



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

September 2021



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## Abbreviations

<b>Abbreviation</b>	<b>Expanded Version</b>
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
ADANIHB_SLR	Adani Hybrid Energy Jaisalmer One Limited (Solar)
ADANIHB_WIND	Adani Hybrid Energy Jaisalmer One Limited (Wind)
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
AZURE43_SLR	Azure Power Forty Three Private Limited
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
EDEN_SLR	Eden RE Cite Private limited
EMCO	EMCO Energy Limited
ESPL_RADHANESDA	Electro Solaire Private Limited, Radhanesda
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
GIPCL_RADHANESDA	Gujarat Industries Power Company Ltd, Radhanesda
GIWEL_BHUJ	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_BHUJ	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
MAHOBA_SLR	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
MRPL	Mahindra Renewables Private Limited
MTPS II	Muzaffarpur Thermal Power Station – Stage II
MYTRAH_TCN	Mytrah Energy (India) Private Limited, Tuticorin
MU	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
NTECLVallur	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
RENEWJH_SLR	RENEW SOLAR ENERGY (JHARKHAND THREE) PRIVATE LIMITED
RENEWSW_SLR	Renew Sun Waves Private Limited
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
RONGNICHU HEP	Rongnichu Hydro Electric Power Project
RPREL	Raipur Energen Limited
RTC	Round The Clock
RTM	Real Time Market
SasanUMPP	Sasan Ultra Mega Power Project
SB_SLR	Soft Bank Solar
SB6_POKARAN	SB Energy Six Private Limited, Pokaran
SBG CLEANTECH_SLR	SBG Cleantech Ltd
SBG_NPK	SB Energy Solar Private Limited, NP Kunta
SBG_PVGD	SB Energy Solar Private Limited, Pavagada
SBSR_SLR	SBSR Power Cleantech Eleven Private Limited
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
SPRING_PUGALUR	Spring Solar Power Private Limited, Pugalur
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
TPREL_RADHANESDA	Tata Power Renewable Energy Limited, Radhanesda
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. The monthly report on short-term transactions of electricity, published by CERC since 2008 as part of its market monitoring process, provides a snapshot of key aspects of short-term transactions of electricity in India. 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 main objectives of the report are: (i) to analyze the volume and price of the short-term transactions of electricity; (ii) to assess the competition among the market players; (iii) to analyse the 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 disseminate all other relevant market information. The analysis of short-term transactions of electricity during the month of **September 2021** is presented in the following sections.

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

2.1. During September 2021, total electricity generation, excluding generation from renewable and captive power plants in India was 108371.93 MU (Table-1). Of the total electricity generation, 14.96% was transacted through short-term, comprising of 7.62% through Day Ahead Market (DAM) and Real Time Market (RTM) of power exchanges, followed by 5.34% through bilateral (through traders and term-ahead contracts on power exchanges and directly between distribution companies) and 2.00% through DSM (Table-1 & Figure-1).

2.2. Of the total short-term transactions (16213.15 MU), 50.96% was transacted through DAM and RTM of power exchanges, followed by 35.67% through bilateral (23.96% through traders and term-ahead contracts on power exchanges, and 11.71% directly between distribution companies) and 13.37% through DSM (Table-1 & Figure-2). Daily volume of short-term transactions is shown in Table-22 & Figure-4.



2.3. Of the total volume of electricity transacted through power exchanges, 69.00% of the volume was transacted in DAM, followed by 19.81% in RTM and 11.19% in Term Ahead Market (TAM) (including G-TAM) (Figure-3).

2.4. The share of electricity traded by each trading licensee is given 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 36 trading licensees as on September 2021. Of which, 26 trading licensees were engaged in short-term trading. The top 5 trading licensees, namely PTC India Ltd., Tata Power Trading Company (P) Ltd., NTPC Vidyut Vyapar Nigam Ltd., Manikaran Power Ltd. and Adani Enterprises Ltd. had a share of 84.69% in the total volume of electricity traded by all the licensees.

2.5. Herfindahl-Hirschman Index (HHI), a commonly accepted index to calculate market concentration, 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 0.2643 for the month of September 2021, which indicates high concentration of market power (Table-2).

2.6. The volume of electricity transacted in the DAM of IEX and PXIL was 6418.26 MU and 1.27 MU respectively. The volume of total buy bids and sell bids was 8302.88MU and 9546.54MU respectively in IEX, while the same was 27.08MU and 102.47MU respectively in PXIL.

2.7. The volume of electricity transacted in the RTM of IEX was 1842.59MU, while no electricity was transacted in the RTM of PXIL. The volume of total buy bids and sell bids was 2530.27 MU and 3682.31 MU 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 192.86 MU and 251.17 MU respectively (Table-7& Table-8). The volume of electricity transacted in the

Green Term Ahead Market (G-TAM) of IEX and PXIL was 543.13MU and 54.36MU respectively (Table-9 & Table-10).

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

3.1. **Price of electricity transacted through Traders:** The minimum, maximum and weighted average sale prices for the electricity transacted through traders were ₹3.00/kWh, ₹5.39/kWh and ₹3.61/kWh respectively (Table-3). The weighted average sale prices were also computed for the electricity transacted during Round the Clock (RTC), Peak and Off-peak periods separately, and the sale prices were ₹3.59/kWh, ₹4.61/kWh and ₹3.85/kWh respectively (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 ₹1.50/kWh, ₹20.00/kWh and ₹4.51/kWh respectively. These prices in the DAM of PXIL were ₹3.33/kWh, ₹15.90/kWh and ₹6.59/kWh respectively (Table-5). The minimum, maximum and weighted average prices for the electricity transacted in the RTM of IEX were ₹0.50/kWh, ₹20.00/kWh and ₹3.98/kWh respectively (Table-6). The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹4.03/kWh and ₹4.61/kWh respectively (Table-7 and Table-8). The price of electricity transacted in the G-TAM of IEX and PXIL was ₹4.63/kWh and ₹4.96/kWh respectively (Table-9 and Table-10).

3.3. **Price of electricity transacted through DSM:** The minimum, maximum and average price of DSM was ₹0.00/kWh, ₹8.00/kWh and ₹3.55/kWh respectively (Table-11).

3.4. The prices of electricity transacted through trading licensees, power exchanges and DSM and their comparison are shown in Table-23 & 24 and 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 ₹0.023/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 39.91% of the volume. These were Madhya Pradesh, Karnataka, Himachal Pradesh, Raipur Energen Limited and Jaypee Nigrie Super Thermal Power Project (Table-12). Top 5 regional entities purchased 65.92% of the volume, and these were Punjab, Haryana, Delhi, Odisha and Uttar Pradesh (Table-13).

5.2. Of the total DAM transactions of power exchanges, top 5 regional entities sold 45.21% of the volume, and these were Uttar Pradesh, Telangana, Teesta Stage 3 Hydro Power Project, Odisha and Karnataka (Table-14). Top 5 regional entities purchased 75.66% of the volume, and these were Gujarat, Punjab, Andhra Pradesh, Maharashtra and Tamil Nadu (Table-15).

5.3. Of the total RTM transactions of power exchanges, top 5 regional entities sold 43.64% of the volume, and these were Telangana, Jammu & Kashmir, Uttar Pradesh, West Bengal and Neyveli Lignite Corporation Limited (Table-16). Top 5 regional entities purchased 51.03% of the volume, and these were Rajasthan, Andhra Pradesh, Maharashtra, Gujarat and Tamil Nadu (Table-17).

5.4. Of the total DSM transactions, top 5 regional entities under drew 22.87% of the volume, and these were NHPC Stations, Uttar Pradesh, Maharashtra, Punjab and Telangana (Table-18). Top 5 regional entities overdrew 26.47% of the volume, and these were NTPC Stations (Western Region), Tala Hydroelectric Project Bhutan, Rajasthan, NTPC Stations (Northern Region) and Tamil Nadu (Table-19).

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 are shown in Table-20 & 25. Top 5 electricity selling regional entities were Karnataka, Himachal Pradesh, Teesta Stage 3 Hydro Power Project, Telangana and Sembcorp Gayatri Power Ltd. Top 5

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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.

electricity purchasing regional entities were Gujarat, Punjab, Haryana, Maharashtra and Andhra Pradesh.

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

6.1. 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 process 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. 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. During the month of September 2021, congestion was experienced in RTM on IEX only (Table-21).

6.4. The volume of electricity that could not be cleared, due to congestion, in RTM on IEX, was 0.11% of the unconstrained cleared volume. In terms of time, congestion occurred was 3.54% during the month (Table-21).

## **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 Exchanges, 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 during the month of September 2021 as the scheduled trading was postponed by Hon'ble APTEL in matter of the CERC Order dated 17<sup>th</sup> June 2020, 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 14.96%.
- (2) Of the total short-term transactions (16213.15 MU), 50.96% was transacted through DAM and RTM of power exchanges, followed by 35.67% through bilateral (23.96% through traders and term-ahead contracts on power exchanges, and 11.71% directly between distribution companies) and 13.37% through DSM
- (3) Of the total volume of electricity transacted through power exchanges, 69.00% of the volume was transacted in DAM, followed by 19.81% in RTM and 11.19% in Term Ahead Market (TAM) (including G-TAM).
- (4) Top 5 trading licensees had a share of 84.69% 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 0.2643, indicating moderate concentration of market power.
- (6) The weighted average price of electricity transacted through trading licensees was ₹3.61/kWh.

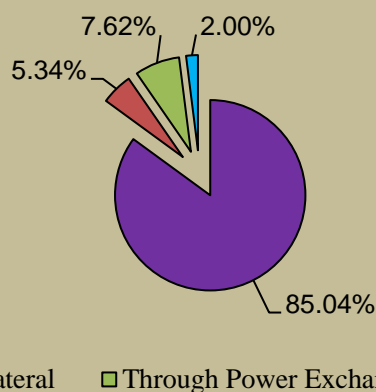
- (7) The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹4.03/kWh and ₹4.61/kWh respectively. The weighted average price of electricity transacted in the G-TAM of IEX and PXIL was ₹4.63/kWh and ₹4.96/kWh respectively.
- (8) The weighted average price of electricity transacted in DAM of IEX and PXIL was ₹4.51/kWh and ₹6.59/kWh. The weighted average price of electricity transacted in RTM of IEX was ₹3.98/kWh. No electricity was transacted in the RTM of PXIL.
- (9) The average price of electricity transacted through DSM was ₹3.55/kWh.
- (10) The weighted average trading margin charged by the trading licensees for bilateral transactions was ₹0.023/kWh. The trading margin charged during the month was in line with the Trading Licence Regulations 2020.
- (11) Top 5 electricity selling regional entities were Karnataka, Himachal Pradesh, Teesta Stage 3 Hydro Power Project, Telangana and Sembcorp Gayatri Power Ltd. Top 5 electricity purchasing regional entities were Gujarat, Punjab, Haryana, Maharashtra and Andhra Pradesh.
- (12) During the month, congestion was experienced in RTM on IEX only. The volume of electricity that could not be cleared due to congestion was 0.11% of the unconstrained cleared volume. In terms of time, congestion occurred was 3.54% in RTM during the month.
- (13) There were no transactions of RECs on both the power exchanges during the month, as the scheduled REC trading sessions were postponed by the order of Hon'ble APTEL.

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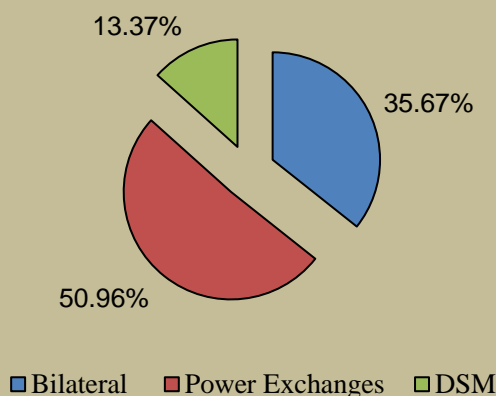
<b>Table-1: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (ALL INDIA), SEPTEMBER 2021</b>				
<b>Sr.No</b>	<b>Short-term transactions</b>	<b>Volume (MU)</b>	<b>% to Volume of short-term transactions</b>	<b>% to Total Generation</b>
1	Bilateral	<b>5783.62</b>	<b>35.67</b>	<b>5.34</b>
	(i) Through Traders and PXs	3885.24	23.96	3.59
	(ii) Direct	1898.38	11.71	1.75
2	Through Power Exchanges	<b>8262.12</b>	<b>50.96</b>	<b>7.62</b>
	(i) IEX			
	(a) DAM	6418.26	39.59	5.92
	(b) RTM	1842.59	11.36	1.70
	(ii)PXIL			
	(a) DAM	1.27	0.01	0.001
	(b) RTM	0.00	0.00	0.00
3	Through DSM	<b>2167.41</b>	<b>13.37</b>	<b>2.00</b>
	<b>Total</b>	<b>16213.15</b>	-	<b>14.96</b>
	<b>Total Generation</b>	<b>108371.93</b>	-	-

Source: NLDC

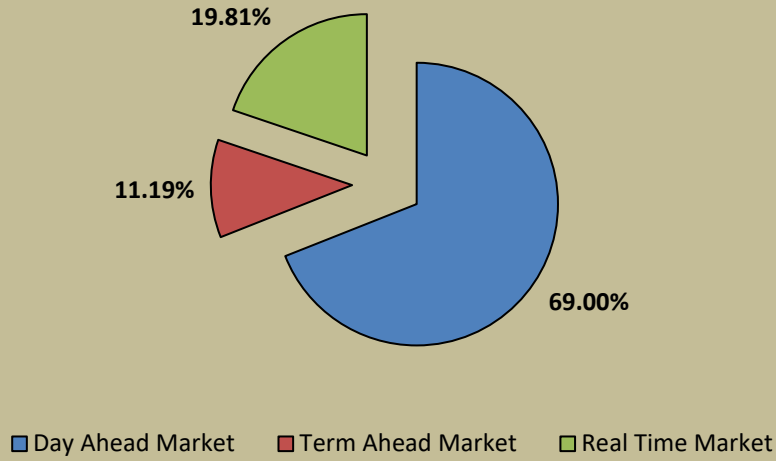
**Figure-1: Volume of Various Kinds of Electricity Transactions in Total Electricity Generation, September 2021**



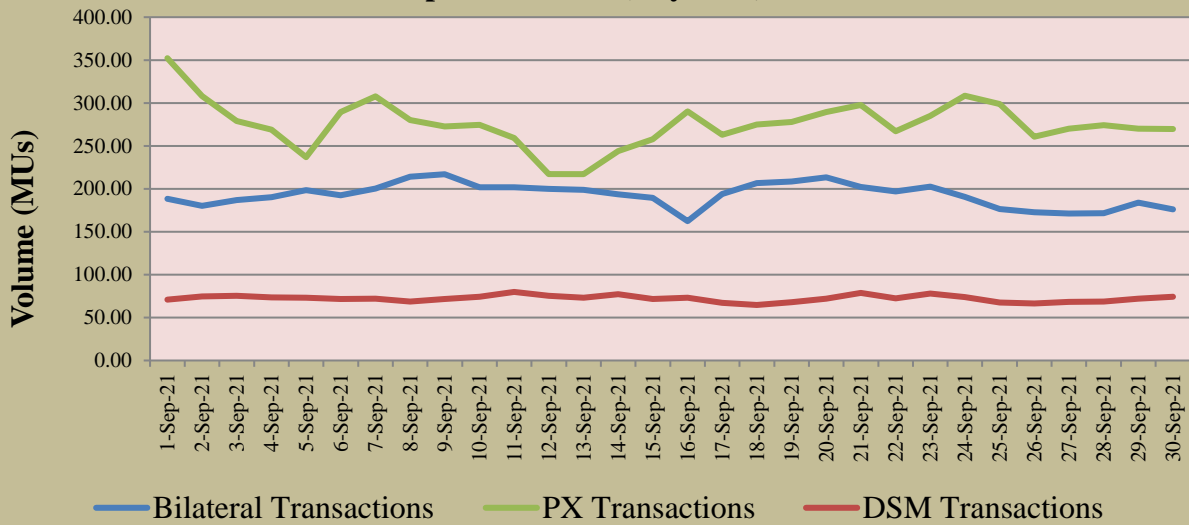
**Figure-2: Volume of Short-term Transactions of Electricity, September 2021**



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



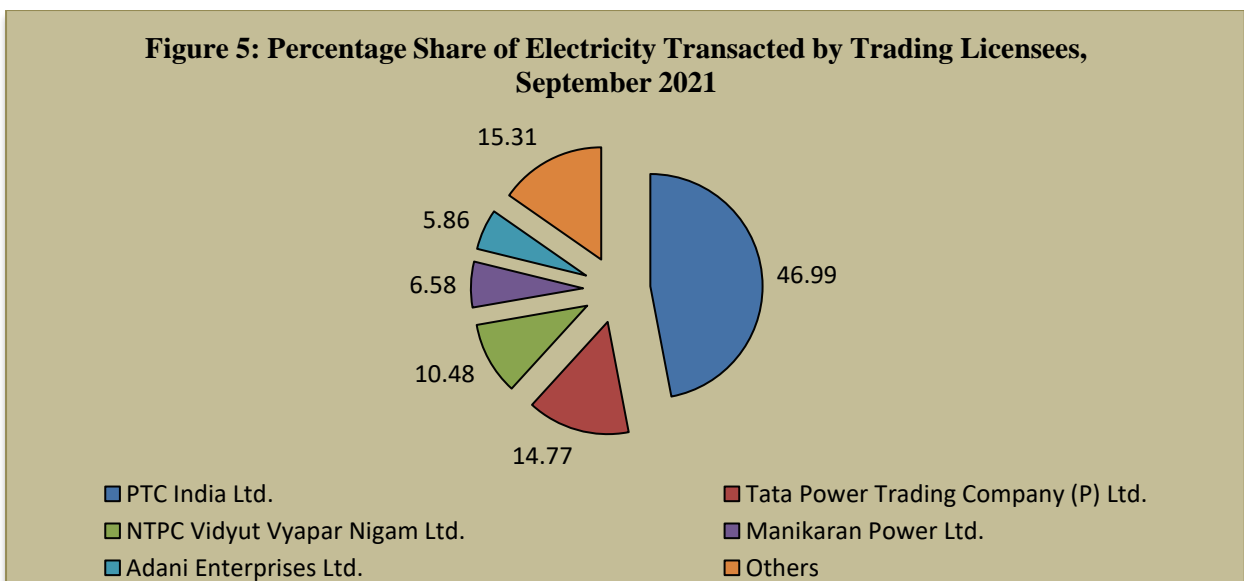
**Figure-4: Volume of Short-term Transactions of Electricity, September 2021 (Day-wise)**





**Table-2: PERCENTAGE SHARE OF ELECTRICITY TRANSACTED BY TRADING LICENSEES, SEPTEMBER 2021**

Sr.No	Name of the Trading Licensee	% Share in total Volume transacted by Trading Licensees	Herfindahl-Hirschman Index
1	PTC India Ltd.	46.99	0.2208
2	Tata Power Trading Company (P) Ltd.	14.77	0.0218
3	NTPC Vidyut Vyapar Nigam Ltd.	10.48	0.0110
4	Manikaran Power Ltd.	6.58	0.0043
5	Adani Enterprises Ltd.	5.86	0.0034
6	Arunachal Pradesh Power Corporation (P) ltd	3.52	0.0012
7	GMR Energy Trading Ltd.	2.36	0.0006
8	Kreate Energy (I) Pvt. Ltd.	2.29	0.0005
9	Essar Electric Power Development Corp. Ltd.	1.58	0.0002
10	Statkraft Markets Pvt. Ltd.	0.85	0.0001
11	National Energy Trading & Services Ltd.	0.77	0.0001
12	Knowledge Infrastructure Systems (P) Ltd	0.65	0.0000
13	RPG Power Trading Company Ltd.	0.62	0.0000
14	JSW Power Trading Company Ltd	0.55	0.0000
15	Greenko Energies Pvt Ltd	0.47	0.0000
16	NHPC Limited	0.45	0.0000
17	Instinct Infra & Power Ltd.	0.43	0.0000
18	Saranyu Power Trading Private Limited	0.31	0.0000
19	Abja Power Private Limited	0.23	0.0000
20	NLC India Ltd.	0.10	0.0000
21	Shree Cement Ltd.	0.05	0.0000
22	Customized Energy Solutions India (P) Ltd.	0.03	0.0000
23	Refex Energy Limited	0.02	0.0000
24	Gita Power & Infrastructure Private Limited	0.01	0.0000
25	Altilium Energie Private Limited	0.01	0.0000
26	Phillip Commodities India (P) Ltd.	0.01	0.0000
<b>TOTAL</b>		<b>100.00%</b>	<b>0.2643</b>
<b>Top 5 trading licensees</b>		<b>84.69%</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>			



<b>Table-3: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS, SEPTEMBER 2021</b>		
<b>Sr.No</b>	<b>Item</b>	<b>Sale Price of Traders (₹/kWh)</b>
1	Minimum	3.00
2	Maximum	5.39
3	Weighted Average	3.61

*Source: Information submitted by trading licensees*

<b>Table-4: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS (TIME-WISE), SEPTEMBER 2021</b>		
<b>Sr.No</b>	<b>Period of Trade</b>	<b>Sale Price of Traders (₹/kWh)</b>
1	RTC	3.59
2	PEAK	4.61
3	OFF PEAK	3.85

*Source: Information submitted by trading licensees*

<b>Table-5: PRICE OF ELECTRICITY TRANSACTED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, SEPTEMBER 2021</b>			
<b>Sr.No</b>	<b>ACP</b>	<b>Price in IEX (₹/kWh)</b>	<b>Price in PXIL (₹/kWh)</b>
1	Minimum	1.50	3.33
2	Maximum	20.00	15.90
3	Weighted Average	4.51	6.59

*Source: IEX and PXIL*

<b>Table-6: PRICE OF ELECTRICITY TRANSACTED IN REAL TIME MARKET THROUGH POWER EXCHANGES, SEPTEMBER 2021</b>			
<b>Sr.No</b>	<b>ACP</b>	<b>Price in IEX (₹/kWh)</b>	<b>Price in PXIL (₹/kWh)</b>
1	Minimum	0.50	-
2	Maximum	20.00	-
3	Weighted Average	3.98	-

*Source: IEX and PXIL*

**Table-7: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF IEX, SEPTEMBER 2021**

Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	0.42	8.72
2	Day Ahead Contingency Contracts	68.36	4.64
3	Daily Contracts	124.09	3.68
	<b>Total</b>	<b>192.86</b>	<b>4.03</b>

Source: IEX

**Table-8: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF PXIL, SEPTEMBER 2021**

Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	3.40	6.31
2	Day Ahead Contingency Contracts	143.61	4.99
3	Any Day(s) Contracts	104.16	4.03
	<b>Total</b>	<b>251.17</b>	<b>4.61</b>

Source: PXIL

**Table-9: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF IEX, SEPTEMBER 2021**

Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	6.25	4.75
2	Day Ahead Contingency Contracts	436.02	4.63
3	Daily Contracts	95.26	4.66
4	Weekly Contracts	5.60	4.15
	<b>Total</b>	<b>543.13</b>	<b>4.63</b>

Source: IEX

**Table-10: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF PXIL, SEPTEMBER 2021**

Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Day Ahead Contingency Contracts	53.06	4.98
2	Any Day(s) Contracts	1.30	4.35
	<b>Total</b>	<b>54.36</b>	<b>4.96</b>

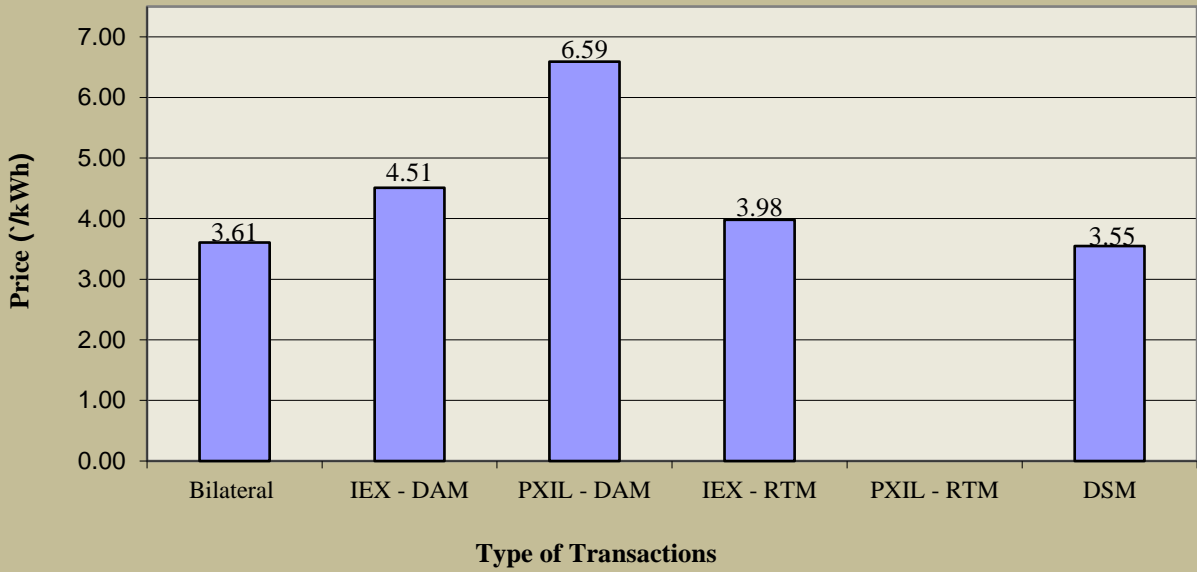
Source: PXIL

**Table-11: PRICE OF ELECTRICITY TRANSACTED THROUGH DSM, SEPTEMBER 2021**

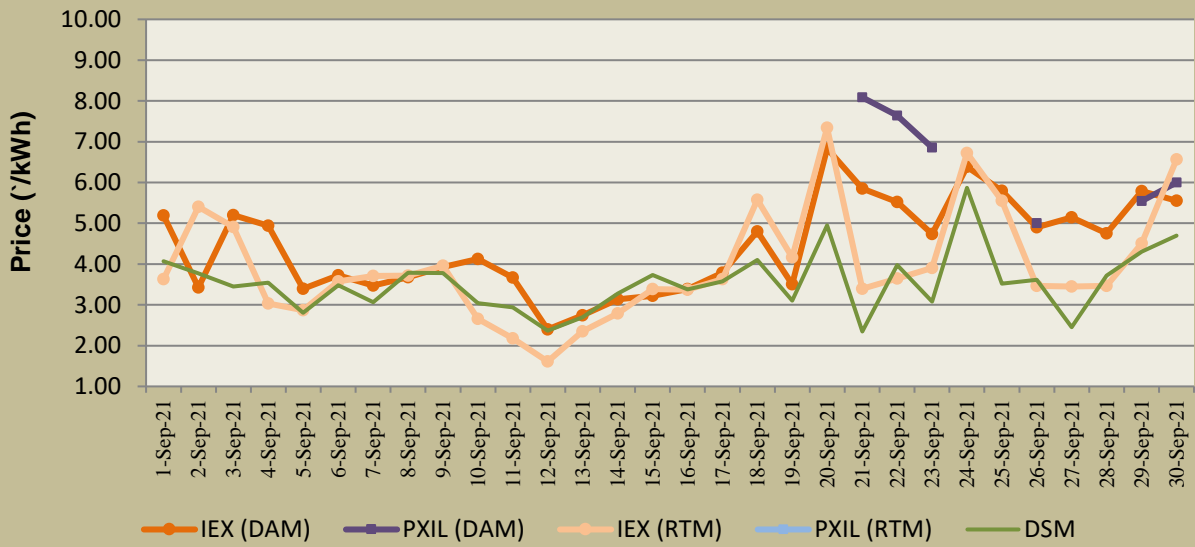
Sr.No	Item	Price in All India Grid (₹/kWh)
1	Minimum	0.00
2	Maximum	8.00
3	Average	3.55

Source: NLDC

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



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



*Note: On PXIL, electricity was transacted in DAM on 21<sup>st</sup> – 23<sup>rd</sup>, 26<sup>th</sup>, 29<sup>th</sup> – 30<sup>th</sup> September 2021, while no electricity was transacted in RTM during September 2021*

<b>Table-12: VOLUME OF ELECTRICITY SOLD THROUGH BILATERAL, SEPTEMBER 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Sale (MUs)</b>	<b>% of Volume</b>
MP	600.53	10.38
KARNATAKA	493.39	8.53
HIMACHAL PRADESH	461.20	7.97
RPREL	409.12	7.07
JAYPEE NIGRIE	344.68	5.96
UTTARAKHAND	246.19	4.26
JITPL	223.75	3.87
DVC	221.52	3.83
SEMBCORP	204.10	3.53
DB POWER	194.31	3.36
TEESTA STG3	191.50	3.31
J & K	190.35	3.29
RKM POWER	188.15	3.25
ESSAR POWER	160.38	2.77
SKS POWER	146.57	2.53
REGL	145.66	2.52
MB POWER	105.36	1.82
ADHUNIK POWER LTD	92.16	1.59
DAGACHU	88.34	1.53
IL&FS	65.67	1.14
SIKKIM	60.92	1.05
KSK MAHANADI	60.70	1.05
TELANGANA	60.60	1.05
GUJARAT	50.10	0.87
ADANIHB_SLR	45.82	0.79
MRPL	44.79	0.77
EDEN_SLR	44.35	0.77
ARERJL_SLR	39.96	0.69
NEEPCO STATIONS	38.09	0.66
ODISHA	37.90	0.66
MANIPUR	37.70	0.65
KARCHAM WANGTOO	33.30	0.58
ONGC PALATANA	33.18	0.57
RAJASTHAN	32.86	0.57
RENEWSW_SLR	32.30	0.56
JHABUA POWER_MP	32.22	0.56
TAMIL NADU	24.04	0.42
RENEWJH_SLR	23.51	0.41
MEGHALAYA	23.50	0.41
GOA	21.60	0.37
KERALA	21.59	0.37
AD HYDRO	20.88	0.36
TATA_SLR	20.31	0.35
ASEJTL_SLR	18.94	0.33
JINDAL POWER	18.70	0.32
DIKCHU HEP	18.10	0.31
AZURE43_SLR	15.78	0.27
SAINJ HEP	12.20	0.21
JINDAL STAGE-II	8.57	0.15

NAGALAND	8.39	0.15
ACME_SLR	7.71	0.13
ANDHRA PRADESH	7.68	0.13
LANKO_AMK	6.86	0.12
ARUNACHAL PRADESH	6.71	0.12
MAHARASHTRA	5.93	0.10
TASHIDENG HEP	5.88	0.10
JORETHANG	5.61	0.10
ADANI_WIND	5.08	0.09
GMR KAMALANGA	4.13	0.07
WEST BENGAL	3.76	0.07
ADANIHB_WIND	3.35	0.06
SBSR_SLR	2.95	0.05
CHHATTISGARH	2.90	0.05
HARYANA	1.46	0.03
CONTINNUM PT	0.51	0.01
SHREE CEMENT	0.42	0.01
<b>Total</b>	<b>5784.76</b>	<b>100.00</b>
<b>Volume Sold by top 5 Regional Entities</b>	<b>2308.92</b>	<b>39.91</b>

<b>Table-13: VOLUME OF ELECTRICITY PURCHASED THROUGH BILATERAL, SEPTEMBER 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Purchase (MUs)</b>	<b>% of Volume</b>
PUNJAB	1255.50	21.71
HARYANA	1180.99	20.42
DELHI	582.80	10.08
ODISHA	433.04	7.49
UTTAR PRADESH	360.05	6.23
MAHARASHTRA	313.53	5.42
MP	227.35	3.93
TAMIL NADU	217.47	3.76
WEST BENGAL	197.84	3.42
TELANGANA	139.47	2.41
JHARKHAND	126.45	2.19
BIHAR	124.44	2.15
AMPS Hazira	107.82	1.86
CHHATTISGARH	99.75	1.72
RAJASTHAN	97.74	1.69
GUJARAT	97.15	1.68
DADRA & NAGAR HAVELI	75.69	1.31
GOA	42.86	0.74
SIKKIM	27.05	0.47
KARNATAKA	26.85	0.46
ANDHRA PRADESH	19.44	0.34
BALCO	14.57	0.25
UTTARAKHAND	10.07	0.17
DVC	4.91	0.08
DAMAN AND DIU	0.59	0.01
ASSAM	0.20	0.003
<b>TOTAL</b>	<b>5783.62</b>	<b>100.00</b>
<b>Volume Purchased by top 5 Regional Entities</b>	<b>3812.38</b>	<b>65.92</b>

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

<b>Name of the Entity</b>	<b>Volume of Sale (MUs)</b>	<b>% of Volume</b>
UTTAR PRADESH	746.53	11.63
TELANGANA	658.66	10.26
TEESTA STG3	505.58	7.88
ODISHA	497.56	7.75
KARNATAKA	493.83	7.69
HIMACHAL PRADESH	399.30	6.22
SEMBCORP	346.55	5.40
JINDAL POWER	303.65	4.73
JITPL	241.20	3.76
NTPC STATIONS-SR	202.07	3.15
DELHI	168.99	2.63
WEST BENGAL	153.47	2.39
KERALA	83.96	1.31
BIHAR	77.75	1.21
RKM POWER	74.37	1.16
MP	73.53	1.15
ESSAR POWER	69.94	1.09
JORETHANG	66.28	1.03
RPREL	65.99	1.03
TASHIDENG HEP	65.55	1.02
SINGOLI BHATWARI HEP	65.10	1.01
RAJASTHAN	58.21	0.91
CHHATTISGARH	57.98	0.90
ACBIL	56.97	0.89
NEEPCO STATIONS	54.66	0.85
AD HYDRO	51.48	0.80
DIKCHU HEP	48.32	0.75
GMR KAMALANGA	45.95	0.72
MARUTI COAL	45.88	0.71
SAINJ HEP	43.21	0.67
J & K	42.11	0.66
JINDAL STAGE-II	38.05	0.59
ASSAM	32.59	0.51
SHREE CEMENT	31.08	0.48
CHANDIGARH	31.06	0.48
KARCHAM WANGTOO	30.89	0.48
ARUNACHAL PRADESH	29.92	0.47
REGL	28.19	0.44
GOA	25.22	0.39
DB POWER	24.83	0.39
MAHARASHTRA	24.14	0.38
MB POWER	22.29	0.35
NTPC STATIONS-NER	22.20	0.35
GUJARAT	20.58	0.32
JAYPEE NIGRIE	20.56	0.32
ONGC PALATANA	18.99	0.30
MEGHALAYA	18.47	0.29
TAMIL NADU	18.22	0.28
ANDHRA PRADESH	16.78	0.26



JHARKHAND	13.03	0.20
MIZORAM	11.61	0.18
DVC	11.06	0.17
SIKKIM	10.88	0.17
CHUZACHEN HEP	10.37	0.16
TRIPURA	7.55	0.12
HARYANA	6.77	0.11
NLC	5.68	0.09
LANCO BUDHIL	4.20	0.07
JHABUA POWER_MP	4.02	0.06
RGPPL	3.39	0.05
NTPL	2.82	0.04
IL&FS	2.56	0.04
ADANI_WIND	2.43	0.04
DHARIWAL POWER	1.43	0.02
NAGALAND	0.91	0.01
NTPC STATIONS-ER	0.73	0.01
UTTARAKHAND	0.70	0.01
PUNJAB	0.53	0.01
CONTINNUM PT	0.13	0.002
RENEWSW_SLR	0.03	0.0005
<b>Total</b>	<b>6419.53</b>	<b>100.00</b>
<b>Volume sold by top 5 Regional Entities</b>	<b>2902.16</b>	<b>45.21</b>

**Table-15: VOLUME OF ELECTRICITY PURCHASED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, SEPTEMBER 2021**

<b>Name of the Entity</b>	<b>Volume of Purchase (MUs)</b>	<b>% of Volume</b>
GUJARAT	2320.80	36.15
PUNJAB	954.35	14.87
ANDHRA PRADESH	661.14	10.30
MAHARASHTRA	556.58	8.67
TAMIL NADU	363.83	5.67
HARYANA	219.68	3.42
UTTAR PRADESH	203.49	3.17
BIHAR	200.48	3.12
RAJASTHAN	179.76	2.80
ASSAM	137.88	2.15
MP	131.04	2.04
TELANGANA	93.57	1.46
UTTARAKHAND	84.67	1.32
DADRA & NAGAR HAVELI	53.27	0.83
DELHI	50.16	0.78
AMPS Hazira	43.08	0.67
CHHATTISGARH	40.28	0.63
WEST BENGAL	27.59	0.43
DAMAN AND DIU	25.04	0.39
KARNATAKA	23.77	0.37
BALCO	14.00	0.22
KERALA	11.42	0.18
ODISHA	9.18	0.14
HIMACHAL PRADESH	4.81	0.07
JHARKHAND	4.76	0.07
GOA	1.66	0.03
MANIPUR	1.58	0.02
CHANDIGARH	1.44	0.02
TRIPURA	0.17	0.003
MEGHALAYA	0.02	0.0003
<b>TOTAL</b>	<b>6419.53</b>	<b>100.00</b>
<b>Volume purchased by top 5 Regional Entities</b>	<b>4856.71</b>	<b>75.66</b>

**Table-16: VOLUME OF ELECTRICITY SOLD IN REAL TIME MARKET THROUGH POWER EXCHANGES, SEPTEMBER 2021**

<b>Name of the Entity</b>	<b>Volume of Sale (MUs)</b>	<b>% of Volume</b>
TELANGANA	211.47	11.48
J & K	186.83	10.14
UTTAR PRADESH	170.21	9.24
WEST BENGAL	131.15	7.12
NLC	104.39	5.67
RAJASTHAN	104.03	5.65
ODISHA	101.58	5.51
MP	83.41	4.53
HIMACHAL PRADESH	83.08	4.51
KARNATAKA	82.13	4.46
DELHI	81.71	4.43
NEEPCO STATIONS	70.79	3.84
NTPC STATIONS-SR	35.27	1.91
CHHATTISGARH	32.65	1.77
MB POWER	31.04	1.68
ASSAM	27.77	1.51
NTPC STATIONS-WR	27.27	1.48
KERALA	26.14	1.42
RKM POWER	22.09	1.20
SASAN UMPP	18.63	1.01
SEMBCORP	17.85	0.97
BIHAR	17.51	0.95
TRIPURA	15.91	0.86
NTPC STATIONS-ER	15.21	0.83
HARYANA	13.66	0.74
JINDAL POWER	11.17	0.61
MANIPUR	11.06	0.60
JHARKHAND	10.47	0.57
JINDAL STAGE-II	9.58	0.52
NTPC STATIONS-NER	8.54	0.46
DB POWER	6.92	0.38
GUJARAT	6.73	0.37
AD HYDRO	6.08	0.33
RPREL	5.28	0.29
SAINJ HEP	4.23	0.23
TEESTA STG3	4.15	0.23
MAHARASHTRA	4.07	0.22
MEGHALAYA	3.78	0.21
TAMIL NADU	3.56	0.19
DVC	3.31	0.18
ONGC PALATANA	3.29	0.18
NTPC STATIONS-NR	3.10	0.17
ANDHRA PRADESH	2.82	0.15
SIKKIM	2.79	0.15
PUNJAB	2.51	0.14
KARCHAM WANGTOO	2.10	0.11
REGL	1.84	0.10
SINGOLI BHATWARI HEP	1.82	0.10

TASHIDENG HEP	1.74	0.09
JHABUA POWER_MP	1.49	0.08
CHANDIGARH	1.21	0.07
SHREE CEMENT	0.96	0.05
DIKCHU HEP	0.85	0.05
IL&FS	0.73	0.04
GMR KAMALANGA	0.69	0.04
NTPL	0.66	0.04
JORETHANG	0.55	0.03
JITPL	0.43	0.02
ACBIL	0.40	0.02
RGPPL_IR	0.36	0.02
LANCO BUDHIL	0.35	0.02
ARUNACHAL PRADESH	0.32	0.02
MAITHON POWER LTD	0.25	0.01
SKS POWER	0.20	0.01
RGPPL	0.12	0.01
DADRA & NAGAR HAVELI	0.10	0.01
MARUTI COAL	0.06	0.00
RGPPL_Others	0.04	0.00
CGPL	0.04	0.002
RENEWSW_SLR	0.03	0.002
DHARIWAL POWER	0.002	0.0001
<b>Total</b>	<b>1842.59</b>	<b>100.00</b>
<b>Volume sold by top 5 Regional Entities</b>	<b>804.06</b>	<b>43.64</b>

<b>Table-17: VOLUME OF ELECTRICITY PURCHASED IN REAL TIME MARKET THROUGH POWER EXCHANGES, SEPTEMBER 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Purchase (MUs)</b>	<b>% of Volume</b>
RAJASTHAN	265.68	14.42
ANDHRA PRADESH	190.99	10.37
MAHARASHTRA	175.96	9.55
GUJARAT	170.01	9.23
TAMIL NADU	137.62	7.47
HARYANA	124.54	6.76
TELANGANA	120.58	6.54
UTTAR PRADESH	115.90	6.29
MP	83.05	4.51
BIHAR	82.73	4.49
DELHI	66.63	3.62
WEST BENGAL	57.34	3.11
PUNJAB	43.63	2.37
ODISHA	40.89	2.22
ASSAM	32.34	1.76
J & K	26.08	1.42
CHHATTISGARH	24.84	1.35
HIMACHAL PRADESH	18.23	0.99
KARNATAKA	11.29	0.61
KERALA	10.59	0.57
BALCO	9.91	0.54
AMPS Hazira	9.14	0.50
JHARKHAND	5.60	0.30
MANIPUR	4.57	0.25
DAMAN AND DIU	3.57	0.19
DVC	3.46	0.19
UTTARAKHAND	2.31	0.13
TRIPURA	1.66	0.09
DADRA & NAGAR HAVELI	1.63	0.09
TASHIDENG HEP	0.41	0.02
GOA	0.30	0.02
JORETHANG	0.30	0.02
SIKKIM	0.28	0.02
MARUTI COAL	0.18	0.01
KARCHAM WANGTOO	0.18	0.01
CHANDIGARH	0.10	0.01
ARUNACHAL PRADESH	0.04	0.002
MEGHALAYA	0.03	0.002
<b>TOTAL</b>	<b>1842.59</b>	<b>100.00</b>
<b>Volume purchased by top 5 Regional Entities</b>	<b>940.26</b>	<b>51.03</b>

**Table-18: VOLUME OF ELECTRICITY UNDER DRAWAL (EXPORTED) THROUGH DSM, SEPTEMBER 2021**

Name of the Entity	Volume of Under drawal (MUs)	% of Volume
NHPC STATIONS	120.55	5.48
UTTAR PRADESH	104.07	4.73
MAHARASHTRA	103.06	4.69
PUNJAB	92.32	4.20
TELANGANA	82.70	3.76
NTPC STATIONS-WR	82.34	3.75
GUJARAT	73.81	3.36
RAJASTHAN	68.97	3.14
TAMIL NADU	68.36	3.11
CHUKHA HEP	59.33	2.70
HARYANA	58.07	2.64
NTPC STATIONS-NR	56.56	2.57
WEST BENGAL	52.72	2.40
MP	51.29	2.33
BIHAR	50.75	2.31
KARNATAKA	50.64	2.30
ANDHRA PRADESH	46.43	2.11
SASAN UMPP	45.26	2.06
DELHI	35.08	1.60
ODISHA	30.47	1.39
NTPC STATIONS-ER	29.94	1.36
DVC	29.44	1.34
ADANIHB_SLR	28.70	1.31
AMPS Hazira	28.28	1.29
J & K	27.96	1.27
KERALA	27.09	1.23
NLC	22.68	1.03
CHHATTISGARH	21.85	0.99
NTPC STATIONS-SR	20.98	0.95
GIWEL_BHUI	20.50	0.93
BBMB	18.35	0.83
UTTARAKHAND	16.95	0.77
SIKKIM	15.31	0.70
JHARKHAND	13.95	0.63
SPRING PUGALUR	13.87	0.63
MANGDECHU HEP	12.93	0.59
AGEMPL BHUI	12.77	0.58
RENEW_BHUI	12.23	0.56
NJPC	11.28	0.51
ALFANAR_BHUI	11.05	0.50
TRIPURA	10.87	0.49
KARCHAM WANGTOO	10.84	0.49
OSTRO	10.53	0.48
ASSAM	10.44	0.47
SB6_POKARAN	9.77	0.44
RENEW_BHACHAU	9.71	0.44
ORANGE_TCN	9.03	0.41
RAMPUR HEP	8.47	0.39
PONDICHERRY	8.47	0.39
BETAM_TCN	8.40	0.38
NEEPCO STATIONS	8.37	0.38
CHANDIGARH	8.35	0.38
GMR KAMALANGA	8.09	0.37
GIWEL_TCN	7.75	0.35
AZURE43_SLR	7.34	0.33
TATA_PVGD	6.99	0.32
RKM POWER	6.96	0.32
GOA	6.80	0.31
KURICHU HEP	6.75	0.31
MAITHON POWER LTD	6.33	0.29
MRPL	6.21	0.28
MAHINDRA_RUMS	6.03	0.27

INOX_BHUJ	5.94	0.27
TEHRI	5.77	0.26
ACME_RUMS	5.61	0.26
SPRNG_NPKUNTA	5.43	0.25
JINDAL POWER	5.29	0.24
ACBIL	5.29	0.24
MEGHALAYA	5.28	0.24
AD HYDRO	5.23	0.24
AYANA_NPKUNTA	5.19	0.24
NAGALAND	5.14	0.23
JAYPEE NIGRIE	5.11	0.23
TEESTA HEP	5.08	0.23
ARINSUM_RUMS	5.07	0.23
RPREL	4.97	0.23
SBG_NPK	4.92	0.22
MYTRAH_TCN	4.73	0.22
AZURE_SLR	4.66	0.21
NPGC	4.55	0.21
NAPP	4.53	0.21
ACME_SLR	4.53	0.21
DADRA & NAGAR HAVELI	4.52	0.21
SB_SLR	4.50	0.20
HIMACHAL PRADESH	4.46	0.20
TATA_SLR	4.45	0.20
ESPL_RADHANESDA	4.41	0.20
RENEW_SLR_BKN	4.33	0.20
FORTUM2_PVGD	4.15	0.19
EDEN_SLR	4.12	0.19
SBG_PVGD	4.06	0.18
BRBCL,NABINAGAR	4.04	0.18
JINDAL STAGE-II	4.02	0.18
TALA HEP	3.88	0.18
SAINJ HEP	3.83	0.17
RENEWSW_SLR	3.82	0.17
CLEAN_SLR	3.81	0.17
MB POWER	3.77	0.17
KSK MAHANADI	3.51	0.16
AVAADA1_PVGD	3.45	0.16
NTPC STATIONS-NER	3.39	0.15
AVAADA2_PVGD	3.30	0.15
NTPC_ANTP	3.13	0.14
BARC	3.02	0.14
ARUNACHAL PRADESH	3.00	0.14
LANKO_AMK	2.98	0.14
AZURE34_SLR	2.74	0.12
MIZORAM	2.69	0.12
SEMBCORP	2.68	0.12
PARAM_PVGD	2.66	0.12
ARERJL_SLR	2.64	0.12
MANIPUR	2.64	0.12
JHABUA POWER_MP	2.61	0.12
ESSAR POWER	2.53	0.12
RENEWJH_SLR	2.46	0.11
KOTESHWAR	2.40	0.11
TPREL_RADHANESDA	2.40	0.11
KREDL_PVGD	2.15	0.10
RANGANADI HEP	2.11	0.10
GIPCL_RADHANESDA	2.10	0.10
TATA_ANTP	1.96	0.09
FORTUM1_PVGD	1.94	0.09
AZURE_PVGD	1.86	0.08
IGSTPS	1.85	0.08
BALCO	1.83	0.08
NTPL	1.82	0.08
SBSR_SLR	1.78	0.08

JITPL	1.59	0.07
THERMAL POWERTECH	1.58	0.07
NETCL VALLUR	1.52	0.07
ONGC PALATANA	1.45	0.07
ASEJTL_SLR	1.45	0.07
ADY3_PVGD	1.21	0.05
SHREE CEMENT	1.20	0.05
TEESTA STG3	1.19	0.05
RAP B	1.15	0.05
ADY6_PVGD	1.10	0.05
AZURE_ANTP	1.08	0.05
AKSP_ANTP	1.07	0.05
ABSP_ANTP	1.04	0.05
RENEW_SLR	1.03	0.05
AKS_PVGD	1.02	0.05
AHSP_ANTP	1.02	0.05
ADY1_PVGD	1.01	0.05
CHUZACHEN HEP	0.99	0.05
YARROW_PVGD	0.96	0.04
FRV_NPK	0.94	0.04
SKS POWER	0.93	0.04
ADY13_PVGD	0.93	0.04
NEPAL(NVVN)	0.91	0.04
ADY10_PVGD	0.88	0.04
NSPCL	0.88	0.04
RGPPL	0.88	0.04
ARS_PVGD	0.87	0.04
RENEW_PVGD	0.86	0.04
DAMAN AND DIU	0.84	0.04
DB POWER	0.80	0.04
FRV_ANTP	0.76	0.03
MTPS II	0.74	0.03
COASTGEN	0.73	0.03
TASHIDENG HEP	0.69	0.03
LANCO BUDHIL	0.68	0.03
CGPL	0.67	0.03
DIKCHU HEP	0.61	0.03
DHARIWAL POWER	0.57	0.03
DOYANG HEP	0.55	0.03
ADY2_PVGD	0.49	0.02
RONGNICHU HEP	0.47	0.02
RANGIT HEP	0.47	0.02
NEP	0.43	0.02
PARE HEP	0.42	0.02
SINGOLI BHATWARI HEP	0.42	0.02
OSTRO Hiriyur	0.39	0.02
LOKTAK	0.37	0.02
EMCO	0.35	0.02
ADHUNIK POWER LTD	0.34	0.02
DCPP	0.31	0.01
BANGLADESH	0.31	0.01
HVDC RAIGARH	0.27	0.01
NFF	0.24	0.01
IL&FS	0.19	0.01
VINDHYACHAL HVDC	0.17	0.01
HVDC ALPD	0.16	0.01
JORETHANG	0.10	0.005
TRN ENERGY	0.06	0.003
HVDC PUS	0.03	0.001
BHADRAVATHI HVDC	0.01	0.001
HVDC CHAMPA	0.01	0.0003
RAIL	0.002	0.0001
<b>Total</b>	<b>2198.02</b>	<b>100.00</b>
<b>Volume Exported by top 5 Regional Entities</b>	<b>502.70</b>	<b>22.87</b>



<b>Table-19: VOLUME OF ELECTRICITY OVER DRAWAL (IMPORTED) THROUGH DSM, SEPTEMBER 2021</b>		
<b>Name of the Entity</b>	<b>Volume of Over drawal (MUs)</b>	<b>% of Volume</b>
NTPC STATIONS-WR	172.92	8.09
TALA HEP	129.17	6.05
RAJASTHAN	100.01	4.68
NTPC STATIONS-NR	96.92	4.54
TAMIL NADU	66.54	3.11
MP	65.92	3.08
GUJARAT	65.16	3.05
NTPC STATIONS-ER	61.89	2.90
UTTAR PRADESH	55.63	2.60
KARNATAKA	55.28	2.59
ANDHRA PRADESH	52.38	2.45
MAHARASHTRA	50.21	2.35
NTPC STATIONS-SR	49.01	2.29
HARYANA	42.99	2.01
J & K	37.26	1.74
HIMACHAL PRADESH	36.87	1.73
CHHATTISGARH	35.40	1.66
BIHAR	31.40	1.47
TELANGANA	30.59	1.43
RAIL	28.56	1.34
ODISHA	28.10	1.31
NEPAL(NVVN)	25.47	1.19
WEST BENGAL	25.05	1.17
NLC	23.81	1.11
JHARKHAND	23.38	1.09
UTTARAKHAND	23.18	1.08
DVC	22.71	1.06
NETCL VALLUR	22.02	1.03
KERALA	21.40	1.00
PUNJAB	20.44	0.96
ASSAM	18.38	0.86
THERMAL POWERTECH	15.97	0.75
DAGACHU	14.56	0.68
AGEMPL BHUJ	14.11	0.66
DELHI	13.77	0.64
RGPPL	13.30	0.62
MB POWER	12.38	0.58
DAMAN AND DIU	12.07	0.56
CGPL	11.94	0.56
NHPC STATIONS	11.85	0.55
GIWEL_TCN	10.82	0.51
GIWEL_BHUJ	10.78	0.50
CHUKHA HEP	10.08	0.47
MYTRAH_TCN	9.91	0.46
AMPS Hazira	8.89	0.42
BALCO	8.59	0.40
ORANGE_TCN	8.11	0.38
EDEN_SLR	7.80	0.37
KAPP 3&4	7.76	0.36
CLEAN_SLR	7.64	0.36
DADRA & NAGAR HAVELI	7.45	0.35
BETAM_TCN	7.44	0.35
TEESTA STG3	7.32	0.34
ARUNACHAL PRADESH	7.16	0.34
DB POWER	7.15	0.33
NTPC STATIONS-NER	7.13	0.33
MANGDECHU HEP	7.02	0.33
RPREL	6.99	0.33
ARERJL_SLR	6.98	0.33
SEMBCORP	6.94	0.32

RKM POWER	6.68	0.31
NPGC	6.52	0.31
AZURE43_SLR	6.44	0.30
IL&FS	6.36	0.30
RENEW_BHUI	6.14	0.29
MRPL	6.09	0.29
TATA_PVGD	6.05	0.28
RAP C	5.89	0.28
IGSTPS	5.83	0.27
ARINSUM_RUMS	5.71	0.27
RENEW_BHACHAU	5.71	0.27
NEP	5.44	0.25
RENEWSW_SLR	5.38	0.25
OSTRO	5.36	0.25
COASTGEN	5.36	0.25
TATA_SLR	5.35	0.25
JORETHANG	5.23	0.24
INOX_BHUI	5.17	0.24
SB6_POKARAN	5.14	0.24
ALFANAR_BHUI	5.05	0.24
GOA	5.04	0.24
NAPP	5.03	0.24
ACME_SLR	4.95	0.23
MAHINDRA_RUMS	4.89	0.23
KARCHAM WANGTOO	4.89	0.23
RENEW_SLR_BKN	4.65	0.22
SB_SLR	4.57	0.21
JINDAL STAGE-II	4.54	0.21
ACME_RUMS	4.52	0.21
SBG_NPK	4.49	0.21
SPRING_PUGALUR	4.30	0.20
CHANDIGARH	4.28	0.20
EMCO	4.21	0.20
TRIPURA	4.15	0.19
TASHIDENG HEP	4.13	0.19
TEHRI	3.96	0.19
NTPC_ANTP	3.87	0.18
BANGLADESH	3.84	0.18
BBMB	3.79	0.18
GMR KAMALANGA	3.74	0.17
JHABUA POWER_MP	3.72	0.17
NJPC	3.68	0.17
MAITHON POWER LTD	3.67	0.17
JITPL	3.64	0.17
RENEWJH_SLR	3.58	0.17
SHREE CEMENT	3.47	0.16
SBG_PVGD	3.45	0.16
NEEPCO STATIONS	3.39	0.16
ESPL_RADHANESDA	3.38	0.16
AYANA_NPKUNTA	3.35	0.16
NSPCL	3.24	0.15
SPRNG_NPKUNTA	3.24	0.15
ACBIL	3.01	0.14
MTPS II	2.95	0.14
MEGHALAYA	2.85	0.13
AZURE_SLR	2.83	0.13
NTPL	2.81	0.13
PONDICHERRY	2.78	0.13
AZURE34_SLR	2.78	0.13
PARAM_PVGD	2.75	0.13
RAP B	2.61	0.12
JINDAL POWER	2.57	0.12
MANIPUR	2.55	0.12

ADHUNIK POWER LTD	2.22	0.10
TPREL_RADHANESDA	2.20	0.10
GIPCL_RADHANESDA	2.16	0.10
DHARIWAL POWER	2.07	0.10
AVAADA1_PVGD	2.01	0.09
FORTUM2_PVGD	1.95	0.09
BRBCL,NABINAGAR	1.82	0.09
SKS POWER	1.69	0.08
AVAADA2_PVGD	1.68	0.08
MIZORAM	1.58	0.07
TATA_ANTP	1.56	0.07
FORTUM1_PVGD	1.46	0.07
KURICHU HEP	1.45	0.07
JAYPEE NIGRIE	1.38	0.06
RENEW_PVGD	1.37	0.06
ASEJTL_SLR	1.32	0.06
SASAN UMPP	1.26	0.06
TRN ENERGY	1.22	0.06
RONGNICHU HEP	1.20	0.06
ADANIHB_SLR	1.20	0.06
LANKO_AMK	1.18	0.06
RENEW_SLR	1.18	0.06
KOTESHWAR	1.17	0.05
DIKCHU HEP	1.12	0.05
DGEN MEGA POWER	1.11	0.05
AZURE_PVGD	1.04	0.05
SIKKIM	1.01	0.05
FRV_ANTP	0.95	0.04
NAGALAND	0.93	0.04
FRV_NPK	0.91	0.04
ESSAR POWER	0.90	0.04
ADY2_PVGD	0.90	0.04
SBSR_SLR	0.84	0.04
AD HYDRO	0.83	0.04
AHSP_ANTP	0.78	0.04
ABSP_ANTP	0.77	0.04
YARROW_PVGD	0.77	0.04
MEENAKSHI	0.75	0.04
AKS_PVGD	0.75	0.04
ADY6_PVGD	0.73	0.03
AKSP_ANTP	0.71	0.03
ADY3_PVGD	0.70	0.03
AZURE_ANTP	0.64	0.03
ARS_PVGD	0.59	0.03
OSTRO Hiriyur	0.56	0.03
KSK MAHANADI	0.55	0.03
RANGANADI HEP	0.52	0.02
SIMHAPURI	0.51	0.02
ADY13_PVGD	0.49	0.02
LANKO KONDAPALLI	0.48	0.02
RAMPUR HEP	0.47	0.02
ADY10_PVGD	0.46	0.02
ADY1_PVGD	0.46	0.02
ONGC PALATANA	0.42	0.02
SAINJ HEP	0.40	0.02
HVDC CHAMPA	0.37	0.02
RANGIT HEP	0.31	0.01
KREDL_PVGD	0.25	0.01
DCPP	0.25	0.01
CHUZACHEN HEP	0.23	0.01
LOKTAK	0.20	0.01
LANCO BUDHIL	0.19	0.01
NFF	0.18	0.01

DOYANG HEP	0.14	0.01
PARE HEP	0.12	0.01
BHADRAVATHI HVDC	0.06	0.003
HVDC ALPD	0.05	0.002
SINGOLI BHATWARI HEP	0.05	0.002
HVDC RAIGARH	0.02	0.001
BARC	0.01	0.001
HVDC PUS	0.01	0.001
TEESTA HEP	0.01	0.0005
VINDHYACHAL HVDC	0.00002	0.000001
<b>TOTAL</b>	<b>2136.80</b>	<b>100.00</b>
<b>Volume Imported by top 5 Regional Entities</b>	<b>565.57</b>	<b>26.47</b>

**Table-20: TOTAL VOLUME OF NET SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY-WISE), SEPTEMBER 2021**

S. No.	Name of the Entity	Total volume of net short-term transactions of electricity*
1	GUJARAT	2501.91
2	PUNJAB	2178.56
3	HARYANA	1488.23
4	MAHARASHTRA	959.09
5	ANDHRA PRADESH	850.24
6	TAMIL NADU	671.29
7	DELHI	427.58
8	RAJASTHAN	379.13
9	BIHAR	293.03
10	AMPS Hazira	140.64
11	DADRA & NAGAR HAVELI	133.42
12	TALA HEP	125.29
13	JHARKHAND	122.72
14	ASSAM	118.00
15	CHHATTISGARH	84.91
16	NTPC STATIONS-WR	63.31
17	BALCO	45.24
18	DAMAN AND DIU	40.43
19	NTPC STATIONS-NR	37.27
20	RAIL	28.56
21	NEPAL(NVVN)	24.56
22	NETCL VALLUR	20.50
23	NTPC STATIONS-ER	16.01
24	THERMAL POWERTECH	14.38
25	CGPL	11.23
26	RGPPL	8.91
27	KAPP 3&4	7.76
28	RAP C	5.89
29	MYTRAH_TCN	5.18
30	NEP	5.00
31	COASTGEN	4.63
32	IGSTPS	3.98
33	EMCO	3.85
34	CLEAN_SLR	3.82
35	BANGLADESH	3.54
36	GIWEL_TCN	3.08
37	NSPCL	2.36
38	MTPS II	2.21
39	NPGC	1.97
40	RAP B	1.45
41	AGEMPL BHUJ	1.33
42	TRN ENERGY	1.16
43	DGEN MEGA POWER	1.11
44	MEENAKSHI	0.75
45	NTPC_ANTP	0.73
46	RONGNICHU HEP	0.73
47	ARINSUM_RUMS	0.65
48	SIMHAPURI	0.51
49	RENEW_PVGD	0.51
50	NAPP	0.50
51	LANKO KONDAPALLI	0.48
52	ADY2_PVGD	0.41
53	HVDC CHAMPA	0.36
54	RENEW_SLR_BKN	0.32
55	FRV_ANTP	0.19
56	OSTRO Hiriyur	0.17
57	RENEW_SLR	0.15
58	PARAM_PVGD	0.08
59	DHARIWAL POWER	0.07
60	SB_SLR	0.07
61	GIPCL_RADHANESDA	0.07
62	BHADRAVATHI HVDC	0.04
63	AZURE34_SLR	0.03
64	HVDC PUS	-0.02
65	FRV_NPK	-0.02
66	RGPPL_Others	-0.04

67	NFF	-0.06
68	DCPP	-0.06
69	HVDC ALPD	-0.11
70	RANGIT HEP	-0.16
71	LOKTAK	-0.16
72	VINDHYACHAL HVDC	-0.17
73	YARROW_PVGD	-0.19
74	TPREL_RADHANESDA	-0.20
75	AHSP_ANTP	-0.24
76	HVDC RAIGARH	-0.25
77	ABSP_ANTP	-0.27
78	AKS_PVGD	-0.27
79	ARS_PVGD	-0.28
80	PARE HEP	-0.30
81	AKSP_ANTP	-0.36
82	ADY6_PVGD	-0.36
83	RGPPL_IR	-0.36
84	TATA_ANTP	-0.39
85	DOYANG HEP	-0.41
86	ADY10_PVGD	-0.42
87	SBG_NPK	-0.44
88	ADY13_PVGD	-0.44
89	AZURE_ANTP	-0.44
90	FORTUM1_PVGD	-0.49
91	ADY3_PVGD	-0.51
92	ADY1_PVGD	-0.56
93	SBG_PVGD	-0.61
94	CONTINNUM PT	-0.64
95	INOX_BHUJ	-0.77
96	AZURE_PVGD	-0.82
97	ORANGE_TCN	-0.92
98	TATA_PVGD	-0.94
99	BETAM_TCN	-0.96
100	ESPL_RADHANESDA	-1.03
101	ACME_RUMS	-1.09
102	MAHINDRA_RUMS	-1.14
103	KOTESHWAR	-1.23
104	AVAADA1_PVGD	-1.44
105	RANGANADI HEP	-1.59
106	AVAADA2_PVGD	-1.63
107	TEHRI	-1.82
108	AZURE_SLR	-1.83
109	AYANA_NPKUNTA	-1.85
110	KREDL_PVGD	-1.90
111	SPRNG_NPKUNTA	-2.19
112	FORTUM2_PVGD	-2.20
113	BRBCL,NABINAGAR	-2.22
114	NTPL	-2.49
115	MAITHON POWER LTD	-2.92
116	BARC	-3.00
117	ADANIHB_WIND	-3.35
118	GOA	-3.76
119	SBSR_SLR	-3.88
120	RENEW_BHACHAU	-3.99
121	SB6_POKARAN	-4.63
122	LANCO BUDHIL	-5.05
123	TEESTA HEP	-5.07
124	OSTRO	-5.17
125	KURICHU HEP	-5.30
126	PONDICHERRY	-5.69
127	MANGDECHU HEP	-5.91
128	ALFANAR_BHUJ	-6.00
129	RENEW_BHUJ	-6.08
130	ACME_SLR	-7.29
131	ADANI_WIND	-7.52
132	NJPC	-7.60
133	RAMPUR HEP	-8.01
134	LANKO_AMK	-8.66
135	SPRING_PUGALUR	-9.57
136	GIWEL_BHUJ	-9.72

137	CHUZACHEN HEP	-11.13
138	MIZORAM	-12.73
139	NAGALAND	-13.51
140	BBMB	-14.55
141	AZURE43_SLR	-16.68
142	ASEJTL_SLR	-19.07
143	TATA_SLR	-19.41
144	RENEWJH_SLR	-22.38
145	NTPC STATIONS-NER	-27.01
146	TRIPURA	-28.35
147	SHREE CEMENT	-30.19
148	RENEWSW_SLR	-30.81
149	ARUNACHAL PRADESH	-32.74
150	WEST BENGAL	-33.30
151	CHANDIGARH	-34.81
152	ARERJL_SLR	-35.63
153	JHABUA POWER_MP	-36.63
154	EDEN_SLR	-40.68
155	MANIPUR	-42.70
156	MRPL	-44.91
157	MARUTI COAL	-45.76
158	MEGHALAYA	-48.14
159	CHUKHA HEP	-49.25
160	GMR KAMALANGA	-55.12
161	JINDAL STAGE-II	-55.68
162	ONGC PALATANA	-56.49
163	ACBIL	-59.65
164	SIKKIM	-61.55
165	SASAN UMPP	-62.63
166	IL&FS	-62.80
167	SAINJ HEP	-63.08
168	KSK MAHANADI	-63.65
169	DIKCHU HEP	-66.75
170	JORETHANG	-67.02
171	SINGOLI BHATWARI HEP	-67.29
172	TASHIDENG HEP	-69.32
173	KARCHAM WANGTOO	-72.07
174	ADANIHB_SLR	-73.33
175	DAGACHU	-73.78
176	AD HYDRO	-82.84
177	ADHUNIK POWER LTD	-90.28
178	NHPC STATIONS	-108.70
179	NLC	-108.93
180	KERALA	-115.36
181	UTTARAKHAND	-143.60
182	SKS POWER	-146.01
183	MB POWER	-150.09
184	ODISHA	-156.30
185	NEEPCO STATIONS	-168.53
186	REGL	-175.68
187	NTPC STATIONS-SR	-209.32
188	DB POWER	-219.71
189	ESSAR POWER	-231.95
190	DVC	-234.25
191	RKM POWER	-284.90
192	UTTAR PRADESH	-285.75
193	MP	-301.40
194	JINDAL POWER	-336.24
195	JAYPEE NIGRIE	-368.96
196	J & K	-383.92
197	JITPL	-463.33
198	RPREL	-478.37
199	SEBPCORP	-564.25
200	TELANGANA	-629.23
201	TEESTA STG3	-695.10
202	HIMACHAL PRADESH	-888.13
203	KARNATAKA	-1002.81
* 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-21: DETAILS OF CONGESTION IN POWER EXCHANGES, SEPTEMBER 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 (MU)	6418.26	1.27	1844.71	0.00
B	Actual Cleared Volume and hence scheduled (MU)	6418.26	1.27	1842.59	0.00
C	Volume of electricity that could not be cleared and hence not scheduled because of congestion (MU)	0.00	0.00	2.12	0.00
D	Volume of electricity that could not be cleared and hence not scheduled because of reasons other than congestion (MU) *	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%	0.11%	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%	3.54%	0.00%
G	Congestion occurrence (%) time block wise				
	0.00 - 6.00 hours	0.00%	0.00%	28.43%	0.00%
	6.00 - 12.00 hours	0.00%	0.00%	33.33%	0.00%
	12.00 - 18.00 hours	0.00%	0.00%	34.31%	0.00%
	18.00 - 24.00 hours	0.00%	0.00%	3.92%	0.00%
* This power would have been scheduled had there been no congestion.					
Source: IEX, PXIL & NLDC					



**Table-22: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY IN INDIA (DAY-WISE) (MU), SEPTEMBER 2021**

Date	Bilateral		Day Ahead Market <sup>#</sup>		Real Time Market <sup>#</sup>		Deviation Settlement (Over Drawl + Under Generation)	Total Electricity Generation (MU)*
	Through Traders and PXs**	Direct	IEX	PXIL	IEX	PXIL		
1-Sep-21	117.37	71.17	294.18	0.00	58.04	0.00	71.08	3808.47
2-Sep-21	110.53	69.64	248.05	0.00	60.16	0.00	74.54	3860.18
3-Sep-21	123.41	63.34	220.43	0.00	58.46	0.00	75.43	3838.94
4-Sep-21	123.95	66.35	227.71	0.00	41.13	0.00	73.32	3676.17
5-Sep-21	130.59	67.89	189.71	0.00	47.34	0.00	73.17	3565.24
6-Sep-21	136.21	56.21	213.48	0.00	75.89	0.00	71.47	3746.66
7-Sep-21	133.74	66.56	219.78	0.00	88.03	0.00	71.97	3643.07
8-Sep-21	147.80	66.14	204.68	0.00	75.35	0.00	68.48	3584.33
9-Sep-21	159.21	57.79	200.31	0.00	72.33	0.00	71.50	3687.41
10-Sep-21	145.22	56.70	234.05	0.00	40.58	0.00	74.24	3583.08
11-Sep-21	144.28	57.62	209.51	0.00	49.83	0.00	79.88	3424.68
12-Sep-21	143.80	56.25	154.11	0.00	63.05	0.00	75.50	3242.65
13-Sep-21	140.65	58.16	157.30	0.00	59.95	0.00	73.22	3365.89
14-Sep-21	135.01	58.49	181.35	0.00	62.49	0.00	77.13	3371.83
15-Sep-21	135.25	54.41	183.80	0.00	73.95	0.00	71.46	3525.65
16-Sep-21	108.98	53.35	211.98	0.00	78.35	0.00	73.29	3531.28
17-Sep-21	134.19	59.73	203.11	0.00	59.85	0.00	66.99	3594.58
18-Sep-21	142.59	64.08	217.82	0.00	57.06	0.00	64.66	3736.41
19-Sep-21	141.35	67.31	213.09	0.00	64.76	0.00	67.75	3784.85
20-Sep-21	138.60	74.93	226.91	0.00	62.61	0.00	71.93	3883.91
21-Sep-21	133.97	68.38	222.95	0.18	74.45	0.00	78.88	3744.77
22-Sep-21	133.19	63.78	209.17	0.24	57.50	0.00	72.45	3598.81
23-Sep-21	138.75	63.95	230.12	0.34	54.37	0.00	77.99	3588.41
24-Sep-21	125.73	64.97	230.88	0.00	77.65	0.00	73.88	3661.63
25-Sep-21	112.54	64.06	236.57	0.00	62.22	0.00	67.53	3620.78
26-Sep-21	106.82	65.84	211.49	0.12	49.01	0.00	66.45	3517.18
27-Sep-21	102.75	68.55	214.60	0.00	55.56	0.00	68.46	3518.31
28-Sep-21	106.24	65.52	213.82	0.00	60.46	0.00	68.62	3478.07
29-Sep-21	121.08	62.76	218.74	0.38	50.91	0.00	71.92	3524.24
30-Sep-21	111.46	64.46	218.56	0.03	51.24	0.00	74.22	3664.45
<b>Total</b>	<b>3885.24</b>	<b>1898.38</b>	<b>6418.26</b>	<b>1.27</b>	<b>1842.59</b>	<b>0.00</b>	<b>2167.41</b>	<b>108371.93</b>

Source: NLDC

\* As per data available on CEA Website. 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-23: PRICE OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (DAY-WISE)(₹/kWh), SEPTEMBER 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-Sep-21	2.90	16.00	5.19	-	-	-	0.00	7.09	4.07
2-Sep-21	2.75	6.00	3.43	-	-	-	0.00	8.00	3.77
3-Sep-21	3.20	10.52	5.20	-	-	-	0.00	6.61	3.45
4-Sep-21	3.10	13.00	4.94	-	-	-	0.00	5.83	3.54
5-Sep-21	1.50	7.00	3.39	-	-	-	0.00	7.40	2.81
6-Sep-21	2.46	7.00	3.72	-	-	-	0.00	6.63	3.48
7-Sep-21	2.84	7.00	3.47	-	-	-	0.00	7.43	3.06
8-Sep-21	2.84	7.00	3.68	-	-	-	0.00	7.73	3.78
9-Sep-21	2.40	9.00	3.92	-	-	-	0.00	8.00	3.78
10-Sep-21	2.84	8.00	4.12	-	-	-	0.00	6.78	3.04
11-Sep-21	2.81	6.00	3.67	-	-	-	0.00	8.00	2.94
12-Sep-21	1.50	3.39	2.40	-	-	-	0.00	6.24	2.37
13-Sep-21	1.50	4.20	2.74	-	-	-	0.00	8.00	2.69
14-Sep-21	2.16	5.74	3.14	-	-	-	0.00	8.00	3.28
15-Sep-21	2.26	6.60	3.22	-	-	-	0.00	8.00	3.73
16-Sep-21	2.31	8.21	3.39	-	-	-	0.00	7.42	3.38
17-Sep-21	2.24	9.49	3.79	-	-	-	0.00	8.00	3.58
18-Sep-21	3.00	12.09	4.80	-	-	-	0.00	8.00	4.10
19-Sep-21	2.24	5.74	3.50	-	-	-	0.00	8.00	3.10
20-Sep-21	3.50	14.19	6.83	-	-	-	0.00	8.00	4.95
21-Sep-21	3.31	15.52	5.85	8.00	8.80	8.09	0.00	6.46	2.35
22-Sep-21	3.30	18.00	5.52	5.99	13.90	7.64	0.00	8.00	3.98
23-Sep-21	3.00	19.91	4.73	3.60	15.90	6.86	0.00	6.97	3.08
24-Sep-21	3.44	19.98	6.39	-	-	-	0.00	8.00	5.87
25-Sep-21	3.00	20.00	5.79	-	-	-	0.00	6.54	3.52
26-Sep-21	2.94	16.00	4.90	5.00	5.00	5.00	0.00	6.61	3.61
27-Sep-21	3.10	12.00	5.14	-	-	-	0.00	6.32	2.45
28-Sep-21	2.85	12.00	4.75	-	-	-	0.00	6.11	3.72
29-Sep-21	2.85	16.22	5.79	3.33	15.00	5.55	0.00	7.71	4.31
30-Sep-21	2.85	20.00	5.56	6.00	6.00	6.00	0.00	8.00	4.70
	<b>1.50#</b>	<b>20.00#</b>	<b>4.51</b>	<b>3.33#</b>	<b>15.90#</b>	<b>6.59</b>	<b>0.00#</b>	<b>8.00#</b>	<b>3.55</b>
<i>Source: Data on price of PX transactions from IEX and PXIL and data on DSM price from NLDC.</i>									
* 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-24: PRICE OF REAL TIME MARKET TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh), SEPTEMBER 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-Sep-21	1.50	5.70	3.63	--	--	--
2-Sep-21	2.50	15.77	5.40	--	--	--
3-Sep-21	2.98	13.00	4.91	--	--	--
4-Sep-21	2.03	4.43	3.03	--	--	--
5-Sep-21	1.99	3.91	2.87	--	--	--
6-Sep-21	2.00	6.05	3.57	--	--	--
7-Sep-21	1.50	7.00	3.71	--	--	--
8-Sep-21	1.49	7.44	3.72	--	--	--
9-Sep-21	2.00	8.00	3.96	--	--	--
10-Sep-21	1.50	4.80	2.65	--	--	--
11-Sep-21	0.50	3.85	2.17	--	--	--
12-Sep-21	0.50	3.03	1.61	--	--	--
13-Sep-21	1.00	3.90	2.35	--	--	--
14-Sep-21	0.50	6.00	2.79	--	--	--
15-Sep-21	1.88	7.30	3.38	--	--	--
16-Sep-21	1.74	8.00	3.37	--	--	--
17-Sep-21	1.50	11.67	3.63	--	--	--
18-Sep-21	1.99	18.50	5.58	--	--	--
19-Sep-21	2.64	11.68	4.16	--	--	--
20-Sep-21	2.56	16.52	7.34	--	--	--
21-Sep-21	1.49	11.73	3.40	--	--	--
22-Sep-21	1.85	12.00	3.65	--	--	--
23-Sep-21	2.24	10.80	3.91	--	--	--
24-Sep-21	2.50	20.00	6.73	--	--	--
25-Sep-21	3.00	20.00	5.55	--	--	--
26-Sep-21	1.50	7.00	3.46	--	--	--
27-Sep-21	2.64	6.46	3.45	--	--	--
28-Sep-21	2.10	6.99	3.47	--	--	--
29-Sep-21	1.74	16.00	4.51	--	--	--
30-Sep-21	3.05	20.00	6.57	--	--	--
	<b>0.50<sup>#</sup></b>	<b>20.00<sup>#</sup></b>	<b>3.98</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-25: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY\*-WISE) (MU), SEPTEMBER 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 Drawl)	Export (Under Drawl)	Net**	
PUNJAB	0.00	1255.50	1255.50	3.05	997.98	994.94	20.44	92.32	-71.88	2178.56
HARYANA	1.46	1180.99	1179.52	20.43	344.22	323.79	42.99	58.07	-15.08	1488.23
RAJASTHAN	32.86	97.74	64.88	162.24	445.45	283.21	100.01	68.97	31.03	379.13
DELHI	0.00	582.80	582.80	250.70	116.79	-133.91	13.77	35.08	-21.31	427.58
UTTAR PRADESH	0.00	360.05	360.05	916.74	319.39	-597.35	55.63	104.07	-48.44	-285.75
UTTARAKHAND	246.19	10.07	-236.12	0.70	86.99	86.28	23.18	16.95	6.23	-143.60
H P	461.20	0.00	-461.20	482.39	23.05	-459.34	36.87	4.46	32.41	-888.13
J & K	190.35	0.00	-190.35	228.94	26.08	-202.86	37.26	27.96	9.29	-383.92
CHANDIGARH	0.00	0.00	0.00	32.27	1.54	-30.73	4.28	8.35	-4.08	-34.81
MP	600.53	227.35	-373.18	156.94	214.09	57.15	65.92	51.29	14.63	-301.40
MAHARASHTRA	5.93	313.53	307.60	28.20	732.54	704.34	50.21	103.06	-52.85	959.09
GUJARAT	50.10	97.15	47.05	27.31	2490.82	2463.51	65.16	73.81	-8.65	2501.91
CHHATTISGARH	2.90	99.75	96.86	90.62	65.12	-25.50	35.40	21.85	13.55	84.91
GOA	21.60	42.86	21.26	25.22	1.96	-23.25	5.04	6.80	-1.76	-3.76
DAMAN AND DIU	0.00	0.59	0.59	0.00	28.61	28.61	12.07	0.84	11.22	40.43
DADRA & NAGAR HAVELI	0.00	75.69	75.69	0.10	54.90	54.80	7.45	4.52	2.93	133.42
ANDHRA PRADESH	7.68	19.44	11.76	19.60	852.13	832.53	52.38	46.43	5.95	850.24
KARNATAKA	493.39	26.85	-466.54	575.96	35.06	-540.90	55.28	50.64	4.64	-1002.81
KERALA	21.59	0.00	-21.59	110.10	22.01	-88.09	21.40	27.09	-5.69	-115.36
TAMIL NADU	24.04	217.47	193.43	21.78	501.46	479.68	66.54	68.36	-1.81	671.29
PONDICHERRY	0.00	0.00	0.00	0.00	0.00	0.00	2.78	8.47	-5.69	-5.69
TELANGANA	60.60	139.47	78.87	870.13	214.15	-655.98	30.59	82.70	-52.12	-629.23
WEST BENGAL	3.76	197.84	194.07	284.63	84.93	-199.70	25.05	52.72	-27.68	-33.30
ODISHA	37.90	433.04	395.14	599.14	50.07	-549.06	28.10	30.47	-2.38	-156.30
BIHAR	0.00	124.44	124.44	95.26	283.21	187.94	31.40	50.75	-19.35	293.03
JHARKHAND	0.00	126.45	126.45	23.50	10.35	-13.15	23.38	13.95	9.42	122.72
SIKKIM	60.92	27.05	-33.86	13.68	0.28	-13.39	1.01	15.31	-14.30	-61.55
DVC	221.52	4.91	-216.61	14.37	3.46	-10.90	22.71	29.44	-6.73	-234.25
ARUNACHAL PRADESH	6.71	0.00	-6.71	30.23	0.04	-30.20	7.16	3.00	4.16	-32.74
ASSAM	0.00	0.20	0.20	60.36	170.22	109.86	18.38	10.44	7.94	118.00
MANIPUR	37.70	0.00	-37.70	11.06	6.15	-4.91	2.55	2.64	-0.09	-42.70
MEGHALAYA	23.50	0.00	-23.50	22.25	0.05	-22.20	2.85	5.28	-2.44	-48.14
MIZORAM	0.00	0.00	0.00	11.61	0.00	-11.61	1.58	2.69	-1.12	-12.73
NAGALAND	8.39	0.00	-8.39	0.91	0.00	-0.91	0.93	5.14	-4.21	-13.51
TRIPURA	0.00	0.00	0.00	23.46	1.83	-21.63	4.15	10.87	-6.72	-28.35
NTPC STNS-NR	0.00	0.00	0.00	3.10	0.00	-3.10	96.92	56.56	40.37	37.27
NHPC STNS	0.00	0.00	0.00	0.00	0.00	0.00	11.85	120.55	-108.70	-108.70
NFF	0.00	0.00	0.00	0.00	0.00	0.00	0.18	0.24	-0.06	-0.06
RAIL	0.00	0.00	0.00	0.00	0.00	0.00	28.56	0.00	28.56	28.56
NEP	0.00	0.00	0.00	0.00	0.00	0.00	5.44	0.43	5.00	5.00
NAPP	0.00	0.00	0.00	0.00	0.00	0.00	5.03	4.53	0.50	0.50
RAP B	0.00	0.00	0.00	0.00	0.00	0.00	2.61	1.15	1.45	1.45
NJPC	0.00	0.00	0.00	0.00	0.00	0.00	3.68	11.28	-7.60	-7.60
TEHRI	0.00	0.00	0.00	0.00	0.00	0.00	3.96	5.77	-1.82	-1.82
BBMB	0.00	0.00	0.00	0.00	0.00	0.00	3.79	18.35	-14.55	-14.55
RAP C	0.00	0.00	0.00	0.00	0.00	0.00	5.89	0.00	5.89	5.89
AD HYDRO	20.88	0.00	-20.88	57.56	0.00	-57.56	0.83	5.23	-4.40	-82.84
IGSTPS	0.00	0.00	0.00	0.00	0.00	0.00	5.83	1.85	3.98	3.98
KOTESHWAR	0.00	0.00	0.00	0.00	0.00	0.00	1.17	2.40	-1.23	-1.23
KARCHAM WANGTANG	33.30	0.00	-33.30	32.99	0.18	-32.81	4.89	10.84	-5.96	-72.07
SHREE CEMENT	0.42	0.00	-0.42	32.04	0.00	-32.04	3.47	1.20	2.27	-30.19
LANCO BUDHIL	0.00	0.00	0.00	4.55	0.00	-4.55	0.19	0.68	-0.49	-5.05
RAMPUR HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.47	8.47	-8.01	-8.01
SAINJ HEP	12.20	0.00	-12.20	47.44	0.00	-47.44	0.40	3.83	-3.44	-63.08
RENEW_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.18	1.03	0.15	0.15

AZURE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	2.83	4.66	-1.83	-1.83
SB_SLR	0.00	0.00	0.00	0.00	0.00	0.00	4.57	4.50	0.07	0.07
ACME_SLR	7.71	0.00	-7.71	0.00	0.00	0.00	4.95	4.53	0.42	-7.29
AZURE34_SLR	0.00	0.00	0.00	0.00	0.00	0.00	2.78	2.74	0.03	0.03
TATA_SLR	20.31	0.00	-20.31	0.00	0.00	0.00	5.35	4.45	0.90	-19.41
RENEW_SLR_BKN	0.00	0.00	0.00	0.00	0.00	0.00	4.65	4.33	0.32	0.32
CLEAN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	7.64	3.81	3.82	3.82
ARERJL_SLR	39.96	0.00	-39.96	0.00	0.00	0.00	6.98	2.64	4.33	-35.63
ASEJTL_SLR	18.94	0.00	-18.94	0.00	0.00	0.00	1.32	1.45	-0.13	-19.07
SINGOLI BHATWA	0.00	0.00	0.00	66.92	0.00	-66.92	0.05	0.42	-0.37	-67.29
AZURE43_SLR	15.78	0.00	-15.78	0.00	0.00	0.00	6.44	7.34	-0.90	-16.68
MRPL	44.79	0.00	-44.79	0.00	0.00	0.00	6.09	6.21	-0.12	-44.91
SB6_POKARAN	0.00	0.00	0.00	0.00	0.00	0.00	5.14	9.77	-4.63	-4.63
EDEN_SLR	44.35	0.00	-44.35	0.00	0.00	0.00	7.80	4.12	3.68	-40.68
SBSR_SLR	2.95	0.00	-2.95	0.00	0.00	0.00	0.84	1.78	-0.94	-3.88
RENEWSW_SLR	32.30	0.00	-32.30	0.07	0.00	-0.07	5.38	3.82	1.55	-30.81
ADANIHB_SLR	45.82	0.00	-45.82	0.00	0.00	0.00	1.20	28.70	-27.51	-73.33
RENEWJH_SLR	23.51	0.00	-23.51	0.00	0.00	0.00	3.58	2.46	1.13	-22.38
ADANIHB_WIND	3.35	0.00	-3.35	0.00	0.00	0.00	0.00	0.00	0.00	-3.35
NTPC STNS-WR	0.00	0.00	0.00	27.27	0.00	-27.27	172.92	82.34	90.58	63.31
BHADRAVATHI HV	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.01	0.04	0.04
VINDHYACHAL HV	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.17	-0.17	-0.17
JINDAL POWER	18.70	0.00	-18.70	314.82	0.00	-314.82	2.57	5.29	-2.729	-336.243
LANKO_AMK	6.86	0.00	-6.86	0.00	0.00	0.00	1.18	2.98	-1.80	-8.66
NSPCL	0.00	0.00	0.00	0.00	0.00	0.00	3.24	0.88	2.36	2.36
ACBIL	0.00	0.00	0.00	57.37	0.00	-57.37	3.01	5.29	-2.29	-59.65
BALCO	0.00	14.57	14.57	0.00	23.91	23.91	8.59	1.83	6.75	45.24
RGPPPL	0.00	0.00	0.00	3.51	0.00	-3.51	13.30	0.88	12.42	8.91
CGPL	0.00	0.00	0.00	0.04	0.00	-0.04	11.94	0.67	11.28	11.23
DCPP	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.31	-0.06	-0.06
EMCO	0.00	0.00	0.00	0.00	0.00	0.00	4.21	0.35	3.85	3.85
KSK MAHANADI	60.70	0.00	-60.70	0.00	0.00	0.00	0.55	3.51	-2.96	-63.65
ESSAR POWER	160.38	0.00	-160.38	69.94	0.00	-69.94	0.90	2.53	-1.63	-231.95
JINDAL STAGE-II	8.57	0.00	-8.57	47.63	0.00	-47.63	4.54	4.02	0.51	-55.68
DB POWER	194.31	0.00	-194.31	31.75	0.00	-31.75	7.15	0.80	6.35	-219.71
DHARIWAL POWER	0.00	0.00	0.00	1.43	0.00	-1.43	2.07	0.57	1.50	0.07
JAYPEE NIGRIE	344.68	0.00	-344.68	20.56	0.00	-20.56	1.38	5.11	-3.72	-368.96
DGEN MEGA POWER	0.00	0.00	0.00	0.00	0.00	0.00	1.11	0.00	1.11	1.11
MB POWER	105.36	0.00	-105.36	53.34	0.00	-53.34	12.38	3.77	8.61	-150.09
MARUTI COAL	0.00	0.00	0.00	45.94	0.18	-45.76	0.00	0.00	0.00	-45.76
JHABUA POWER_M	32.22	0.00	-32.22	5.52	0.00	-5.52	3.72	2.61	1.11	-36.63
SASAN UMPP	0.00	0.00	0.00	18.63	0.00	-18.63	1.26	45.26	-44.00	-62.63
TRN ENERGY	0.00	0.00	0.00	0.00	0.00	0.00	1.22	0.06	1.16	1.16
RKM POWER	188.15	0.00	-188.15	96.47	0.00	-96.47	6.68	6.96	-0.28	-284.90
SKS POWER	146.57	0.00	-146.57	0.20	0.00	-0.20	1.69	0.93	0.76	-146.01
BARC	0.00	0.00	0.00	0.00	0.00	0.00	0.01	3.02	-3.00	-3.00
KAPP 3&4	0.00	0.00	0.00	0.00	0.00	0.00	7.76	0.00	7.76	7.76
HVDC CHAMPA	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.01	0.36	0.36
MAHINDRA_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.89	6.03	-1.14	-1.14
ARINSUM_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	5.71	5.07	0.65	0.65
OSTRO	0.00	0.00	0.00	0.00	0.00	0.00	5.36	10.53	-5.17	-5.17
ACME_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.52	5.61	-1.09	-1.09
RENEW_BHACHAU	0.00	0.00	0.00	0.00	0.00	0.00	5.71	9.71	-3.99	-3.99
GIWEL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	10.78	20.50	-9.72	-9.72
INOX_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	5.17	5.94	-0.77	-0.77
AGEMPL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	14.11	12.77	1.33	1.33
REGL	145.66	0.00	-145.66	30.02	0.00	-30.02	0.00	0.00	0.00	-175.68
RPREL	409.12	0.00	-409.12	71.28	0.00	-71.28	6.99	4.97	2.02	-478.37
AMPS Hazira	0.00	107.82	107.82	0.00	52.22	52.22	8.89	28.28	-19.40	140.64
HVDC RAIGARH	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.27	-0.25	-0.25
RGPPPL_IR	0.00	0.00	0.00	0.36	0.00	-0.36	0.00	0.00	0.00	-0.36
RGPPPL_Others	0.00	0.00	0.00	0.04	0.00	-0.04	0.00	0.00	0.00	-0.04
ALFANAR_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	5.05	11.05	-6.00	-6.00

RENEW_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	6.14	12.23	-6.08	-6.08
ADANI_WIND	5.08	0.00	-5.08	2.43	0.00	-2.43	0.00	0.00	0.00	-7.52
CONTINNUM PT	0.51	0.00	-0.51	0.13	0.00	-0.13	0.00	0.00	0.00	-0.64
TPREL_RADHANES	0.00	0.00	0.00	0.00	0.00	0.00	2.20	2.40	-0.20	-0.20
ESPL_RADHANES	0.00	0.00	0.00	0.00	0.00	0.00	3.38	4.41	-1.03	-1.03
GIPCL_RADHANES	0.00	0.00	0.00	0.00	0.00	0.00	2.16	2.10	0.07	0.07
NTPC STNS-SR	0.00	0.00	0.00	237.34	0.00	-237.34	49.01	20.98	28.03	-209.32
LANKO KONDAPAI	0.00	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.48	0.48
SIMHAPURI	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.51	0.51
MEENAKSHI	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.75	0.75
COASTGEN	0.00	0.00	0.00	0.00	0.00	0.00	5.36	0.73	4.63	4.63
THERMAL POWER	0.00	0.00	0.00	0.00	0.00	0.00	15.97	1.58	14.38	14.38
IL&FS	65.67	0.00	-65.67	3.29	0.00	-3.29	6.36	0.19	6.16	-62.80
NLC	0.00	0.00	0.00	110.07	0.00	-110.07	23.81	22.68	1.14	-108.93
SEMBCORP	204.10	0.00	-204.10	364.40	0.00	-364.40	6.94	2.68	4.25	-564.25
NETCL VALLUR	0.00	0.00	0.00	0.00	0.00	0.00	22.02	1.52	20.50	20.50
NTPL	0.00	0.00	0.00	3.48	0.00	-3.48	2.81	1.82	0.99	-2.49
AHSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.78	1.02	-0.24	-0.24
AKSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.71	1.07	-0.36	-0.36
ABSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.77	1.04	-0.27	-0.27
AZURE_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.64	1.08	-0.44	-0.44
TATA_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.56	1.96	-0.39	-0.39
FRV_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.76	0.19	0.19
NTPC_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	3.87	3.13	0.73	0.73
GIWEL_TCN	0.00	0.00	0.00	0.00	0.00	0.00	10.82	7.75	3.08	3.08
MYTRAH_TCN	0.00	0.00	0.00	0.00	0.00	0.00	9.91	4.73	5.18	5.18
FRV_NPK	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.94	-0.02	-0.02
ORANGE_TCN	0.00	0.00	0.00	0.00	0.00	0.00	8.11	9.03	-0.92	-0.92
BETAM_TCN	0.00	0.00	0.00	0.00	0.00	0.00	7.44	8.40	-0.96	-0.96
SBG_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	3.45	4.06	-0.61	-0.61
SBG_NPK	0.00	0.00	0.00	0.00	0.00	0.00	4.49	4.92	-0.44	-0.44
FORTUM1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.46	1.94	-0.49	-0.49
PARAM_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.75	2.66	0.08	0.08
YARROW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.96	-0.19	-0.19
TATA_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	6.05	6.99	-0.94	-0.94
RENEW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.86	0.51	0.51
AKS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.75	1.02	-0.27	-0.27
ARS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.87	-0.28	-0.28
AVAADA1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.01	3.45	-1.44	-1.44
ADY1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1.01	-0.56	-0.56
ADY2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.49	0.41	0.41
ADY13_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.49	0.93	-0.44	-0.44
ADY3_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.70	1.21	-0.51	-0.51
ADY6_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.73	1.10	-0.36	-0.36
ADY10_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.88	-0.42	-0.42
AZURE_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.04	1.86	-0.82	-0.82
FORTUM2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.95	4.15	-2.20	-2.20
AVAADA2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.68	3.30	-1.63	-1.63
KREDL_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.25	2.15	-1.90	-1.90
AYANA_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	3.35	5.19	-1.85	-1.85
SPRNG_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	3.24	5.43	-2.19	-2.19
SPRING_PUGALUR	0.00	0.00	0.00	0.00	0.00	0.00	4.30	13.87	-9.57	-9.57
OSTRO Hiriyr	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.39	0.17	0.17
NTPC STNS-ER	0.00	0.00	0.00	15.94	0.00	-15.94	61.89	29.94	31.95	16.01
MAITHON POWER	0.00	0.00	0.00	0.25	0.00	-0.25	3.67	6.33	-2.67	-2.92
NPGC	0.00	0.00	0.00	0.00	0.00	0.00	6.52	4.55	1.97	1.97
ADHUNIK POWER	92.16	0.00	-92.16	0.00	0.00	0.00	2.22	0.34	1.88	-90.28
CHUZACHEN HEP	0.00	0.00	0.00	10.37	0.00	-10.37	0.23	0.99	-0.76	-11.13
RANGIT HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.47	-0.16	-0.16
GMR KAMALANGA	4.13	0.00	-4.13	46.65	0.00	-46.65	3.74	8.09	-4.35	-55.12
JITPL	223.75	0.00	-223.75	241.63	0.00	-241.63	3.64	1.59	2.05	-463.33
TEESTA HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.01	5.08	-5.07	-5.07
DAGACHU	88.34	0.00	-88.34	0.00	0.00	0.00	14.56	0.00	14.56	-73.78

JORETHANG	5.61	0.00	-5.61	66.83	0.30	-66.53	5.23	0.10	5.13	-67.02
NEPAL(NVVN)	0.00	0.00	0.00	0.00	0.00	0.00	25.47	0.91	24.56	24.56
BANGLADESH	0.00	0.00	0.00	0.00	0.00	0.00	3.84	0.31	3.54	3.54
HVDC PUS	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	-0.02	-0.02
TEESTA STG3	191.50	0.00	-191.50	509.73	0.00	-509.73	7.32	1.19	6.13	-695.10
DIKCHU HEP	18.10	0.00	-18.10	49.17	0.00	-49.17	1.12	0.61	0.52	-66.75
HVDC ALPD	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.16	-0.11	-0.11
TASHIDENG HEP	5.88	0.00	-5.88	67.29	0.41	-66.88	4.13	0.69	3.44	-69.32
BRBCL,NABINAGA	0.00	0.00	0.00	0.00	0.00	0.00	1.82	4.04	-2.22	-2.22
MTPS II	0.00	0.00	0.00	0.00	0.00	0.00	2.95	0.74	2.21	2.21
TALA HEP	0.00	0.00	0.00	0.00	0.00	0.00	129.17	3.88	125.29	125.29
CHUKHA HEP	0.00	0.00	0.00	0.00	0.00	0.00	10.08	59.33	-49.25	-49.25
KURICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	1.45	6.75	-5.30	-5.30
MANGDECHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	7.02	12.93	-5.91	-5.91
RONGNICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	1.20	0.47	0.73	0.73
NTPC STNS-NER	0.00	0.00	0.00	30.74	0.00	-30.74	7.13	3.39	3.74	-27.01
NEEPCO STNS	38.09	0.00	-38.09	125.45	0.00	-125.45	3.39	8.37	-4.99	-168.53
RANGANADI HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.52	2.11	-1.59	-1.59
DOYANG HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.55	-0.41	-0.41
ONGC PALATANA	33.18	0.00	-33.18	22.28	0.00	-22.28	0.42	1.45	-1.03	-56.49
LOKTAK	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.37	-0.16	-0.16
PARE HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.42	-0.30	-0.30

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