

Monthly Report on Short-term Transactions of Electricity in India

October 2021



Economics Division
Central Electricity Regulatory Commission
36, Janpath, Chanderlok Building



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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
ADANIHB_SLR	Adani Hybrid Energy Jaisalmer One Limited (Solar)
ADANI_SLR 4	Adani Solar Energy Four Private Limited
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
AHEJOL_S_FTG2	Adani Hybrid Energy Jaisalmer One Limited (SOLAR)
AHEJOL_W_FTG2	Adani Hybrid Energy Jaisalmer One Limited (WIND)
AHEJ2L_S	Adani Hybrid Energy Jaisalmer Two Limited (Solar)
AHEJ3L_S	Adani Hybrid Energy Jaisalmer Three Limited (Solar)
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-DAM	Green Day Ahead Market
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	LancoAmarkantak Power Private Limited
LANKO BUDHIL	LancoBudhil 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 **October 2021** is presented in the following sections.

2. Volume of Short-term Transactions of Electricity

2.1. During October 2021, total electricity generation, excluding generation from renewable and captive power plants in India was 110803.88 MU (Table-1). Of the total electricity generation, 13.22% was transacted through short-term, comprising of 7.75% through Day Ahead Market (DAM) and Real Time Market (RTM) of power exchanges, followed by 3.51% through bilateral (through traders and term-ahead contracts on power exchanges and directly between distribution companies) and 1.96% through DSM (Table-1 & Figure-1).

2.2. Of the total short-term transactions (14650.95 MU), 58.61% was transacted through DAM and RTM of power exchanges, followed by 26.57% through bilateral (16.61% through traders and term-ahead contracts on power exchanges, and 9.96% directly between distribution companies) and 14.82% through DSM (Table-1 & Figure-2). Daily volume of short-term transactions is shown in Table-25 & Figure-4.

2.3. Of the total volume of electricity transacted through power exchanges, 69.70% of the volume was transacted in DAM (including G-DAM), followed by 21.15% in RTM and 9.14% 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 of October 2021. Of which, 27 trading licensees were engaged in short-term trading. The top 5 trading licensees, namely PTC India Ltd., Adani Enterprises Ltd., NTPC Vidyut Vyapar Nigam Ltd., Tata Power Trading Company (P) Ltd. and Manikaran Power Ltd. had a share of 82.21% 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 0.2280 for the month of October 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 6568.31 MU and 0.37 MU respectively. The volume of total buy bids and sell bids was 9629.98 MU and 8676.14 MU respectively in IEX, while the same was 8.48 MU and 171.33 MU respectively in PXIL.

2.7. G-DAM was introduced only on IEX in October 2021. The volume of electricity transacted in the G-DAM of IEX was 19.41 MU. The volume of total buy bids and sell bids was 97.05 MU and 64.95 MU respectively in IEX.

2.8. The volume of electricity transacted in the RTM of IEX was 1999.17 MU, while no electricity was transacted in the RTM of PXIL. The volume of total buy bids and sell bids was 3429.62 MU and 3078.49 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.

2.9. The volume of electricity transacted in the TAM of IEX and PXIL was 224.78 MU and 234.54 MU respectively (Table-8 & Table-9). The volume of electricity transacted in the Green

Term Ahead Market (G-TAM) of IEX and PXIL was 345.27 MU and 59.71MU respectively (Table-10 & Table-11).

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 ₹2.43/kWh, ₹14.70/kWh and ₹5.93/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 ₹6.03/kWh, ₹7.50/kWh and ₹4.89/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 ₹1.00/kWh, ₹20.00/kWh and ₹9.15/kWh respectively. These prices in the DAM of PXIL were ₹3.45/kWh, ₹19.50/kWh and ₹8.05/kWh respectively (Table-5). The minimum, maximum and weighted average prices for the electricity transacted in the G-DAM of IEX were ₹3.40/kWh, ₹18.70/kWh and ₹3.87/kWh respectively. (Table-6). The minimum, maximum and weighted average prices for the electricity transacted in the RTM of IEX were ₹0.50/kWh, ₹20.00/kWh and ₹7.21/kWh respectively (Table-7). The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹7.24/kWh and ₹7.93/kWh respectively (Table-8 and Table-9). The price of electricity transacted in the G-TAM of IEX and PXIL was ₹5.83/kWh and ₹5.76/kWh respectively (Table-10 and Table-11).

3.3. **Price of electricity transacted through DSM:** The minimum, maximum and average price of DSM was ₹0.00/kWh, ₹8.00/kWh and ₹5.12/kWh respectively (Table-12).

3.4. The comparison of prices of electricity transacted through trading licensees, power exchanges & DSM are shown in Figure-6. The daily prices of electricity transacted through power exchanges & DSM and their comparison are shown in Table-26(a) & (b) and Figure-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 Entity¹-Wise)

5.1. Of the total bilateral transactions, top 5 regional entities/states sold 29.79% of the volume. These were Raipur Energen Limited, Karnataka, Jindal India Thermal Power Ltd., Damodar Valley Corporation and Sembcorp Gayatri Power Ltd (Table-13). Top 5 regional entities/states purchased 59.02% of the volume, and these were Maharashtra, Gujarat, Haryana, Odisha and West Bengal (Table-14).

5.2. Of the total DAM transactions of power exchanges, top 5 regional entities/states sold 32.51% of the volume, and these were Telangana, Karnataka, West Bengal, Teesta Stage 3 Hydro Power Project and Odisha (Table-15). Top 5 regional entities/states purchased 73.25% of the volume, and these were Gujarat, Andhra Pradesh, Tamil Nadu, Haryana and Punjab (Table-16).

5.3. Of the total G-DAM transactions of power exchanges, top 5 regional entities/states sold 98.08% of the volume, and these were Telangana, Karnataka, Azure Power Forty Three Private Limited, Adani Hybrid Energy Jaisalmer One Limited (Solar) and Uttarakhand (Table-17). Top 5 regional entities/states purchased 87.20% of the volume, and these were Maharashtra, Odisha, Dadra & Nagar Haveli, Delhi and Bihar (Table-18).

5.4. Of the total RTM transactions of power exchanges, top 5 regional entities/states sold 46.46% of the volume, and these were Telangana, West Bengal, Madhya Pradesh, Odisha and Karnataka (Table-19). Top 5 regional entities/states purchased 52.54% of the volume, and these were Andhra Pradesh, Tamil Nadu, Gujarat, Haryana and Damodar Valley Corporation (Table-20).

5.5. Of the total DSM transactions, top 5 regional entities/states under drew 21.09% of the volume, and these were Chhukha Hydroelectric Project Bhutan, NHPC Stations, NTPC

¹ In case of a State, the entities which are “selling” also include generators connected to State Grid and the entities which are “buying” also include open access consumers.

Stations (Western Region), Maharashtra and Karnataka (Table-21). Top 5 regional entities/states overdrew 29.05% of the volume, and these were Tala Hydroelectric Project Bhutan, NTPC Stations (Western Region), Rajasthan, Gujarat and Pondicherry (Table-22).

5.6. The total volume of net short-term transactions of electricity (Regional entity/State-wise), i.e., volume of net transactions through bilateral, power exchanges and DSM are shown in Table-23 & 27. Top 5 electricity selling regional entities/states were Karnataka, Telangana, Raipur Energen Limited, Sembcorp Gayatri Power Ltd. and West Bengal. Top 5 electricity purchasing regional entities/states were Gujarat, Andhra Pradesh, Haryana, Tamil Nadu and Maharashtra.

6. Congestion² 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”³.

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 October 2021, congestion was experienced in RTM on IEX only (Table-24).

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

³ “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.

6.3. The volume of electricity that could not be cleared, due to congestion, in RTM on IEX, was 0.06% of the unconstrained cleared volume. In terms of time, congestion occurred was 1.41% during the month (Table-24).

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 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 October 2021 as the scheduled trading was postponed by Hon'ble APTEL in matter of the CERC Order dated 17th June 2020, fixing new floor and forbearance price for both Solar and Non-solar RECs.

8. Inferences:

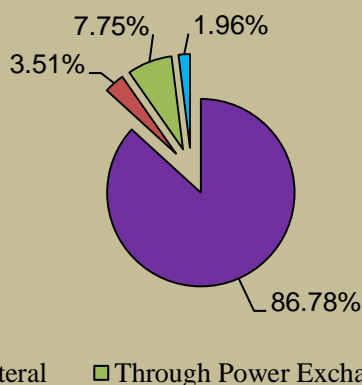
- a) The percentage of short-term transactions of electricity to total electricity generation was 13.22%.
- b) Of the total short-term transactions (14650.95 MU), 58.61% was transacted through DAM and RTM of power exchanges, followed by 26.57% through bilateral (16.61% through traders and term-ahead contracts on power exchanges, and 9.96% directly between distribution companies) and 14.82% through DSM.
- c) Of the total volume of electricity transacted through power exchanges, 69.70% of the volume was transacted in DAM (including G-DAM), followed by 21.15% in RTM and 9.14% in TAM (including G-TAM).

- d) Top 5 trading licensees had a share of 82.21% in the total volume traded by all the trading licensees.
- e) The Herfindahl Hirschman Index computed for the volume of electricity traded by trading licensees was 0.2280, indicating moderate concentration of market power.
- f) The weighted average price of electricity transacted through trading licensees was ₹5.93/kWh.
- g) The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹7.24/kWh and ₹7.93/kWh respectively. The weighted average price of electricity transacted in the G-TAM of IEX and PXIL was ₹5.83/kWh and ₹5.76/kWh respectively.
- h) The weighted average price of electricity transacted in DAM of IEX and PXIL was ₹9.15/kWh and ₹8.05/kWh. The weighted average price of electricity transacted in G-DAM of IEX was ₹3.87/kWh. The weighted average price of electricity transacted in RTM of IEX was ₹7.21/kWh. No electricity was transacted in the RTM of PXIL.
- i) The average price of electricity transacted through DSM was ₹5.12/kWh.
- j) The weighted average trading margin charged by the trading licensees for bilateral transactions was ₹0.021/kWh, which was in line with the Trading Licence Regulations 2020.
- k) Top 5 electricity selling regional entities/states were Karnataka, Telangana, Raipur Energen Limited, Sembcorp Gayatri Power Ltd. and West Bengal. Top 5 electricity purchasing regional entities/states were Gujarat, Andhra Pradesh, Haryana, Tamil Nadu and Maharashtra.
- l) During the month, congestion was experienced in RTM on IEX only. The volume of electricity that could not be cleared due to congestion was 0.06% of the unconstrained cleared volume. In terms of time, congestion occurred was 1.41% in RTM during the month.
- m) 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.

Table-1: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (ALL INDIA), OCTOBER 2021				
Sr.No	Short-term transactions	Volume (MU)	% to Volume of short-term transactions	% to Total Generation
1	Bilateral	3893.01	26.57	3.51
	(i) Through Traders and PXs	2433.85	16.61	2.20
	(ii) Direct	1459.17	9.96	1.32
2	Through Power Exchanges	8587.26	58.61	7.75
	(i) IEX			
	(a) DAM	6568.31	44.83	5.93
	(b) RTM	1999.17	13.65	1.80
	(c) GDAM	19.41	0.13	0.02
	(ii)PXIL			
	(a) DAM	0.37	0.003	0.0003
	(b) RTM	0.00	0.00	0.00
	(c) GDAM	0.00	0.00	0.00
3	Through DSM	2170.68	14.82	1.96
	Total	14650.95	-	13.22
	Total Generation	110803.88	-	-

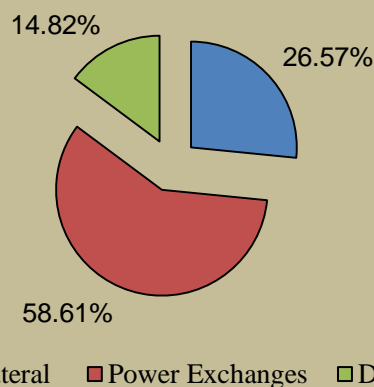
Source: NLDC

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



■ Long-term ■ Bilateral ■ Through Power Exchanges ■ Through DSM

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



■ Bilateral ■ Power Exchanges ■ DSM

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

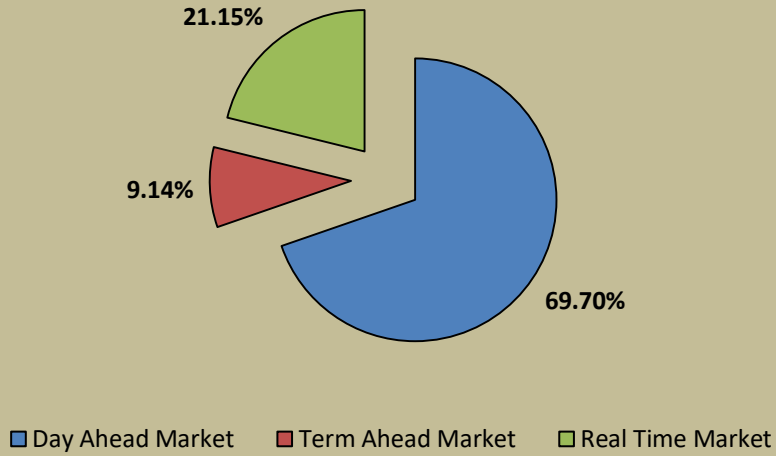


Figure-4: Volume of Short-term Transactions of Electricity, October 2021 (Day-wise)

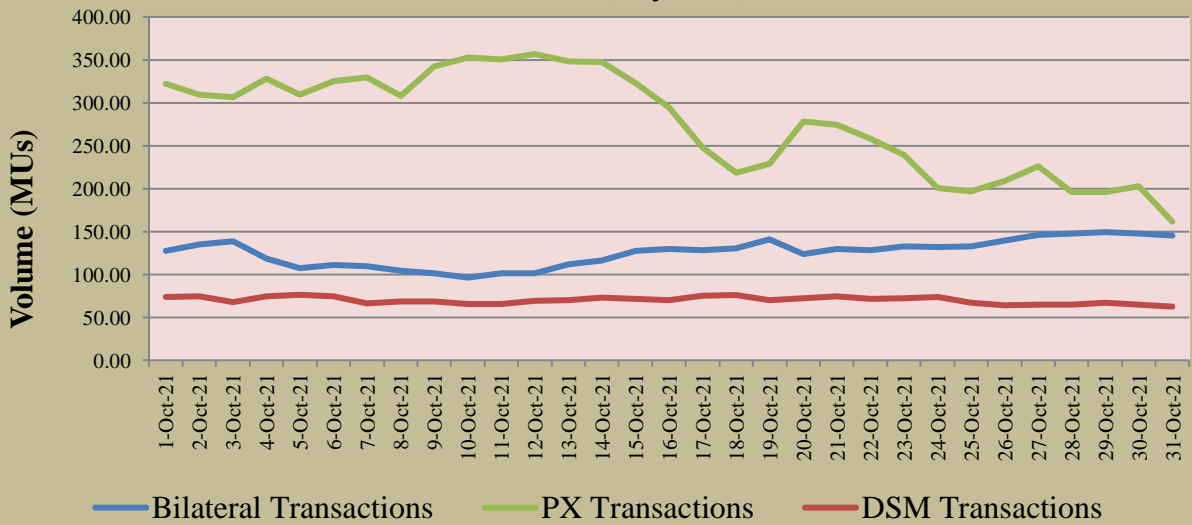


Table-2: PERCENTAGE SHARE OF ELECTRICITY TRANSACTED BY TRADING LICENSEES, OCTOBER 2021			
Sr. No	Name of the Trading Licensee	% Share in total Volume transacted by Trading Licensees	Herfindahl-Hirschman Index
1	PTC India Ltd.	42.77	0.1829
2	Adani Enterprises Ltd.	13.70	0.0188
3	NTPC Vidyut Vyapar Nigam Ltd.	9.56	0.0091
4	Tata Power Trading Company (P) Ltd.	9.38	0.0088
5	Manikaran Power Ltd.	6.80	0.0046
6	JSW Power Trading Company Ltd	3.27	0.0011
7	Arunachal Pradesh Power Corporation (P) Ltd	2.84	0.0008
8	GMR Energy Trading Ltd.	2.52	0.0006
9	Essar Electric Power Development Corp. Ltd.	2.32	0.0005
10	Kreate Energy (I) Pvt. Ltd.	1.79	0.0003
11	Knowledge Infrastructure Systems (P) Ltd	1.02	0.0001
12	National Energy Trading & Services Ltd.	0.97	0.0001
13	RPG Power Trading Company Ltd.	0.86	0.0001
14	Instinct Infra & Power Ltd.	0.55	0.0000
15	Statkraft Markets Pvt. Ltd.	0.54	0.0000
16	Greenko Energies Pvt Ltd	0.43	0.0000
17	Saranyu Power Trading Private Limited	0.19	0.0000
18	Abja Power Private Limited	0.17	0.0000
19	Shree Cement Ltd.	0.17	0.0000
20	NLC India Ltd.	0.07	0.0000
21	Customized Energy Solutions India (P) Ltd.	0.01	0.0000
22	Gita Power & Infrastructure Private Limited	0.01	0.0000
23	Altilium Energie Private Limited	0.01	0.0000
24	Shubheksha Advisors Pvt. Ltd.	0.01	0.0000
25	Phillip Commodities India (P) Ltd.	0.01	0.0000
26	Ambitious Power Trading Company Ltd.	0.01	0.0000
27	Refex Energy Limited	0.00	0.0000
TOTAL		100.00%	0.2280
Top 5 trading licensees		82.21%	

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

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

Source: Information submitted by trading licensees

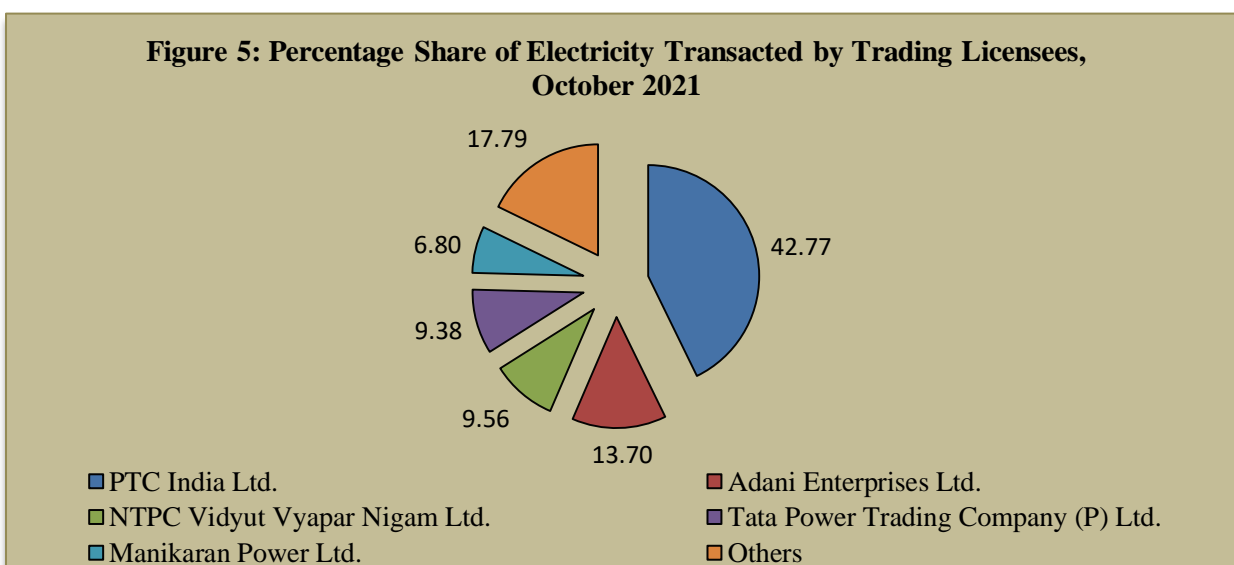


Table-3: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS, OCTOBER 2021		
Sr.No	Item	Sale Price of Traders (₹/kWh)
1	Minimum	2.43
2	Maximum	14.70
3	Weighted Average	5.93

Source: Information submitted by trading licensees

Table-4: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS (TIME-WISE), OCTOBER 2021		
Sr.No	Period of Trade	Sale Price of Traders (₹/kWh)
1	RTC	6.03
2	PEAK	7.50
3	OFF PEAK	4.89

Source: Information submitted by trading licensees

Table-5: PRICE OF ELECTRICITY TRANSACTED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2021			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	1.00	3.45
2	Maximum	20.00	19.50
3	Weighted Average	9.15	8.05

Source: IEX and PXIL

Table-6: PRICE OF ELECTRICITY TRANSACTED IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2021			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	3.40	-
2	Maximum	18.70	-
3	Weighted Average	3.87	-

Source: IEX and PXIL

Table-7: PRICE OF ELECTRICITY TRANSACTED IN REAL TIME MARKET THROUGH POWER EXCHANGES, OCTOBER 2021			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	0.50	-
2	Maximum	20.00	-
3	Weighted Average	7.21	-

Source: IEX and PXIL

Table-8: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF IEX, OCTOBER 2021			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	1.28	5.56
2	Day Ahead Contingency Contracts	153.90	6.88
3	Daily Contracts	69.60	8.08
	Total	224.78	7.24

Source: IEX

Table-9: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF PXIL, OCTOBER 2021			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	4.17	10.78
2	Day Ahead Contingency Contracts	230.38	7.88
	Total	234.54	7.93

Source: PXIL

Table-10: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF IEX, OCTOBER 2021			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	4.68	8.56
2	Day Ahead Contingency Contracts	336.77	5.75
3	Daily Contracts	2.98	11.06
4	Weekly Contracts	0.84	4.70
	Total	345.27	5.83

Source: IEX

Table-11: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF PXIL, OCTOBER 2021			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Day Ahead Contingency Contracts	56.05	5.83
2	Any Day(s) Contracts	3.66	4.71
	Total	59.71	5.76

Source: PXIL

Table-12: PRICE OF ELECTRICITY TRANSACTED THROUGH DSM, OCTOBER 2021		
Sr.No	Item	Price in All India Grid (₹/kWh)
1	Minimum	0.00
2	Maximum	8.00
3	Average	5.12

Source: NLDC

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

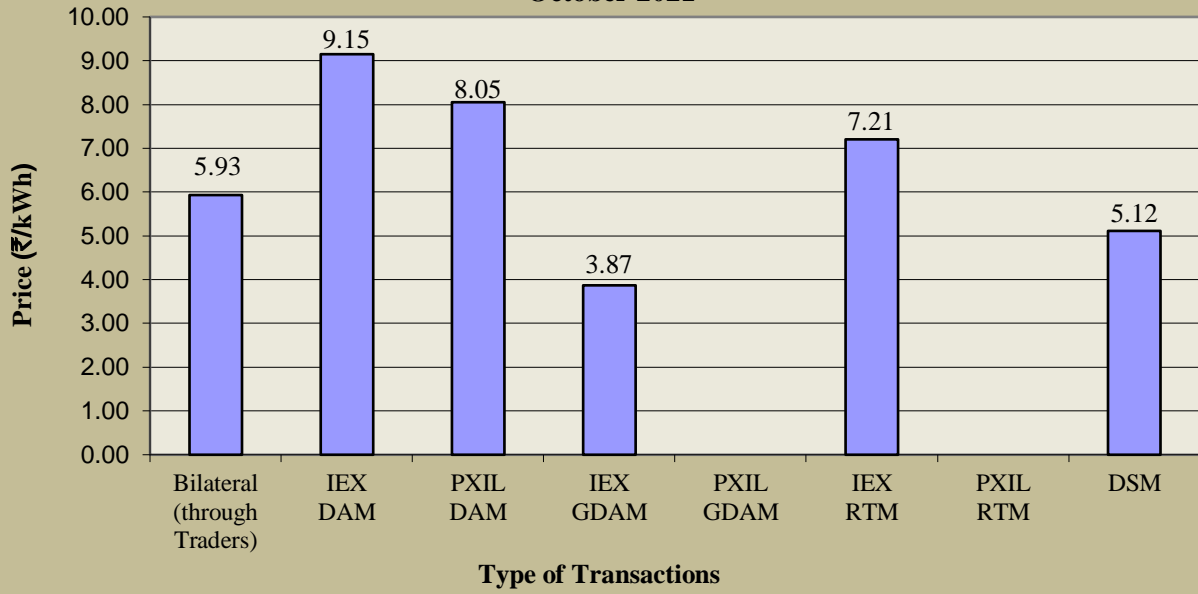
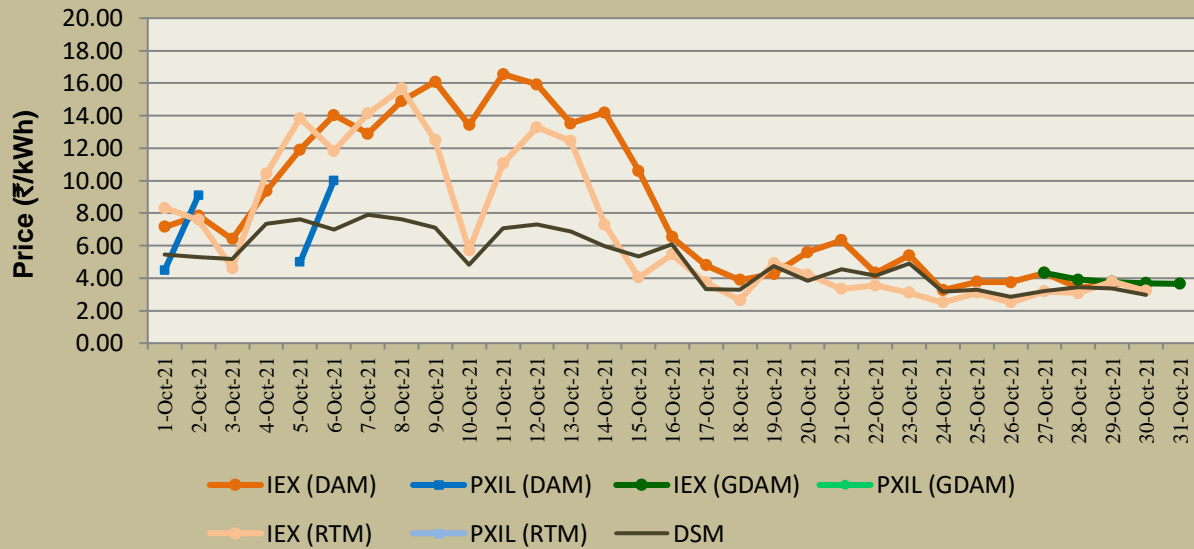


Figure-7: Price of Short-term Transactions of Electricity, October 2021 (Day-wise)



Note: On PXIL, electricity was transacted in DAM on 1st – 2nd, 5th – 6th October 2021, while no electricity was transacted in RTM during October 2021. GDAM was introduced only on IEX from 27th October 2021.

Table-13: VOLUME OF ELECTRICITY SOLD THROUGH BILATERAL, OCTOBER 2021		
Name of the Entity	Volume of Sale (MUs)	% of Volume
RPREL	367.79	9.44
KARNATAKA	213.17	5.47
JITPL	199.01	5.11
DVC	192.33	4.94
SEMBCORP	187.87	4.82
DELHI	176.17	4.52
DB POWER	153.23	3.93
SKS POWER	152.42	3.91
JAYPEE NIGRIE	151.86	3.90
JINDAL POWER	141.30	3.63
RKM POWER	132.97	3.41
ADHUNIK POWER LTD	131.09	3.37
TEESTA STG3	121.78	3.13
GUJARAT	121.62	3.12
MB POWER	120.47	3.09
REGL	118.68	3.05
J & K	116.99	3.00
HIMACHAL PRADESH	85.25	2.19
TELANGANA	71.93	1.85
DAGACHU	70.55	1.81
COASTGEN	51.30	1.32
NEEPCO STATIONS	51.25	1.32
UTTARAKHAND	50.42	1.29
WEST BENGAL	48.21	1.24
MRPL	47.04	1.21
ARERJL_SLR	46.92	1.20
ACME_SLR	45.40	1.17
RENEW_SLR_BKN	44.96	1.15
ADANIHB_SLR	42.58	1.09
MP	34.63	0.89
TATA_SLR	30.59	0.79
ONGC PALATANA	28.40	0.73
SIKKIM	27.20	0.70
TASHIDENG HEP	26.18	0.67
JORETHANG	25.54	0.66
EMCO	24.24	0.62
ODISHA	22.06	0.57
DIKCHU HEP	21.49	0.55
KERALA	19.66	0.50
AHEJOL_S_FTG2	19.10	0.49
IL&FS	16.00	0.41
AZURE43_SLR	13.01	0.33
MAHARASHTRA	11.59	0.30
ADANI_SLR 4	10.98	0.28
ESSAR POWER	10.78	0.28
JINDAL STAGE-II	10.63	0.27
EDEN_SLR	9.93	0.26
ADANI_WIND	9.72	0.25
SBSR_SLR	9.61	0.25
ASEJTL_SLR	8.59	0.22
AHEJ3L_S	8.41	0.22
AHEJ2L_S	8.19	0.21
LANKO_AMK	5.58	0.14
AHEJOL_W_FTG2	5.34	0.14

ARUNACHAL PRADESH	4.86	0.12
ANDHRA PRADESH	3.84	0.10
GMR KAMALANGA	2.73	0.07
JHABUA POWER_MP	2.32	0.06
RAJASTHAN	2.30	0.06
MEGHALAYA	2.17	0.06
HARYANA	1.15	0.03
RENEWSW_SLR	1.01	0.03
CONTINNUM PT	0.94	0.02
BIHAR	0.45	0.01
UTTAR PRADESH	0.37	0.01
ADANIHB_WIND	0.10	0.002
Total	3894.24	100.00
Volume Sold by top 5 Regional Entities	1160.17	29.79

Table-14: VOLUME OF ELECTRICITY PURCHASED THROUGH BILATERAL, OCTOBER 2021		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
MAHARASHTRA	709.04	18.21
GUJARAT	541.02	13.90
HARYANA	489.07	12.56
ODISHA	375.60	9.65
WEST BENGAL	183.07	4.70
MP	182.54	4.69
UTTAR PRADESH	159.73	4.10
JHARKHAND	155.95	4.01
DELHI	135.39	3.48
UTTARAKHAND	115.05	2.96
TELANGANA	113.70	2.92
BIHAR	102.77	2.64
CHHATTISGARH	98.54	2.53
HIMACHAL PRADESH	97.20	2.50
AMPS Hazira	91.41	2.35
RAJASTHAN	81.29	2.09
PUNJAB	79.00	2.03
BALCO	33.88	0.87
ANDHRA PRADESH	30.71	0.79
SIKKIM	24.66	0.63
ASSAM	22.92	0.59
KARNATAKA	19.28	0.50
GOA	16.75	0.43
TAMIL NADU	16.00	0.41
DADRA & NAGAR HAVELI	11.19	0.29
DVC	6.44	0.17
DAMAN AND DIU	0.84	0.02
TOTAL	3893.01	100.00
Volume Purchased by top 5 Regional Entities	2297.80	59.02

Table-15: VOLUME OF ELECTRICITY SOLD IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2021

Name of the Entity	Volume of Sale (MUs)	% of Volume
TELANGANA	525.18	8.00
KARNATAKA	491.09	7.48
WEST BENGAL	432.76	6.59
TEESTA STG3	361.55	5.50
ODISHA	324.82	4.94
SEMBCORP	324.35	4.94
CHHATTISGARH	248.86	3.79
NTPC STATIONS-SR	241.80	3.68
HIMACHAL PRADESH	230.32	3.51
ESSAR POWER	204.87	3.12
BIHAR	203.21	3.09
JINDAL POWER	202.23	3.08
MP	197.79	3.01
RPREL	192.24	2.93
JAYPEE NIGRIE	173.68	2.64
KERALA	152.65	2.32
DELHI	151.78	2.31
GUJARAT	140.50	2.14
REGL	135.27	2.06
MB POWER	117.84	1.79
MAHARASHTRA	115.94	1.77
RAJASTHAN	112.77	1.72
UTTAR PRADESH	103.16	1.57
SHREE CEMENT	98.90	1.51
ACBIL	82.88	1.26
JINDAL STAGE-II	80.17	1.22
DB POWER	64.77	0.99
RKM POWER	48.32	0.74
GMR KAMALANGA	43.49	0.66
SINGOLI BHATWARI HEP	40.80	0.62
JITPL	40.64	0.62
KARCHAM WANGTOO	38.16	0.58
NEEPCO STATIONS	37.92	0.58
TASHIDENG HEP	37.78	0.58
ASSAM	37.06	0.56
JORETHANG	36.15	0.55
MARUTI COAL	34.86	0.53
AD HYDRO	32.86	0.50
SAINJ HEP	29.41	0.45
ANDHRA PRADESH	29.36	0.45
TAMIL NADU	29.32	0.45
COASTGEN	28.91	0.44
J & K	25.65	0.39
NTPC STATIONS-NER	23.20	0.35
ADHUNIK POWER LTD	22.88	0.35
ONGC PALATANA	21.95	0.33
ARUNACHAL PRADESH	21.61	0.33

DIKCHU HEP	20.19	0.31
DGEN MEGA POWER	20.09	0.31
CHANDIGARH	18.36	0.28
SIKKIM	16.82	0.26
MIZORAM	15.39	0.23
GOA	14.22	0.22
ADANIHB_SLR	11.67	0.18
MEGHALAYA	10.65	0.16
TRIPURA	10.48	0.16
JHARKHAND	8.78	0.13
SORANG HEP	8.54	0.13
CHUZACHEN HEP	7.04	0.11
HARYANA	5.45	0.08
NAGALAND	3.68	0.06
JHABUA POWER_MP	3.34	0.05
IL&FS	2.89	0.04
ADANI GREEN	2.82	0.04
RGPPL_Others	2.82	0.04
NLC	2.77	0.04
ADANI_WIND	1.93	0.03
LANCO BUDHIL	1.71	0.03
UTTARAKHAND	1.52	0.02
AZURE43_SLR	1.52	0.02
AHEJ2L_SLR	1.02	0.02
DVC	1.01	0.02
AHEJ3L_SLR	0.94	0.01
DHARIWAL POWER	0.53	0.01
EMCO	0.36	0.01
CONTINNUM PT	0.18	0.003
NTPC STATIONS-ER	0.12	0.002
RENEWJH_SLR	0.11	0.002
DADRA & NAGAR HAVELI	0.05	0.001
Total	6568.68	100.00
Volume sold by top 5 Regional Entities	2135.41	32.51

Table-16: VOLUME OF ELECTRICITY PURCHASED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2021

Name of the Entity	Volume of Purchase (MUs)	% of Volume
GUJARAT	2002.85	30.49
ANDHRA PRADESH	925.05	14.08
TAMIL NADU	873.92	13.30
HARYANA	518.96	7.90
PUNJAB	490.78	7.47
MAHARASHTRA	321.36	4.89
UTTAR PRADESH	260.46	3.97
RAJASTHAN	160.41	2.44
AMPS Hazira	147.74	2.25
ASSAM	141.53	2.15
BIHAR	132.48	2.02
ODISHA	96.88	1.47
MP	95.84	1.46
DADRA & NAGAR HAVELI	82.96	1.26
DELHI	79.13	1.20
DVC	35.43	0.54
TELANGANA	35.00	0.53
CHHATTISGARH	33.20	0.51
J & K	29.85	0.45
WEST BENGAL	23.89	0.36
KARNATAKA	16.09	0.25
UTTARAKHAND	15.29	0.23
GOA	11.32	0.17
BALCO	7.88	0.12
RAIL	7.47	0.11
KERALA	7.33	0.11
JHARKHAND	5.22	0.08
DAMAN AND DIU	5.01	0.08
MEGHALAYA	3.36	0.05
CHANDIGARH	1.00	0.02
HIMACHAL PRADESH	0.63	0.01
TRIPURA	0.38	0.01
NEPAL(NVVN)	0.01	0.0001
TOTAL	6568.68	100.00
Volume purchased by top 5 Regional Entities	4811.55	73.25

Table-17: VOLUME OF ELECTRICITY SOLD IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2021		
Name of the Entity	Volume of Sale (MUs)	% of Volume
TELANGANA	11.71	60.32
KARNATAKA	5.39	27.78
AZURE43_SLR	1.07	5.49
ADANIHB_SLR	0.54	2.76
UTTARAKHAND	0.34	1.73
RAJASTHAN	0.18	0.94
HIMACHAL PRADESH	0.09	0.49
RENEWJH_SLR	0.08	0.39
MP	0.01	0.07
ANDHRA PRADESH	0.01	0.03
Total	19.41	100.00
Volume sold by top 5 Regional Entities	19.04	98.08

Table-18: VOLUME OF ELECTRICITY PURCHASED IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2021		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
MAHARASHTRA	5.18	26.66
ODISHA	4.84	24.92
DADRA & NAGAR HAVELI	4.05	20.88
DELHI	1.93	9.94
BIHAR	0.93	4.79
KERALA	0.91	4.67
ASSAM	0.41	2.12
TAMIL NADU	0.33	1.69
WEST BENGAL	0.21	1.10
UTTAR PRADESH	0.19	0.98
GUJARAT	0.16	0.84
DAMAN AND DIU	0.13	0.69
TELANGANA	0.08	0.40
ANDHRA PRADESH	0.06	0.30
KARNATAKA	0.005	0.02
TOTAL	19.41	100.00
Volume purchased by top 5 Regional Entities	16.93	87.20

Table-19: VOLUME OF ELECTRICITY SOLD IN REAL TIME MARKET THROUGH POWER EXCHANGES, OCTOBER 2021

Name of the Entity	Volume of Sale (MUs)	% of Volume
TELANGANA	241.33	12.07
WEST BENGAL	240.38	12.02
MP	170.26	8.52
ODISHA	142.72	7.14
KARNATAKA	134.04	6.70
RAJASTHAN	102.52	5.13
DELHI	90.28	4.52
J & K	86.80	4.34
NEEPCO STATIONS	73.42	3.67
NLC	73.25	3.66
RKM POWER	64.12	3.21
KERALA	57.33	2.87
HIMACHAL PRADESH	45.83	2.29
ASSAM	45.26	2.26
SASAN UMPP	42.58	2.13
BIHAR	42.44	2.12
CHHATTISGARH	36.16	1.81
MB POWER	34.40	1.72
NTPC STATIONS-SR	23.52	1.18
UTTAR PRADESH	21.55	1.08
NTPC STATIONS-NR	16.44	0.82
MANIPUR	15.79	0.79
TRIPURA	15.03	0.75
NTPC STATIONS-WR	13.33	0.67
TEESTA STG3	11.91	0.60
JINDAL POWER	11.69	0.58
EMCO	10.82	0.54
MARUTI COAL	10.19	0.51
ANDHRA PRADESH	8.21	0.41
GUJARAT	8.11	0.41
MAHARASHTRA	8.04	0.40
MEGHALAYA	7.89	0.39
DB POWER	7.28	0.36
SINGOLI BHATWARI HEP	7.23	0.36
SIKKIM	7.01	0.35
JINDAL STAGE-II	4.76	0.24
RGPPL_IR	4.74	0.24
JHARKHAND	4.67	0.23
NTPC STATIONS-NER	4.66	0.23
TAMIL NADU	4.56	0.23
ONGC PALATANA	3.93	0.20
DIKCHU HEP	3.80	0.19
SEMBCORP	3.43	0.17
DGEN MEGA POWER	3.19	0.16
RPREL	2.91	0.15
NTPC STATIONS-ER	2.89	0.14
REGL	2.57	0.13

GMR KAMALANGA	2.44	0.12
JORETHANG	2.14	0.11
SORANG HEP	2.11	0.11
HARYANA	2.01	0.10
TASHIDENG HEP	1.93	0.10
ARUNACHAL PRADESH	1.84	0.09
JHABUA POWER_MP	1.66	0.08
RENEWSW_SLR	1.49	0.07
ACBIL	1.34	0.07
KARCHAM WANGTOO	1.30	0.06
SHREE CEMENT	1.23	0.06
SAINJ HEP	0.96	0.05
PUNJAB	0.73	0.04
ESSAR POWER	0.66	0.03
DADRA & NAGAR HAVELI	0.53	0.03
CHUZACHEN HEP	0.42	0.02
RGPPL	0.39	0.02
CHANDIGARH	0.35	0.02
SKS POWER	0.32	0.02
AD HYDRO	0.30	0.01
NAGALAND	0.29	0.01
RGPPL_Others	0.28	0.01
CGPL	0.25	0.01
DHARIWAL POWER	0.20	0.01
ADANIHB_SLR	0.18	0.01
LANCO BUDHIL	0.17	0.01
MIZORAM	0.15	0.01
IL&FS	0.12	0.01
MAITHON POWER LTD	0.08	0.004
BRBCL,NABINAGAR	0.04	0.002
UTTARAKHAND	0.02	0.001
AHEJ3L_S	0.001	0.00005
Total	1999.17	100.00
Volume sold by top 5 Regional Entities	928.73	46.46

Table-20: VOLUME OF ELECTRICITY PURCHASED IN REAL TIME MARKET THROUGH POWER EXCHANGES, OCTOBER 2021		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
ANDHRA PRADESH	238.75	11.94
TAMIL NADU	234.22	11.72
GUJARAT	209.66	10.49
HARYANA	186.74	9.34
DVC	180.98	9.05
RAJASTHAN	161.98	8.10
UTTAR PRADESH	157.59	7.88
MAHARASHTRA	128.73	6.44
J & K	86.12	4.31
TELANGANA	58.32	2.92
BIHAR	47.98	2.40
DELHI	43.74	2.19
ODISHA	41.72	2.09
ASSAM	38.51	1.93
PUNJAB	34.72	1.74
WEST BENGAL	34.55	1.73
CHHATTISGARH	31.59	1.58
AMPS Hazira	18.47	0.92
MP	14.01	0.70
HIMACHAL PRADESH	13.51	0.68
KERALA	7.97	0.40
KARNATAKA	5.12	0.26
JHARKHAND	5.08	0.25
DADRA & NAGAR HAVELI	3.49	0.17
TRIPURA	3.06	0.15
DAMAN AND DIU	2.74	0.14
MANIPUR	2.50	0.13
BALCO	2.22	0.11
GOA	1.63	0.08
UTTARAKHAND	1.26	0.06
RAIL	0.59	0.03
JORETHANG	0.34	0.02
MEGHALAYA	0.33	0.02
SIKKIM	0.31	0.02
JINDAL POWER	0.18	0.01
CHANDIGARH	0.15	0.01
JHABUA POWER_MP	0.12	0.01
ARUNACHAL PRADESH	0.10	0.005
TASHIDENG HEP	0.08	0.004
TOTAL	1999.17	100.00
Volume purchased by top 5 Regional Entities	1050.35	52.54

Table-21: VOLUME OF ELECTRICITY UNDER DRAWAL (EXPORTED) THROUGH DSM, OCTOBER 2021		
Name of the Entity	Volume of Under drawal (MUs)	% of Volume
CHUKHA HEP	106.07	4.68
NHPC STATIONS	101.77	4.49
NTPC STATIONS-WR	93.07	4.11
MAHARASHTRA	92.25	4.07
KARNATAKA	84.57	3.73
UTTAR PRADESH	77.03	3.40
PUNJAB	74.74	3.30
KERALA	74.29	3.28
HARYANA	74.04	3.27
DVC	72.68	3.21
MP	69.21	3.06
BIHAR	68.12	3.01
ADANIHB_SLR	55.11	2.43
GUJARAT	54.92	2.42
PONDICHERRY	54.81	2.42
RAJASTHAN	53.68	2.37
SASAN UMPP	49.59	2.19
NTPC STATIONS-NR	49.28	2.18
WEST BENGAL	45.89	2.03
NTPC STATIONS-SR	44.58	1.97
ANDHRA PRADESH	42.02	1.86
NTPC STATIONS-ER	37.85	1.67
TAMIL NADU	36.24	1.60
ODISHA	33.31	1.47
DELHI	33.00	1.46
J & K	26.37	1.16
JHARKHAND	25.07	1.11
UTTARAKHAND	23.86	1.05
AMPS Hazira	22.91	1.01
CHHATTISGARH	19.88	0.88
GIWEL_BHUJ	18.37	0.81
GOA	16.35	0.72
NLC	15.74	0.70
BBMB	15.28	0.67
CHANDIGARH	13.08	0.58
NJPC	12.21	0.54
ASSAM	12.04	0.53
RENEW_BHACHAU	11.48	0.51
TEHRI	11.29	0.50
ALFANAR_BHUJ	11.21	0.49
TRIPURA	11.15	0.49
AGEMPL BHUJ	10.86	0.48
RENEW_BHUJ	10.73	0.47
OSTRO	10.68	0.47
RAMPUR HEP	9.29	0.41
MANGDECHU HEP	9.21	0.41
SPRING_PUGALUR	8.56	0.38
BETAM_TCN	8.54	0.38
MAITHON POWER LTD	8.17	0.36
RKM POWER	8.03	0.35
KARCHAM WANGTOO	7.96	0.35
NETCL VALLUR	7.88	0.35
NTPL	7.88	0.35
ORANGE_TCN	7.29	0.32
NEEPCO STATIONS	7.18	0.32
SPRNG_NPKUNTA	6.72	0.30
TATA_PVGD	6.72	0.30
RPREL	6.37	0.28
HIMACHAL PRADESH	6.36	0.28
BRBCL,NABINAGAR	6.30	0.28
GIWEL_TCN	5.88	0.26
ACBIL	5.74	0.25
AYANA_NPKUNTA	5.64	0.25

FORTUM2_PVGD	5.50	0.24
MB POWER	5.44	0.24
TEESTA HEP	5.29	0.23
NPGC	5.29	0.23
MRPL	5.29	0.23
GMR KAMALANGA	4.98	0.22
AZURE43_SLR	4.93	0.22
JINDAL POWER	4.91	0.22
JAYPEE NIGRIE	4.83	0.21
MEGHALAYA	4.74	0.21
MIZORAM	4.71	0.21
SBSR_SLR	4.69	0.21
SIKKIM	4.67	0.21
SBG_NPK	4.53	0.20
LANKO_AMK	4.48	0.20
DADRA & NAGAR HAVELI	4.01	0.18
KOTESHWAR	3.95	0.17
RENEWSW_SLR	3.91	0.17
INOX_BHUI	3.89	0.17
ACME_SLR	3.84	0.17
SBG_PVGD	3.75	0.17
EDEN_SLR	3.58	0.16
BARC	3.44	0.15
NTPC_ANTP	3.40	0.15
ARINSUM_RUMS	3.28	0.14
RENEWJH_SLR	3.27	0.14
JINDAL STAGE-II	3.24	0.14
SB6_POKARAN	3.12	0.14
MYTRAH_TCN	2.96	0.13
AVAADA2_PVGD	2.95	0.13
ACME_RUMS	2.92	0.13
MAHINDRA_RUMS	2.90	0.13
AVAADA1_PVGD	2.87	0.13
KSK MAHANADI	2.70	0.12
CGPL	2.66	0.12
NAPP	2.65	0.12
AZURE_SLR	2.63	0.12
NTPC STATIONS-NER	2.55	0.11
IGSTPS	2.37	0.10
MANIPUR	2.32	0.10
PARAM_PVGD	2.31	0.10
AZURE_PVGD	2.28	0.10
RENEW_SLR_BKN	2.19	0.10
TATA_ANTP	2.16	0.10
ONGC PALATANA	2.12	0.09
BALCO	2.12	0.09
NAGALAND	2.09	0.09
MTPS II	2.07	0.09
RGPPL	2.03	0.09
RAP B	2.00	0.09
ESSAR POWER	1.96	0.09
RANGANADI HEP	1.94	0.09
AD HYDRO	1.90	0.08
CLEAN_SLR	1.89	0.08
DIKCHU HEP	1.81	0.08
TELANGANA	1.80	0.08
SB_SLR	1.79	0.08
FORTUM1_PVGD	1.79	0.08
ADHUNIK POWER LTD	1.77	0.08
OSTRO Hiriyur	1.71	0.08
ARUNACHAL PRADESH	1.67	0.07
SAINJ HEP	1.64	0.07
NSPCL	1.63	0.07
RAIL	1.62	0.07
NEPAL(NVVN)	1.54	0.07
SEMBCORP	1.53	0.07

SKS POWER	1.44	0.06
CHUZACHEN HEP	1.41	0.06
ADY10_PVGD	1.36	0.06
ADY13_PVGD	1.36	0.06
ESPL_RADHANESDA	1.31	0.06
ADY1_PVGD	1.27	0.06
EMCO	1.24	0.05
ADY3_PVGD	1.18	0.05
DB POWER	1.14	0.05
ARS_PVGD	1.13	0.05
ADY6_PVGD	1.12	0.05
KREDL_PVGD	1.07	0.05
FRV_NPK	1.07	0.05
AKSP_ANTP	1.07	0.05
AZURE_ANTP	1.07	0.05
ADY2_PVGD	1.02	0.05
DAMAN AND DIU	0.99	0.04
THERMAL POWERTECH	0.99	0.04
YARROW_PVGD	0.97	0.04
ARERJL_SLR	0.95	0.04
AKS_PVGD	0.95	0.04
AHSP_ANTP	0.93	0.04
RONGNICHU HEP	0.92	0.04
ABSP_ANTP	0.92	0.04
FRV_ANTP	0.91	0.04
RENEW_PVGD	0.86	0.04
SHREE CEMENT	0.79	0.04
AZURE34_SLR	0.76	0.03
SINGOLI BHATWARI HEP	0.76	0.03
PARE HEP	0.75	0.03
ASEJTL_SLR	0.75	0.03
JITPL	0.74	0.03
TASHIDENG HEP	0.72	0.03
TPREL_RADHANESDA	0.70	0.03
GIPCL_RADHANESDA	0.69	0.03
JHABUA POWER_MP	0.67	0.03
DCPP	0.64	0.03
TATA_SLR	0.63	0.03
KURICHU HEP	0.62	0.03
LOKTAK	0.61	0.03
TEESTA STG3	0.60	0.03
DGEN MEGA POWER	0.58	0.03
COASTGEN	0.58	0.03
DAGACHU	0.57	0.03
BANGLADESH	0.57	0.03
LANCO BUDHIL	0.56	0.02
SORANG HEP	0.52	0.02
TALA HEP	0.45	0.02
DOYANG HEP	0.43	0.02
RENEW_SLR	0.38	0.02
RANGIT HEP	0.34	0.01
RAP C	0.28	0.01
HVDC ALPD	0.26	0.01
NFF	0.23	0.01
HVDC RAIGARH	0.20	0.01
JORETHANG	0.18	0.01
DHARIWAL POWER	0.17	0.01
IL&FS	0.15	0.01
VINDHYACHAL HVDC	0.14	0.01
HVDC PUS	0.04	0.002
NEP	0.03	0.002
BHADRAVATHI HVDC	0.03	0.001
HVDC CHAMPA	0.004	0.0002
Total	2264.95	100.00
Volume Exported by top 5 Regional Entities	477.73	21.09

Table-22: VOLUME OF ELECTRICITY OVER DRAWAL (IMPORTED) THROUGH DSM, OCTOBER 2021

Name of the Entity	Volume of Over drawal (MUs)	% of Volume
TALA HEP	166.44	8.02
NTPC STATIONS-WR	138.09	6.65
RAJASTHAN	108.33	5.22
GUJARAT	104.35	5.03
PONDICHERRY	85.91	4.14
UTTAR PRADESH	82.81	3.99
NTPC STATIONS-NR	81.03	3.90
ANDHRA PRADESH	68.62	3.30
HARYANA	57.95	2.79
MAHARASHTRA	45.46	2.19
KERALA	42.27	2.04
HIMACHAL PRADESH	41.73	2.01
NTPC STATIONS-ER	40.56	1.95
NEPAL(NVVN)	39.50	1.90
MP	39.49	1.90
J & K	39.20	1.89
KARNATAKA	31.59	1.52
CHHATTISGARH	29.90	1.44
WEST BENGAL	28.80	1.39
PUNJAB	28.07	1.35
NLC	24.14	1.16
AMPS Hazira	22.58	1.09
ODISHA	22.44	1.08
UTTARAKHAND	20.61	0.99
BIHAR	20.34	0.98
RAIL	20.21	0.97
DVC	18.24	0.88
ASSAM	15.99	0.77
NHPC STATIONS	15.91	0.77
TAMIL NADU	14.44	0.70
CGPL	13.99	0.67
DELHI	13.70	0.66
DAMAN AND DIU	13.45	0.65
THERMAL POWERTECH	13.29	0.64
GIWEL_TCN	13.08	0.63
MYTRAH_TCN	12.76	0.61
TEESTA STG3	12.66	0.61
DAGACHU	12.45	0.60
JHARKHAND	11.58	0.56
DADRA & NAGAR HAVELI	10.42	0.50
MB POWER	9.96	0.48
ORANGE_TCN	9.55	0.46
NPGC	9.13	0.44
TATA_PVGD	9.01	0.43
BALCO	8.94	0.43
MANGDECHU HEP	8.42	0.41
KURICHU HEP	8.41	0.41
SPRING_PUGALUR	8.25	0.40
KAPP 3&4	8.04	0.39
SEMBCORP	8.04	0.39
JITPL	7.53	0.36
ARUNACHAL PRADESH	7.52	0.36
IGSTPS	7.38	0.36
AGEMPL BHUJ	7.31	0.35
GOA	7.20	0.35
JORETHANG	6.93	0.33
NTPC STATIONS-SR	6.79	0.33
CHANDIGARH	6.65	0.32
SBG_NPK	6.61	0.32
IL&FS	6.49	0.31
JHABUA POWER_MP	6.34	0.31
TATA_SLR	6.25	0.30
TASHIDENG HEP	6.13	0.30

GIWEL_BHUI	6.09	0.29
CLEAN_SLR	5.91	0.28
KARCHAM WANGTOO	5.76	0.28
DB POWER	5.45	0.26
NTPC STATIONS-NER	5.40	0.26
NAPP	5.14	0.25
SBG_PVGD	5.09	0.25
NTPC_ANTP	4.92	0.24
RGPPL	4.87	0.23
ARINSUM_RUMS	4.84	0.23
RENEW_BHUI	4.63	0.22
BETAM_TCN	4.56	0.22
BRBCL,NABINAGAR	4.47	0.22
FORTUM2_PVGD	4.46	0.21
MTPS II	4.41	0.21
AYANA_NPKUNTA	4.17	0.20
TRIPURA	4.17	0.20
ARERJL_SLR	4.11	0.20
MAHINDRA_RUMS	4.07	0.20
SIKKIM	4.04	0.19
MEGHALAYA	4.01	0.19
RENEW_BHACHAU	3.93	0.19
PARAM_PVGD	3.88	0.19
OSTRO Hiriyur	3.84	0.19
BBMB	3.83	0.18
JINDAL STAGE-II	3.77	0.18
ACME_RUMS	3.74	0.18
RAP C	3.70	0.18
SPRNG_NPKUNTA	3.60	0.17
AZURE43_SLR	3.60	0.17
COASTGEN	3.51	0.17
RPREL	3.47	0.17
AVAADA1_PVGD	3.39	0.16
MANIPUR	3.36	0.16
NJPC	3.25	0.16
TEHRI	3.17	0.15
MAITHON POWER LTD	3.15	0.15
RKM POWER	3.11	0.15
ESPL_RADHANESDA	3.10	0.15
JINDAL POWER	3.08	0.15
TELANGANA	3.02	0.15
INOX_BHUI	3.01	0.15
OSTRO	2.98	0.14
SHREE CEMENT	2.89	0.14
RENEW_SLR_BKN	2.86	0.14
NSPCL	2.86	0.14
MRPL	2.63	0.13
AVAADA2_PVGD	2.61	0.13
NAGALAND	2.54	0.12
BANGLADESH	2.47	0.12
ONGC PALATANA	2.37	0.11
FORTUM1_PVGD	2.27	0.11
GMR KAMALANGA	2.27	0.11
EMCO	2.16	0.10
AZURE_PVGD	2.11	0.10
ADHUNIK POWER LTD	2.10	0.10
ALFANAR_BHUI	2.07	0.10
TATA_ANTP	2.02	0.10
GIPCL_RADHANESDA	2.01	0.10
NEEPCO STATIONS	2.00	0.10
SB6_POKARAN	1.85	0.09
SB_SLR	1.80	0.09
NEP	1.75	0.08
ACME_SLR	1.74	0.08
SKS POWER	1.73	0.08
TPREL_RADHANESDA	1.66	0.08

SASAN UMPP	1.57	0.08
RENEWSW_SLR	1.54	0.07
RENEW_PVGD	1.53	0.07
RENEWJH_SLR	1.53	0.07
AZURE34_SLR	1.47	0.07
KOTESHWAR	1.43	0.07
EDEN_SLR	1.42	0.07
AHSP_ANTP	1.26	0.06
ABSP_ANTP	1.24	0.06
DGEN MEGA POWER	1.23	0.06
AKSP_ANTP	1.19	0.06
YARROW_PVGD	1.19	0.06
ACBIL	1.18	0.06
ADY6_PVGD	1.17	0.06
AKS_PVGD	1.16	0.06
AZURE_SLR	1.15	0.06
KSK MAHANADI	1.14	0.05
ADY2_PVGD	1.11	0.05
FRV_ANTP	1.09	0.05
CHUZACHEN HEP	1.09	0.05
ADY3_PVGD	1.09	0.05
ADY13_PVGD	1.08	0.05
FRV_NPK	1.08	0.05
ADY1_PVGD	1.08	0.05
ADY10_PVGD	1.03	0.05
MIZORAM	1.01	0.05
KREDL_PVGD	1.00	0.05
RANGANADI HEP	0.96	0.05
ADANIHB_SLR	0.94	0.05
DHARIWAL POWER	0.90	0.04
AZURE_ANTP	0.89	0.04
ARS_PVGD	0.89	0.04
DIKCHU HEP	0.81	0.04
AD HYDRO	0.71	0.03
MEENAKSHI	0.70	0.03
LANCO BUDHIL	0.66	0.03
RAMPUR HEP	0.64	0.03
SORANG HEP	0.64	0.03
RANGIT HEP	0.64	0.03
ASEJTL_SLR	0.61	0.03
SINGOLI BHATWARI HEP	0.59	0.03
LANKO KONDAPALLI	0.56	0.03
RAP B	0.56	0.03
HVDC CHAMPA	0.51	0.02
RONGNICHU HEP	0.51	0.02
SIMHAPURI	0.46	0.02
SAINJ HEP	0.45	0.02
RENEW_SLR	0.44	0.02
ESSAR POWER	0.41	0.02
JAYPEE NIGRIE	0.38	0.02
DCPP	0.36	0.02
SBSR_SLR	0.34	0.02
LOKTAK	0.30	0.01
DOYANG HEP	0.27	0.01
NFF	0.23	0.01
CHUKHA HEP	0.23	0.01
PARE HEP	0.23	0.01
TRN ENERGY	0.13	0.01
HVDC RAIGARH	0.09	0.004
LANKO_AMK	0.07	0.003
TEESTA HEP	0.06	0.003
BHADRAVATHI HVDC	0.06	0.003
HVDC PUS	0.01	0.001
HVDC ALPD	0.0003	0.00001
TOTAL	2076.40	100.00
Volume Imported by top 5 Regional Entities	603.13	29.05

Table-23: TOTAL VOLUME OF NET SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY-WISE), OCTOBER 2021

S. No.	Name of the Entity	Total volume of net short-term transactions of electricity*
1	GUJARAT	2532.89
2	ANDHRA PRADESH	1179.76
3	HARYANA	1170.07
4	TAMIL NADU	1068.78
5	MAHARASHTRA	981.95
6	PUNJAB	557.10
7	UTTAR PRADESH	458.67
8	AMPS Hazira	257.29
9	RAJASTHAN	240.55
10	TALA HEP	165.99
11	JHARKHAND	139.30
12	ASSAM	125.00
13	DADRA & NAGAR HAVELI	107.53
14	UTTARAKHAND	76.05
15	BALCO	50.80
16	NEPAL(NVVN)	37.97
17	NTPC STATIONS-WR	31.69
18	PONDICHERY	31.11
19	RAIL	26.64
20	DAMAN AND DIU	21.18
21	ODISHA	18.57
22	NTPC STATIONS-NR	15.31
23	THERMAL POWERTECH	12.30
24	CGPL	11.08
25	MYTRAH_TCN	9.81
26	KAPP 3&4	8.04
27	KURICHU HEP	7.79
28	GIWEL_TCN	7.20
29	GOA	6.34
30	IGSTPS	5.01
31	CLEAN_SLR	4.02
32	NPGC	3.84
33	RAP C	3.42
34	NAPP	2.49
35	RGPPL	2.44
36	MTPS II	2.33
37	TATA_PVGD	2.30
38	ORANGE_TCN	2.26
39	OSTRO Hiriyur	2.13
40	SBG_NPK	2.08
41	BANGLADESH	1.90
42	ESPL_RADHANESDA	1.79
43	NEP	1.71
44	PARAM_PVGD	1.57
45	ARINSUM_RUMS	1.56
46	NTPC_ANTP	1.52
47	SBG_PVGD	1.35
48	GIPCL_RADHANESDA	1.32
49	NSPCL	1.23
50	MAHINDRA_RUMS	1.17
51	TPREL_RADHANESDA	0.96
52	ACME_RUMS	0.81
53	AZURE34_SLR	0.71
54	MEENAKSHI	0.70
55	RENEW_PVGD	0.67
56	LANKO KONDAPALLI	0.56
57	AVAADA1_PVGD	0.51
58	HVDC CHAMPA	0.51
59	FORTUM1_PVGD	0.48
60	SIMHAPURI	0.46
61	AHSP_ANTP	0.33
62	ABSP_ANTP	0.32

63	RANGIT HEP	0.30
64	YARROW_PVGD	0.21
65	AKS_PVGD	0.21
66	FRV_ANTP	0.18
67	TRN ENERGY	0.13
68	AKSP_ANTP	0.12
69	ADY2_PVGD	0.09
70	RENEW_SLR	0.07
71	ADY6_PVGD	0.06
72	BHADRAVATHI HVDC	0.03
73	FRV_NPK	0.01
74	NFF	0.003
75	DHARIWAL POWER	0.003
76	SB_SLR	0.002
77	HVDC PUS	-0.03
78	KREDL_PVGD	-0.07
79	ADY3_PVGD	-0.09
80	ADANIHB_WIND	-0.10
81	HVDC RAIGARH	-0.11
82	TATA_ANTP	-0.13
83	VINDHYACHAL HVDC	-0.14
84	DOYANG HEP	-0.15
85	AZURE_PVGD	-0.17
86	AZURE_ANTP	-0.17
87	ADY1_PVGD	-0.19
88	ARS_PVGD	-0.25
89	HVDC ALPD	-0.26
90	ADY13_PVGD	-0.27
91	DCPP	-0.28
92	SPRING_PUGALUR	-0.30
93	NTPC STATIONS-ER	-0.30
94	LOKTAK	-0.31
95	ADY10_PVGD	-0.33
96	AVAADA2_PVGD	-0.34
97	RONGNICHU HEP	-0.42
98	PARE HEP	-0.52
99	MANGDECHU HEP	-0.78
100	INOX_BHUJ	-0.88
101	RANGANADI HEP	-0.98
102	FORTUM2_PVGD	-1.04
103	CONTINNUM PT	-1.12
104	SB6_POKARAN	-1.27
105	RAP B	-1.44
106	AYANA_NPKUNTA	-1.47
107	AZURE_SLR	-1.48
108	JHABUA POWER_MP	-1.53
109	KSK MAHANADI	-1.56
110	LANCO BUDHIL	-1.78
111	BRBCL,NABINAGAR	-1.87
112	RENEWJH_SLR	-1.92
113	KOTESHWAR	-2.52
114	ADANI GREEN	-2.82
115	RGPPL_Others	-3.10
116	SPRNG_NPKUNTA	-3.12
117	BARC	-3.44
118	NAGALAND	-3.52
119	AGEMPL BHUJ	-3.55
120	BETAM_TCN	-3.98
121	RGPPL_IR	-4.74
122	RENEWSW_SLR	-4.87
123	MAITHON POWER LTD	-5.10
124	TEESTA HEP	-5.23
125	AHEJOL_W_FTG2	-5.34
126	RENEW_BHUJ	-6.10
127	RENEW_BHACHAU	-7.55
128	OSTRO	-7.70

129	CHUZACHEN HEP	-7.77
130	NETCL VALLUR	-7.88
131	NTPL	-7.88
132	TEHRI	-8.12
133	RAMPUR HEP	-8.65
134	ASEJTL_SLR	-8.73
135	NJPC	-8.96
136	ALFANAR_BHUJ	-9.13
137	AHEJ2L_SLR	-9.21
138	AHEJ3L_SLR	-9.35
139	BIHAR	-9.72
140	LANKO_AMK	-9.99
141	SORANG HEP	-10.53
142	ADANI_SLR 4	-10.98
143	BBMB	-11.45
144	ADANI_WIND	-11.65
145	EDEN_SLR	-12.09
146	MANIPUR	-12.24
147	GIWEL_BHUJ	-12.28
148	IL&FS	-12.66
149	SBSR_SLR	-13.96
150	AZURE43_SLR	-16.94
151	MEGHALAYA	-17.74
152	AHEJOL_S_FTG2	-19.10
153	MIZORAM	-19.25
154	ARUNACHAL PRADESH	-22.35
155	DGEN MEGA POWER	-22.63
156	CHANDIGARH	-23.99
157	DVC	-24.92
158	TATA_SLR	-24.97
159	NTPC STATIONS-NER	-25.01
160	SIKKIM	-26.68
161	TRIPURA	-29.05
162	SAINJ HEP	-31.56
163	AD HYDRO	-34.35
164	EMCO	-34.50
165	KARCHAM WANGTOO	-41.65
166	ARERJL_SLR	-43.76
167	RENEW_SLR_BKN	-44.29
168	MARUTI COAL	-45.04
169	DIKCHU HEP	-46.48
170	ACME_SLR	-47.50
171	SINGOLI BHATWARI HEP	-48.20
172	MRPL	-49.69
173	GMR KAMALANGA	-51.38
174	ONGC PALATANA	-54.03
175	JORETHANG	-56.73
176	DAGACHU	-58.68
177	TASHIDENG HEP	-60.39
178	NLC	-67.62
179	COASTGEN	-77.29
180	NHPC STATIONS	-85.86
181	ACBIL	-88.77
182	SASAN UMPP	-90.60
183	JINDAL STAGE-II	-95.03
184	SHREE CEMENT	-98.03
185	J & K	-100.64
186	CHUKHA HEP	-105.84
187	ADANIHB_SLR	-109.14
188	CHHATTISGARH	-111.67
189	MP	-140.05
190	SKS POWER	-152.45
191	ADHUNIK POWER LTD	-153.63
192	NEEPCO STATIONS	-167.76
193	DELHI	-177.34
194	HIMACHAL PRADESH	-214.78

195	ESSAR POWER	-217.86
196	DB POWER	-220.97
197	JITPL	-232.86
198	KERALA	-245.44
199	RKM POWER	-250.32
200	REGL	-256.53
201	MB POWER	-268.18
202	NTPC STATIONS-SR	-303.12
203	JAYPEE NIGRIE	-329.98
204	JINDAL POWER	-356.87
205	TEESTA STG3	-483.19
206	WEST BENGAL	-496.74
207	SEMBCORP	-509.14
208	RPREL	-565.85
209	TELANGANA	-641.84
210	KARNATAKA	-856.18
* 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		

Table-24: DETAILS OF CONGESTION IN POWER EXCHANGES, OCTOBER 2021							
	Details of Congestion	Day Ahead Market		Green Day Ahead Market		Real Time Market	
		IEX	PXIL	IEX	PXIL	IEX	PXIL
A	Unconstrained Cleared Volume (MUs)	6568.31	0.37	19.41	-	2000.30	0.00
B	Actual Cleared Volume and hence scheduled (MUs)	6568.31	0.37	19.41	-	1999.17	0.00
C	Volume of electricity that could not be cleared and hence not scheduled because of congestion (MUs) *	0.00	0.00	0.00	-	1.14	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	0.00
E	Volume of electricity that could not be cleared as % to Unconstrained Cleared Volume	0.00%	0.00%	0.00%	-	0.06%	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%	0.00%	-	1.41%	0.00%
G	Congestion occurrence (%) time block wise						
	0.00 - 6.00 hours	0.00%	0.00%	0.00%	-	4.76%	0.00%
	6.00 - 12.00 hours	0.00%	0.00%	0.00%	-	59.52%	0.00%
	12.00 - 18.00 hours	0.00%	0.00%	0.00%	-	35.71%	0.00%
	18.00 - 24.00 hours	0.00%	0.00%	0.00%	-	0.00%	0.00%
<i>*This power would have been scheduled had there been no congestion.</i>							

Source: IEX, PXIL & NLDC

**Table-25: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY IN INDIA (DAY-WISE)
(MUs), OCTOBER 2021**

Date	Bilateral		Day Ahead Market [#]		Green Day Ahead Market [#]		Real Time Market [#]		Deviation Settlement (Over Drawl + Under Generation)	Total Electricity Generation (MU) as given at CEA Website*
	Through Traders and PXs**	Direct	IEX	PXIL	IEX	PXIL	IEX	PXIL		
1-Oct-21	83.55	43.73	245.31	0.09	0.00	0.00	76.40	0.00	73.84	3735.97
2-Oct-21	78.02	57.01	230.25	0.10	0.00	0.00	78.93	0.00	74.53	3593.79
3-Oct-21	83.75	54.80	223.94	0.00	0.00	0.00	82.29	0.00	67.69	3526.37
4-Oct-21	66.40	51.90	230.95	0.00	0.00	0.00	96.91	0.00	74.39	3699.16
5-Oct-21	60.93	46.52	234.43	0.03	0.00	0.00	75.31	0.00	76.31	3750.27
6-Oct-21	67.30	43.55	257.09	0.16	0.00	0.00	68.00	0.00	74.26	3767.42
7-Oct-21	65.14	44.41	264.41	0.00	0.00	0.00	64.95	0.00	66.48	3753.74
8-Oct-21	59.65	44.51	254.45	0.00	0.00	0.00	53.64	0.00	68.74	3736.24
9-Oct-21	54.88	46.54	265.41	0.00	0.00	0.00	76.75	0.00	68.87	3680.61
10-Oct-21	50.36	46.03	267.34	0.00	0.00	0.00	85.72	0.00	65.32	3579.71
11-Oct-21	53.64	47.76	264.56	0.00	0.00	0.00	86.01	0.00	65.49	3742.76
12-Oct-21	56.54	44.67	281.82	0.00	0.00	0.00	74.95	0.00	69.43	3774.08
13-Oct-21	65.26	46.46	279.71	0.00	0.00	0.00	68.67	0.00	69.81	3752.49
14-Oct-21	69.76	46.76	264.04	0.00	0.00	0.00	83.27	0.00	72.69	3673.81
15-Oct-21	79.13	48.42	257.31	0.00	0.00	0.00	65.64	0.00	71.56	3554.65
16-Oct-21	85.50	44.28	229.88	0.00	0.00	0.00	64.36	0.00	70.13	3633.21
17-Oct-21	89.83	38.73	175.97	0.00	0.00	0.00	71.70	0.00	75.48	3433.85
18-Oct-21	91.91	38.73	164.55	0.00	0.00	0.00	53.94	0.00	75.75	3302.70
19-Oct-21	103.46	37.12	162.68	0.00	0.00	0.00	65.91	0.00	70.36	3476.70
20-Oct-21	72.99	50.79	200.01	0.00	0.00	0.00	78.12	0.00	72.41	3573.76
21-Oct-21	79.01	51.05	204.79	0.00	0.00	0.00	69.77	0.00	74.89	3550.58
22-Oct-21	79.00	49.26	191.59	0.00	0.00	0.00	66.67	0.00	71.46	3535.97
23-Oct-21	85.50	47.51	181.66	0.00	0.00	0.00	57.70	0.00	72.34	3527.16
24-Oct-21	83.92	47.73	155.22	0.00	0.00	0.00	45.23	0.00	73.66	3354.11
25-Oct-21	86.03	47.02	156.27	0.00	0.00	0.00	40.91	0.00	67.07	3475.71
26-Oct-21	91.51	48.19	161.02	0.00	0.00	0.00	47.82	0.00	63.88	3514.38
27-Oct-21	93.41	52.70	173.74	0.00	3.95	0.00	48.23	0.00	65.19	3467.00
28-Oct-21	100.89	46.98	158.47	0.00	3.28	0.00	34.53	0.00	64.50	3448.95
29-Oct-21	105.06	44.22	143.94	0.00	4.65	0.00	47.43	0.00	67.08	3463.74
30-Oct-21	97.18	50.59	172.33	0.00	2.48	0.00	28.16	0.00	64.54	3403.55
31-Oct-21	94.32	51.19	115.18	0.00	5.06	0.00	41.23	0.00	62.52	3321.44
Total	2433.85	1459.17	6568.31	0.37	19.41	0.00	1999.17	0.00	2170.68	110803.88

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.

**Table-26(a): PRICE OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh),
OCTOBER 2021**

Market Segment	Day ahead market of IEX			Day ahead market of PXIL			Green Day ahead market of IEX			Green Day ahead market of PXIL			
	Date	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*
1-Oct-21	2.98	20.00	7.16	3.45	6.00	4.50	-	-	-	-	-	-	-
2-Oct-21	3.04	20.00	7.84	3.65	19.50	9.10	-	-	-	-	-	-	-
3-Oct-21	2.84	16.00	6.41	-	-	-	-	-	-	-	-	-	-
4-Oct-21	3.50	20.00	9.37	-	-	-	-	-	-	-	-	-	-
5-Oct-21	6.52	20.00	11.90	4.99	4.99	4.99	-	-	-	-	-	-	-
6-Oct-21	5.65	20.00	14.03	7.99	10.00	9.99	-	-	-	-	-	-	-
7-Oct-21	8.52	20.00	12.89	-	-	-	-	-	-	-	-	-	-
8-Oct-21	10.52	20.00	14.89	-	-	-	-	-	-	-	-	-	-
9-Oct-21	7.00	20.00	16.08	-	-	-	-	-	-	-	-	-	-
10-Oct-21	6.00	20.00	13.43	-	-	-	-	-	-	-	-	-	-
11-Oct-21	7.00	20.00	16.55	-	-	-	-	-	-	-	-	-	-
12-Oct-21	10.09	20.00	15.93	-	-	-	-	-	-	-	-	-	-
13-Oct-21	6.70	20.00	13.51	-	-	-	-	-	-	-	-	-	-
14-Oct-21	6.70	20.00	14.19	-	-	-	-	-	-	-	-	-	-
15-Oct-21	2.86	20.00	10.60	-	-	-	-	-	-	-	-	-	-
16-Oct-21	2.95	16.00	6.53	-	-	-	-	-	-	-	-	-	-
17-Oct-21	1.50	9.00	4.79	-	-	-	-	-	-	-	-	-	-
18-Oct-21	2.00	8.50	3.89	-	-	-	-	-	-	-	-	-	-
19-Oct-21	2.20	9.00	4.25	-	-	-	-	-	-	-	-	-	-
20-Oct-21	2.95	20.00	5.60	-	-	-	-	-	-	-	-	-	-
21-Oct-21	3.15	20.00	6.33	-	-	-	-	-	-	-	-	-	-
22-Oct-21	2.94	16.00	4.31	-	-	-	-	-	-	-	-	-	-
23-Oct-21	2.70	20.00	5.41	-	-	-	-	-	-	-	-	-	-
24-Oct-21	2.00	8.00	3.26	-	-	-	-	-	-	-	-	-	-
25-Oct-21	2.00	12.55	3.77	-	-	-	-	-	-	-	-	-	-
26-Oct-21	2.00	9.00	3.75	-	-	-	-	-	-	-	-	-	-
27-Oct-21	2.00	10.00	4.31	-	-	-	3.49	18.70	4.32	-	-	-	-
28-Oct-21	1.75	10.00	3.42	-	-	-	3.50	10.20	3.91	-	-	-	-
29-Oct-21	2.00	8.00	3.69	-	-	-	3.40	6.10	3.77	-	-	-	-
30-Oct-21	2.20	6.70	3.59	-	-	-	3.40	6.34	3.70	-	-	-	-
31-Oct-21	1.00	3.50	2.49	-	-	-	3.49	6.34	3.65	-	-	-	-
	1.00#	20.00#	9.15	3.45#	19.50#	8.05	3.40#	18.70#	3.87	-	-	-	-

Source: IEX and PXIL

Note: GDAM was introduced on only IEX from 27th October 2021 onwards

* 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-26(b): PRICE OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh), OCTOBER 2021

Market Segment	Real Time market of IEX			Real Time market of PXIL			Under Drawl/Over Drawl from the Grid (DSM)		
	Date	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*	All India Grid	
Minimum Price								Maximum Price	Average Price**
1-Oct-21	3.76	20.00	8.31	-	-	-	0.00	8.00	5.44
2-Oct-21	2.49	19.50	7.59	-	-	-	0.00	7.96	5.29
3-Oct-21	2.42	13.62	4.62	-	-	-	0.00	8.00	5.17
4-Oct-21	4.10	20.00	10.43	-	-	-	0.00	8.00	7.35
5-Oct-21	4.13	20.00	13.83	-	-	-	0.00	8.00	7.62
6-Oct-21	6.00	20.00	11.82	-	-	-	0.00	8.00	7.00
7-Oct-21	8.00	20.00	14.13	-	-	-	3.20	8.00	7.90
8-Oct-21	7.00	20.00	15.67	-	-	-	0.00	8.00	7.62
9-Oct-21	3.33	20.00	12.49	-	-	-	0.00	8.00	7.12
10-Oct-21	1.59	13.00	5.72	-	-	-	0.00	8.00	4.83
11-Oct-21	1.50	20.00	11.07	-	-	-	0.00	8.00	7.08
12-Oct-21	1.99	20.00	13.28	-	-	-	1.60	8.00	7.32
13-Oct-21	2.50	20.00	12.45	-	-	-	0.00	8.00	6.87
14-Oct-21	3.10	20.00	7.29	-	-	-	0.00	8.00	5.97
15-Oct-21	2.60	7.96	4.05	-	-	-	0.00	8.00	5.35
16-Oct-21	2.19	20.00	5.46	-	-	-	0.00	8.00	6.09
17-Oct-21	1.96	7.00	3.72	-	-	-	0.00	7.79	3.32
18-Oct-21	0.50	4.80	2.65	-	-	-	0.00	8.00	3.27
19-Oct-21	1.71	20.00	4.92	-	-	-	0.00	8.00	4.76
20-Oct-21	2.78	9.87	4.22	-	-	-	0.00	8.00	3.82
21-Oct-21	1.90	6.50	3.34	-	-	-	0.00	8.00	4.54
22-Oct-21	1.96	7.00	3.54	-	-	-	0.00	8.00	4.16
23-Oct-21	1.80	4.50	3.10	-	-	-	0.00	8.00	4.88
24-Oct-21	1.59	4.28	2.51	-	-	-	0.00	7.09	3.16
25-Oct-21	1.55	4.28	3.10	-	-	-	0.00	8.00	3.27
26-Oct-21	2.40	2.60	2.50	-	-	-	0.00	8.00	2.85
27-Oct-21	1.90	6.00	3.18	-	-	-	0.00	6.41	3.21
28-Oct-21	1.93	5.00	3.08	-	-	-	0.00	6.56	3.45
29-Oct-21	2.34	7.89	3.78	-	-	-	0.00	7.41	3.38
30-Oct-21	1.98	6.00	3.22	-	-	-	0.00	8.00	2.98
31-Oct-21	1.50	3.68	2.64	-	-	-	0.00	8.00	3.51
	0.50#	20.00#	7.21	-	-	-	0.00#	8.00#	5.12

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.

Maximum/Minimum in the month

Table-27: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY*-WISE) (MUs), OCTOBER 2021

Name of the Entity	Through Bilateral			Through Power Exchange (DAM + GDAM + RTM)			Through DSM with Regional Grid			Total Net ***
	Sale	Purchase	Net**	Sale	Purchase	Net**	Import (Over Draw)	Export (Under Draw)	Net**	
PUNJAB	0.00	79.00	79.00	0.73	525.49	524.77	28.07	74.74	-46.67	557.10
HARYANA	1.15	489.07	487.92	7.46	705.69	698.24	57.95	74.04	-16.09	1170.07
RAJASTHAN	2.30	81.29	78.99	215.48	322.39	106.91	108.33	53.68	54.64	240.55
DELHI	176.17	135.39	-40.78	242.06	124.80	-117.26	13.70	33.00	-19.30	-177.34
UTTAR PRADESH	0.37	159.73	159.36	124.71	418.24	293.53	82.81	77.03	5.78	458.67
UTTARAKHAND	50.42	115.05	64.63	1.88	16.55	14.66	20.61	23.86	-3.25	76.05
HIMACHAL PRADESH	85.25	97.20	11.94	276.24	14.15	-262.09	41.73	6.36	35.36	-214.78
J & K	116.99	0.00	-116.99	112.45	115.97	3.52	39.20	26.37	12.83	-100.64
CHANDIGARH	0.00	0.00	0.00	18.71	1.15	-17.56	6.65	13.08	-6.43	-23.99
MP	34.63	182.54	147.90	368.07	109.85	-258.22	39.49	69.21	-29.73	-140.05
MAHARASHTRA	11.59	709.04	697.45	123.98	455.27	331.29	45.46	92.25	-46.79	981.95
GUJARAT	121.62	541.02	419.40	148.61	2212.67	2064.06	104.35	54.92	49.43	2532.89
CHHATTISGARH	0.00	98.54	98.54	285.02	64.78	-220.24	29.90	19.88	10.02	-111.67
GOA	0.00	16.75	16.75	14.22	12.96	-1.26	7.20	16.35	-9.15	6.34
DAMAN AND DIU	0.00	0.84	0.84	0.00	7.88	7.88	13.45	0.99	12.45	21.18
DADRA & NAGAR HAVELI	0.00	11.19	11.19	0.58	90.50	89.93	10.42	4.01	6.41	107.53
ANDHRA PRADESH	3.84	30.71	26.87	37.58	1163.86	1126.29	68.62	42.02	26.61	1179.76
KARNATAKA	213.17	19.28	-193.90	630.53	21.21	-609.31	31.59	84.57	-52.97	-856.18
KERALA	19.66	0.00	-19.66	209.98	16.21	-193.77	42.27	74.29	-32.01	-245.44
TAMIL NADU	0.00	16.00	16.00	33.88	1108.47	1074.59	14.44	36.24	-21.81	1068.78
PONDICHERRY	0.00	0.00	0.00	0.00	0.00	0.00	85.91	54.81	31.11	31.11
TELANGANA	71.93	113.70	41.77	778.22	93.39	-684.82	3.02	1.80	1.22	-641.84
WEST BENGAL	48.21	183.07	134.85	673.14	58.65	-614.49	28.80	45.89	-17.09	-496.74
ODISHA	22.06	375.60	353.54	467.54	143.44	-324.10	22.44	33.31	-10.87	18.57
BIHAR	0.45	102.77	102.32	245.65	181.39	-64.26	20.34	68.12	-47.78	-9.72
JHARKHAND	0.00	155.95	155.95	13.45	10.30	-3.15	11.58	25.07	-13.50	139.30
SIKKIM	27.20	24.66	-2.54	23.82	0.31	-23.52	4.04	4.67	-0.63	-26.68
DVC	192.33	6.44	-185.89	1.01	216.41	215.41	18.24	72.68	-54.43	-24.92
ARUNACHAL PRADESH	4.86	0.00	-4.86	23.45	0.10	-23.35	7.52	1.67	5.85	-22.35
ASSAM	0.00	22.92	22.92	82.33	180.45	98.13	15.99	12.04	3.95	125.00
MANIPUR	0.00	0.00	0.00	15.79	2.50	-13.29	3.36	2.32	1.04	-12.24
MEGHALAYA	2.17	0.00	-2.17	18.53	3.69	-14.84	4.01	4.74	-0.73	-17.74
MIZORAM	0.00	0.00	0.00	15.55	0.00	-15.55	1.01	4.71	-3.70	-19.25
NAGALAND	0.00	0.00	0.00	3.96	0.00	-3.96	2.54	2.09	0.44	-3.52
TRIPURA	0.00	0.00	0.00	25.51	3.44	-22.07	4.17	11.15	-6.98	-29.05
NTPC STNS-NR	0.00	0.00	0.00	16.44	0.00	-16.44	81.03	49.28	31.75	15.31
NHPC STNS	0.00	0.00	0.00	0.00	0.00	0.00	15.91	101.77	-85.86	-85.86
NFF	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.23	0.00	0.00
RAIL	0.00	0.00	0.00	0.00	8.06	8.06	20.21	1.62	18.59	26.64
NEP	0.00	0.00	0.00	0.00	0.00	0.00	1.75	0.03	1.71	1.71
NAPP	0.00	0.00	0.00	0.00	0.00	0.00	5.14	2.65	2.49	2.49
RAP B	0.00	0.00	0.00	0.00	0.00	0.00	0.56	2.00	-1.44	-1.44
NJPC	0.00	0.00	0.00	0.00	0.00	0.00	3.25	12.21	-8.96	-8.96
TEHRI	0.00	0.00	0.00	0.00	0.00	0.00	3.17	11.29	-8.12	-8.12
BBMB	0.00	0.00	0.00	0.00	0.00	0.00	3.83	15.28	-11.45	-11.45
RAP C	0.00	0.00	0.00	0.00	0.00	0.00	3.70	0.28	3.42	3.42
AD HYDRO	0.00	0.00	0.00	33.16	0.00	-33.16	0.71	1.90	-1.19	-34.35
IGSTPS	0.00	0.00	0.00	0.00	0.00	0.00	7.38	2.37	5.01	5.01
KOTESHWAR	0.00	0.00	0.00	0.00	0.00	0.00	1.43	3.95	-2.52	-2.52
KARCHAM WANGTOO	0.00	0.00	0.00	39.45	0.00	-39.45	5.76	7.96	-2.20	-41.65
SHREE CEMENT	0.00	0.00	0.00	100.13	0.00	-100.13	2.89	0.79	2.10	-98.03
LANCO BUDHIL	0.00	0.00	0.00	1.88	0.00	-1.88	0.66	0.56	0.09	-1.78
RAMPUR HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.64	9.29	-8.65	-8.65
SORANG HEP	0.00	0.00	0.00	10.65	0.00	-10.65	0.64	0.52	0.12	-10.53
SAINJ HEP	0.00	0.00	0.00	30.37	0.00	-30.37	0.45	1.64	-1.19	-31.56

RENEW_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.44	0.38	0.07	0.07
AZURE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.15	2.63	-1.48	-1.48
SB_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.80	1.79	0.00	0.00
ACME_SLR	45.40	0.00	-45.40	0.00	0.00	0.00	1.74	3.84	-2.10	-47.50
AZURE34_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.47	0.76	0.71	0.71
TATA_SLR	30.59	0.00	-30.59	0.00	0.00	0.00	6.25	0.63	5.62	-24.97
RENEW_SLR_BKN	44.96	0.00	-44.96	0.00	0.00	0.00	2.86	2.19	0.68	-44.29
CLEAN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	5.91	1.89	4.02	4.02
ARERJL_SLR	46.92	0.00	-46.92	0.00	0.00	0.00	4.11	0.95	3.16	-43.76
ADANI GREEN	0.00	0.00	0.00	2.82	0.00	-2.82	0.00	0.00	0.00	-2.82
ASEJTL_SLR	8.59	0.00	-8.59	0.00	0.00	0.00	0.61	0.75	-0.14	-8.73
SINGOLI BHATWARI HE	0.00	0.00	0.00	48.03	0.00	-48.03	0.59	0.76	-0.17	-48.20
AZURE43_SLR	13.01	0.00	-13.01	2.59	0.00	-2.59	3.60	4.93	-1.34	-16.94
MRPL	47.04	0.00	-47.04	0.00	0.00	0.00	2.63	5.29	-2.66	-49.69
SB6_POKARAN	0.00	0.00	0.00	0.00	0.00	0.00	1.85	3.12	-1.27	-1.27
EDEN_SLR	9.93	0.00	-9.93	0.00	0.00	0.00	1.42	3.58	-2.16	-12.09
SBSR_SLR	9.61	0.00	-9.61	0.00	0.00	0.00	0.34	4.69	-4.35	-13.96
RENEWSW_SLR	1.01	0.00	-1.01	1.49	0.00	-1.49	1.54	3.91	-2.37	-4.87
ADANIHB_SLR	42.58	0.00	-42.58	12.39	0.00	-12.39	0.94	55.11	-54.172	-109.138
RENEWJH_SLR	0.00	0.00	0.00	0.18	0.00	-0.18	1.53	3.27	-1.74	-1.92
ADANIHB_WIND	0.10	0.00	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	-0.10
ADANI_SLR 4	10.98	0.00	-10.98	0.00	0.00	0.00	0.00	0.00	0.00	-10.98
AHEJOL_S_FTG2	19.10	0.00	-19.10	0.00	0.00	0.00	0.00	0.00	0.00	-19.10
AHEJOL_W_FTG2	5.34	0.00	-5.34	0.00	0.00	0.00	0.00	0.00	0.00	-5.34
AHEJ2L_SLR	8.19	0.00	-8.19	1.02	0.00	-1.02	0.00	0.00	0.00	-9.21
AHEJ3L_SLR	8.41	0.00	-8.41	0.94	0.00	-0.94	0.00	0.00	0.00	-9.35
NTPC STNS-WR	0.00	0.00	0.00	13.33	0.00	-13.33	138.09	93.07	45.02	31.69
BHADRAVATHI HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.03	0.03	0.03
VINDHYACHAL HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	-0.14	-0.14
JINDAL POWER	141.30	0.00	-141.30	213.92	0.18	-213.74	3.08	4.91	-1.82	-356.87
LANKO_AMK	5.58	0.00	-5.58	0.00	0.00	0.00	0.07	4.48	-4.41	-9.99
NSPCL	0.00	0.00	0.00	0.00	0.00	0.00	2.86	1.63	1.23	1.23
ACBIL	0.00	0.00	0.00	84.21	0.00	-84.21	1.18	5.74	-4.56	-88.77
BALCO	0.00	33.88	33.88	0.00	10.09	10.09	8.94	2.12	6.82	50.80
RGPPL	0.00	0.00	0.00	0.39	0.00	-0.39	4.87	2.03	2.83	2.44
CGPL	0.00	0.00	0.00	0.25	0.00	-0.25	13.99	2.66	11.34	11.08
DCPP	0.00	0.00	0.00	0.00	0.00	0.00	0.36	0.64	-0.28	-0.28
EMCO	24.24	0.00	-24.24	11.18	0.00	-11.18	2.16	1.24	0.92	-34.50
KSK MAHANADI	0.00	0.00	0.00	0.00	0.00	0.00	1.14	2.70	-1.56	-1.56
ESSAR POWER	10.78	0.00	-10.78	205.53	0.00	-205.53	0.41	1.96	-1.55	-217.86
JINDAL STAGE-II	10.63	0.00	-10.63	84.93	0.00	-84.93	3.77	3.24	0.53	-95.03
DB POWER	153.23	0.00	-153.23	72.05	0.00	-72.05	5.45	1.14	4.31	-220.97
DHARIWAL POWER	0.00	0.00	0.00	0.73	0.00	-0.73	0.90	0.17	0.73	0.00
JAYPEE NIGRIE	151.86	0.00	-151.86	173.68	0.00	-173.68	0.38	4.83	-4.45	-329.98
DGEN MEGA POWER	0.00	0.00	0.00	23.28	0.00	-23.28	1.23	0.58	0.65	-22.63
MB POWER	120.47	0.00	-120.47	152.23	0.00	-152.23	9.96	5.44	4.52	-268.18
MARUTI COAL	0.00	0.00	0.00	45.04	0.00	-45.04	0.00	0.00	0.00	-45.04
JHABUA POWER_MP	2.32	0.00	-2.32	5.00	0.12	-4.88	6.34	0.67	5.67	-1.53
SASAN UMPP	0.00	0.00	0.00	42.58	0.00	-42.58	1.57	49.59	-48.02	-90.60
TRN ENERGY	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.13	0.13
RKM POWER	132.97	0.00	-132.97	112.44	0.00	-112.44	3.11	8.03	-4.91	-250.32
SKS POWER	152.42	0.00	-152.42	0.32	0.00	-0.32	1.73	1.44	0.29	-152.45
BARC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.44	-3.44	-3.44
KAPP 3&4	0.00	0.00	0.00	0.00	0.00	0.00	8.04	0.00	8.04	8.04
HVDC CHAMPA	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.00	0.51	0.51
MAHINDRA_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.07	2.90	1.17	1.17
ARINSUM_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.84	3.28	1.56	1.56
OSTRO	0.00	0.00	0.00	0.00	0.00	0.00	2.98	10.68	-7.70	-7.70
ACME_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	3.74	2.92	0.81	0.81
RENEW_BHACHAU	0.00	0.00	0.00	0.00	0.00	0.00	3.93	11.48	-7.55	-7.55
GIWEL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	6.09	18.37	-12.28	-12.28
INOX_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	3.01	3.89	-0.88	-0.88
AGEMPL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	7.31	10.86	-3.55	-3.55

REGL	118.68	0.00	-118.68	137.84	0.00	-137.84	0.00	0.00	0.00	-256.53
RPREL	367.79	0.00	-367.79	195.16	0.00	-195.16	3.47	6.37	-2.90	-565.85
AMPS Hazira	0.00	91.41	91.41	0.00	166.20	166.20	22.58	22.91	-0.33	257.29
HVDC RAIGARH	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.20	-0.11	-0.11
RGPPL_IR	0.00	0.00	0.00	4.74	0.00	-4.74	0.00	0.00	0.00	-4.74
RGPPL_Others	0.00	0.00	0.00	3.10	0.00	-3.10	0.00	0.00	0.00	-3.10
ALFANAR_BHUI	0.00	0.00	0.00	0.00	0.00	0.00	2.07	11.21	-9.13	-9.13
RENEW_BHUI	0.00	0.00	0.00	0.00	0.00	0.00	4.63	10.73	-6.10	-6.10
ADANI_WIND	9.72	0.00	-9.72	1.93	0.00	-1.93	0.00	0.00	0.00	-11.65
CONTINUM PT	0.94	0.00	-0.94	0.18	0.00	-0.18	0.00	0.00	0.00	-1.12
TPREL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.70	0.96	0.96
ESPL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	3.10	1.31	1.79	1.79
GIPCL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	2.01	0.69	1.32	1.32
NTPC STATIONS-SR	0.00	0.00	0.00	265.32	0.00	-265.32	6.79	44.58	-37.79	-303.12
LANKO KONDAPALLI	0.00	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.56	0.56
SIMHAPURI	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.46	0.46
MEENAKSHI	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.00	0.70	0.70
COASTGEN	51.30	0.00	-51.30	28.91	0.00	-28.91	3.51	0.58	2.93	-77.29
THERMAL POWERTECH	0.00	0.00	0.00	0.00	0.00	0.00	13.29	0.99	12.30	12.30
IL&FS	16.00	0.00	-16.00	3.01	0.00	-3.01	6.49	0.15	6.35	-12.66
NLC	0.00	0.00	0.00	76.02	0.00	-76.02	24.14	15.74	8.40	-67.62
SEMBCORP	187.87	0.00	-187.87	327.78	0.00	-327.78	8.04	1.53	6.51	-509.14
NETCL VALLUR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.88	-7.88	-7.88
NTPL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.88	-7.88	-7.88
AHSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.93	0.33	0.33
AKSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.07	0.12	0.12
ABSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.24	0.92	0.32	0.32
AZURE_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.89	1.07	-0.17	-0.17
TATA_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	2.02	2.16	-0.13	-0.13
FRV_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.09	0.91	0.18	0.18
NTPC_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	4.92	3.40	1.52	1.52
GIWEL_TCN	0.00	0.00	0.00	0.00	0.00	0.00	13.08	5.88	7.20	7.20
MYTRAH_TCN	0.00	0.00	0.00	0.00	0.00	0.00	12.76	2.96	9.81	9.81
FRV_NPK	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.07	0.01	0.01
ORANGE_TCN	0.00	0.00	0.00	0.00	0.00	0.00	9.55	7.29	2.26	2.26
BETAM_TCN	0.00	0.00	0.00	0.00	0.00	0.00	4.56	8.54	-3.98	-3.98
SBG_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	5.09	3.75	1.35	1.35
SBG_NPK	0.00	0.00	0.00	0.00	0.00	0.00	6.61	4.53	2.08	2.08
FORTUM1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.27	1.79	0.48	0.48
PARAM_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	3.88	2.31	1.57	1.57
YARROW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.19	0.97	0.21	0.21
TATA_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	9.01	6.72	2.30	2.30
RENEW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.53	0.86	0.67	0.67
AKS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.95	0.21	0.21
ARS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.89	1.13	-0.25	-0.25
AVAADA1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	3.39	2.87	0.51	0.51
ADY1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.27	-0.19	-0.19
ADY2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.11	1.02	0.09	0.09
ADY13_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.36	-0.27	-0.27
ADY3_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.09	1.18	-0.09	-0.09
ADY6_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.17	1.12	0.06	0.06
ADY10_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.36	-0.33	-0.33
AZURE_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.11	2.28	-0.17	-0.17
FORTUM2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	4.46	5.50	-1.04	-1.04
AVAADA2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.61	2.95	-0.34	-0.34
KREDL_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.07	-0.07	-0.07
AYANA_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	4.17	5.64	-1.47	-1.47
SPRNG_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	3.60	6.72	-3.12	-3.12
SPRING_PUGALUR	0.00	0.00	0.00	0.00	0.00	0.00	8.25	8.56	-0.30	-0.30
OSTRO Hiriyr	0.00	0.00	0.00	0.00	0.00	0.00	3.84	1.71	2.13	2.13
NTPC STNS-ER	0.00	0.00	0.00	3.01	0.00	-3.01	40.56	37.85	2.70	-0.30
MAITHON POWER LTD	0.00	0.00	0.00	0.08	0.00	-0.08	3.15	8.17	-5.02	-5.10
NPGC	0.00	0.00	0.00	0.00	0.00	0.00	9.13	5.29	3.84	3.84

ADHUNIK POWER LTD	131.09	0.00	-131.09	22.88	0.00	-22.88	2.10	1.77	0.33	-153.63
CHUZACHEN HEP	0.00	0.00	0.00	7.46	0.00	-7.46	1.09	1.41	-0.31	-7.77
RANGIT HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.34	0.30	0.30
GMR KAMALANGA	2.73	0.00	-2.73	45.93	0.00	-45.93	2.27	4.98	-2.72	-51.38
JITPL	199.01	0.00	-199.01	40.64	0.00	-40.64	7.53	0.74	6.79	-232.86
TEESTA HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.06	5.29	-5.23	-5.23
DAGACHU	70.55	0.00	-70.55	0.00	0.00	0.00	12.45	0.57	11.87	-58.68
JORETHANG	25.54	0.00	-25.54	38.28	0.34	-37.94	6.93	0.18	6.75	-56.73
NEPAL(NVVN)	0.00	0.00	0.00	0.00	0.01	0.01	39.50	1.54	37.96	37.97
BANGLADESH	0.00	0.00	0.00	0.00	0.00	0.00	2.47	0.57	1.90	1.90
HVDC PUS	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.04	-0.03	-0.03
TEESTA STG3	121.78	0.00	-121.78	373.46	0.00	-373.46	12.66	0.60	12.06	-483.19
DIKCHU HEP	21.49	0.00	-21.49	23.99	0.00	-23.99	0.81	1.81	-1.00	-46.48
HVDC ALPD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.26	-0.26	-0.26
TASHIDENG HEP	26.18	0.00	-26.18	39.70	0.08	-39.62	6.13	0.72	5.41	-60.39
BRBCL,NABINAGAR	0.00	0.00	0.00	0.04	0.00	-0.04	4.47	6.30	-1.83	-1.87
MTPS II	0.00	0.00	0.00	0.00	0.00	0.00	4.41	2.07	2.33	2.33
TALA HEP	0.00	0.00	0.00	0.00	0.00	0.00	166.44	0.45	165.99	165.99
CHUKHA HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.23	106.07	-105.84	-105.84
KURICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	8.41	0.62	7.79	7.79
MANGDECHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	8.42	9.21	-0.78	-0.78
RONGNICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.92	-0.42	-0.42
NTPC STATIONS-NER	0.00	0.00	0.00	27.86	0.00	-27.86	5.40	2.55	2.85	-25.01
NEEPCO STATIONS	51.25	0.00	-51.25	111.33	0.00	-111.33	2.00	7.18	-5.18	-167.76
RANGANADI HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.96	1.94	-0.98	-0.98
DOYANG HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.43	-0.15	-0.15
ONGC PALATANA	28.40	0.00	-28.40	25.88	0.00	-25.88	2.37	2.12	0.25	-54.03
LOKTAK	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.61	-0.31	-0.31
PARE HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.75	-0.52	-0.52

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