
DADRA & NAGAR HAVELI	1.06	0.09
KARNATAKA	0.97	0.08
DAMAN AND DIU	0.40	0.03
MARUTI COAL	0.37	0.03
JAYPEE NIGRIE	0.28	0.02
JHABUA POWER_MP	0.13	0.01
MEENAKSHI	0.08	0.01
CHANDIGARH	0.02	0.002
SIKKIM	0.01	0.001
NAGALAND	0.003	0.0002
<b>TOTAL</b>	<b>1233.31</b>	<b>100.00</b>
<b>Volume purchased by top 5 Regional Entities</b>	<b>835.44</b>	<b>67.74</b>

<b>Table-17: VOLUME OF ELECTRICITY UNDER DRAWAL (EXPORTED) THROUGH DSM, JANUARY 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Under drawal (MUs)</b>	<b>% of Volume</b>
NTPC STATIONS-WR	271.60	12.74
MP	96.56	4.53
MAHARASHTRA	92.27	4.33
UTTAR PRADESH	88.24	4.14
KARNATAKA	79.28	3.72
RAJASTHAN	73.98	3.47
NHPC STATIONS	69.41	3.26
TAMIL NADU	69.31	3.25
SASAN UMPP	62.99	2.96
GUJARAT	60.25	2.83
TELANGANA	59.33	2.78
PUNJAB	48.96	2.30
KAPP 3&4	48.12	2.26
ODISHA	47.43	2.23
J & K	40.33	1.89
ANDHRA PRADESH	39.96	1.88
NLC	38.26	1.80
BIHAR	38.22	1.79
NTPC STATIONS-NR	36.18	1.70
CHUKHA HEP	33.03	1.55
NTPC STATIONS-ER	32.97	1.55
HARYANA	30.80	1.45
DELHI	29.02	1.36
DVC	28.52	1.34
NTPC STATIONS-SR	27.21	1.28
WEST BENGAL	26.04	1.22
KERALA	24.56	1.15
HIMACHAL PRADESH	23.47	1.10
AMPS Hazira	23.42	1.10
GIWEL_BHUI	17.72	0.83
CHHATTISGARH	17.49	0.82
UTTARAKHAND	14.93	0.70
BBMB	12.97	0.61
TRIPURA	12.83	0.60
JHARKHAND	11.98	0.56
JINDAL STAGE-II	10.76	0.50
RENEW_BHACHAU	9.48	0.44
MB POWER	9.01	0.42
OSTRO	8.95	0.42
RPREL	8.85	0.42
JINDAL POWER	8.66	0.41
ASSAM	8.54	0.40
PONDICHERRY	8.09	0.38
ALFANAR_BHUI	8.00	0.38
TATA_PVGD	7.78	0.37
GIWEL_TCN	7.26	0.34
GOA	7.13	0.33
ORANGE_TCN	7.12	0.33
NJPC	6.50	0.30
ARUNACHAL PRADESH	6.47	0.30
NEEPCO STATIONS	6.45	0.30
JAYPEE NIGRIE	6.16	0.29
MAITHON POWER LTD	5.79	0.27
EMCO	5.67	0.27
CLEAN_SLR	5.65	0.27
FORTUM2_PVGD	5.39	0.25
SPRNG_NPKUNTA	5.25	0.25
RENEW_BHUI	5.23	0.25

TEESTA HEP	5.13	0.24
REGL	5.02	0.24
BETAM_TCN	4.94	0.23
ACBIL	4.81	0.23
DHARIWAL POWER	4.81	0.23
DB POWER	4.79	0.22
RAP C	4.42	0.21
CGPL	4.31	0.20
NTPC_ANTP	4.31	0.20
ESSAR POWER	4.28	0.20
RAMPUR HEP	4.26	0.20
JHABUA POWER_MP	4.14	0.19
GMR KAMALANGA	4.06	0.19
MEGHALAYA	4.02	0.19
DADRA & NAGAR HAVELI	3.82	0.18
LANKO_AMK	3.82	0.18
SIKKIM	3.82	0.18
MYTRAH_TCN	3.68	0.17
SEMBCORP	3.67	0.17
SBG_NPK	3.64	0.17
AGEMPL BHUJ	3.59	0.17
RKM POWER	3.58	0.17
ACME_SLR	3.52	0.16
AVAADA2_PVGD	3.49	0.16
BANGLADESH	3.41	0.16
AVAADA1_PVGD	3.36	0.16
ADHUNIK POWER LTD	3.31	0.16
PARAM_PVGD	3.28	0.15
CHANDIGARH	3.23	0.15
INOX_BHUJ	3.21	0.15
TEHRI	3.18	0.15
KARCHAM WANGTOO	3.05	0.14
SB_SLR	3.01	0.14
ACME_RUMS	2.90	0.14
IGSTPS	2.79	0.13
ARINSUM_RUMS	2.72	0.13
AZURE_PVGD	2.67	0.13
BRBCL,NABINAGAR	2.64	0.12
SBG_PVGD	2.60	0.12
RENEW_SLR_BKN	2.55	0.12
BALCO	2.52	0.12
NPGC	2.42	0.11
MANIPUR	2.33	0.11
THERMAL POWERTECH	2.28	0.11
AZURE_SLR	2.26	0.11
AYANA_NPKUNTA	2.24	0.11
TATA_SLR	2.18	0.10
MAHINDRA_RUMS	2.12	0.10
COASTGEN	2.02	0.09
NETCL VALLUR	2.00	0.09
MANGDECHU HEP	1.99	0.09
KOTESHWAR	1.91	0.09
TATA_ANTP	1.90	0.09
MIZORAM	1.90	0.09
TRN ENERGY	1.70	0.08
NTPC STATIONS-NER	1.65	0.08
NSPCL	1.58	0.07
TEESTA STG3	1.57	0.07
ARERJL_SLR	1.55	0.07
FORTUM1_PVGD	1.54	0.07
NAGALAND	1.52	0.07
MEENAKSHI	1.38	0.06
RAP B	1.30	0.06

IL&FS	1.28	0.06
ADY2_PVGD	1.25	0.06
ADY1_PVGD	1.23	0.06
ADY6_PVGD	1.23	0.06
ADY13_PVGD	1.23	0.06
BHADRAVATHI HVDC	1.21	0.06
JITPL	1.21	0.06
KSK MAHANADI	1.17	0.05
ADY3_PVGD	1.16	0.05
ARS_PVGD	1.15	0.05
ABSP_ANTP	1.15	0.05
YARROW_PVGD	1.15	0.05
ADY10_PVGD	1.14	0.05
AZURE34_SLR	1.11	0.05
NTPL	1.09	0.05
AKSP_ANTP	1.08	0.05
FRV_NPK	1.02	0.05
ONGC PALATANA	1.02	0.05
RANGIT HEP	0.99	0.05
AKS_PVGD	0.98	0.05
DIKCHU HEP	0.97	0.05
RENEW_PVGD	0.96	0.05
RANGANADI HEP	0.95	0.04
NEPAL(NVVN)	0.94	0.04
AZURE_ANTP	0.92	0.04
MTPS II	0.91	0.04
SKS POWER	0.91	0.04
KREDL_PVGD	0.91	0.04
KSMPL_SLR	0.73	0.03
DAMAN AND DIU	0.72	0.03
BARC	0.70	0.03
AHSP_ANTP	0.70	0.03
RGPPL	0.69	0.03
NEP	0.67	0.03
NFF	0.64	0.03
ASEJTL_SLR	0.63	0.03
CHUZACHEN HEP	0.59	0.03
FRV_ANTP	0.59	0.03
SAINJ HEP	0.58	0.03
RAIL	0.57	0.03
AD HYDRO	0.56	0.03
RENEW_SLR	0.48	0.02
SHREE CEMENT	0.46	0.02
NAPP	0.44	0.02
DOYANG HEP	0.43	0.02
SINGOLI BHATWARI HEP	0.43	0.02
DCPP	0.40	0.02
PARE HEP	0.39	0.02
JORETHANG	0.37	0.02
VINDHYACHAL HVDC	0.35	0.02
HVDC RAIGARH	0.25	0.01
LOKTAK	0.24	0.01
TASHIDENG HEP	0.23	0.01
LANCO BUDHIL	0.19	0.01
HVDC ALPD	0.12	0.01
HVDC PUS	0.09	0.004
TALA HEP	0.03	0.002
HVDC CHAMPA	0.02	0.001
SIMHAPURI	0.01	0.0003
<b>Total</b>	<b>2131.10</b>	<b>100.00</b>
<b>Volume Exported by top 5 Regional Entities</b>	<b>627.95</b>	<b>29.47</b>

<b>Table-18: VOLUME OF ELECTRICITY OVER DRAWAL (IMPORTED) THROUGH DSM, JANUARY 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Over drawal (MUs)</b>	<b>% of Volume</b>
RAJASTHAN	89.21	4.94
NTPC STATIONS-NR	71.50	3.96
GUJARAT	67.13	3.72
NTPC STATIONS-WR	63.40	3.51
UTTAR PRADESH	63.30	3.51
NTPC STATIONS-ER	58.80	3.26
HARYANA	57.89	3.21
TALA HEP	57.12	3.16
DVC	52.62	2.92
BIHAR	47.76	2.65
ANDHRA PRADESH	45.71	2.53
TELANGANA	45.61	2.53
TAMIL NADU	42.42	2.35
MAHARASHTRA	37.87	2.10
MP	37.16	2.06
KARNATAKA	36.31	2.01
NTPC STATIONS-SR	36.07	2.00
CHHATTISGARH	35.96	1.99
WEST BENGAL	34.86	1.93
KURICHU HEP	34.56	1.92
NLC	34.46	1.91
UTTARAKHAND	33.64	1.86
CGPL	27.32	1.51
ODISHA	26.55	1.47
NEPAL(NVVN)	24.01	1.33
KERALA	23.27	1.29
J & K	21.26	1.18
AMPS Hazira	21.23	1.18
PUNJAB	20.35	1.13
RPREL	19.74	1.09
HIMACHAL PRADESH	16.07	0.89
NHPC STATIONS	14.98	0.83
DELHI	14.60	0.81
JHARKHAND	14.53	0.80
DB POWER	14.18	0.79
ASSAM	13.37	0.74
NETCL VALLUR	13.32	0.74
BALCO	13.27	0.74
RGPPL	11.99	0.66
REGL	11.64	0.64
JHABUA POWER_MP	11.60	0.64
RAIL	11.54	0.64
NAPP	10.18	0.56
RKM POWER	9.92	0.55
EMCO	9.55	0.53
GIWEL_BHUI	8.64	0.48
MYTRAH_TCN	8.26	0.46
GIWEL_TCN	8.21	0.45
DADRA & NAGAR HAVELI	8.20	0.45
THERMAL POWERTECH	7.85	0.43
CHANDIGARH	7.81	0.43
DAMAN AND DIU	7.61	0.42
KSK MAHANADI	6.77	0.38
JINDAL STAGE-II	6.45	0.36
IGSTPS	6.42	0.36
MB POWER	6.36	0.35
NEP	6.16	0.34
ARERJL_SLR	5.87	0.33
AGEMPL BHUI	5.87	0.33



CLEAN_SLR	5.72	0.32
TATA_PVGD	5.61	0.31
TEESTA STG3	5.53	0.31
GOA	5.48	0.30
ORANGE_TCN	5.44	0.30
ALFANAR_BHUJ	5.37	0.30
BANGLADESH	5.31	0.29
OSTRO	5.25	0.29
MEENAKSHI	5.23	0.29
BBMB	4.77	0.26
JAYPEE NIGRIE	4.31	0.24
NTPC_ANTP	4.26	0.24
MAITHON POWER LTD	4.25	0.24
BETAM_TCN	4.22	0.23
ARINSUM_RUMS	4.16	0.23
IL&FS	4.13	0.23
DAGACHU	3.93	0.22
NTPC STATIONS-NER	3.93	0.22
JITPL	3.81	0.21
MEGHALAYA	3.73	0.21
SEMBCORP	3.67	0.20
MAHINDRA_RUMS	3.65	0.20
RENEW_BHACHAU	3.56	0.20
BRBCL,NABINAGAR	3.56	0.20
KAPP 3&4	3.49	0.19
COASTGEN	3.38	0.19
FORTUM2_PVGD	3.37	0.19
INOX_BHUJ	3.34	0.18
MTPS II	3.31	0.18
MANIPUR	3.30	0.18
SBG_NPK	3.26	0.18
NPGC	3.20	0.18
AZURE_SLR	3.11	0.17
NTPL	3.11	0.17
ADHUNIK POWER LTD	3.05	0.17
MIZORAM	3.03	0.17
GMR KAMALANGA	3.02	0.17
RENEW_SLR_BKN	3.00	0.17
RENEW_BHUJ	2.99	0.17
JORETHANG	2.88	0.16
SB_SLR	2.71	0.15
NSPCL	2.65	0.15
SBG_PVGD	2.64	0.15
ACME_RUMS	2.62	0.15
KARCHAM WANGTOO	2.60	0.14
ARUNACHAL PRADESH	2.56	0.14
AZURE34_SLR	2.49	0.14
TEHRI	2.43	0.13
PONDICHERRY	2.42	0.13
RAMPUR HEP	2.28	0.13
ACBIL	2.27	0.13
AVAADA2_PVGD	2.11	0.12
JINDAL POWER	2.02	0.11
PARAM_PVGD	1.99	0.11
AVAADA1_PVGD	1.91	0.11
ACME_SLR	1.91	0.11
SIKKIM	1.89	0.10
TASHIDENG HEP	1.89	0.10
RANGANADI HEP	1.87	0.10
NJPC	1.84	0.10
AYANA_NPKUNTA	1.78	0.10
FORTUM1_PVGD	1.65	0.09
TATA_SLR	1.41	0.08

NAGALAND	1.40	0.08
AZURE_PVGD	1.29	0.07
ASEJTL_SLR	1.28	0.07
KOTESHWAR	1.22	0.07
DGEN MEGA POWER	1.19	0.07
RAP B	1.16	0.06
TRIPURA	1.12	0.06
ESSAR POWER	1.09	0.06
TATA_ANTP	1.07	0.06
KSMPL_SLR	1.04	0.06
AHSP_ANTP	1.01	0.06
NEEPCO STATIONS	0.99	0.06
MANGDECHU HEP	0.98	0.05
ONGC PALATANA	0.86	0.05
DIKCHU HEP	0.84	0.05
SKS POWER	0.78	0.04
FRV_ANTP	0.77	0.04
SASAN UMPP	0.77	0.04
FRV_NPK	0.75	0.04
DHARIWAL POWER	0.74	0.04
ADY10_PVGD	0.74	0.04
RENEW_SLR	0.72	0.04
AKS_PVGD	0.72	0.04
ADY1_PVGD	0.71	0.04
ADY13_PVGD	0.71	0.04
YARROW_PVGD	0.71	0.04
RENEW_PVGD	0.69	0.04
ADY2_PVGD	0.68	0.04
ARS_PVGD	0.64	0.04
RAP C	0.63	0.03
AKSP_ANTP	0.60	0.03
ABSP_ANTP	0.59	0.03
ADY6_PVGD	0.59	0.03
AZURE_ANTP	0.59	0.03
ADY3_PVGD	0.58	0.03
KREDL_PVGD	0.57	0.03
DCPP	0.56	0.03
RANGIT HEP	0.54	0.03
HVDC CHAMPA	0.53	0.03
LANKO KONDAPALLI	0.50	0.03
SAINJ HEP	0.45	0.03
SPRNG_NPKUNTA	0.40	0.02
AD HYDRO	0.38	0.02
CHUZACHEN HEP	0.31	0.02
SHREE CEMENT	0.31	0.02
SIMHAPURI	0.30	0.02
DOYANG HEP	0.28	0.02
SINGOLI BHATWARI HEP	0.24	0.01
LANCO BUDHIL	0.20	0.01
NFF	0.18	0.01
PARE HEP	0.18	0.01
CHUKHA HEP	0.17	0.01
TEESTA HEP	0.15	0.01
LANKO_AMK	0.13	0.01
LOKTAK	0.12	0.01
HVDC ALPD	0.08	0.004
TRN ENERGY	0.04	0.002
BARC	0.01	0.001
HVDC PUS	0.01	0.0005
HVDC RAIGARH	0.004	0.0002
<b>TOTAL</b>	<b>1804.88</b>	<b>100.00</b>
<b>Volume Imported by top 5 Regional Entities</b>	<b>354.54</b>	<b>19.64</b>

<b>Table-19: TOTAL VOLUME OF NET SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY-WISE), JANUARY 2021</b>		
<b>S. No.</b>	<b>Name of the Entity</b>	<b>Total volume of net short-term transactions of electricity*</b>
1	TELANGANA	1446.80
2	RAJASTHAN	764.73
3	ANDHRA PRADESH	763.74
4	J & K	754.44
5	MP	706.11
6	TAMIL NADU	637.58
7	HIMACHAL PRADESH	559.76
8	MAHARASHTRA	473.19
9	UTTARAKHAND	412.42
10	AMPS Hazira	324.36
11	HARYANA	245.64
12	GUJARAT	242.60
13	NEPAL(NVVN)	203.27
14	JHARKHAND	157.54
15	DADRA & NAGAR HAVELI	70.51
16	MEGHALAYA	66.32
17	TALA HEP	57.09
18	NEP	42.22
19	KURICHU HEP	34.56
20	NTPC STATIONS-NR	30.82
21	KERALA	29.90
22	BIHAR	23.43
23	CGPL	22.45
24	CHANDIGARH	20.93
25	DAMAN AND DIU	20.27
26	BANGLADESH	19.56
27	MANIPUR	18.05
28	NTPC STATIONS-ER	11.86
29	NETCL VALLUR	11.32
30	RGPPL	11.30
31	RAIL	10.97
32	NAPP	9.74
33	MYTRAH_TCN	4.58
34	ARERJL_SLR	4.32
35	IGSTPS	3.63
36	GOA	2.59
37	MTPS II	2.40
38	AGEMPL BHUJ	2.29
39	MAHINDRA_RUMS	1.53
40	ARINSUM_RUMS	1.44
41	ARUNACHAL PRADESH	1.40
42	AZURE34_SLR	1.38
43	COASTGEN	1.35
44	DGEN MEGA POWER	1.19
45	GIWEL_TCN	0.96
46	RANGANADI HEP	0.92
47	NSPCL	0.91
48	AZURE_SLR	0.85
49	NPGC	0.78
50	ASEJTL_SLR	0.65
51	HVDC CHAMPA	0.51
52	LANKO KONDAPALLI	0.50
53	RENEW_SLR_BKN	0.46
54	KSMPL_SLR	0.31
55	AHSP_ANTP	0.31
56	SIMHAPURI	0.29
57	RENEW_SLR	0.24
58	FRV_ANTP	0.18
59	NAGALAND	0.17
60	DCPP	0.16
61	INOX_BHUJ	0.13

62	FORTUM1_PVGD	0.11
63	CLEAN_SLR	0.07
64	SBG_PVGD	0.04
65	CHHATTISGARH	-0.01
66	HVDC ALPD	-0.04
67	NTPC_ANTP	-0.04
68	BRBCL,NABINAGAR	-0.06
69	HVDC PUS	-0.08
70	RGPPPL_Others	-0.11
71	LOKTAK	-0.12
72	RAP B	-0.14
73	SHREE CEMENT	-0.16
74	DOYANG HEP	-0.16
75	PARE HEP	-0.21
76	HVDC RAIGARH	-0.24
77	AKS_PVGD	-0.27
78	RENEW_PVGD	-0.27
79	FRV_NPK	-0.27
80	ACME_RUMS	-0.28
81	LANCO BUDHIL	-0.30
82	SB_SLR	-0.30
83	AZURE_ANTP	-0.33
84	KREDL_PVGD	-0.34
85	VINDHYACHAL HVDC	-0.35
86	SBG_NPK	-0.39
87	ADY10_PVGD	-0.40
88	YARROW_PVGD	-0.44
89	RANGIT HEP	-0.44
90	NFF	-0.46
91	AYANA_NPKUNTA	-0.47
92	AKSP_ANTP	-0.48
93	ARS_PVGD	-0.51
94	ADY13_PVGD	-0.52
95	ADY1_PVGD	-0.52
96	ABSP_ANTP	-0.56
97	ADY2_PVGD	-0.57
98	ADY3_PVGD	-0.58
99	ADY6_PVGD	-0.64
100	KOTESHWAR	-0.69
101	BARC	-0.69
102	BETAM_TCN	-0.72
103	TEHRI	-0.75
104	TATA_SLR	-0.77
105	TATA_ANTP	-0.83
106	MANGDECHU HEP	-1.02
107	BHADRAVATHI HVDC	-1.21
108	PARAM_PVGD	-1.29
109	AZURE_PVGD	-1.38
110	AVAADA2_PVGD	-1.38
111	AVAADA1_PVGD	-1.45
112	MAITHON POWER LTD	-1.54
113	ACME_SLR	-1.61
114	ORANGE_TCN	-1.67
115	MIZORAM	-1.82
116	RAMPUR HEP	-1.97
117	FORTUM2_PVGD	-2.02
118	TATA_PVGD	-2.17
119	RENEW_BHUI	-2.24
120	ALFANAR_BHUI	-2.63
121	SIKKIM	-3.23
122	OSTRO	-3.70
123	RAP C	-3.79
124	NJPC	-4.66
125	SPRNG_NPKUNTA	-4.85

126	DHARIWAL POWER	-4.96
127	TEESTA HEP	-4.98
128	ASSAM	-5.53
129	PONDICHERRY	-5.67
130	RENEW_BHACHAU	-5.92
131	DIKCHU HEP	-7.41
132	BBMB	-8.20
133	CHUZACHEN HEP	-8.41
134	GIWEL_BHUJ	-9.08
135	TRN ENERGY	-9.10
136	SAINJ HEP	-9.77
137	JORETHANG	-11.38
138	AD HYDRO	-11.53
139	TASHIDENG HEP	-11.68
140	SINGOLI BHATWARI HEP	-12.02
141	LANKO_AMK	-12.99
142	NTPC STATIONS-NER	-13.11
143	KARCHAM WANGTOO	-13.19
144	SPECTRUM	-14.93
145	DAGACHU	-16.47
146	NTPC STATIONS-SR	-21.33
147	ACBIL	-21.70
148	NTPL	-22.96
149	IL&FS	-23.03
150	JHABUA POWER_MP	-32.00
151	CHUKHA HEP	-32.85
152	MEENAKSHI	-40.04
153	GMR KAMALANGA	-40.80
154	KAPP 3&4	-40.98
155	MARUTI COAL	-46.92
156	BALCO	-52.67
157	NHPC STATIONS	-54.44
158	ONGC PALATANA	-60.75
159	SASAN UMPP	-65.69
160	NEEPCO STATIONS	-68.79
161	TRIPURA	-71.85
162	DELHI	-77.09
163	THERMAL POWERTECH	-79.93
164	NLC	-86.39
165	KSK MAHANADI	-90.11
166	EMCO	-103.41
167	ADHUNIK POWER LTD	-104.32
168	SKS POWER	-123.55
169	TEESTA STG3	-128.29
170	DVC	-154.38
171	PUNJAB	-163.77
172	JITPL	-188.96
173	ESSAR POWER	-190.88
174	JINDAL STAGE-II	-196.30
175	MB POWER	-232.23
176	NTPC STATIONS-WR	-250.58
177	KARNATAKA	-292.77
178	RKM POWER	-293.16
179	REGL	-344.44
180	DB POWER	-344.53
181	JAYPEE NIGRIE	-394.86
182	JINDAL POWER	-447.56
183	WEST BENGAL	-539.22
184	SEMBCORP	-653.92
185	ODISHA	-666.88
186	RPREL	-708.01
187	UTTAR PRADESH	-756.37
* Total volume of net short-term transactions of electricity includes net of transactions of electricity through bilateral, power exchange and UI		
(-) indicates sale and (+) indicates purchase		

<b>Table-20: DETAILS OF CONGESTION IN POWER EXCHANGES, JANUARY 2021</b>					
	<b>Details of Congestion</b>	<b>Day Ahead Market</b>		<b>Real Time Market</b>	
		<b>IEX</b>	<b>PXIL</b>	<b>IEX</b>	<b>PXIL</b>
A	Unconstrained Cleared Volume (MUs)	5568.60	7.63	1235.60	0.00
B	Actual Cleared Volume and hence scheduled (MUs)	5568.60	7.63	1233.31	0.00
C	Volume of electricity that could not be cleared and hence not scheduled because of congestion (MUs)	0.00	0.00	2.29	0.00
D	Volume of electricity that could not be cleared and hence not scheduled because of reasons other than congestion (MUs)	0.00	0.00	0.00	0.00
E	Volume of electricity that could not be cleared as % to Unconstrained Cleared Volume	0.00%	0.00%	0.19%	0.00%
F	Percentage of the time congestion occurred during the month (Number of hours congestion occurred/Total number of hours in the month)	0.00%	0.00%	0.54%	0.00%
G	Congestion occurrence (%) time block wise				
	0.00 - 6.00 hours	0.00%	0.00%	0.00%	0.00%
	6.00 - 12.00 hours	0.00%	0.00%	50.00%	0.00%
	12.00 - 18.00 hours	0.00%	0.00%	25.00%	0.00%
	18.00 - 24.00 hours	0.00%	0.00%	25.00%	0.00%
<i>*This power would have been scheduled had there been no congestion.</i>					
<i>Source: IEX, PXIL &amp; NLDC</i>					

<b>Table-21: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY IN INDIA (DAY-WISE) (MUs), JANUARY 2021</b>								
Date	Bilateral		Day Ahead Market <sup>#</sup>		Real Time Market <sup>#</sup>		Deviation Settlement (Over Drawl+Under Generation)	Total Electricity Generation (MU) as given at CEA Website*
	Through Traders and PXs**	Direct	IEX	PXIL	IEX	PXIL		
1-Jan-21	114.24	64.20	172.51	0.00	48.74	0.00	63.07	3398.70
2-Jan-21	116.57	63.79	181.72	0.00	49.70	0.00	61.88	3405.91
3-Jan-21	110.46	62.62	177.16	0.11	21.41	0.00	62.94	3301.00
4-Jan-21	106.62	65.08	185.70	0.11	32.85	0.00	61.24	3369.63
5-Jan-21	107.35	64.42	190.21	0.11	31.54	0.00	65.90	3364.81
6-Jan-21	113.25	60.81	191.43	0.14	31.72	0.00	65.56	3409.77
7-Jan-21	112.15	63.36	172.92	0.02	39.73	0.00	67.00	3363.19
8-Jan-21	108.40	62.61	165.63	0.02	43.46	0.00	58.25	3377.59
9-Jan-21	109.92	64.84	179.38	0.00	41.44	0.00	61.68	3310.25
10-Jan-21	106.83	56.36	173.43	0.00	41.46	0.00	60.49	3242.24
11-Jan-21	132.40	57.34	169.47	0.00	42.45	0.00	58.13	3424.14
12-Jan-21	127.44	58.75	182.59	0.00	45.30	0.00	60.92	3444.03
13-Jan-21	126.37	61.52	181.13	0.00	38.86	0.00	64.52	3464.71
14-Jan-21	125.87	61.40	164.05	0.09	28.85	0.00	63.50	3384.71
15-Jan-21	129.44	58.32	156.75	0.00	34.99	0.00	67.32	3382.67
16-Jan-21	129.43	59.91	159.11	0.00	42.55	0.00	64.45	3469.43
17-Jan-21	119.95	58.01	165.74	0.16	47.06	0.00	63.95	3408.96
18-Jan-21	119.92	60.61	167.07	0.00	55.75	0.00	70.46	3503.08
19-Jan-21	128.35	62.75	183.42	0.00	51.50	0.00	66.19	3629.11
20-Jan-21	124.74	62.60	193.38	0.00	47.05	0.00	65.36	3698.42
21-Jan-21	115.18	75.14	196.51	0.77	37.32	0.00	61.89	3722.89
22-Jan-21	113.80	74.37	197.23	1.05	39.97	0.00	64.94	3738.88
23-Jan-21	115.98	74.33	197.40	0.81	35.05	0.00	65.96	3713.23
24-Jan-21	112.47	70.70	185.26	0.82	30.87	0.00	63.89	3572.56
25-Jan-21	127.34	71.09	189.86	1.03	40.32	0.00	65.47	3605.54
26-Jan-21	127.52	68.78	156.81	1.22	42.93	0.00	63.70	3476.69
27-Jan-21	123.42	71.08	180.02	0.24	46.69	0.00	66.93	3592.88
28-Jan-21	123.05	71.91	192.86	0.29	39.58	0.00	55.84	3656.54
29-Jan-21	122.91	71.79	195.76	0.29	33.92	0.00	59.77	3694.39
30-Jan-21	122.92	73.17	187.46	0.18	35.71	0.00	61.24	3711.41
31-Jan-21	120.19	71.23	176.66	0.17	34.53	0.00	65.32	3582.74
<b>Total</b>	<b>3694.49</b>	<b>2022.88</b>	<b>5568.60</b>	<b>7.63</b>	<b>1233.31</b>	<b>0.00</b>	<b>1967.77</b>	<b>108420.10</b>

Source: NLDC

\* Gross Electricity Generation excluding electricity generation from renewables and captive power plants.

\*\* The volume of bilateral through PXs represents the volume through term-ahead contracts.

# Scheduled volume of all the bid areas.

<b>Table-22: PRICE OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (DAY-WISE)(`/kWh), JANUARY 2021</b>									
<b>Market Segment</b>	<b>Day ahead market of IEX</b>			<b>Day ahead market of PXIL</b>			<b>Under Drawl/Over Drawl from the Grid (DSM)</b>		
<b>Date</b>	<b>Minimum ACP</b>	<b>Maximum ACP</b>	<b>Weighted Average Price*</b>	<b>Minimum ACP</b>	<b>Maximum ACP</b>	<b>Weighted Average Price*</b>	<b>All India Grid</b>		
							<b>Minimum Price</b>	<b>Maximum Price</b>	<b>Average Price**</b>
1-Jan-21	2.00	6.90	3.47	-	-	-	0.00	8.00	2.85
2-Jan-21	1.88	6.60	3.79	-	-	-	0.00	7.72	3.40
3-Jan-21	1.81	6.00	3.00	3.49	3.49	3.49	0.00	7.03	3.15
4-Jan-21	1.56	6.00	3.07	3.49	3.49	3.49	0.00	8.00	3.12
5-Jan-21	1.56	6.05	3.24	3.49	3.49	3.49	0.00	8.00	3.69
6-Jan-21	1.56	6.00	3.31	3.49	3.49	3.49	0.00	5.86	2.87
7-Jan-21	1.56	5.79	3.09	3.50	3.50	3.50	0.00	8.00	3.67
8-Jan-21	1.55	5.79	2.95	3.71	4.78	4.51	0.00	7.02	2.96
9-Jan-21	1.60	4.50	2.91	-	-	-	0.00	8.00	3.05
10-Jan-21	1.77	4.49	2.78	-	-	-	0.00	6.67	2.84
11-Jan-21	1.99	6.05	3.55	-	-	-	0.00	7.71	3.07
12-Jan-21	1.99	6.05	3.45	-	-	-	0.00	8.00	3.32
13-Jan-21	1.81	6.05	3.45	-	-	-	0.00	7.40	3.07
14-Jan-21	2.06	5.50	3.17	3.61	4.49	4.36	0.00	6.76	2.79
15-Jan-21	1.92	5.50	3.20	-	-	-	0.00	7.06	2.52
16-Jan-21	1.92	6.00	3.14	-	-	-	0.00	8.00	3.08
17-Jan-21	1.80	4.75	3.06	2.99	3.34	3.19	0.00	7.68	2.92
18-Jan-21	1.55	6.50	3.87	-	-	-	0.00	7.72	3.67
19-Jan-21	1.56	6.50	3.96	-	-	-	0.00	8.00	3.68
20-Jan-21	1.92	7.50	4.13	-	-	-	0.00	5.92	3.17
21-Jan-21	1.81	6.50	3.69	2.67	6.03	4.94	0.00	8.00	2.88
22-Jan-21	1.85	6.50	3.52	2.58	5.99	4.20	0.00	6.54	3.14
23-Jan-21	1.99	8.00	3.80	2.58	6.00	4.14	0.00	6.63	2.95
24-Jan-21	1.95	5.00	3.23	2.58	5.99	4.59	0.00	5.52	2.23
25-Jan-21	1.80	6.50	3.77	2.58	6.71	4.26	0.00	6.33	2.70
26-Jan-21	1.95	3.98	2.89	2.58	5.99	4.02	0.00	6.03	2.38
27-Jan-21	1.69	6.00	3.83	1.51	5.20	3.99	0.00	5.76	2.50
28-Jan-21	1.92	6.55	3.72	2.21	5.70	4.15	0.00	7.16	3.14
29-Jan-21	1.82	6.00	3.61	2.99	4.33	3.38	0.00	6.83	2.98
30-Jan-21	1.82	6.00	3.58	2.96	5.00	3.59	0.00	8.00	2.83
31-Jan-21	2.15	4.60	3.11	3.18	4.46	3.43	0.00	4.54	1.76
	<b>1.55<sup>#</sup></b>	<b>8.00<sup>#</sup></b>	<b>3.41</b>	<b>1.51<sup>#</sup></b>	<b>6.71<sup>#</sup></b>	<b>4.16</b>	<b>0.00<sup>#</sup></b>	<b>8.00<sup>#</sup></b>	<b>2.98</b>

Source: Data on price of PX transactions from IEX and PXIL and data on DSM 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 price of DSM of 96 time blocks of 15 minutes each in a day. DSM price includes Ceiling DSM Rate +40% additional DSM charge.

# Maximum/Minimum in the month



Table-23: PRICE OF REAL TIME MARKET TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh), JANUARY 2021						
Market Segment	Real Time market of IEX			Real Time market of PXIL		
Date	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*
1-Jan-21	2.10	6.50	3.75	--	--	--
2-Jan-21	1.59	6.00	3.45	--	--	--
3-Jan-21	0.60	3.17	2.60	--	--	--
4-Jan-21	0.40	5.40	2.74	--	--	--
5-Jan-21	1.30	6.00	2.92	--	--	--
6-Jan-21	0.60	6.00	3.07	--	--	--
7-Jan-21	1.00	6.00	2.93	--	--	--
8-Jan-21	2.00	5.00	3.05	--	--	--
9-Jan-21	1.76	5.00	2.96	--	--	--
10-Jan-21	1.60	3.87	2.84	--	--	--
11-Jan-21	1.85	6.55	3.53	--	--	--
12-Jan-21	1.80	5.21	3.16	--	--	--
13-Jan-21	1.80	5.00	3.15	--	--	--
14-Jan-21	1.60	3.45	2.64	--	--	--
15-Jan-21	1.50	5.91	2.96	--	--	--
16-Jan-21	1.97	6.00	3.48	--	--	--
17-Jan-21	1.80	5.00	3.22	--	--	--
18-Jan-21	1.70	8.00	4.24	--	--	--
19-Jan-21	2.00	6.50	4.43	--	--	--
20-Jan-21	2.34	6.00	3.54	--	--	--
21-Jan-21	2.28	9.00	3.36	--	--	--
22-Jan-21	2.20	6.50	3.29	--	--	--
23-Jan-21	2.16	9.00	3.40	--	--	--
24-Jan-21	0.90	3.60	2.86	--	--	--
25-Jan-21	1.00	6.23	3.32	--	--	--
26-Jan-21	2.16	3.53	2.84	--	--	--
27-Jan-21	1.00	6.00	3.26	--	--	--
28-Jan-21	2.16	6.20	3.45	--	--	--
29-Jan-21	1.77	4.26	2.89	--	--	--
30-Jan-21	1.77	6.82	3.37	--	--	--
31-Jan-21	2.09	3.42	2.80	--	--	--
	<b>0.40#</b>	<b>9.00#</b>	<b>3.27</b>	--	--	--

Source: IEX and PXIL

\* 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.

# Maximum/Minimum in the month

Table-24: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY*-WISE) (MUs), JANUARY 2021										
Name of the Entity	Through Bilateral			Through Power Exchange (DAM + RTM)			Through DSM with Regional Grid			Total Net***
	Sale	Purchase	Net**	Sale	Purchase	Net**	Import (Over Draw)	Export (Under Draw)	Net**	
PUNJAB	1065.23	796.30	-268.93	3.67	137.44	133.77	20.35	48.96	-28.61	-163.77
HARYANA	133.57	211.31	77.74	49.07	189.88	140.81	57.89	30.80	27.09	245.64
RAJASTHAN	44.68	571.26	526.59	227.09	450.01	222.91	89.21	73.98	15.23	764.73
DELHI	235.90	40.55	-195.35	151.46	284.15	132.68	14.60	29.02	-14.42	-77.09
UTTAR PRADESH	309.02	109.95	-199.07	810.56	278.20	-532.36	63.30	88.24	-24.94	-756.37
UTTARAKHAND	1.75	305.31	303.55	0.00	90.16	90.16	33.64	14.93	18.71	412.42
HIMACHAL P	6.25	603.90	597.65	86.31	55.83	-30.48	16.07	23.47	-7.41	559.76
J & K	36.30	0.00	-36.30	15.60	825.42	809.82	21.26	40.33	-19.08	754.44
CHANDIGARH	0.00	0.00	0.00	0.90	17.25	16.35	7.81	3.23	4.58	20.93
MP	21.47	1074.93	1053.46	392.19	104.24	-287.95	37.16	96.56	-59.40	706.11
MAHARASHTRA	11.76	47.98	36.22	45.10	536.47	491.37	37.87	92.27	-54.40	473.19
GUJARAT	235.07	6.71	-228.36	291.13	755.21	464.08	67.13	60.25	6.88	242.60
CHHATTISGARH	206.75	84.00	-122.74	38.11	142.37	104.26	35.96	17.49	18.47	-0.01
GOA	0.00	22.30	22.30	31.10	13.05	-18.05	5.48	7.13	-1.65	2.59
DAMAN AND DIU	0.00	0.68	0.68	0.00	12.71	12.71	7.61	0.72	6.89	20.27
DADRA & NAGAR H	0.00	16.39	16.39	0.61	50.35	49.74	8.20	3.82	4.38	70.51
ANDHRA PRADESH	7.98	112.23	104.25	20.59	674.32	653.74	45.71	39.96	5.75	763.74
KARNATAKA	87.44	5.43	-82.01	205.64	37.86	-167.78	36.31	79.28	-42.97	-292.77
KERALA	0.00	0.00	0.00	41.13	72.33	31.20	23.27	24.56	-1.29	29.90
TAMIL NADU	1.87	232.56	230.69	20.66	454.45	433.78	42.42	69.31	-26.89	637.58
PONDICHERRY	0.00	0.00	0.00	0.00	0.00	0.00	2.42	8.09	-5.67	-5.67
TELANGANA	22.04	372.61	350.57	48.53	1158.49	1109.95	45.61	59.33	-13.72	1446.80
WEST BENGAL	0.80	233.07	232.27	825.32	44.99	-780.32	34.86	26.04	8.83	-539.22
ODISHA	9.60	71.68	62.07	736.14	28.06	-708.07	26.55	47.43	-20.88	-666.88
BIHAR	0.74	90.16	89.42	154.59	79.06	-75.53	47.76	38.22	9.54	23.43
JHARKHAND	0.00	97.06	97.06	3.54	61.48	57.94	14.53	11.98	2.55	157.54
SIKKIM	1.26	13.00	11.74	13.05	0.01	-13.04	1.89	3.82	-1.93	-3.23
DVC	224.37	32.69	-191.69	10.52	23.72	13.21	52.62	28.52	24.10	-154.38
ARUNACHAL P	0.00	2.58	2.58	3.86	6.59	2.73	2.56	6.47	-3.91	1.40
ASSAM	0.00	61.70	61.70	118.80	46.74	-72.06	13.37	8.54	4.82	-5.53
MANIPUR	0.00	27.76	27.76	14.47	3.79	-10.68	3.30	2.33	0.97	18.05
MEGHALAYA	2.14	56.21	54.07	0.00	12.53	12.53	3.73	4.02	-0.29	66.32
MIZORAM	0.00	0.00	0.00	2.96	0.00	-2.96	3.03	1.90	1.14	-1.82
NAGALAND	0.00	0.00	0.00	0.00	0.30	0.30	1.40	1.52	-0.13	0.17
TRIPURA	0.00	0.00	0.00	60.14	0.00	-60.14	1.12	12.83	-11.71	-71.85
NTPC STNS-NR	0.00	0.00	0.00	4.49	0.00	-4.49	71.50	36.18	35.31	30.82
NHPC STNS	0.00	0.00	0.00	0.00	0.00	0.00	14.98	69.41	-54.44	-54.44
NFF	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.64	-0.46	-0.46
RAIL	0.00	0.00	0.00	0.00	0.00	0.00	11.54	0.57	10.97	10.97
NEP	0.00	36.73	36.73	0.00	0.00	0.00	6.16	0.67	5.49	42.22
NAPP	0.00	0.00	0.00	0.00	0.00	0.00	10.18	0.44	9.74	9.74
RAP B	0.00	0.00	0.00	0.00	0.00	0.00	1.16	1.30	-0.14	-0.14
NJPC	0.00	0.00	0.00	0.00	0.00	0.00	1.84	6.50	-4.66	-4.66
TEHRI	0.00	0.00	0.00	0.00	0.00	0.00	2.43	3.18	-0.75	-0.75
BBMB	0.00	0.00	0.00	0.00	0.00	0.00	4.77	12.97	-8.20	-8.20
RAP C	0.00	0.00	0.00	0.00	0.00	0.00	0.63	4.42	-3.79	-3.79
AD HYDRO	0.00	0.00	0.00	11.35	0.00	-11.35	0.38	0.56	-0.18	-11.53
IGSTPS	0.00	0.00	0.00	0.00	0.00	0.00	6.42	2.79	3.63	3.63
KOTESHWAR	0.00	0.00	0.00	0.00	0.00	0.00	1.22	1.91	-0.69	-0.69
KARCHAM WANGT	0.00	0.00	0.00	12.74	0.00	-12.74	2.60	3.05	-0.45	-13.19
SHREE CEMENT	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.46	-0.16	-0.16
LANCO BUDHIL	0.00	0.00	0.00	0.31	0.00	-0.31	0.20	0.19	0.01	-0.30
RAMPUR HEP	0.00	0.00	0.00	0.00	0.00	0.00	2.28	4.26	-1.97	-1.97
SAINJ HEP	0.00	0.00	0.00	9.64	0.00	-9.64	0.45	0.58	-0.13	-9.77
RENEW_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.48	0.24	0.24

AZURE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	3.11	2.26	0.85	0.85
SB_SLR	0.00	0.00	0.00	0.00	0.00	0.00	2.71	3.01	-0.30	-0.30
ACME_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.91	3.52	-1.61	-1.61
AZURE34_SLR	0.00	0.00	0.00	0.00	0.00	0.00	2.49	1.11	1.38	1.38
TATA_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.41	2.18	-0.77	-0.77
RENEW_SLR_BKN	0.00	0.00	0.00	0.00	0.00	0.00	3.00	2.55	0.46	0.46
CLEAN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	5.72	5.65	0.07	0.07
ARERJL_SLR	0.00	0.00	0.00	0.00	0.00	0.00	5.87	1.55	4.32	4.32
KSMPL_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.04	0.73	0.31	0.31
ASEJTL_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.63	0.65	0.65
SINGOLI BHATWAR	0.00	0.00	0.00	11.84	0.00	-11.84	0.24	0.43	-0.18	-12.02
NTPC STNS-WR	0.00	0.00	0.00	42.38	0.00	-42.38	63.40	271.60	-208.20	-250.58
BHADRAVATHI HVI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.21	-1.21	-1.21
VINDHYACHAL HVI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.35	-0.35	-0.35
JINDAL POWER	274.48	0.00	-274.48	170.87	4.42	-166.45	2.02	8.66	-6.63	-447.56
LANKO_AMK	9.30	0.00	-9.30	0.00	0.00	0.00	0.13	3.82	-3.69	-12.99
NSPCL	0.00	0.00	0.00	0.16	0.00	-0.16	2.65	1.58	1.07	0.91
ACBIL	0.74	0.00	-0.74	18.42	0.00	-18.42	2.27	4.81	-2.54	-21.70
BALCO	29.61	0.00	-29.61	33.80	0.00	-33.80	13.27	2.52	10.74	-52.67
RGPPL	0.00	0.00	0.00	0.00	0.00	0.00	11.99	0.69	11.30	11.30
CGPL	0.00	0.00	0.00	0.56	0.00	-0.56	27.32	4.31	23.01	22.45
DCPP	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.40	0.16	0.16
EMCO	0.00	0.00	0.00	107.29	0.00	-107.29	9.55	5.67	3.88	-103.41
KSK MAHANADI	95.71	0.00	-95.71	0.00	0.00	0.00	6.77	1.17	5.61	-90.11
ESSAR POWER	136.61	0.00	-136.61	51.08	0.00	-51.08	1.09	4.28	-3.19	-190.88
JINDAL STAGE-II	103.25	0.00	-103.25	94.43	5.69	-88.74	6.45	10.76	-4.31	-196.30
DB POWER	199.16	0.00	-199.16	154.77	0.00	-154.77	14.18	4.79	9.39	-344.53
DHARIWAL POWER	0.00	0.00	0.00	0.90	0.00	-0.90	0.74	4.81	-4.06	-4.96
JAYPEE NIGRIE	132.62	0.00	-132.62	260.66	0.28	-260.38	4.31	6.16	-1.86	-394.86
DGEN MEGA POWER	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.00	1.19	1.19
MB POWER	113.13	0.00	-113.13	116.46	0.00	-116.46	6.36	9.01	-2.65	-232.23
MARUTI COAL	0.00	0.00	0.00	47.28	0.37	-46.92	0.00	0.00	0.00	-46.92
SPECTRUM	0.00	0.00	0.00	14.93	0.00	-14.93	0.00	0.00	0.00	-14.93
JHABUA POWER_MH	2.47	0.00	-2.47	37.11	0.13	-36.99	11.60	4.14	7.46	-32.00
SASAN UMPP	0.00	0.00	0.00	3.46	0.00	-3.46	0.77	62.99	-62.22	-65.69
TRN ENERGY	7.44	0.00	-7.44	0.00	0.00	0.00	0.04	1.70	-1.66	-9.10
RKM POWER	251.11	0.00	-251.11	48.39	0.00	-48.39	9.92	3.58	6.34	-293.16
SKS POWER	105.07	0.00	-105.07	21.78	3.43	-18.35	0.78	0.91	-0.13	-123.55
BARC	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.70	-0.69	-0.69
KAPP 3&4	0.00	0.00	0.00	0.00	3.65	3.65	3.49	48.12	-44.63	-40.98
HVDC CHAMPA	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.02	0.51	0.51
MAHINDRA_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	3.65	2.12	1.53	1.53
ARINSUM_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.16	2.72	1.44	1.44
OSTRO	0.00	0.00	0.00	0.00	0.00	0.00	5.25	8.95	-3.70	-3.70
ACME_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	2.62	2.90	-0.28	-0.28
RENEW_BHACHAU	0.00	0.00	0.00	0.00	0.00	0.00	3.56	9.48	-5.92	-5.92
GIWEL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	8.64	17.72	-9.08	-9.08
INOX_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	3.34	3.21	0.13	0.13
AGEMPL BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	5.87	3.59	2.29	2.29
REGL	224.30	0.00	-224.30	126.76	0.00	-126.76	11.64	5.02	6.62	-344.44
RPREL	540.12	0.00	-540.12	178.79	0.00	-178.79	19.74	8.85	10.89	-708.01
AMPS Hazira	0.00	182.49	182.49	0.00	144.06	144.06	21.23	23.42	-2.19	324.36
HVDC RAIGARH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.25	-0.24	-0.24
RGPPL_Others	0.00	0.00	0.00	0.11	0.00	-0.11	0.00	0.00	0.00	-0.11
ALFANAR_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	5.37	8.00	-2.63	-2.63
RENEW_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	2.99	5.23	-2.24	-2.24
NTPC STNS-SR	0.00	0.00	0.00	30.19	0.00	-30.19	36.07	27.21	8.86	-21.33
LANKO KONDAPALL	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.502	0.502
SIMHAPURI	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.01	0.29	0.29
MEENAKSHI	17.66	0.00	-17.66	26.30	0.08	-26.22	5.23	1.38	3.85	-40.04
COASTGEN	0.00	0.00	0.00	0.00	0.00	0.00	3.38	2.02	1.35	1.35
THERMAL POWERTE	0.00	0.00	0.00	85.49	0.00	-85.49	7.85	2.28	5.56	-79.93
IL&FS	14.09	0.00	-14.09	11.80	0.00	-11.80	4.13	1.28	2.85	-23.03
NLC	0.00	0.00	0.00	82.60	0.00	-82.60	34.46	38.26	-3.80	-86.39
SEMBCORP	448.93	0.00	-448.93	204.99	0.00	-204.99	3.67	3.67	0.00	-653.92
NETCL VALLUR	0.00	0.00	0.00	0.00	0.00	0.00	13.32	2.00	11.32	11.32
NTPL	0.00	0.00	0.00	24.98	0.00	-24.98	3.11	1.09	2.02	-22.96
AHSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.70	0.31	0.31

AKSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.60	1.08	-0.48	-0.48
ABSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.59	1.15	-0.56	-0.56
AZURE_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.92	-0.33	-0.33
TATA_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.07	1.90	-0.83	-0.83
FRV_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.59	0.18	0.18
NTPC_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	4.26	4.31	-0.04	-0.04
GIWEL_TCN	0.00	0.00	0.00	0.00	0.00	0.00	8.21	7.26	0.96	0.96
MYTRAH_TCN	0.00	0.00	0.00	0.00	0.00	0.00	8.26	3.68	4.58	4.58
FRV_NPK	0.00	0.00	0.00	0.00	0.00	0.00	0.75	1.02	-0.27	-0.27
ORANGE_TCN	0.00	0.00	0.00	0.00	0.00	0.00	5.44	7.12	-1.67	-1.67
BETAM_TCN	0.00	0.00	0.00	0.00	0.00	0.00	4.22	4.94	-0.72	-0.72
SBG_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.64	2.60	0.04	0.04
SBG_NPK	0.00	0.00	0.00	0.00	0.00	0.00	3.26	3.64	-0.39	-0.39
FORTUM1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.65	1.54	0.11	0.11
PARAM_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.99	3.28	-1.29	-1.29
YARROW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.71	1.15	-0.44	-0.44
TATA_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	5.61	7.78	-2.17	-2.17
RENEW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.69	0.96	-0.27	-0.27
AKS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.98	-0.27	-0.27
ARS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.64	1.15	-0.51	-0.51
AVAADA1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.91	3.36	-1.45	-1.45
ADY1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.71	1.23	-0.52	-0.52
ADY2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.68	1.25	-0.57	-0.57
ADY13_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.71	1.23	-0.52	-0.52
ADY3_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.58	1.16	-0.58	-0.58
ADY6_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.59	1.23	-0.64	-0.64
ADY10_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.74	1.14	-0.40	-0.40
AZURE_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.29	2.67	-1.38	-1.38
FORTUM2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	3.37	5.39	-2.02	-2.02
AVAADA2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.11	3.49	-1.38	-1.38
KREDL_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.91	-0.34	-0.34
AYANA_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	1.78	2.24	-0.47	-0.47
SPRNG_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	0.40	5.25	-4.85	-4.85
NTPC STNS-ER	0.05	0.00	-0.05	13.93	0.00	-13.93	58.80	32.97	25.83	11.86
MAITHON POWER L	0.00	0.00	0.00	0.00	0.00	0.00	4.25	5.79	-1.54	-1.54
NPGC	0.00	0.00	0.00	0.00	0.00	0.00	3.20	2.42	0.78	0.78
ADHUNIK POWER LT	97.06	0.00	-97.06	7.00	0.00	-7.00	3.05	3.31	-0.26	-104.32
CHUZACHEN HEP	7.00	0.00	-7.00	1.12	0.00	-1.12	0.31	0.59	-0.29	-8.41
RANGIT HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.99	-0.44	-0.44
GMR KAMALANGA	26.50	0.00	-26.50	13.27	0.00	-13.27	3.02	4.06	-1.04	-40.80
JITPL	67.17	0.00	-67.17	124.39	0.00	-124.39	3.81	1.21	2.60	-188.96
TEESTA HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.15	5.13	-4.98	-4.98
DAGACHU	20.40	0.00	-20.40	0.00	0.00	0.00	3.93	0.00	3.93	-16.47
JORETHANG	12.23	0.00	-12.23	1.66	0.00	-1.66	2.88	0.37	2.52	-11.38
NEPAL(NVVN)	0.00	180.20	180.20	0.00	0.00	0.00	24.01	0.94	23.07	203.27
BANGLADESH	0.00	17.66	17.66	0.00	0.00	0.00	5.31	3.41	1.90	19.56
HVDC PUS	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	-0.08	-0.08
TEESTA STG3	0.00	0.00	0.00	132.25	0.00	-132.25	5.53	1.57	3.96	-128.29
DIKCHU HEP	3.33	0.00	-3.33	3.94	0.00	-3.94	0.84	0.97	-0.13	-7.41
HVDC ALPD	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.12	-0.04	-0.04
TASHIDENG HEP	12.08	0.00	-12.08	1.26	0.00	-1.26	1.89	0.23	1.66	-11.68
BRBCL,NABINAGAR	0.00	0.00	0.00	0.98	0.00	-0.98	3.56	2.64	0.92	-0.06
MTPS II	0.00	0.00	0.00	0.00	0.00	0.00	3.31	0.91	2.40	2.40
TALA HEP	0.00	0.00	0.00	0.00	0.00	0.00	57.12	0.03	57.09	57.09
CHUKHA HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.17	33.03	-32.85	-32.85
KURICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	34.56	0.00	34.56	34.56
MANGDECHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.98	1.99	-1.02	-1.02
NTPC STNS-NER	0.05	0.00	-0.05	15.34	0.00	-15.34	3.93	1.65	2.28	-13.11
NEEPCO STNS	40.38	0.00	-40.38	22.95	0.00	-22.95	0.99	6.45	-5.46	-68.79
RANGANADI HEP	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.95	0.92	0.92
DOYANG HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.28	0.43	-0.16	-0.16
ONGC PALATANA	59.10	0.00	-59.10	1.49	0.00	-1.49	0.86	1.02	-0.16	-60.75
LOKTAK	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.24	-0.12	-0.12
PARE HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.39	-0.21	-0.21

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*