

Monthly Report on Short-term Transactions of Electricity in India

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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)
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	DoyangHydro 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	GMRKamalanga Energy Ltd.
G-TAM	Green Term Ahead Market
HVDC ALPD	AlipurduarHigh Voltage Direct Current Link
HVDC CHAMPA	Champa-Kurukshetra High Voltage Direct Current Link
HVDC PUS	PasauliHigh Voltage Direct Current Link
HVDC RAIGARH	Raigarh-PugalurHigh 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_BHUI	ReNew Power Limited, Bhuj
RENEW_PVGD	ReNew Wind Energy (TN2) Private Limited
RENEW_SLR	Renew Solar

RENEW_SLR_BKN	Renew Solar Bikaner
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	RongnichuHydro 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 SixPrivate 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	SembcorpGayatri 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 **August 2021** is presented in the following sections.

2. Volume of Short-term Transactions of Electricity

2.1. During August 2021, total electricity generation, excluding generation from renewable and captive power plants in India was 120778.01 MU (Table-1). Of the total electricity generation, 15.28% was transacted through short-term, comprising of 7.05% through Day Ahead Market (DAM) and Real Time Market (RTM) of power exchanges, followed by 6.31% through bilateral (through traders and term-ahead contracts on power exchanges and directly between distribution companies) and 1.92% through DSM (Table-1 & Figure-1).

2.2. Of the total short-term transactions (18460.73 MU), 46.12% was transacted through DAM and RTM of power exchanges, followed by 41.31% through bilateral (30.00% through traders and term-ahead contracts on power exchanges, and 11.30% directly between distribution companies) and 12.58% 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, 67.43% of the volume was transacted in DAM, followed by 18.84% in RTM and 13.72% 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 registered as on August 2021. Of which, 27 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 82.31% 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 0.2395 for the month of August 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 6648.76 MU and 5.12 MU respectively. The volume of total buy bids and sell bids was 9221.21 MU and 8816.89 MU respectively in IEX, while the same was 22.31 MU and 144.65 MU respectively in PXIL.

2.7. The volume of electricity transacted in the RTM of IEX was 1859.46 MU, while no electricity was transacted in the RTM of PXIL. The volume of total buy bids and sell bids was 2829.19 MU and 3138.78 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 617.22 MU and 238.64 MU respectively (Table-7 & Table-8). The volume of electricity transacted in the Green Term Ahead Market (G-TAM) of IEX and PXIL was 465.65 MU and 32.80 MU 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 ₹ 2.71/kWh, ₹8.56/kWh and ₹3.60/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 ₹3.54/kWh, ₹4.61/kWh and ₹4.11/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 ₹1.10/kWh, ₹20.00/kWh and ₹5.23/kWh respectively. These prices in the DAM of PXIL were ₹2.41/kWh, ₹8.99/kWh and ₹4.19/kWh respectively (Table-5). The minimum, maximum and weighted average prices for the electricity transacted in the RTM of IEX were ₹0.80/kWh, ₹20.00/kWh and ₹5.07/kWh respectively (Table-6). The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹3.37/kWh and ₹5.10/kWh respectively (Table-7 and Table-8). The price of electricity transacted in the G-TAM of IEX and PXIL was ₹5.07/kWh and ₹4.32/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 ₹4.35/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 ₹0.020/kWh.

5. Volume of Short-term Transactions of Electricity (Regional Entity¹-Wise)

5.1. Of the total bilateral transactions, top 5 regional entities sold 37.51% of the volume. These were Himachal Pradesh, Raipur Energen Limited, Madhya Pradesh, Karnataka and Jindal India Thermal Power Ltd. (Table-12). Top 5 regional entities purchased 72.66% of the volume, and these were Haryana, Punjab, Delhi, Uttar Pradesh and West Bengal (Table-13).

5.2. Of the total DAM transactions of power exchanges, top 5 regional entities sold 36.03% of the volume, and these were Karnataka, Uttar Pradesh, Sembcorp Gayatri Power Ltd., Himachal Pradesh and Jindal Power (Table-14). Top 5 regional entities purchased 73.81% of the volume, and these were Gujarat, Punjab, Andhra Pradesh, Rajasthan and Maharashtra (Table-15).

5.3. Of the total RTM transactions of power exchanges, top 5 regional entities sold 45.63% of the volume, and these were Jammu & Kashmir, Telangana, Odisha, Uttar Pradesh and West Bengal (Table-16). Top 5 regional entities purchased 55.50% of the volume, and these were Rajasthan, Gujarat, Andhra Pradesh, Telangana and Uttar Pradesh (Table-17).

5.4. Of the total DSM transactions, top 5 regional entities under drew 23.98% of the volume, and these were NHPC Stations, Maharashtra, Uttar Pradesh, Pondicherry and Punjab (Table-18). Top 5 regional entities overdrew 29.83% of the volume, and these were NTPC Stations (Western Region), Rajasthan, Tala Hydroelectric Project Bhutan, NTPC Stations (Northern Region) and Punjab (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 Himachal Pradesh, Karnataka, Raipur Energen Limited, Sembcorp Gayatri Power Ltd. and Teesta Stage 3 Hydro Power Project. Top 5 electricity purchasing regional entities were Gujarat, Punjab, Haryana, Delhi and Andhra Pradesh.

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.

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 August 2021, congestion was experienced in DAM as well as RTM on IEX (Table-21).

6.3. In case of DAM on IEX, for a few days in August 2021, there was constraint in Import Margin for N3 area. But since only block buy bids were there and no sell bid, therefore power was required to be imported from outside the bid area. With partial execution of a block bid not being possible, some bids got rejected in entirety leading to difference between unconstrained cleared volume and actual cleared volume. But here the condition of market splitting did not occur and hence no congestion got reflected. Also, there was real time curtailment of 5.134 MUs on 6th August 2021. The volume of electricity that could not be cleared, in DAM on IEX, was 0.17% of the unconstrained cleared volume.

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.

6.4. The volume of electricity that could not be cleared, due to congestion, in RTM on IEX, was 0.50% of the unconstrained cleared volume. In terms of time, congestion occurred was 10.99% during the month in RTM on IEX (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 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 August 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:

- (1) The percentage of short-term transactions of electricity to total electricity generation was 15.28%.
- (2) Of the total short-term transactions (18460.73 MU), 46.12% was transacted through DAM and RTM of power exchanges, followed by 41.31% through bilateral (30.00% through traders and term-ahead contracts on power exchanges, and 11.30% directly between distribution companies) and 12.58% through DSM
- (3) Of the total volume of electricity transacted through power exchanges, 67.43% of the volume was transacted in DAM, followed by 18.84% in RTM and 13.72% in Term Ahead Market (TAM) (including G-TAM).

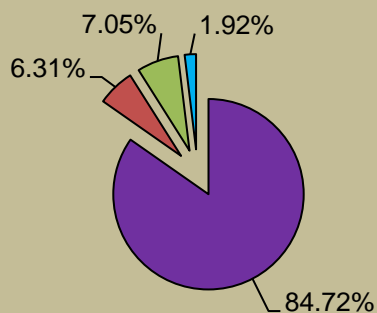
- (4) Top 5 trading licensees had a share of 82.31% in the total volume traded by all the trading licensees.
- (5) The Herfindahl Hirschman Index computed for the volume of electricity traded by trading licensees was 0.2395, indicating moderate concentration of market power.
- (6) The weighted average price of electricity transacted through trading licensees was ₹3.60/kWh.
- (7) The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹3.37/kWh and ₹5.10/kWh respectively. The weighted average price of electricity transacted in the G-TAM of IEX and PXIL was ₹5.07/kWh and ₹4.32/kWh respectively.
- (8) The weighted average price of electricity transacted in DAM of IEX and PXIL was ₹5.23/kWh and ₹4.19/kWh. The weighted average price of electricity transacted in RTM of IEX was ₹5.07/kWh. No electricity was transacted in the RTM of PXIL.
- (9) The average price of electricity transacted through DSM was ₹4.35/kWh.
- (10) The weighted average trading margin charged by the trading licensees for bilateral transactions was ₹0.020/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 Himachal Pradesh, Karnataka, Raipur Energen Limited, Sembcorp Gayatri Power Ltd. and Teesta Stage 3 Hydro Power Project. Top 5 electricity purchasing regional entities were Gujarat, Punjab, Haryana, Delhi and Andhra Pradesh.
- (12) During the month, congestion was experienced in DAM and RTM on IEX. The volume of electricity that could not be cleared, due to reasons additional to constraint, in DAM on IEX, was 0.17% of the unconstrained cleared volume. The volume of electricity that could not be cleared due to congestion, in RTM on IEX was 0.50% of the unconstrained cleared volume. In terms of time, congestion occurred was 10.99% 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.

Table-1: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (ALL INDIA), AUGUST 2021				
Sr.No	Short-term transactions	Volume (MU)	% to Volume of short-term transactions	% to Total Generation
1	Bilateral	7625.50	41.31	6.31
	(i) Through Traders and PXs	5538.92	30.00	4.59
	(ii) Direct	2086.57	11.30	1.73
2	Through Power Exchanges	8513.34	46.12	7.05
	(i) IEX			
	(a) DAM	6648.76	36.02	5.50
	(b) RTM	1859.46	10.07	1.54
	(ii)PXIL			
	(a) DAM	5.12	0.03	0.004
	(b) RTM	0.00	0.00	0.00
3	Through DSM	2321.90	12.58	1.92
	Total	18460.73	-	15.28
	Total Generation	120778.01	-	-

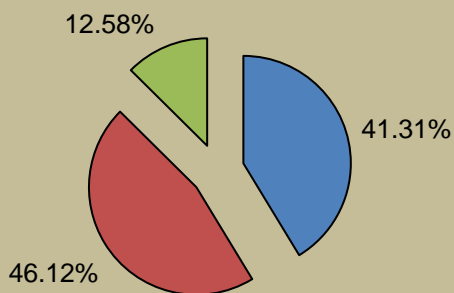
Source: NLDC

Figure-1: Volume of various kinds of Electricity Transactions in Total Electricity Generation, August 2021



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

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



■ Bilateral ■ Power Exchanges ■ DSM

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

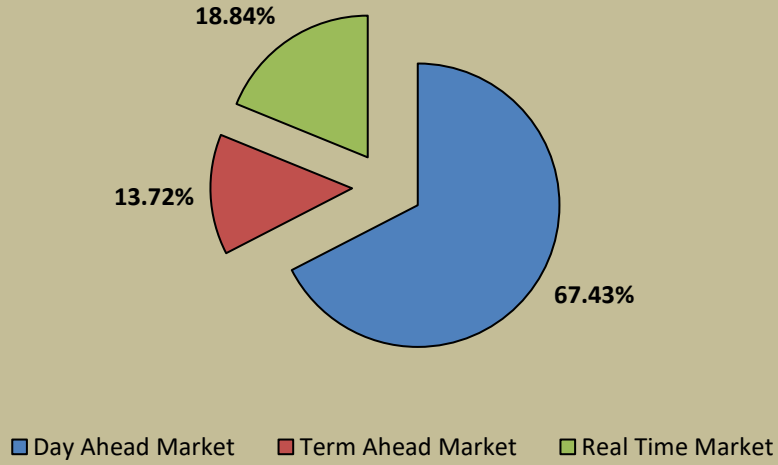


Figure-4: Volume of Short-term Transactions of Electricity, August 2021 (Day-wise)

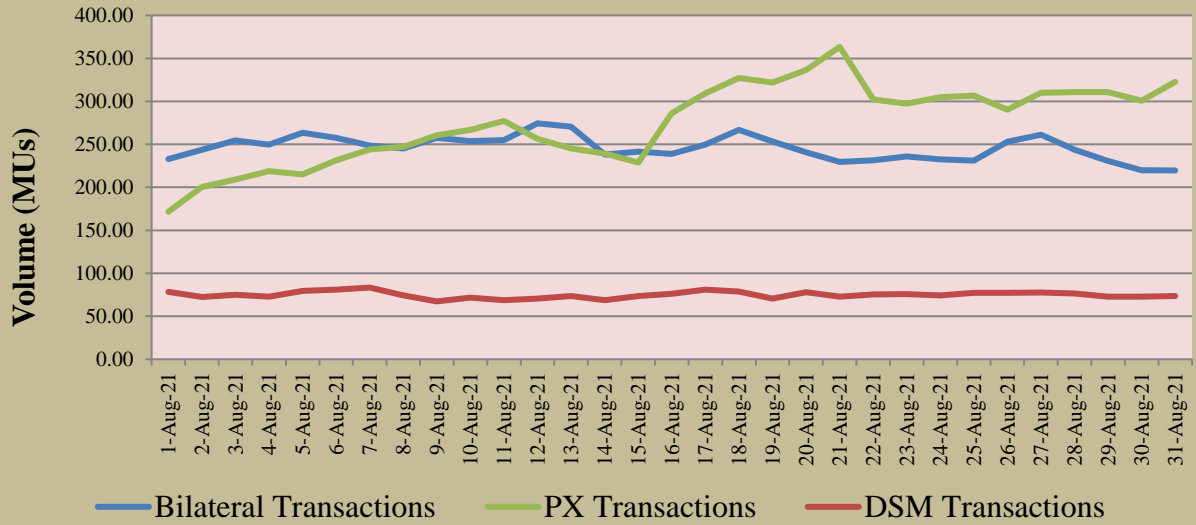


Table-2: PERCENTAGE SHARE OF ELECTRICITY TRANSACTED BY TRADING LICENSEES, AUGUST 2021			
Sr.No	Name of the Trading Licensee	% Share in total Volume transacted by Trading Licensees	Herfindahl-Hirschman Index
1	PTC India Ltd.	43.95	0.1932
2	Tata Power Trading Company (P) Ltd.	14.75	0.0217
3	NTPC Vidyut Vyapar Nigam Ltd.	9.76	0.0095
4	Manikaran Power Ltd.	8.41	0.0071
5	Adani Enterprises Ltd.	5.44	0.0030
6	Arunachal Pradesh Power Corporation (P) ltd	5.15	0.0026
7	GMR Energy Trading Ltd.	3.17	0.0010
8	Kreate Energy (I) Pvt. Ltd.	2.38	0.0006
9	Essar Electric Power Development Corp. Ltd.	2.28	0.0005
10	JSW Power Trading Company Ltd	0.94	0.0001
11	National Energy Trading & Services Ltd.	0.67	0.0000
12	Statkraft Markets Pvt. Ltd.	0.66	0.0000
13	NHPC Limited	0.47	0.0000
14	RPG Power Trading Company Ltd.	0.47	0.0000
15	Knowledge Infrastructure Systems (P) Ltd	0.45	0.0000
16	Greenko Energies Pvt Ltd	0.45	0.0000
17	Instinct Infra & Power Ltd.	0.25	0.0000
18	Abja Power Private Limited	0.15	0.0000
19	Shree Cement Ltd.	0.06	0.0000
20	Gita Power & Infrastructure Private Limited	0.04	0.0000
21	Refex Energy Limited	0.04	0.0000
22	NLC India Ltd.	0.04	0.0000
23	Customized Energy Solutions India (P) Ltd.	0.01	0.0000
24	Saranyu Power Trading Private Limited	0.01	0.0000
25	Phillip Commodities India (P) Ltd.	0.01	0.0000
26	Ambitious Power Trading Company Ltd.	0.003	0.0000
27	Altilium Energie Private Limited	0.002	0.0000
TOTAL		100.00%	0.2395
Top 5 trading licensees		82.31%	
<i>Note 1: Volume of electricity transacted by the trading licensees includes bilateral transactions (inter-state & intra-state) and the transactions undertaken through power exchanges.</i>			
<i>Note 2: Volume of electricity transacted by Global Energy Ltd. is not included.</i>			
<i>Source: Information submitted by trading licensees</i>			

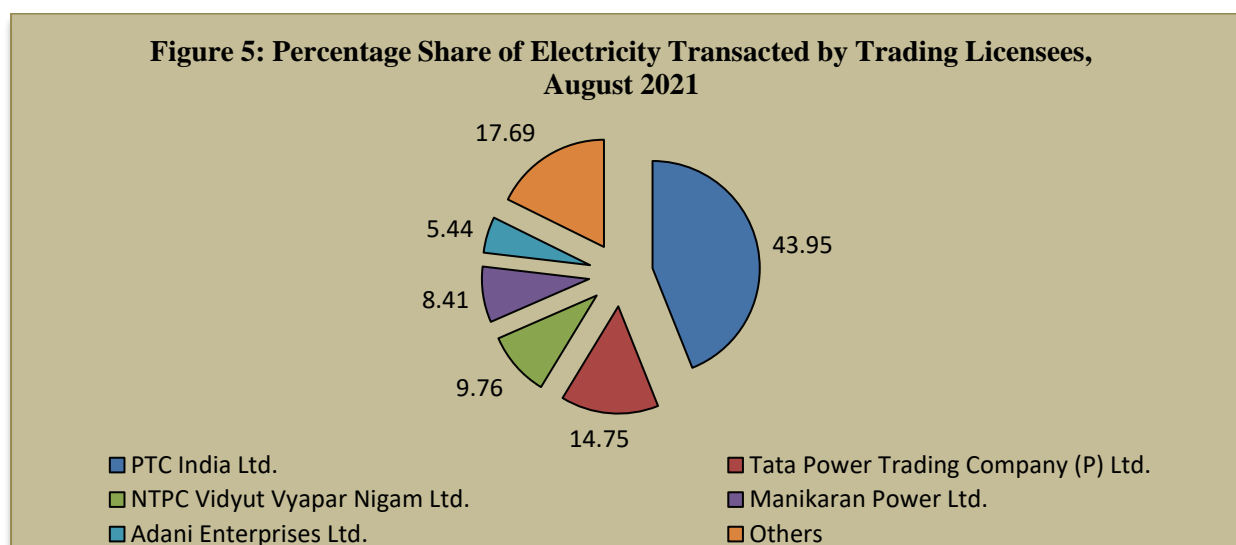


Table-3: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS, AUGUST 2021		
Sr.No	Item	Sale Price of Traders (₹/kWh)
1	Minimum	2.71
2	Maximum	8.56
3	Weighted Average	3.60

Source: Information submitted by trading licensees

Table-4: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS (TIME-WISE), AUGUST 2021		
Sr.No	Period of Trade	Sale Price of Traders (₹/kWh)
1	RTC	3.54
2	PEAK	4.61
3	OFF PEAK	4.11

Source: Information submitted by trading licensees

Table-5: PRICE OF ELECTRICITY TRANSACTED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, AUGUST 2021			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	1.10	2.41
2	Maximum	20.00	8.99
3	Weighted Average	5.23	4.19

Source: IEX and PXIL

Table-6: PRICE OF ELECTRICITY TRANSACTED IN REAL TIME MARKET THROUGH POWER EXCHANGES, AUGUST 2021			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	0.80	-
2	Maximum	20.00	-
3	Weighted Average	5.07	-

Source: IEX and PXIL

Table-7: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF IEX, AUGUST 2021			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	8.47	8.91
2	Day Ahead Contingency Contracts	110.10	4.65
3	Daily Contracts	498.66	2.99
	Total	617.22	3.37

Source: IEX

Table-8: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF PXIL, AUGUST 2021			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	13.94	5.37
2	Day Ahead Contingency Contracts	101.58	7.09
3	Any Day(s) Contracts	123.11	3.42
	Total	238.64	5.10

Source: PXIL

Table-9: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF IEX, AUGUST 2021			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	9.30	4.63
2	Day Ahead Contingency Contracts	359.04	5.39
3	Daily Contracts	83.02	3.93
4	Weekly Contracts	14.29	3.72
	Total	465.65	5.07

Source: IEX

Table-10: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF PXIL, AUGUST 2021			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	0.42	1.73
2	Day Ahead Contingency Contracts	12.68	4.77
3	Any Day(s) Contracts	19.70	4.09
	Total	32.80	4.32

Source: PXIL

Table-11: PRICE OF ELECTRICITY TRANSACTED THROUGH DSM, AUGUST 2021		
Sr.No	Item	Price in All India Grid (₹/kWh)
1	Minimum	0.00
2	Maximum	8.00
3	Average	4.35

Source: NLDC

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

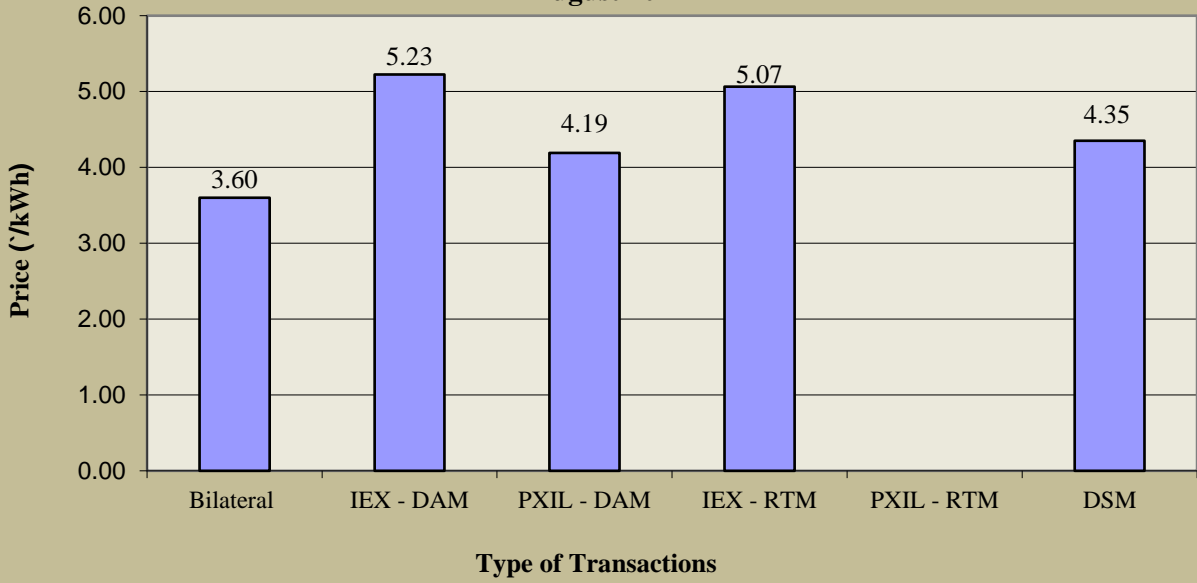
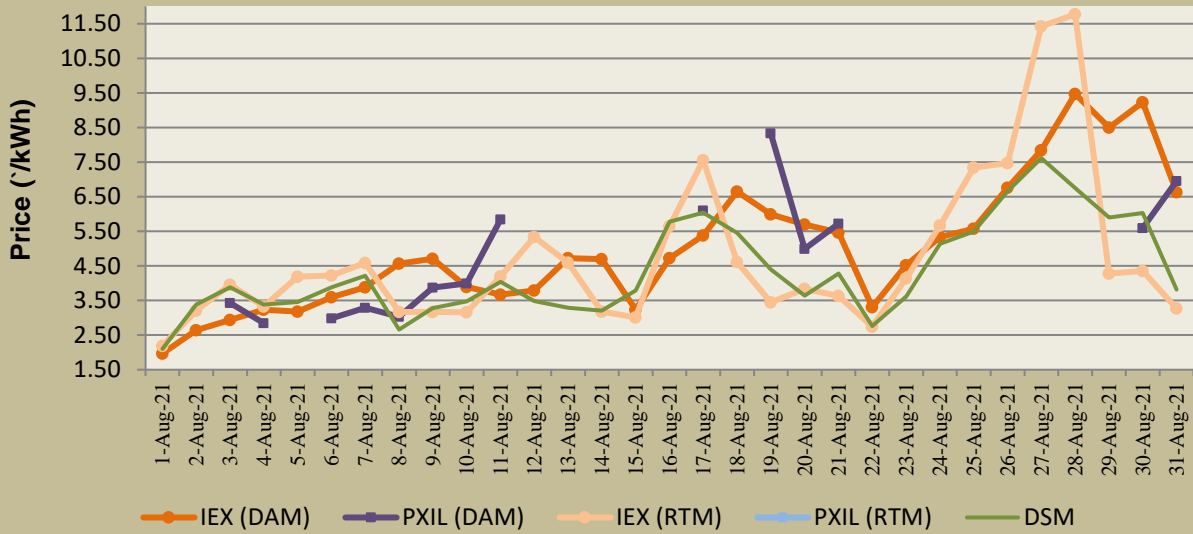


Figure-7: Price of Short-term Transactions of Electricity, August 2021 (Day-wise)



Note: On PXIL, electricity was transacted in DAM on 3rd – 4th, 6th – 11th, 17th, 19th – 20th, 30th – 31st August 2021, while no electricity was transacted in RTM during August 2021

Table-12: VOLUME OF ELECTRICITY SOLD THROUGH BILATERAL, AUGUST 2021		
Name of the Entity	Volume of Sale (MUs)	% of Volume
HIMACHAL PRADESH	848.52	11.13
RPREL	649.42	8.52
MP	475.32	6.23
KARNATAKA	445.18	5.84
JITPL	441.97	5.80
TEESTA STG3	426.61	5.59
DB POWER	381.45	5.00
TAMIL NADU	367.86	4.82
RAJASTHAN	337.48	4.43
UTTARAKHAND	318.88	4.18
REGL	294.49	3.86
SEMBCORP	225.63	2.96
ESSAR POWER	210.21	2.76
DVC	204.99	2.69
JAYPEE NIGRIE	186.39	2.44
RKM POWER	166.46	2.18
SKS POWER	164.05	2.15
J & K	141.17	1.85
ADHUNIK POWER LTD	106.57	1.40
MB POWER	92.98	1.22
DAGACHU	91.87	1.20
GUJARAT	84.33	1.11
SIKKIM	81.45	1.07
KSK MAHANADI	62.72	0.82
AD HYDRO	56.64	0.74
JINDAL STAGE-II	54.06	0.71
JINDAL POWER	53.20	0.70
ONGC PALATANA	49.78	0.65
ARERJL_SLR	48.36	0.63
MRPL	46.40	0.61
MANIPUR	38.96	0.51
JHABUA POWER_MP	36.28	0.48
KERALA	36.25	0.48
TELANGANA	33.90	0.44
DIKCHU HEP	31.98	0.42
MEGHALAYA	29.12	0.38
WEST BENGAL	28.88	0.38
EDEN_SLR	25.91	0.34
KARCHAM WANGTOO	23.90	0.31
ASEJTL_SLR	22.68	0.30
GOA	22.32	0.29
ODISHA	20.19	0.26
SAINJ HEP	19.90	0.26
RENEWSW_SLR	17.87	0.23
ANDHRA PRADESH	16.08	0.21
AZURE43_SLR	14.62	0.19
TATA_SLR	14.24	0.19
ADANI_SLR	12.33	0.16
TASHIDENG HEP	10.19	0.13

LANKO_AMK	9.90	0.13
JORETHANG	9.49	0.12
ADANIHB_SLR	8.74	0.11
MAHARASHTRA	7.44	0.10
ARUNACHAL PRADESH	4.80	0.06
ADANIHB_WIND	3.55	0.05
SBSR_SLR	3.27	0.04
HARYANA	1.82	0.02
SHREE CEMENT	1.59	0.02
ADANI_WIND	1.57	0.02
CHHATTISGARH	1.45	0.02
NAGALAND	1.25	0.02
CONTINNUM PT	0.25	0.003
NTPC STATIONS-NER	0.22	0.003
UTTAR PRADESH	0.10	0.001
Total	7625.48	100.00
Volume Sold by top 5 Regional Entities	2860.39	37.51

Table-13: VOLUME OF ELECTRICITY PURCHASED THROUGH BILATERAL, AUGUST 2021		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
HARYANA	1842.02	24.16
PUNJAB	1699.27	22.28
DELHI	1031.93	13.53
UTTAR PRADESH	648.38	8.50
WEST BENGAL	318.89	4.18
MAHARASHTRA	315.19	4.13
ODISHA	297.71	3.90
TAMIL NADU	248.64	3.26
AMPS Hazira	227.53	2.98
BIHAR	163.12	2.14
MP	156.92	2.06
RAJASTHAN	109.88	1.44
JHARKHAND	106.09	1.39
CHHATTISGARH	104.96	1.38
TELANGANA	95.60	1.25
DADRA & NAGAR HAVELI	66.87	0.88
SIKKIM	57.61	0.76
GOA	50.30	0.66
DVC	22.11	0.29
KARNATAKA	18.39	0.24
ANDHRA PRADESH	15.59	0.20
GUJARAT	12.33	0.16
UTTARAKHAND	10.19	0.13
ASSAM	3.01	0.04
DAMAN AND DIU	2.30	0.03
HIMACHAL PRADESH	0.66	0.01
TOTAL	7625.50	100.00
Volume Purchased by top 5 Regional Entities	5540.50	72.66

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

Name of the Entity	Volume of Sale (MUs)	% of Volume
KARNATAKA	556.76	8.37
UTTAR PRADESH	517.68	7.78
SEMBCORP	504.68	7.58
HIMACHAL PRADESH	410.59	6.17
JINDAL POWER	407.75	6.13
ODISHA	369.59	5.55
TELANGANA	349.59	5.25
TEESTA STG3	304.39	4.57
JINDAL STAGE-II	250.24	3.76
KERALA	248.88	3.74
NTPC STATIONS-SR	240.10	3.61
DELHI	196.18	2.95
J & K	147.86	2.22
BIHAR	132.97	2.00
RAJASTHAN	123.28	1.85
MB POWER	109.21	1.64
NEEPCO STATIONS	102.50	1.54
MP	97.01	1.46
JITPL	94.29	1.42
MAHARASHTRA	86.50	1.30
ESSAR POWER	79.83	1.20
RPREL	79.61	1.20
CHHATTISGARH	77.30	1.16
JAYPEE NIGRIE	75.16	1.13
GUJARAT	70.82	1.06
TASHIDENG HEP	68.03	1.02
SINGOLI BHATWARI HEP	67.45	1.01
JORETHANG	65.45	0.98
AD HYDRO	53.59	0.81
SAINJ HEP	52.07	0.78
SHREE CEMENT	49.35	0.74
MEGHALAYA	47.95	0.72
ACBIL	46.46	0.70
DIKCHU HEP	44.99	0.68
RKM POWER	44.55	0.67
MARUTI COAL	41.24	0.62
KARCHAM WANGTOO	38.38	0.58
GMR KAMALANGA	37.93	0.57
ASSAM	35.00	0.53
CHANDIGARH	29.51	0.44
WEST BENGAL	26.23	0.39
NTPC STATIONS-NER	25.63	0.39
TAMIL NADU	24.46	0.37
JHARKHAND	22.79	0.34
ANDHRA PRADESH	22.31	0.34
HARYANA	21.16	0.32
ARUNACHAL PRADESH	18.22	0.27
REGL	16.56	0.25

JHABUA POWER_MP	12.16	0.18
CHUZACHEN HEP	11.72	0.18
MIZORAM	10.04	0.15
SIKKIM	9.32	0.14
GOA	9.15	0.14
TRIPURA	8.54	0.13
DB POWER	8.07	0.12
PUNJAB	7.30	0.11
ADHUNIK POWER LTD	7.10	0.11
LANCO BUDHIL	6.26	0.09
NTPC STATIONS-NR	6.19	0.09
ONGC PALATANA	5.75	0.09
RGPPL	5.25	0.08
IL&FS	4.12	0.06
DVC	3.56	0.05
NAGALAND	2.99	0.04
DHARIWAL POWER	1.43	0.02
NTPC STATIONS-ER	1.11	0.02
ADANI_WIND	0.85	0.01
ADANIHB_WIND	0.68	0.01
DADRA & NAGAR HAVELI	0.18	0.003
NLC	0.06	0.001
Total	6653.88	100.00
Volume sold by top 5 Regional Entities	2397.46	36.03

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

Name of the Entity	Volume of Purchase (MUs)	% of Volume
GUJARAT	2531.38	38.04
PUNJAB	839.19	12.61
ANDHRA PRADESH	655.16	9.85
RAJASTHAN	458.96	6.90
MAHARASHTRA	426.83	6.41
MEENAKSHI	308.36	4.63
HARYANA	295.86	4.45
TAMIL NADU	239.40	3.60
BIHAR	149.19	2.24
UTTARAKHAND	119.93	1.80
UTTAR PRADESH	113.81	1.71
MP	106.45	1.60
ASSAM	106.27	1.60
DELHI	65.94	0.99
WEST BENGAL	62.46	0.94
DVC	27.57	0.41
DADRA & NAGAR HAVELI	26.88	0.40
KARNATAKA	24.81	0.37
CHHATTISGARH	24.12	0.36
GOA	10.20	0.15
DAMAN AND DIU	9.68	0.15
KERALA	9.47	0.14
JHARKHAND	9.42	0.14
AMPS Hazira	8.64	0.13
ODISHA	8.40	0.13
HIMACHAL PRADESH	8.37	0.13
NEPAL(NVVN)	3.49	0.05
J & K	2.03	0.03
CHANDIGARH	0.85	0.01
MANIPUR	0.37	0.01
MEGHALAYA	0.30	0.005
TRIPURA	0.09	0.001
TOTAL	6653.88	100.00
Volume purchased by top 5 Regional Entities	4911.52	73.81

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

Name of the Entity	Volume of Sale (MUs)	% of Volume
J & K	303.97	16.35
TELANGANA	186.13	10.01
ODISHA	126.35	6.79
UTTAR PRADESH	125.02	6.72
WEST BENGAL	107.01	5.76
KARNATAKA	105.10	5.65
DELHI	81.28	4.37
NLC	68.50	3.68
NEEPCO STATIONS	65.27	3.51
KERALA	62.65	3.37
NTPC STATIONS-SR	41.63	2.24
MP	40.30	2.17
NTPC STATIONS-NR	38.75	2.08
RAJASTHAN	35.93	1.93
MAHARASHTRA	32.92	1.77
JINDAL STAGE-II	32.72	1.76
NTPC STATIONS-WR	28.28	1.52
HIMACHAL PRADESH	28.16	1.51
BIHAR	26.68	1.43
CHHATTISGARH	26.53	1.43
TAMIL NADU	25.04	1.35
JINDAL POWER	24.02	1.29
MB POWER	23.46	1.26
ASSAM	18.13	0.98
TRIPURA	16.13	0.87
GUJARAT	15.97	0.86
RKM POWER	15.22	0.82
SASAN UMPP	13.32	0.72
JHABUA POWER_MP	12.20	0.66
SEBICORP	11.81	0.63
NTPC STATIONS-NER	10.92	0.59
MANIPUR	9.35	0.50
HARYANA	9.20	0.49
JHARKHAND	8.81	0.47
PUNJAB	8.73	0.47
RPREL	8.44	0.45
ANDHRA PRADESH	7.33	0.39
JITPL	7.23	0.39
NTPC STATIONS-ER	6.81	0.37
KARCHAM WANGTOO	4.01	0.22
SIKKIM	3.89	0.21
TEESTA STG3	3.31	0.18
RGPPL_IR	3.18	0.17
DB POWER	2.92	0.16
ACBIL	2.79	0.15
ARUNACHAL PRADESH	2.63	0.14
SAINJ HEP	2.55	0.14
SHREE CEMENT	2.34	0.13
GMR KAMALANGA	2.19	0.12
MEGHALAYA	2.11	0.11
ONGC PALATANA	2.04	0.11
AD HYDRO	1.91	0.10
REGL	1.34	0.07
SINGOLI BHATWARI HEP	1.19	0.06

DVC	0.83	0.04
DADRA & NAGAR HAVELI	0.74	0.04
JORETHANG	0.69	0.04
DIKCHU HEP	0.52	0.03
IL&FS	0.51	0.03
ESSAR POWER	0.32	0.02
RGPPL_Others	0.31	0.02
MIZORAM	0.28	0.02
RGPPL	0.26	0.01
CGPL	0.24	0.01
BALCO	0.22	0.01
TASHIDENG HEP	0.19	0.01
CHANDIGARH	0.15	0.01
NAGALAND	0.12	0.01
LANCO BUDHIL	0.09	0.005
MARUTI COAL	0.09	0.005
NSPCL	0.08	0.004
SKS POWER	0.08	0.004
DHARIWAL POWER	0.05	0.003
Total	1859.46	100.00
Volume sold by top 5 Regional Entities	848.48	45.63

Table-17: VOLUME OF ELECTRICITY PURCHASED IN REAL TIME MARKET THROUGH POWER EXCHANGES, AUGUST 2021		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
RAJASTHAN	342.13	18.40
GUJARAT	219.34	11.80
ANDHRA PRADESH	199.64	10.74
TELANGANA	155.76	8.38
UTTAR PRADESH	115.18	6.19
HARYANA	113.05	6.08
TAMIL NADU	101.22	5.44
WEST BENGAL	98.89	5.32
DELHI	86.16	4.63
BIHAR	69.71	3.75
MAHARASHTRA	63.55	3.42
MP	62.69	3.37
ODISHA	44.42	2.39
PUNJAB	40.49	2.18
ASSAM	31.97	1.72
DVC	20.38	1.10
HIMACHAL PRADESH	15.61	0.84
CHHATTISGARH	14.81	0.80
JHARKHAND	12.22	0.66
DADRA & NAGAR HAVELI	7.24	0.39
KARNATAKA	7.23	0.39
KERALA	7.08	0.38
JINDAL POWER	6.69	0.36
MANIPUR	5.88	0.32
ESSAR POWER	4.88	0.26
UTTARAKHAND	2.82	0.15
DAMAN AND DIU	1.84	0.10
JINDAL STAGE-II	1.42	0.08
AMPS Hazira	1.36	0.07
JORETHANG	0.97	0.05
TASHIDENG HEP	0.89	0.05
TRIPURA	0.86	0.05
ARUNACHAL PRADESH	0.81	0.04
J & K	0.69	0.04
GOA	0.52	0.03
MEGHALAYA	0.47	0.03
SAINJ HEP	0.24	0.01
SIKKIM	0.23	0.01
KARCHAM WANGTOO	0.10	0.01
CHANDIGARH	0.03	0.001
TOTAL	1859.46	100.00
Volume purchased by top 5 Regional Entities	1032.04	55.50

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

Name of the Entity	Volume of Under drawal (MUs)	% of Volume
NHPC STATIONS	129.68	5.95
MAHARASHTRA	122.09	5.60
UTTAR PRADESH	107.93	4.95
PONDICHERRY	82.27	3.78
PUNJAB	80.44	3.69
CHUKHA HEP	78.51	3.60
GUJARAT	77.41	3.55
NTPC STATIONS-WR	69.43	3.19
KARNATAKA	68.55	3.15
KERALA	65.60	3.01
DVC	58.23	2.67
MP	51.79	2.38
ANDHRA PRADESH	50.83	2.33
RAJASTHAN	50.72	2.33
SASAN UMPP	50.43	2.31
WEST BENGAL	50.06	2.30
HARYANA	45.73	2.10
BIHAR	45.45	2.09
NTPC STATIONS-NR	41.69	1.91
DELHI	41.30	1.90
TAMIL NADU	40.20	1.85
ODISHA	32.21	1.48
NTPC STATIONS-ER	29.67	1.36
J & K	27.25	1.25
AMPS Hazira	25.27	1.16
NTPC STATIONS-SR	24.66	1.13
JHARKHAND	22.37	1.03
UTTARAKHAND	18.05	0.83
CHHATTISGARH	17.97	0.82
BBMB	16.98	0.78
GIWEL_BHUJ	16.89	0.78
NLC	15.44	0.71
GOA	13.56	0.62
NJPC	12.86	0.59
ADANIHB_SLR	11.90	0.55
MANGDECHU HEP	11.74	0.54
KARCHAM WANGTOO	11.47	0.53
TRIPURA	11.27	0.52
ORANGE_TCN	10.70	0.49
AGEMPL BHUJ	9.76	0.45
ASSAM	9.05	0.42
OSTRO	8.85	0.41
GMR KAMALANGA	8.51	0.39
GIWEL_TCN	8.44	0.39
NEEPCO STATIONS	8.42	0.39
SINGOLI BHATWARI HEP	8.41	0.39
RPREL	8.36	0.38
BETAM_TCN	8.29	0.38
RENEW_BHACHAU	7.93	0.36
RAMPUR HEP	7.72	0.35
MEGHALAYA	7.65	0.35
TATA_PVGD	7.29	0.33
RENEW_BHUJ	7.14	0.33
CHANDIGARH	7.03	0.32
ALFANAR_BHUJ	6.99	0.32
TALA HEP	6.63	0.30
JINDAL POWER	6.37	0.29
NAPP	6.19	0.28
ACME_SLR	6.19	0.28
ARINSUM_RUMS	6.15	0.28
INOX_BHUJ	6.08	0.28
MYTRAH_TCN	5.90	0.27

MAHINDRA_RUMS	5.90	0.27
ESSAR POWER	5.89	0.27
SPRNG_NPKUNTA	5.80	0.27
ACME_RUMS	5.61	0.26
TEHRI	5.46	0.25
JINDAL STAGE-II	5.42	0.25
NEPAL(NVVN)	5.39	0.25
SBG_NPK	5.24	0.24
SPRING_PUGALUR	5.15	0.24
HIMACHAL PRADESH	5.07	0.23
KURICHU HEP	4.95	0.23
RENEW_SLR_BKN	4.85	0.22
AYANA_NPKUNTA	4.77	0.22
RKM POWER	4.74	0.22
JAYPEE NIGRIE	4.70	0.22
SBG_PVGD	4.47	0.21
MAITHON POWER LTD	4.27	0.20
AD HYDRO	4.14	0.19
RGPPL	4.13	0.19
FORTUM2_PVGD	4.03	0.18
SEMBCORP	3.94	0.18
NTPC_ANTP	3.82	0.18
SB6_POKARAN	3.73	0.17
MRPL	3.64	0.17
DADRA & NAGAR HAVELI	3.62	0.17
NPGC	3.57	0.16
SIKKIM	3.57	0.16
BRBCL,NABINAGAR	3.53	0.16
MB POWER	3.32	0.15
ACBIL	3.27	0.15
AZURE_SLR	3.22	0.15
ARUNACHAL PRADESH	3.18	0.15
BARC	3.04	0.14
KOTESHWAR	3.00	0.14
PARAM_PVGD	2.91	0.13
SAINJ HEP	2.86	0.13
AVAADA2_PVGD	2.82	0.13
AVAADA1_PVGD	2.74	0.13
NTPL	2.74	0.13
NAGALAND	2.73	0.13
MIZORAM	2.71	0.12
LANKO_AMK	2.65	0.12
ADHUNIK POWER LTD	2.53	0.12
CLEAN_SLR	2.51	0.12
JHABUA POWER_MP	2.51	0.12
SB_SLR	2.49	0.11
EDEN_SLR	2.40	0.11
TATA_ANTP	2.39	0.11
TRN ENERGY	2.32	0.11
KSK MAHANADI	2.30	0.11
RANGANADI HEP	2.21	0.10
RAP B	2.18	0.10
AZURE_PVGD	2.14	0.10
TEESTA HEP	2.07	0.09
IGSTPS	1.97	0.09
JITPL	1.96	0.09
BALCO	1.89	0.09
FORTUM1_PVGD	1.86	0.09
TELANGANA	1.85	0.08
MTPS II	1.78	0.08
ESPL_RADHANESDA	1.71	0.08
ONGC PALATANA	1.66	0.08
MANIPUR	1.64	0.08
NTPC STATIONS-NER	1.61	0.07
NETCL VALLUR	1.57	0.07

BANGLADESH	1.55	0.07
AZURE34_SLR	1.54	0.07
NEP	1.38	0.06
KREDL_PVGD	1.37	0.06
COASTGEN	1.31	0.06
ADY3_PVGD	1.26	0.06
NSPCL	1.25	0.06
ADY6_PVGD	1.24	0.06
RENEWSW_SLR	1.23	0.06
DAMAN AND DIU	1.23	0.06
ASEJTL_SLR	1.19	0.05
DB POWER	1.16	0.05
ARERJL_SLR	1.16	0.05
AKSP_ANTP	1.14	0.05
ABSP_ANTP	1.13	0.05
ADY1_PVGD	1.12	0.05
ADY2_PVGD	1.12	0.05
TASHIDENG HEP	1.10	0.05
YARROW_PVGD	1.07	0.05
RENEW_SLR	1.05	0.05
AHSP_ANTP	1.03	0.05
AKS_PVGD	1.03	0.05
ADY10_PVGD	0.99	0.05
ADY13_PVGD	0.98	0.05
FRV_NPK	0.98	0.04
FRV_ANTP	0.96	0.04
GIPCL_RADHANESDA	0.96	0.04
RENEW_PVGD	0.93	0.04
CGPL	0.93	0.04
CHUZACHEN HEP	0.87	0.04
ARS_PVGD	0.85	0.04
AZURE_ANTP	0.84	0.04
TEESTA STG3	0.84	0.04
TATA_SLR	0.83	0.04
RAP C	0.80	0.04
TPREL_RADHANESDA	0.79	0.04
THERMAL POWERTECH	0.73	0.03
DIKCHU HEP	0.67	0.03
PARE HEP	0.67	0.03
DHARIWAL POWER	0.65	0.03
RANGIT HEP	0.64	0.03
SHREE CEMENT	0.63	0.03
SKS POWER	0.59	0.03
AZURE43_SLR	0.58	0.03
EMCO	0.56	0.03
RONGNICHU HEP	0.51	0.02
DOYANG HEP	0.39	0.02
DCPP	0.38	0.02
RAIL	0.37	0.02
IL&FS	0.36	0.02
LANCO BUDHIL	0.31	0.01
VINDHYACHAL HVDC	0.23	0.01
LOKTAK	0.22	0.01
NFF	0.20	0.01
SBSR_SLR	0.18	0.01
HVDC PUS	0.11	0.005
HVDC CHAMPA	0.08	0.004
HVDC RAIGARH	0.07	0.003
HVDC ALPD	0.06	0.003
JORETHANG	0.04	0.002
BHADRAVATHI HVDC	0.03	0.001
Total	2178.62	100.00
Volume Exported by top 5 Regional Entities	522.42	23.98

Table-19: VOLUME OF ELECTRICITY OVER DRAWAL (IMPORTED) THROUGH DSM, AUGUST 2021		
Name of the Entity	Volume of Over drawal (MUs)	% of Volume
NTPC STATIONS-WR	215.33	8.73
RAJASTHAN	163.67	6.64
TALA HEP	154.08	6.25
NTPC STATIONS-NR	112.70	4.57
PUNJAB	89.63	3.64
MP	78.39	3.18
UTTAR PRADESH	70.63	2.86
NTPC STATIONS-ER	65.07	2.64
ANDHRA PRADESH	63.89	2.59
GUJARAT	62.21	2.52
HARYANA	57.05	2.31
PONDICHERRY	56.54	2.29
KARNATAKA	50.90	2.06
HIMACHAL PRADESH	48.76	1.98
KERALA	48.22	1.96
CHHATTISGARH	45.45	1.84
J & K	40.54	1.64
RGPPPL	39.95	1.62
BIHAR	37.19	1.51
NTPC STATIONS-SR	35.60	1.44
MAHARASHTRA	31.53	1.28
WEST BENGAL	27.65	1.12
UTTARAKHAND	27.52	1.12
ODISHA	26.43	1.07
NLC	23.96	0.97
NEPAL(NVVN)	22.57	0.92
BALCO	22.13	0.90
MB POWER	21.82	0.89
RAIL	21.36	0.87
AMPS Hazira	20.11	0.82
NETCL VALLUR	18.27	0.74
ASSAM	18.04	0.73
DVC	17.01	0.69
TAMIL NADU	16.47	0.67
THERMAL POWERTECH	15.78	0.64
DB POWER	14.90	0.60
CHUKHA HEP	14.84	0.60
DELHI	13.95	0.57
CGPL	13.76	0.56
SEMBCORP	13.68	0.55
AGEMPL BHUJ	13.02	0.53
DAGACHU	12.94	0.52
JHARKHAND	12.55	0.51
NTPC STATIONS-NER	12.27	0.50
DAMAN AND DIU	11.50	0.47
GIWEL_TCN	10.36	0.42
NHPC STATIONS	10.31	0.42
DADRA & NAGAR HAVELI	10.02	0.41
MYTRAH_TCN	9.32	0.38
IGSTPS	9.04	0.37
NAPP	8.84	0.36
SPRING_PUGALUR	8.52	0.35
ORANGE_TCN	7.96	0.32
KAPP 3&4	7.86	0.32
GIWEL_BHUJ	7.78	0.32
NEP	7.77	0.32
BRBCL,NABINAGAR	7.77	0.32
RKM POWER	7.73	0.31
GOA	7.70	0.31
ESSAR POWER	7.48	0.30
TATA_PVGD	7.39	0.30
BETAM_TCN	7.33	0.30
NPGC	7.30	0.30
ARUNACHAL PRADESH	7.29	0.30

RENEW_BHACHAU	6.88	0.28
RAP C	6.77	0.27
KARCHAM WANGTOO	6.72	0.27
JAYPEE NIGRIE	6.41	0.26
RENEW_BHUJ	6.19	0.25
CHANDIGARH	5.98	0.24
RPREL	5.75	0.23
MANGDECHU HEP	5.63	0.23
SHREE CEMENT	5.36	0.22
ACME_RUMS	5.32	0.22
NTPL	5.28	0.21
ALFANAR_BHUJ	5.28	0.21
SBG_NPK	5.27	0.21
TEESTA STG3	5.15	0.21
AYANA_NPKUNTA	5.08	0.21
MAHINDRA_RUMS	5.07	0.21
ARERJL_SLR	4.86	0.20
TATA_SLR	4.77	0.19
AD HYDRO	4.77	0.19
INOX_BHUJ	4.71	0.19
SPRNG_NPKUNTA	4.69	0.19
OSTRO	4.45	0.18
FORTUM2_PVGD	4.37	0.18
SB6_POKARAN	4.30	0.17
JITPL	4.28	0.17
SBG_PVGD	4.18	0.17
IL&FS	4.11	0.17
JORETHANG	4.10	0.17
TASHIDENG HEP	4.03	0.16
ARINSUM_RUMS	4.02	0.16
COASTGEN	4.01	0.16
NTPC_ANTP	3.84	0.16
TEHRI	3.79	0.15
CLEAN_SLR	3.76	0.15
JINDAL STAGE-II	3.72	0.15
SINGOLI BHATWARI HEP	3.57	0.14
MRPL	3.45	0.14
ADHUNIK POWER LTD	3.45	0.14
AVAADA1_PVGD	3.34	0.14
MANIPUR	3.27	0.13
ESPL_RADHANESDA	3.21	0.13
JHABUA POWER_MP	3.11	0.13
PARAM_PVGD	3.03	0.12
EMCO	3.02	0.12
SB_SLR	3.01	0.12
AVAADA2_PVGD	3.00	0.12
MTPS II	2.85	0.12
ACBIL	2.79	0.11
NSPCL	2.74	0.11
BANGLADESH	2.63	0.11
MAITHON POWER LTD	2.54	0.10
KURICHU HEP	2.54	0.10
TRIPURA	2.52	0.10
BBMB	2.52	0.10
RENEW_SLR_BKN	2.45	0.10
MEGHALAYA	2.39	0.10
EDEN_SLR	2.18	0.09
SIKKIM	2.13	0.09
DHARIWAL POWER	2.09	0.08
NEEPCO STATIONS	2.04	0.08
SKS POWER	1.98	0.08
TPREL_RADHANESDA	1.96	0.08
JINDAL POWER	1.94	0.08
KSK MAHANADI	1.93	0.08
AZURE_PVGD	1.86	0.08
TELANGANA	1.81	0.07

AZURE43_SLR	1.78	0.07
RENEWSW_SLR	1.77	0.07
FORTUM1_PVGD	1.72	0.07
AZURE_SLR	1.57	0.06
MIZORAM	1.57	0.06
NJPC	1.53	0.06
GIPCL_RADHANESDA	1.50	0.06
SASAN UMPP	1.49	0.06
GMR KAMALANGA	1.48	0.06
TATA_ANTP	1.45	0.06
DGEN MEGA POWER	1.44	0.06
RENEW_PVGD	1.38	0.06
ACME_SLR	1.32	0.05
AZURE34_SLR	1.30	0.05
ARS_PVGD	1.21	0.05
SAINJ HEP	1.18	0.05
NAGALAND	1.15	0.05
ADANIHB_SLR	1.11	0.05
ONGC PALATANA	1.07	0.04
FRV_NPK	1.07	0.04
KOTESHWAR	1.06	0.04
ADY10_PVGD	1.05	0.04
AHSP_ANTP	1.00	0.04
ABSP_ANTP	0.98	0.04
ADY2_PVGD	0.97	0.04
AZURE_ANTP	0.96	0.04
ADY13_PVGD	0.96	0.04
FRV_ANTP	0.94	0.04
ADY1_PVGD	0.92	0.04
YARROW_PVGD	0.91	0.04
AKS_PVGD	0.91	0.04
RONGNICHU HEP	0.91	0.04
AKSP_ANTP	0.90	0.04
MEENAKSHI	0.89	0.04
RAP B	0.86	0.03
NFF	0.77	0.03
RANGIT HEP	0.76	0.03
ADY6_PVGD	0.74	0.03
ADY3_PVGD	0.72	0.03
RANGANADI HEP	0.68	0.03
ASEJTL_SLR	0.65	0.03
KREDL_PVGD	0.60	0.02
DCPP	0.59	0.02
RENEW_SLR	0.59	0.02
LANKO KONDAPALLI	0.55	0.02
PARE HEP	0.53	0.02
SIMHAPURI	0.51	0.02
SBSR_SLR	0.50	0.02
LANKO_AMK	0.39	0.02
RAMPUR HEP	0.32	0.01
TRN ENERGY	0.32	0.01
LOKTAK	0.30	0.01
DIKCHU HEP	0.30	0.01
LANCO BUDHIL	0.22	0.01
HVDC CHAMPA	0.22	0.01
CHUZACHEN HEP	0.19	0.01
TEESTA HEP	0.19	0.01
HVDC ALPD	0.11	0.004
BHADRAVATHI HVDC	0.10	0.004
DOYANG HEP	0.08	0.003
HVDC RAIGARH	0.05	0.002
BARC	0.01	0.0004
HVDC PUS	0.001	0.00004
TOTAL	2465.17	100.00
Volume Imported by top 5 Regional Entities	735.42	29.83

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

S. No.	Name of the Entity	Total volume of net short-term transactions of electricity*
1	GUJARAT	2576.72
2	PUNJAB	2572.11
3	HARYANA	2230.07
4	DELHI	879.22
5	ANDHRA PRADESH	837.73
6	MAHARASHTRA	588.15
7	RAJASTHAN	527.23
8	MEENAKSHI	309.24
9	WEST BENGAL	295.70
10	AMPS Hazira	232.38
11	BIHAR	214.11
12	UTTAR PRADESH	197.25
13	TAMIL NADU	148.18
14	TALA HEP	147.45
15	NTPC STATIONS-WR	117.61
16	DADRA & NAGAR HAVELI	106.47
17	ASSAM	97.10
18	JHARKHAND	86.31
19	CHHATTISGARH	66.10
20	RGPL	30.31
21	NTPC STATIONS-ER	27.47
22	NTPC STATIONS-NR	26.07
23	DAMAN AND DIU	24.09
24	GOA	23.69
25	RAIL	20.99
26	NEPAL(NVVN)	20.66
27	BALCO	20.01
28	NETCL VALLUR	16.70
29	THERMAL POWERTECH	15.05
30	CGPL	12.59
31	KAPP 3&4	7.86
32	IGSTPS	7.07
33	NEP	6.40
34	RAP C	5.97
35	BRBCL,NABINAGAR	4.23
36	NPGC	3.73
37	MYTRAH_TCN	3.42
38	SPRING_PUGALUR	3.36
39	AGEMPL BHUJ	3.27
40	COASTGEN	2.70
41	NAPP	2.65
42	NTPL	2.55
43	EMCO	2.46
44	GIWEL_TCN	1.92
45	ESPL_RADHANESDA	1.50
46	DGEN MEGA POWER	1.44
47	NSPCL	1.41
48	CLEAN_SLR	1.24
49	TPREL_RADHANESDA	1.17
50	BANGLADESH	1.08
51	MTPS II	1.07
52	AVAADA1_PVGD	0.60
53	SB6_POKARAN	0.57
54	NFF	0.57
55	LANKO KONDAPALLI	0.55
56	GIPCL_RADHANESDA	0.54
57	SB_SLR	0.53
58	SIMHAPURI	0.51
59	RENEW_PVGD	0.45
60	RONGNICHU HEP	0.39
61	ARS_PVGD	0.36
62	FORTUM2_PVGD	0.34
63	AYANA_NPKUNTA	0.31
64	DCPP	0.22
65	AVAADA2_PVGD	0.18
66	HVDC CHAMPA	0.14

67	AZURE_ANTP	0.12
68	PARAM_PVGD	0.12
69	RANGIT HEP	0.11
70	TATA_PVGD	0.10
71	FRV_NPK	0.09
72	LOKTAK	0.09
73	BHADRAVATHI HVDC	0.08
74	ADY10_PVGD	0.06
75	HVDC ALPD	0.04
76	SBG_NPK	0.03
77	NTPC_ANTP	0.02
78	HVDC RAIGARH	-0.02
79	FRV_ANTP	-0.02
80	ADY13_PVGD	-0.02
81	AHSP_ANTP	-0.04
82	DHARIWAL POWER	-0.05
83	HVDC PUS	-0.10
84	AKS_PVGD	-0.12
85	FORTUM1_PVGD	-0.13
86	PARE HEP	-0.14
87	ADY2_PVGD	-0.15
88	YARROW_PVGD	-0.16
89	ABSP_ANTP	-0.16
90	ADY1_PVGD	-0.20
91	VINDHYACHAL HVDC	-0.23
92	AKSP_ANTP	-0.24
93	AZURE34_SLR	-0.24
94	CONTINNUM PT	-0.25
95	AZURE_PVGD	-0.29
96	ACME_RUMS	-0.29
97	SBG_PVGD	-0.29
98	DOYANG HEP	-0.30
99	RGPPL_Others	-0.31
100	RENEW_SLR	-0.46
101	ADY6_PVGD	-0.49
102	ADY3_PVGD	-0.54
103	KREDL_PVGD	-0.77
104	MAHINDRA_RUMS	-0.83
105	IL&FS	-0.89
106	TATA_ANTP	-0.94
107	RENEW_BHUJ	-0.95
108	BETAM_TCN	-0.97
109	RENEW_BHACHAU	-1.05
110	SPRNG_NPKUNTA	-1.11
111	RAP B	-1.32
112	INOX_BHUJ	-1.36
113	RANGANADI HEP	-1.52
114	AZURE_SLR	-1.65
115	TEHRI	-1.68
116	ALFANAR_BHUJ	-1.71
117	MAITHON POWER LTD	-1.73
118	TEESTA HEP	-1.88
119	KOTESHWAR	-1.94
120	TRN ENERGY	-2.00
121	ARINSUM_RUMS	-2.12
122	RENEW_SLR_BKN	-2.40
123	KURICHU HEP	-2.42
124	ADANI_WIND	-2.42
125	ORANGE_TCN	-2.75
126	SBSR_SLR	-2.95
127	BARC	-3.03
128	RGPPL_IR	-3.18
129	ADANIHB_WIND	-4.23
130	OSTRO	-4.40
131	ACME_SLR	-4.87
132	NAGALAND	-5.95
133	MANGDECHU HEP	-6.11
134	LANCO BUDHIL	-6.43
135	RAMPUR HEP	-7.40
136	GIWEL_BHUJ	-9.11

137	TATA_SLR	-10.29
138	NJPC	-11.33
139	MIZORAM	-11.45
140	LANKO_AMK	-12.15
141	ADANI_SLR	-12.33
142	CHUZACHEN HEP	-12.40
143	AZURE43_SLR	-13.42
144	BBMB	-14.46
145	RENEWSW_SLR	-17.33
146	ADANIHB_SLR	-19.53
147	ARUNACHAL PRADESH	-20.72
148	ASEJTL_SLR	-23.22
149	PONDICHERRY	-25.72
150	NTPC STATIONS-NER	-26.10
151	EDEN_SLR	-26.13
152	CHANDIGARH	-29.82
153	TRIPURA	-32.46
154	SIKKIM	-38.26
155	MANIPUR	-40.43
156	MARUTI COAL	-41.33
157	ARERJL_SLR	-44.65
158	MRPL	-46.59
159	GMR KAMALANGA	-47.15
160	SHREE CEMENT	-48.56
161	ACBIL	-49.73
162	ONGC PALATANA	-58.17
163	NLC	-60.03
164	JHABUA POWER_MP	-60.04
165	SASAN UMPP	-62.27
166	KSK MAHANADI	-63.09
167	CHUKHA HEP	-63.67
168	JORETHANG	-70.61
169	KARCHAM WANGTOO	-70.95
170	SINGOLI BHATWARI HEP	-73.48
171	TASHIDENG HEP	-74.59
172	SAINJ HEP	-75.97
173	DIKCHU HEP	-77.86
174	DAGACHU	-78.93
175	MEGHALAYA	-83.67
176	AD HYDRO	-111.51
177	ADHUNIK POWER LTD	-112.74
178	NHPC STATIONS	-119.37
179	SKS POWER	-162.73
180	ODISHA	-171.38
181	NEEPCO STATIONS	-174.15
182	UTTARAKHAND	-176.46
183	DVC	-180.55
184	MB POWER	-207.16
185	RKM POWER	-223.25
186	JAYPEE NIGRIE	-259.85
187	MP	-259.97
188	NTPC STATIONS-SR	-270.80
189	ESSAR POWER	-283.89
190	REGL	-312.38
191	TELANGANA	-318.29
192	JINDAL STAGE-II	-337.30
193	KERALA	-348.62
194	DB POWER	-378.70
195	JINDAL POWER	-482.72
196	JITPL	-541.16
197	J & K	-576.99
198	TEESTA STG3	-729.99
199	SEMBCORP	-732.38
200	RPREL	-740.08
201	KARNATAKA	-1074.27
202	HIMACHAL PRADESH	-1218.93
* 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-21: DETAILS OF CONGESTION IN POWER EXCHANGES, AUGUST 2021					
	Details of Congestion	Day Ahead Market		Real Time Market	
		IEX	PXIL	IEX	PXIL
A	Unconstrained Cleared Volume (MU)	6659.81	5.12	1868.81	0.00
B	Actual Cleared Volume and hence scheduled (MU)	6648.76	5.12	1859.46	0.00
C	Volume of electricity that could not be cleared and hence not scheduled because of congestion (MU)	0.00	0.00	9.34	0.00
D	Volume of electricity that could not be cleared and hence not scheduled because of reasons other than congestion (MU) *	11.05	0.00	0.00	0.00
E	Volume of electricity that could not be cleared as % to Unconstrained Cleared Volume	0.17%	0.00%	0.50%	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%	10.99%	0.00%
G	Congestion occurrence (%) time block wise				
	0.00 - 6.00 hours	0.00%	0.00%	28.75%	0.00%
	6.00 - 12.00 hours	0.00%	0.00%	24.77%	0.00%
	12.00 - 18.00 hours	0.00%	0.00%	43.12%	0.00%
	18.00 - 24.00 hours	0.00%	0.00%	3.36%	0.00%
* There was real time curtailment of 5.134 MUs on 6th August 2021. Also, rejection of block bids on account of margin constraint combined with absence of sell bids in N3 region, did not lead to market splitting for few days of August 2021					
Source: IEX, PXIL & NLDC					

Table-22: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY IN INDIA (DAY-WISE) (MU), AUGUST 2021								
Date	Bilateral		Day Ahead Market[#]		Real Time Market[#]		Deviation Settlement (Over Drawl + Under Generation)	Total Electricity Generation (MU)*
	Through Traders and PXs**	Direct	IEX	PXIL	IEX	PXIL		
1-Aug-21	174.45	58.66	114.52	0.00	57.17	0.00	78.36	3117.39
2-Aug-21	184.54	59.19	150.90	0.00	49.62	0.00	72.29	3365.67
3-Aug-21	195.36	59.16	161.60	0.35	47.18	0.00	74.96	3469.70
4-Aug-21	189.22	60.52	172.89	1.00	44.87	0.00	72.72	3565.24
5-Aug-21	200.98	62.67	174.87	0.00	40.11	0.00	79.54	3713.34
6-Aug-21	193.66	63.71	181.42	0.39	49.75	0.00	80.84	3858.24
7-Aug-21	183.86	64.65	176.15	0.58	67.20	0.00	83.44	4005.06
8-Aug-21	180.78	64.61	174.38	0.48	72.17	0.00	74.20	3937.53
9-Aug-21	181.83	75.86	212.40	0.48	47.68	0.00	67.36	4000.83
10-Aug-21	176.19	77.48	215.70	0.48	50.50	0.00	71.80	4047.77
11-Aug-21	180.35	74.47	225.80	0.11	51.36	0.00	68.58	4081.23
12-Aug-21	198.01	76.46	207.23	0.00	49.20	0.00	70.67	4108.29
13-Aug-21	193.31	77.43	204.23	0.00	40.88	0.00	73.53	4146.34
14-Aug-21	165.03	73.11	199.33	0.00	40.08	0.00	68.67	4024.06
15-Aug-21	168.69	72.76	174.30	0.00	54.39	0.00	73.71	3942.52
16-Aug-21	166.58	72.19	209.10	0.00	77.24	0.00	76.09	4175.64
17-Aug-21	176.50	73.32	221.15	0.14	87.83	0.00	80.91	4243.75
18-Aug-21	192.21	74.79	242.24	0.00	85.00	0.00	78.92	4132.01
19-Aug-21	186.31	66.93	271.41	0.31	50.30	0.00	70.68	4038.93
20-Aug-21	176.06	64.70	264.30	0.02	72.25	0.00	78.05	4010.48
21-Aug-21	164.45	65.33	296.64	0.12	66.63	0.00	72.81	3912.11
22-Aug-21	171.68	59.62	255.07	0.00	47.29	0.00	75.53	3669.28
23-Aug-21	174.68	61.13	243.59	0.00	53.66	0.00	75.73	3851.70
24-Aug-21	169.30	63.35	243.01	0.00	61.77	0.00	74.26	3933.07
25-Aug-21	167.37	63.63	242.08	0.00	64.70	0.00	77.31	3954.23
26-Aug-21	189.70	63.38	223.50	0.00	66.92	0.00	77.23	3954.15
27-Aug-21	192.91	68.25	238.48	0.00	71.55	0.00	77.62	4014.55
28-Aug-21	176.56	67.20	212.56	0.00	98.33	0.00	76.67	4018.09
29-Aug-21	164.56	66.06	229.00	0.00	81.91	0.00	72.97	3848.60
30-Aug-21	154.19	65.89	243.58	0.27	57.05	0.00	72.99	3842.36
31-Aug-21	149.59	70.08	267.34	0.40	54.86	0.00	73.47	3795.85
Total	5538.92	2086.57	6648.76	5.12	1859.46	0.00	2321.90	120778.01

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.

Table-23: PRICE OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (DAY-WISE)(₹/kWh), AUGUST 2021									
Market Segment	Day ahead market of IEX			Day ahead 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-Aug-21	1.10	3.10	1.97	-	-	-	0.00	6.48	2.10
2-Aug-21	1.50	4.66	2.64	-	-	-	0.00	8.00	3.38
3-Aug-21	1.80	5.20	2.94	2.41	3.99	3.43	0.00	8.00	3.88
4-Aug-21	2.01	6.00	3.23	2.41	6.99	2.85	0.00	8.00	3.38
5-Aug-21	2.00	6.10	3.18	-	-	-	0.00	7.39	3.46
6-Aug-21	2.57	6.95	3.60	2.48	3.99	2.99	0.00	8.00	3.88
7-Aug-21	2.62	8.00	3.88	2.89	3.99	3.29	0.00	8.00	4.22
8-Aug-21	2.70	10.90	4.57	2.48	6.99	3.03	0.00	6.22	2.67
9-Aug-21	2.87	16.00	4.70	2.99	6.99	3.87	0.00	7.47	3.28
10-Aug-21	2.55	9.25	3.89	2.99	6.99	4.00	0.00	7.50	3.47
11-Aug-21	2.70	7.62	3.67	2.99	6.99	5.85	0.00	8.00	4.04
12-Aug-21	2.76	7.10	3.79	-	-	-	0.00	6.44	3.49
13-Aug-21	3.10	9.85	4.73	-	-	-	0.00	6.10	3.29
14-Aug-21	2.95	9.85	4.69	-	-	-	0.00	6.79	3.20
15-Aug-21	1.50	6.49	3.23	-	-	-	0.00	8.00	3.79
16-Aug-21	2.70	9.98	4.73	-	-	-	0.00	8.00	5.78
17-Aug-21	3.05	10.49	5.38	4.99	6.99	6.10	1.11	8.00	6.03
18-Aug-21	3.55	12.50	6.65	-	-	-	0.00	7.83	5.46
19-Aug-21	3.19	12.50	5.99	6.99	8.99	8.33	0.00	7.61	4.40
20-Aug-21	3.07	12.00	5.70	4.99	4.99	4.99	0.00	8.00	3.64
21-Aug-21	3.10	9.79	5.46	4.99	6.99	5.72	0.00	7.52	4.28
22-Aug-21	2.62	4.09	3.31	-	-	-	0.00	6.82	2.76
23-Aug-21	2.75	9.77	4.52	-	-	-	0.00	7.32	3.62
24-Aug-21	3.10	12.00	5.33	-	-	-	0.00	8.00	5.14
25-Aug-21	3.19	13.00	5.57	-	-	-	0.00	8.00	5.49
26-Aug-21	3.20	14.50	6.76	-	-	-	0.00	8.00	6.65
27-Aug-21	3.73	16.00	7.85	-	-	-	1.60	8.00	7.62
28-Aug-21	5.10	17.00	9.47	-	-	-	0.00	8.00	6.75
29-Aug-21	3.10	20.00	8.50	-	-	-	0.00	8.00	5.90
30-Aug-21	3.40	19.96	9.23	4.90	6.99	5.60	0.00	8.00	6.03
31-Aug-21	3.10	16.00	6.63	4.99	8.99	6.95	0.00	7.30	3.81
	1.10[#]	20.00[#]	5.23	2.41[#]	8.99[#]	4.19	0.00[#]	8.00[#]	4.35

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

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

** Simple average price of DSM of 96 time blocks of 15 minutes each in a day. DSM price includes Ceiling DSM Rate +40% additional DSM charge.

Maximum/Minimum in the month

Table-24: PRICE OF REAL TIME MARKET TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh), AUGUST 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-Aug-21	0.80	3.50	2.19	--	--	--
2-Aug-21	1.75	6.00	3.20	--	--	--
3-Aug-21	1.50	9.50	3.95	--	--	--
4-Aug-21	1.50	6.00	3.33	--	--	--
5-Aug-21	2.45	9.00	4.18	--	--	--
6-Aug-21	1.96	10.00	4.22	--	--	--
7-Aug-21	3.16	9.78	4.58	--	--	--
8-Aug-21	2.07	5.00	3.17	--	--	--
9-Aug-21	1.50	7.50	3.17	--	--	--
10-Aug-21	1.50	6.10	3.16	--	--	--
11-Aug-21	2.54	12.00	4.20	--	--	--
12-Aug-21	2.76	11.68	5.33	--	--	--
13-Aug-21	2.74	11.80	4.59	--	--	--
14-Aug-21	1.40	11.65	3.18	--	--	--
15-Aug-21	1.20	5.01	3.01	--	--	--
16-Aug-21	1.00	15.00	5.65	--	--	--
17-Aug-21	4.00	17.00	7.56	--	--	--
18-Aug-21	3.07	11.80	4.62	--	--	--
19-Aug-21	1.50	11.78	3.45	--	--	--
20-Aug-21	2.00	11.78	3.83	--	--	--
21-Aug-21	1.96	8.90	3.63	--	--	--
22-Aug-21	1.80	4.00	2.75	--	--	--
23-Aug-21	1.96	11.99	4.14	--	--	--
24-Aug-21	2.71	16.50	5.67	--	--	--
25-Aug-21	3.80	19.00	7.35	--	--	--
26-Aug-21	3.83	17.00	7.48	--	--	--
27-Aug-21	4.90	20.00	11.42	--	--	--
28-Aug-21	6.00	20.00	11.77	--	--	--
29-Aug-21	1.50	11.95	4.28	--	--	--
30-Aug-21	2.00	12.00	4.35	--	--	--
31-Aug-21	1.88	7.50	3.27	--	--	--
	0.80[#]	20.00[#]	5.07	--	--	--

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),
AUGUST 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	1699.27	1699.27	16.03	879.68	863.64	89.63	80.44	9.19	2572.11
HARYANA	1.82	1842.02	1840.19	30.36	408.91	378.55	57.05	45.73	11.32	2230.07
RAJASTHAN	337.48	109.88	-227.60	159.21	801.09	641.88	163.67	50.72	112.95	527.23
DELHI	0.00	1031.93	1031.93	277.46	152.10	-125.36	13.95	41.30	-27.35	879.22
U P	0.10	648.38	648.28	642.70	228.98	-413.72	70.63	107.93	-37.31	197.25
UTTARAKHAND	318.88	10.19	-308.69	0.00	122.76	122.76	27.52	18.05	9.47	-176.46
HIMACHAL P	848.52	0.66	-847.85	438.75	23.98	-414.77	48.76	5.07	43.69	-1218.93
J & K	141.17	0.00	-141.17	451.83	2.72	-449.11	40.54	27.25	13.29	-576.99
CHANDIGARH	0.00	0.00	0.00	29.65	0.88	-28.77	5.98	7.03	-1.05	-29.82
MP	475.32	156.92	-318.40	137.31	169.14	31.83	78.39	51.79	26.60	-259.97
MAHARASHTRA	7.44	315.19	307.75	119.41	490.38	370.97	31.53	122.09	-90.57	588.15
GUJARAT	84.33	12.33	-72.00	86.79	2750.72	2663.93	62.21	77.41	-15.20	2576.72
CHHATTISGARH	1.45	104.96	103.52	103.82	38.93	-64.89	45.45	17.97	27.47	66.10
GOA	22.32	50.30	27.98	9.15	10.72	1.57	7.70	13.56	-5.86	23.69
DAMAN AND DIU	0.00	2.30	2.30	0.00	11.52	11.52	11.50	1.23	10.27	24.09
DADRA & NAGAR H	0.00	66.87	66.87	0.92	34.12	33.20	10.02	3.62	6.40	106.47
ANDHRA P	16.08	15.59	-0.49	29.64	854.80	825.16	63.89	50.83	13.06	837.73
KARNATAKA	445.18	18.39	-426.79	661.87	32.04	-629.83	50.90	68.55	-17.66	-1074.27
KERALA	36.25	0.00	-36.25	311.53	16.55	-294.99	48.22	65.60	-17.38	-348.62
TAMIL NADU	367.86	248.64	-119.22	49.50	340.62	291.13	16.47	40.20	-23.73	148.18
PONDICHERRY	0.00	0.00	0.00	0.00	0.00	0.00	56.54	82.27	-25.72	-25.72
TELANGANA	33.90	95.60	61.70	535.72	155.76	-379.95	1.81	1.85	-0.04	-318.29
WEST BENGAL	28.88	318.89	290.02	133.25	161.34	28.10	27.65	50.06	-22.41	295.70
ODISHA	20.19	297.71	277.52	495.93	52.81	-443.12	26.43	32.21	-5.78	-171.38
BIHAR	0.00	163.12	163.12	159.65	218.89	59.24	37.19	45.45	-8.26	214.11
JHARKHAND	0.00	106.09	106.09	31.59	21.64	-9.96	12.55	22.37	-9.82	86.31
SIKKIM	81.45	57.61	-23.85	13.21	0.23	-12.98	2.13	3.57	-1.44	-38.26
DVC	204.99	22.11	-182.89	4.39	47.95	43.56	17.01	58.23	-41.22	-180.55
ARUNACHAL P	4.80	0.00	-4.80	20.85	0.81	-20.03	7.29	3.18	4.11	-20.72
ASSAM	0.00	3.01	3.01	53.13	138.24	85.11	18.04	9.05	8.98	97.10
MANIPUR	38.96	0.00	-38.96	9.35	6.25	-3.10	3.27	1.64	1.63	-40.43
MEGHALAYA	29.12	0.00	-29.12	50.06	0.77	-49.29	2.39	7.65	-5.26	-83.67
MIZORAM	0.00	0.00	0.00	10.32	0.00	-10.32	1.57	2.71	-1.13	-11.45
NAGALAND	1.25	0.00	-1.25	3.12	0.00	-3.12	1.15	2.73	-1.58	-5.95
TRIPURA	0.00	0.00	0.00	24.67	0.95	-23.72	2.52	11.27	-8.74	-32.46
NTPC STNS-NR	0.00	0.00	0.00	44.94	0.00	-44.94	112.70	41.69	71.01	26.07
NHPC STNS	0.00	0.00	0.00	0.00	0.00	0.00	10.31	129.68	-119.37	-119.37
NFF	0.00	0.00	0.00	0.00	0.00	0.00	0.77	0.20	0.57	0.57
RAIL	0.00	0.00	0.00	0.00	0.00	0.00	21.36	0.37	20.99	20.99
NEP	0.00	0.00	0.00	0.00	0.00	0.00	7.77	1.38	6.40	6.40
NAPP	0.00	0.00	0.00	0.00	0.00	0.00	8.84	6.19	2.65	2.65
RAP B	0.00	0.00	0.00	0.00	0.00	0.00	0.86	2.18	-1.32	-1.32
NJPC	0.00	0.00	0.00	0.00	0.00	0.00	1.53	12.86	-11.33	-11.33
TEHRI	0.00	0.00	0.00	0.00	0.00	0.00	3.79	5.46	-1.68	-1.68
BBMB	0.00	0.00	0.00	0.00	0.00	0.00	2.52	16.98	-14.46	-14.46
RAP C	0.00	0.00	0.00	0.00	0.00	0.00	6.77	0.80	5.97	5.97
AD HYDRO	56.64	0.00	-56.64	55.50	0.00	-55.50	4.77	4.14	0.63	-111.51
IGSTPS	0.00	0.00	0.00	0.00	0.00	0.00	9.04	1.97	7.07	7.07
KOTESHWAR	0.00	0.00	0.00	0.00	0.00	0.00	1.06	3.00	-1.94	-1.94
KARCHAM WANGT	23.90	0.00	-23.90	42.39	0.10	-42.29	6.72	11.47	-4.75	-70.95
SHREE CEMENT	1.59	0.00	-1.59	51.69	0.00	-51.69	5.36	0.63	4.72	-48.56
LANCO BUDHIL	0.00	0.00	0.00	6.35	0.00	-6.35	0.22	0.31	-0.08	-6.43
RAMPUR HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.32	7.72	-7.40	-7.40
SAINJ HEP	19.90	0.00	-19.90	54.62	0.24	-54.38	1.18	2.86	-1.69	-75.97
RENEW_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.59	1.05	-0.46	-0.46
AZURE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.57	3.22	-1.65	-1.65
SB_SLR	0.00	0.00	0.00	0.00	0.00	0.00	3.01	2.49	0.53	0.53
ACME_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.32	6.19	-4.87	-4.87

AZURE34_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.30	1.54	-0.24	-0.24
TATA_SLR	14.24	0.00	-14.24	0.00	0.00	0.00	4.77	0.83	3.95	-10.29
RENEW_SLR_BKN	0.00	0.00	0.00	0.00	0.00	0.00	2.45	4.85	-2.40	-2.40
CLEAN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	3.76	2.51	1.24	1.24
ARERJL_SLR	48.36	0.00	-48.36	0.00	0.00	0.00	4.86	1.16	3.71	-44.65
ASEJTL_SLR	22.68	0.00	-22.68	0.00	0.00	0.00	0.65	1.19	-0.54	-23.22
SINGOLI BHATWAR	0.00	0.00	0.00	68.64	0.00	-68.64	3.57	8.41	-4.84	-73.48
AZURE43_SLR	14.62	0.00	-14.62	0.00	0.00	0.00	1.78	0.58	1.20	-13.42
MRPL	46.40	0.00	-46.40	0.00	0.00	0.00	3.45	3.64	-0.18	-46.59
SB6_POKARAN	0.00	0.00	0.00	0.00	0.00	0.00	4.30	3.73	0.57	0.57
EDEN_SLR	25.91	0.00	-25.91	0.00	0.00	0.00	2.18	2.40	-0.22	-26.13
SBSR_SLR	3.27	0.00	-3.27	0.00	0.00	0.00	0.50	0.18	0.32	-2.95
RENEW_SW_SLR	17.87	0.00	-17.87	0.00	0.00	0.00	1.77	1.23	0.54	-17.33
ADANIHB_SLR	8.74	0.00	-8.74	0.00	0.00	0.00	1.11	11.90	-10.79	-19.53
ADANIHB_WIND	3.55	0.00	-3.55	0.68	0.00	-0.68	0.00	0.00	0.00	-4.23
ADANI_SLR	12.33	0.00	-12.33	0.00	0.00	0.00	0.00	0.00	0.00	-12.33
NTPC STNS-WR	0.00	0.00	0.00	28.28	0.00	-28.28	215.33	69.43	145.90	117.61
BHADRAVATHI HVI	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.03	0.08	0.08
VINDHYACHAL HVI	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.23	-0.23	-0.23
JINDAL POWER	53.20	0.00	-53.20	431.77	6.69	-425.09	1.94	6.37	-4.43	-482.72
LANKO_AMK	9.90	0.00	-9.90	0.00	0.00	0.00	0.39	2.65	-2.26	-12.15
NSPCL	0.00	0.00	0.00	0.08	0.00	-0.08	2.74	1.25	1.49	1.41
ACBIL	0.00	0.00	0.00	49.25	0.00	-49.25	2.79	3.27	-0.48	-49.73
BALCO	0.00	0.00	0.00	0.22	0.00	-0.22	22.13	1.89	20.24	20.01
RGPPL	0.00	0.00	0.00	5.51	0.00	-5.51	39.95	4.13	35.82	30.31
CGPL	0.00	0.00	0.00	0.24	0.00	-0.24	13.76	0.93	12.830	12.595
DCPP	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.38	0.22	0.22
EMCO	0.00	0.00	0.00	0.00	0.00	0.00	3.02	0.56	2.46	2.46
KSK MAHANADI	62.72	0.00	-62.72	0.00	0.00	0.00	1.93	2.30	-0.37	-63.09
ESSAR POWER	210.21	0.00	-210.21	80.15	4.88	-75.28	7.48	5.89	1.59	-283.89
JINDAL STAGE-II	54.06	0.00	-54.06	282.96	1.42	-281.54	3.72	5.42	-1.71	-337.30
DB POWER	381.45	0.00	-381.45	10.99	0.00	-10.99	14.90	1.16	13.74	-378.70
DHARIWAL POWER	0.00	0.00	0.00	1.48	0.00	-1.48	2.09	0.65	1.43	-0.05
JAYPEE NIGRIE	186.39	0.00	-186.39	75.16	0.00	-75.16	6.41	4.70	1.70	-259.85
DGEN MEGA POWER	0.00	0.00	0.00	0.00	0.00	0.00	1.44	0.00	1.44	1.44
MB POWER	92.98	0.00	-92.98	132.67	0.00	-132.67	21.82	3.32	18.49	-207.16
MARUTI COAL	0.00	0.00	0.00	41.33	0.00	-41.33	0.00	0.00	0.00	-41.33
JHABUA POWER_MI	36.28	0.00	-36.28	24.36	0.00	-24.36	3.11	2.51	0.60	-60.04
SASAN UMPP	0.00	0.00	0.00	13.32	0.00	-13.32	1.49	50.43	-48.94	-62.27
TRN ENERGY	0.00	0.00	0.00	0.00	0.00	0.00	0.32	2.32	-2.00	-2.00
RKM POWER	166.46	0.00	-166.46	59.78	0.00	-59.78	7.73	4.74	2.99	-223.25
SKS POWER	164.05	0.00	-164.05	0.08	0.00	-0.08	1.98	0.59	1.39	-162.73
BARC	0.00	0.00	0.00	0.00	0.00	0.00	0.01	3.04	-3.03	-3.03
KAPP 3&4	0.00	0.00	0.00	0.00	0.00	0.00	7.86	0.00	7.86	7.86
HVDC CHAMPA	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.08	0.14	0.14
MAHINDRA_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	5.07	5.90	-0.83	-0.83
ARINSUM_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.02	6.15	-2.12	-2.12
OSTRO	0.00	0.00	0.00	0.00	0.00	0.00	4.45	8.85	-4.40	-4.40
ACME_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	5.32	5.61	-0.29	-0.29
RENEW_BHACHAU	0.00	0.00	0.00	0.00	0.00	0.00	6.88	7.93	-1.05	-1.05
GIWEL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	7.78	16.89	-9.11	-9.11
INOX_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	4.71	6.08	-1.36	-1.36
AGEMPL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	13.02	9.76	3.27	3.27
REGL	294.49	0.00	-294.49	17.90	0.00	-17.90	0.00	0.00	0.00	-312.38
RPREL	649.42	0.00	-649.42	88.05	0.00	-88.05	5.75	8.36	-2.61	-740.08
AMPS Hazira	0.00	227.53	227.53	0.00	10.00	10.00	20.11	25.27	-5.16	232.38
HVDC RAIGARH	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.07	-0.02	-0.02
RGPPL_IR	0.00	0.00	0.00	3.18	0.00	-3.18	0.00	0.00	0.00	-3.18
RGPPL_Others	0.00	0.00	0.00	0.31	0.00	-0.31	0.00	0.00	0.00	-0.31
ALFANAR_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	5.28	6.99	-1.71	-1.71
RENEW_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	6.19	7.14	-0.95	-0.95
ADANI_WIND	1.57	0.00	-1.57	0.85	0.00	-0.85	0.00	0.00	0.00	-2.42
CONTINNUM PT	0.25	0.00	-0.25	0.00	0.00	0.00	0.00	0.00	0.00	-0.25
TPREL_RADHANESI	0.00	0.00	0.00	0.00	0.00	0.00	1.96	0.79	1.17	1.17
ESPL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	3.21	1.71	1.50	1.50
GIPCL_RADHANESD	0.00	0.00	0.00	0.00	0.00	0.00	1.50	0.96	0.54	0.54

NTPC STNS-SR	0.00	0.00	0.00	281.73	0.00	-281.73	35.60	24.66	10.93	-270.80
LANKO KONDAPAL	0.00	0.00	0.00	0.00	0.00	0.00	0.55	0.00	0.55	0.55
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	308.36	308.36	0.89	0.00	0.89	309.24
COASTGEN	0.00	0.00	0.00	0.00	0.00	0.00	4.01	1.31	2.70	2.70
THERMAL POWER T	0.00	0.00	0.00	0.00	0.00	0.00	15.78	0.73	15.05	15.05
IL&FS	0.00	0.00	0.00	4.64	0.00	-4.64	4.11	0.36	3.75	-0.89
NLC	0.00	0.00	0.00	68.55	0.00	-68.55	23.96	15.44	8.52	-60.03
SEMBCORP	225.63	0.00	-225.63	516.48	0.00	-516.48	13.68	3.94	9.74	-732.38
NETCL VALLUR	0.00	0.00	0.00	0.00	0.00	0.00	18.27	1.57	16.70	16.70
NTPL	0.00	0.00	0.00	0.00	0.00	0.00	5.28	2.74	2.55	2.55
AHSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.00	1.03	-0.04	-0.04
AKSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.90	1.14	-0.24	-0.24
ABSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.98	1.13	-0.16	-0.16
AZURE_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.84	0.12	0.12
TATA_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.45	2.39	-0.94	-0.94
FRV_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.96	-0.02	-0.02
NTPC_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	3.84	3.82	0.02	0.02
GIWEL_TCN	0.00	0.00	0.00	0.00	0.00	0.00	10.36	8.44	1.92	1.92
MYTRAH_TCN	0.00	0.00	0.00	0.00	0.00	0.00	9.32	5.90	3.42	3.42
FRV_NPK	0.00	0.00	0.00	0.00	0.00	0.00	1.07	0.98	0.09	0.09
ORANGE_TCN	0.00	0.00	0.00	0.00	0.00	0.00	7.96	10.70	-2.75	-2.75
BETAM_TCN	0.00	0.00	0.00	0.00	0.00	0.00	7.33	8.29	-0.97	-0.97
SBG_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	4.18	4.47	-0.29	-0.29
SBG_NPK	0.00	0.00	0.00	0.00	0.00	0.00	5.27	5.24	0.03	0.03
FORTUM1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.72	1.86	-0.13	-0.13
PARAM_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	3.03	2.91	0.12	0.12
YARROW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.07	-0.16	-0.16
TATA_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	7.39	7.29	0.10	0.10
RENEW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.38	0.93	0.45	0.45
AKS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.91	1.03	-0.12	-0.12
ARS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.21	0.85	0.36	0.36
AVAADA1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	3.34	2.74	0.60	0.60
ADY1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.92	1.12	-0.20	-0.20
ADY2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.97	1.12	-0.15	-0.15
ADY13_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.96	0.98	-0.02	-0.02
ADY3_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.72	1.26	-0.54	-0.54
ADY6_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.74	1.24	-0.49	-0.49
ADY10_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.05	0.99	0.06	0.06
AZURE_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.86	2.14	-0.29	-0.29
FORTUM2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	4.37	4.03	0.34	0.34
AVAADA2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	3.00	2.82	0.18	0.18
KREDL_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.60	1.37	-0.77	-0.77
AYANA_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	5.08	4.77	0.31	0.31
SPRNG_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	4.69	5.80	-1.11	-1.11
SPRING_PUGALUR	0.00	0.00	0.00	0.00	0.00	0.00	8.52	5.15	3.36	3.36
NTPC STNS-ER	0.00	0.00	0.00	7.93	0.00	-7.93	65.07	29.67	35.39	27.47
MAITHON POWER L	0.00	0.00	0.00	0.00	0.00	0.00	2.54	4.27	-1.73	-1.73
NPGC	0.00	0.00	0.00	0.00	0.00	0.00	7.30	3.57	3.73	3.73
ADHUNIK POWER L	106.57	0.00	-106.57	7.10	0.00	-7.10	3.45	2.53	0.92	-112.74
CHUZACHEN HEP	0.00	0.00	0.00	11.72	0.00	-11.72	0.19	0.87	-0.68	-12.40
RANGIT HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.64	0.11	0.11
GMR KAMALANGA	0.00	0.00	0.00	40.12	0.00	-40.12	1.48	8.51	-7.03	-47.15
JITPL	441.97	0.00	-441.97	101.52	0.00	-101.52	4.28	1.96	2.32	-541.16
TEESTA HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.19	2.07	-1.88	-1.88
DAGACHU	91.87	0.00	-91.87	0.00	0.00	0.00	12.94	0.00	12.94	-78.93
JORETHANG	9.49	0.00	-9.49	66.14	0.97	-65.17	4.10	0.04	4.05	-70.61
NEPAL(NVVN)	0.00	0.00	0.00	0.00	3.49	3.49	22.57	5.39	17.17	20.66
BANGLADESH	0.00	0.00	0.00	0.00	0.00	0.00	2.63	1.55	1.08	1.08
HVDC PUS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.11	-0.10	-0.10
TEESTA STG3	426.61	0.00	-426.61	307.70	0.00	-307.70	5.15	0.84	4.32	-729.99
DIKCHU HEP	31.98	0.00	-31.98	45.50	0.00	-45.50	0.30	0.67	-0.37	-77.86
HVDC ALPD	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.06	0.04	0.04
TASHIDENG HEP	10.19	0.00	-10.19	68.22	0.89	-67.33	4.03	1.10	2.93	-74.59
BRBCL,NABINAGAR	0.00	0.00	0.00	0.00	0.00	0.00	7.77	3.53	4.23	4.23
MTPS II	0.00	0.00	0.00	0.00	0.00	0.00	2.85	1.78	1.07	1.07

TALA HEP	0.00	0.00	0.00	0.00	0.00	0.00	154.08	6.63	147.45	147.45
CHUKHA HEP	0.00	0.00	0.00	0.00	0.00	0.00	14.84	78.51	-63.67	-63.67
KURICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	2.54	4.95	-2.42	-2.42
MANGDECHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	5.63	11.74	-6.11	-6.11
RONGNICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.51	0.39	0.39
NTPC STNS-NER	0.22	0.00	-0.22	36.55	0.00	-36.55	12.27	1.61	10.66	-26.10
NEEPCO STNS	0.00	0.00	0.00	167.76	0.00	-167.76	2.04	8.42	-6.39	-174.15
RANGANADI HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.68	2.21	-1.52	-1.52
DOYANG HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.39	-0.30	-0.30
ONGC PALATANA	49.78	0.00	-49.78	7.79	0.00	-7.79	1.07	1.66	-0.59	-58.17
LOKTAK	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.22	0.09	0.09
PARE HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.67	-0.14	-0.14
<i>Source: NLDC</i>										
<i>* 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.</i>										
<i>** (-) indicates sale and (+) indicates purchase,</i>										
<i>*** Total net includes net of transactions through bilateral, power exchange and DSM</i>										