

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)
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_SOLAR	Adani Hybrid Energy Jaisalmer Two Limited (Solar)
AHEJ3L_SOLAR	Adani Hybrid Energy Jaisalmer Three Limited (Solar)
AHEJ4L_SOLAR	Adani Hybrid Energy Jaisalmer Four Limited-Hybrid Solar
AHEJ4L_WIND	Adani Hybrid Energy Jaisalmer Four Limited-Hybrid Wind
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
AVADARJHN_SLR	Avaada Rjhn Private Limited_Solar
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	ChuzachenHydro Electric Power Project
CLEAN_SLR	Clean Solar Power Pvt. Ltd
CLEANSPL_SLR	Clean Solar Jodhpur 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
DD&DNH	Daman and Diu & Dadar Nagar Haveli
DGEN MEGA POWER	DGEN Mega Power Project
DGPCL Bhutan	Druk Green Power Corporation Ltd., Bhutan
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	GMR Kamalanga Energy Ltd.
G-DAM	Green Day Ahead Market
G-TAM	Green Term Ahead Market
HPX	Hindustan Power Exchange Limited
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-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
NCR ALLAHABAD	North Central Railway, Allahabad
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_BKN	Renew Solar Bikaner
RENEWJH_SLR	Renew Solar Energy (Jharkhand Three) Private Limited
RENEWURJA_SLR	ReNew Solar Urja 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
RSTPS_FSPP	NTPC Ramagundam STPS- Floating Solar PV Project
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
SIMHAPURI	Simhapuri Energy Private Limited
SKS Power	SKS Power Generation Chhattisgarh Limited
SESPL	Srijan Energy Systems Pvt. Ltd.
SINGOLI BHATWARI HEP	Singoli-Bhatwari Hydroelectric Project, Uttarakhand
SKRPL	Sitac Kabini Renewables Pvt. 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
THAR1_SLR	Thar Surya Ravi One Pvt Ltd
THERMAL POWERTECH	Thermal Powertech Corporation India Limited
TPREL_RADHANESDA	Tata Power Renewable Energy Limited, Radhanesda
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), Power Exchange India Ltd (PXIL) and Hindustan Power Exchange Ltd (HPX)), 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 2022** is presented in the following sections.

2. Volume of Short-term Transactions of Electricity

2.1. During October 2022, total electricity generation, excluding generation from renewable and captive power plants in India was 109591.08 MU (Table-1). Of the total electricity generation, 12.55% was transacted through short-term, comprising of 6.28% through power exchanges {Day Ahead Market (DAM) (including G-DAM) and Real Time Market (RTM)}, followed by 4.14% through bilateral (through traders and term-ahead contracts on power exchanges, and directly between distribution companies) and 2.12% through DSM (Table-1 & Figure-1).

2.2. Of the total short-term transactions (13752.92 MU), 50.07% was transacted through power exchanges {DAM (including G-DAM) and RTM}, followed by 33.01% through bilateral (23.08% through traders and term-ahead contracts on power exchanges, and 9.93% directly between distribution companies) and 16.92% through DSM (Table-1 & Figure-2). Daily volume of short-term transactions is shown in Table-26 & Figure-4.

2.3. Of the total volume of electricity transacted through power exchanges, 57.57% of the volume was transacted in DAM (including G-DAM), followed by 28.21% in RTM and 14.22% 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 46 trading licensees as of October 2022. Of which, 29 trading licensees were engaged in short-term trading. The top 5 trading licensees, namely PTC India Ltd., NTPC Vidyut Vyapar Nigam Ltd., Tata Power Trading Company (P) Ltd., Manikaran Power Ltd. and Kreate Energy (I) Pvt. Ltd. had a share of 83.74% 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 0.2210 for the month of October 2022, which indicates moderate concentration of market power (Table-2).

2.6. The volume of electricity transacted in the DAM of IEX and PXIL was 4325.01 MU, and 3.01 MU respectively. No electricity was transacted through DAM of HPX. The volume of total buy bids and sell bids was 6459.09 MU and 10661.61 MU respectively in IEX, while the same was 78.97 MU and 105.99 MU respectively in PXIL. No bids were received in HPX.

2.7. Of the total volume of electricity transacted in the DAM of IEX, volume sold by the neighboring countries of India was 250.94 MU and the volume purchased was 0.49 MU, under the Cross Border Trade of electricity through power exchange (Table-30). No Cross Border transaction of electricity was undertaken through PXIL and HPX.

2.8. The volume of electricity transacted in the G-DAM of IEX was 292.93 MU, while no electricity was transacted in the G-DAM of PXIL and HPX. The volume of total buy bids and

sell bids was 1184.94 MU and 701.25 MU respectively in IEX, while no bids were received in PXIL and HPX.

2.9. The volume of electricity transacted in the RTM of IEX was 2264.59 MU, while no electricity was transacted in the RTM of PXIL and HPX. The volume of total buy bids and sell bids was 3137.65 MU and 3792.61 MU respectively in IEX. The volume of total sell bids was 0.01 MU in PXIL, while no buy bids were received. No bids were received in HPX. The variation in the volume of buy bids and sell bids placed through power exchanges shows variation in the demand and supply position.

2.10. The volume of electricity transacted in the TAM of IEX, PXIL and HPX was 621.37 MU, 299.40 MU and 89.30 MU respectively (Table-8, Table-9 & Table-10). The volume of electricity transacted in the Green Term Ahead Market (G-TAM) of IEX and PXIL was 98.35 MU and 32.86 MU respectively (Table-11 & Table-12). No electricity was transacted in G-TAM of HPX.

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 ₹2.70/kWh, ₹9.25/kWh and ₹6.39/kWh respectively (Table-3). The weighted average sale prices were also computed for the electricity transacted during Round the Clock (RTC) and Off-peak periods separately, and the sale prices were ₹6.63/kWh and ₹4.90/kWh respectively. No electricity was transacted through traders during Peak periods (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 ₹1.12/kWh, ₹12.00/kWh and ₹3.96/kWh respectively. These prices in the DAM of PXIL were ₹0.53/kWh, ₹12.00/kWh and ₹4.40/kWh respectively (Table-5). The minimum, maximum and weighted average prices for the electricity transacted in the G-DAM of IEX were ₹2.58/kWh, ₹12.00/kWh and ₹4.02/kWh respectively (Table-6). The minimum, maximum and weighted average prices for the electricity transacted in the RTM of IEX were ₹0.05/kWh, ₹12.00/kWh and ₹3.74/kWh respectively (Table-7). The weighted average price of electricity transacted in the TAM of IEX, PXIL and HPX was ₹4.86/kWh, ₹4.17/kWh and ₹4.99/kWh respectively

(Table-8, Table-9 and Table-10). The weighted average price of electricity transacted in the G-TAM of IEX and PXIL was ₹4.06/kWh and ₹4.29/kWh respectively (Table-11 and Table-12). No electricity was transacted in G-DAM & RTM of PXIL and in DAM, G-DAM, RTM & G-TAM of HPX.

3.3. **Price of electricity transacted through DSM:** The minimum, maximum and average price of DSM was ₹0.00/kWh, ₹8.00/kWh and ₹3.44/kWh respectively (Table-13).

3.4. The comparison of weighted average prices of electricity transacted through trading licensees, power exchanges & average price of DSM are shown in Figure-6. The daily prices of electricity transacted through power exchanges & DSM and their comparison are shown in Table-27(a), (b) & (c) 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 ₹0.034/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 26.89% of the volume. These were Teesta Stage 3 Hydro Power Project, Raipur Energen Limited, Sembcorp Gayatri Power Ltd., Delhi and Jindal India Thermal Power Ltd. (Table-14). Top 5 regional entities/states purchased 62.29% of the volume, and these were Maharashtra, Gujarat, Haryana, Delhi and Odisha (Table-15).

5.2. Of the total DAM transactions at power exchanges, top 5 regional entities/states sold 52.59% of the volume, and these were Uttar Pradesh, West Bengal, Telangana, Madhya Pradesh and Chhattisgarh (Table-16). Top 5 regional entities/states purchased 66.74% of the

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.

volume, and these were Gujarat, Andhra Pradesh, Punjab, Rajasthan and Uttar Pradesh (Table-17).

5.3. Of the total G-DAM transactions at power exchanges, top 5 regional entities/states sold 89.30% of the volume, and these were Karnataka, Telangana, Andhra Pradesh, Adani Wind Energy and NTPC Stations (Southern Region) (Table-18). Top 5 regional entities/states purchased 59.01% of the volume, and these were Maharashtra, Haryana, Delhi, DVC and Assam (Table-19).

5.4. Of the total RTM transactions at power exchanges, top 5 regional entities/states sold 62.64% of the volume, and these were Madhya Pradesh, Telangana, Bihar, Uttar Pradesh and West Bengal (Table-20). Top 5 regional entities/states purchased 61.31% of the volume, and these were Rajasthan, Punjab, Jammu & Kashmir, Maharashtra and Gujarat (Table-21).

5.5. Of the total under drawal in October 2022, top 5 regional entities/states under drew 28.58% of the volume, and these were Kakrapar Atomic Power Station Unit 3 & 4, Chhukha Hydroelectric Project Bhutan, Madhya Pradesh, NTPC Stations (Western Region) and NHPC Stations (Table-22). Top 5 regional entities/states overdraw 26.57% of the total over drawal volume, and these were NTPC Stations (Western Region), Tala Hydroelectric Project Bhutan, NTPC Stations (Northern Region), Rajasthan and NTPC Stations (Eastern Region) (Table-23).

5.6. 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-24 & 28. Top 5 electricity selling regional entities/states were Madhya Pradesh, Telangana, Uttar Pradesh, Karnataka and West Bengal. Top 5 electricity purchasing regional entities/states were Gujarat, Maharashtra, Rajasthan, Punjab and Andhra Pradesh.

6. Congestion² on Inter-State Transmission Corridor for Day-Ahead Market and Real Time Market on Power Exchanges

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

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 2022, no congestion was experienced in any of the power exchanges (Table-25).

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. The details of REC transactions for the month of October 2022 are shown in Table-29. The market clearing volume of solar RECs transacted on IEX, PXIL and HPX were 182516, 91600 and 324 respectively, and the weighted average market clearing price of these RECs was

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.

₹1000/MWh in IEX, ₹1000/MWh in PXIL and ₹1000/MWh in HPX. Market clearing volume of non-solar RECs transacted on IEX, PXIL and HPX were 175604, 82000 and 65 respectively, and the weighted average market clearing price of these RECs was ₹1000/MWh in IEX, ₹1000/MWh in PXIL and ₹1000/MWh in HPX.

7.4. The gap between the volume of buy and sell bids of RECs placed through power exchanges shows the variation in demand for both solar and non-solar RECs. For Solar RECs, the ratio of buy bids to sell bids was 0.04, 0.05 and 1.00 in IEX, PXIL and HPX respectively. For non-solar RECs, the ratio of buy bids to sell bids 0.04, 0.03 and 1.00 in IEX, PXIL and HPX respectively.

8. Inferences:

- a) The percentage of short-term transactions of electricity to total electricity generation was 12.55%.
- b) Of the total short-term transactions (13752.92 MU), 50.07% was transacted through power exchanges {DAM (including G-DAM) and RTM}, followed by 33.01% through bilateral (23.08% through traders and term-ahead contracts on power exchanges, and 9.93% directly between distribution companies) and 16.92% through DSM.
- c) Of the total volume of electricity transacted through power exchanges, 57.57% of the volume was transacted in DAM (including G-DAM), followed by 28.21% in RTM and 14.22% in Term Ahead Market (TAM) (including G-TAM).
- d) Top 5 trading licensees had a share of 83.74% 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 0.2210, indicating moderate concentration of market power.
- f) The weighted average sale price of electricity transacted through trading licensees was ₹6.39/kWh.
- g) The weighted average price of electricity transacted in DAM of IEX and PXIL was ₹3.96/kWh and ₹4.40/kWh respectively, while no electricity was transacted in DAM of HPX. The weighted average price of electricity transacted in G-DAM of IEX was

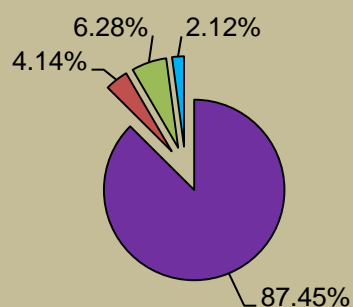
₹4.02/kWh, while no electricity was transacted in G-DAM of PXIL and HPX. The weighted average price of electricity transacted in RTM of IEX was ₹3.74/kWh. No electricity was transacted in the RTM of PXIL and HPX.

- h) The weighted average price of electricity transacted in the TAM of IEX, PXIL and HPX was ₹4.86/kWh, ₹4.17/kWh and ₹4.99/kWh respectively. The weighted average price of electricity transacted in the G-TAM of IEX and PXIL was ₹4.06/kWh and ₹4.29/kWh respectively. No electricity was transacted in G-TAM of HPX.
- i) The average price of electricity transacted through DSM was ₹3.44/kWh.
- j) The weighted average trading margin charged by the trading licensees for bilateral transactions was ₹0.034/kWh, which was in line with the Trading Licence Regulations 2020.
- k) Top 5 electricity selling regional entities/states were Madhya Pradesh, Telangana, Uttar Pradesh, Karnataka and West Bengal. Top 5 electricity purchasing regional entities/states were Gujarat, Maharashtra, Rajasthan, Punjab and Andhra Pradesh.
- l) During the month of October 2022, no congestion was experienced in any of the power exchanges.
- m) The market clearing volume of solar RECs transacted on IEX, PXIL and HPX were 182516, 91600 and 324 respectively, and the weighted average market clearing price of these RECs was ₹1000/MWh in IEX, ₹1000/MWh in PXIL and ₹1000/MWh in HPX. Market clearing volume of non-solar RECs transacted on IEX, PXIL and HPX were 175604, 82000 and 65 respectively, and the weighted average market clearing price of these RECs was ₹1000/MWh in IEX, ₹1000/MWh in PXIL and ₹1000/MWh in HPX.

Table-1: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (ALL INDIA), OCTOBER 2022				
Sr. No	Short-term transactions	Volume (MU)	% to Volume of short-term transactions	% to Total Generation
1	Bilateral	4539.86	33.01	4.14
	(i) Through Traders and PXs	3174.42	23.08	2.90
	(ii) Direct	1365.44	9.93	1.25
2	Through Power Exchanges	6885.55	50.07	6.28
	(i) IEX			
	(a) DAM	4325.01	31.45	3.95
	(b) RTM	2264.59	16.47	2.07
	(c) GDAM	292.93	2.13	0.27
	(ii) PXIL			
	(a) DAM	3.01	0.02	0.00
	(b) RTM	0.00	0.00	0.00
	(c) GDAM	0.00	0.00	0.00
	(ii) HPX			
	(a) DAM	0.00	0.00	0.00
	(b) RTM	0.00	0.00	0.00
	(c) GDAM	0.00	0.00	0.00
3	Through DSM	2327.51	16.92	2.12
	Total Short-term transactions	13752.92	-	12.55
	Total Generation	109591.08	-	-

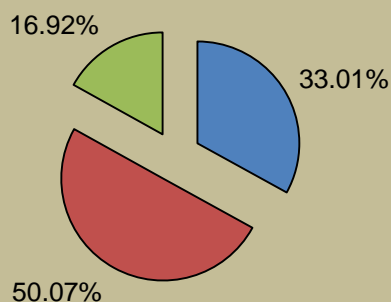
Source: NLDC

Figure-1: Volume of Various Kinds of Electricity Transactions in Total Electricity Generation, October 2022



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

Figure-2: Volume of Short-term Transactions of Electricity, October 2022



■ Bilateral ■ Power Exchanges ■ DSM

Figure-3: Volume transacted in different markets segments on Power Exchanges, October 2022

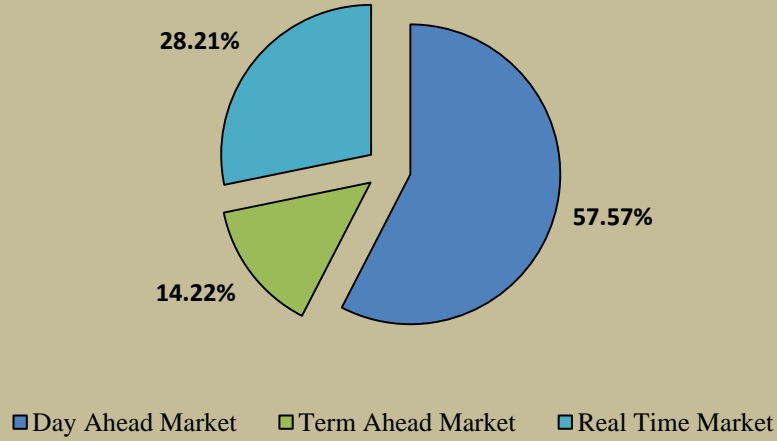


Figure-4: Volume of Short-term Transactions of Electricity, October 2022 (Day-wise)

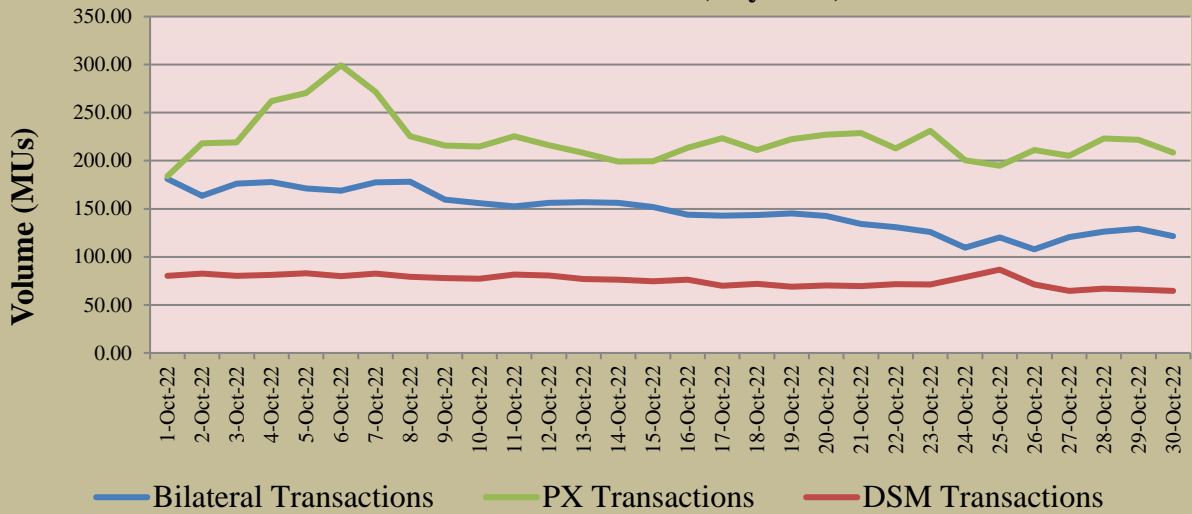


Table-2: PERCENTAGE SHARE OF ELECTRICITY TRANSACTED BY TRADING LICENSEES, OCTOBER 2022			
Sr. No	Name of the Trading Licensee	% Share in total Volume transacted by Trading Licensees	Herfindahl-Hirschman Index
1	PTC India Ltd.	36.32	0.1319
2	NTPC Vidyut Vyapar Nigam Ltd.	26.11	0.0682
3	Tata Power Trading Company (P) Ltd.	11.23	0.0126
4	Manikaran Power Ltd.	6.15	0.0038
5	Kreate Energy (I) Pvt. Ltd.	3.94	0.0015
6	Arunachal Pradesh Power Corporation (P) ltd	3.82	0.0015
7	GMR Energy Trading Ltd.	2.37	0.0006
8	Adani Enterprises Ltd.	1.56	0.0002
9	Greenko Energies Pvt Ltd	1.22	0.0001
10	Knowledge Infrastructure Systems (P) Ltd	1.07	0.0001
11	Instinct Infra & Power Ltd.	0.93	0.0001
12	NTPC Ltd.	0.92	0.0001
13	JSW Power Trading Company Ltd	0.74	0.0001
14	NHPC Limited	0.70	0.0000
15	RPG Power Trading Company Ltd.	0.70	0.0000
16	Statkraft Markets Pvt. Ltd.	0.53	0.0000
17	Abja Power Private Limited	0.52	0.0000
18	Kundan International Pvt. Ltd.	0.29	0.0000
19	NLC India Ltd.	0.24	0.0000
20	Gita Power & Infrastructure Private Limited	0.19	0.0000
21	Shree Cement Ltd.	0.13	0.0000
22	Instant Venture Pvt. Ltd.	0.13	0.0000
23	Saranyu Power Trading Private Limited	0.11	0.0000
24	Ideal Energy Solution Pvt. Ltd.	0.06	0.0000
25	Shell Energy Marketing & Trading India Pvt. Ltd.	0.01	0.0000
26	Phillip Commodities India (P) Ltd.	0.01	0.0000
27	Shubheksha Advisors Pvt. Ltd.	0.01	0.0000
28	Altium Energie Private Limited	0.005	0.0000
29	Customized Energy Solutions India (P) Ltd.	0.001	0.0000
TOTAL		100.00%	0.2210
Top 5 trading licensees		83.74%	

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

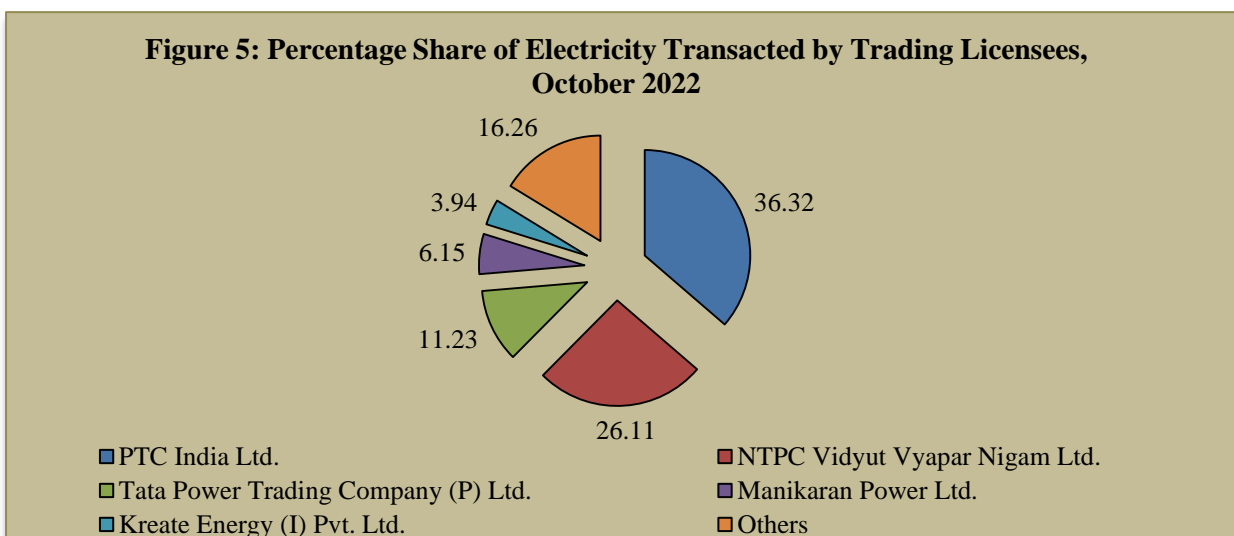


Table-3: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS, OCTOBER 2022		
Sr.No	Item	Sale Price of Traders (₹/kWh)
1	Minimum	2.70
2	Maximum	9.25
3	Weighted Average	6.39

Source: Information submitted by trading licensees

Table-4: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS (TIME-WISE), OCTOBER 2022		
Sr.No	Period of Trade	Sale Price of Traders (₹/kWh)
1	RTC	6.63
2	PEAK	-
3	OFF PEAK	4.90

Source: Information submitted by trading licensees

Table-5: PRICE OF ELECTRICITY TRANSACTED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2022				
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)	Price in HPX (₹/kWh)
1	Minimum	1.12	0.53	-
2	Maximum	12.00	12.00	-
3	Weighted Average	3.96	4.40	-

Source: IEX, PXIL and HPX

Table-6: PRICE OF ELECTRICITY TRANSACTED IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2022				
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)	Price in HPX (₹/kWh)
1	Minimum	2.58	-	-
2	Maximum	12.00	-	-
3	Weighted Average	4.02	-	-

Source: IEX, PXIL and HPX

Table-7: PRICE OF ELECTRICITY TRANSACTED IN REAL TIME MARKET THROUGH POWER EXCHANGES, OCTOBER 2022				
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)	Price in HPX (₹/kWh)
1	Minimum	0.05	-	-
2	Maximum	12.00	-	-
3	Weighted Average	3.74	-	-

Source: IEX, PXIL and HPX

Table-8: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF IEX, OCTOBER 2022

Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Day Ahead Contingency Contracts	523.90	4.27
2	Monthly Contracts	97.46	8.04
	Total	621.37	4.86

Note: Trading of Monthly Contracts was introduced on IEX from 20.07.2022 for contracts up to next 3 months
Source: IEX

Table-9: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF PXIL, OCTOBER 2022

Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	5.15	7.33
2	Day Ahead Contingency Contracts	294.25	4.11
	Total	299.40	4.17

Source: PXIL

Table-10: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF HPX, OCTOBER 2022

Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Day Ahead Contingency Contracts	89.30	4.99
	Total	89.30	4.99

Source: HPX

Table-11: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF IEX, OCTOBER 2022

Sr. No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Day Ahead Contingency Contracts	88.45	3.98
2	Daily Contracts	5.70	4.88
3	Weekly Contracts	4.20	4.50
	Total	98.35	4.06

Source: IEX

Table-12: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF PXIL, OCTOBER 2022

Sr. No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Day Ahead Contingency Contracts	32.86	4.29
	Total	32.86	4.29

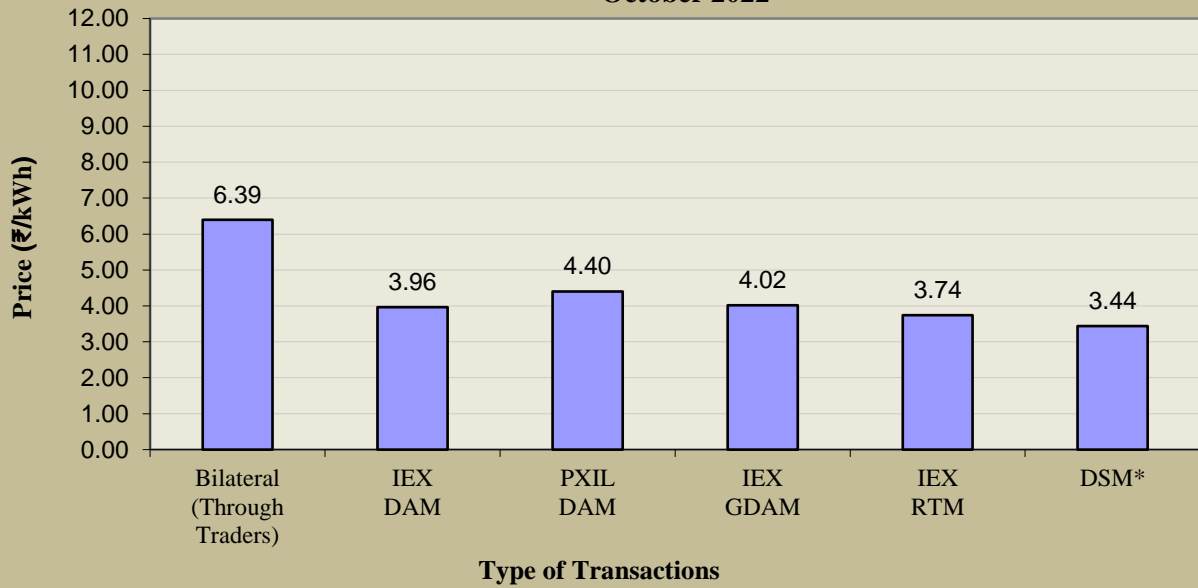
Source: PXIL

Table-13: PRICE OF ELECTRICITY TRANSACTED THROUGH DSM, OCTOBER 2022

Sr. No	Item	Price in All India Grid (₹/kWh)
1	Minimum	0.00
2	Maximum	8.00
3	Average	3.44

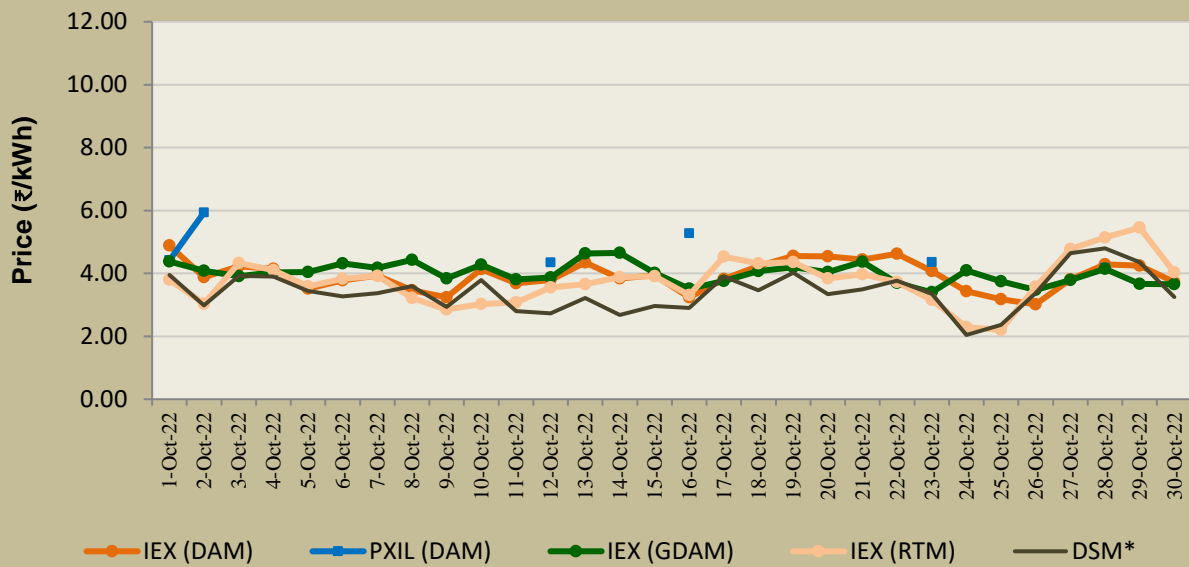
Source: NLDC

Figure-6: Weighted Average Price of Short-term Transactions of Electricity, October 2022



*Note: No electricity was transacted in G-DAM & RTM of PXIL and in DAM, G-DAM & RTM of HPX during October 2022.
* Simple average price of DSM of the month*

Figure-7: Weighted Average Price of Short-term Transactions of Electricity, October 2022 (Day-wise)



Note: On PXIL, transactions were recorded in DAM only on 1st - 2nd, 12th, 16th, 20th, 23rd and 28th October 2022. Further, no electricity was transacted in G-DAM & RTM of PXIL and in DAM, G-DAM & RTM of HPX during October 2022.

** Simple average price of DSM for each day of the month*

Table-14: VOLUME OF ELECTRICITY SOLD THROUGH BILATERAL, OCTOBER 2022		
Name of the Entity	Volume of Sale (MUs)	% of Volume
TEESTA STG3	317.03	6.98
RPREL	294.98	6.50
SEMBCORP	210.63	4.64
DELHI	199.38	4.39
JITPL	198.85	4.38
HIMACHAL PRADESH	184.26	4.06
JINDAL STAGE-II	179.04	3.94
AHEJ4L_SOLAR	155.99	3.44
NEEPCO STATIONS	151.53	3.34
SKS POWER	145.19	3.20
ADHUNIK POWER LTD	137.46	3.03
ESSAR POWER	132.49	2.92
KARNATAKA	129.46	2.85
MP	119.15	2.62
J & K	111.42	2.45
MB POWER	104.70	2.31
TELANGANA	102.95	2.27
JAYPEE NIGRIE	102.52	2.26
JINDAL POWER	94.45	2.08
SHREE CEMENT	85.56	1.88
WEST BENGAL	74.18	1.63
KOLYAT_SLR	72.31	1.59
MEGHALAYA	70.28	1.55
ABC_BHDL2	68.62	1.51
DAGACHU	66.01	1.45
DVC	62.55	1.38
JORETHANG	59.53	1.31
AHEJ4L_WIND	58.92	1.30
TASHIDENG HEP	58.73	1.29
SINGOLI BHATWARI HEP	57.38	1.26
DIKCHU HEP	56.38	1.24
UTTAR PRADESH	51.85	1.14
ACME_HEERGARH	49.44	1.09
TATA_GREEN	48.09	1.06
ODISHA	40.17	0.88
AVAADASN_SLR	38.20	0.84
THAR1_SLR	36.30	0.80
TATA_SLR	34.78	0.77
MAHARASHTRA	33.32	0.73
AD HYDRO	31.78	0.70
DB POWER	30.63	0.67
SORANG HEP	28.42	0.63
UTTARAKHAND	26.75	0.59
RENEW_SR_SLR	23.99	0.53
ARUNACHAL PRADESH	23.77	0.52
HARYANA	18.89	0.42
MANIPUR	15.35	0.34
SBSR_SLR	13.12	0.29
SIKKIM	12.96	0.29

KARCHAM WANGTOO	11.19	0.25
BIHAR	10.23	0.23
JHARKHAND	9.73	0.21
CLEAN_SLR	9.49	0.21
NTPC STATIONS-SR	8.70	0.19
KERALA	7.89	0.17
CHHATTISGARH	7.58	0.17
TRN ENERGY	7.44	0.16
REGL	7.35	0.16
SAINJ HEP	6.87	0.15
ANDHRA PRADESH	5.88	0.13
NAGALAND	5.28	0.12
LANKO_AMK	5.21	0.11
RAJASTHAN	4.08	0.09
ADANI_SLR	3.73	0.08
GUJARAT	2.82	0.06
GMR KAMALANGA	2.55	0.06
ONGC PALATANA	1.12	0.02
ACBIL	1.01	0.02
GOA	0.66	0.01
ADANIHB_WIND	0.57	0.01
OSTRO	0.46	0.01
ADANI_WIND	0.22	0.005
AMPS Hazira	0.06	0.001
Total	4539.86	100.00
Volume Sold by top 5 Regional Entities	1220.87	26.89

Table-15: VOLUME OF ELECTRICITY PURCHASED THROUGH BILATERAL, OCTOBER 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
MAHARASHTRA	1003.94	22.11
GUJARAT	717.23	15.80
HARYANA	538.03	11.85
DELHI	302.98	6.67
ODISHA	265.66	5.85
ANDHRA PRADESH	195.83	4.31
HIMACHAL PRADESH	148.77	3.28
BANGLADESH	147.00	3.24
TELANGANA	129.18	2.85
UTTAR PRADESH	126.68	2.79
PUNJAB	112.40	2.48
DD&DNH	99.95	2.20
WEST BENGAL	99.07	2.18
BIHAR	84.71	1.87
RAJASTHAN	81.10	1.79
JHARKHAND	79.21	1.74
AMPS Hazira	68.90	1.52
MP	68.78	1.52
CHHATTISGARH	51.25	1.13
GOA	47.85	1.05
MEGHALAYA	45.19	1.00
SIKKIM	23.57	0.52
PONDICHERRY	22.87	0.50
ASSAM	22.75	0.50
UTTARAKHAND	17.78	0.39
KARNATAKA	16.12	0.36
RAIL	9.27	0.20
DVC	8.70	0.19
TRIPURA	3.09	0.07
TAMIL NADU	2.00	0.04
TOTAL	4539.86	100.00
Volume Purchased by top 5 Regional Entities	2827.84	62.29

Table-16: VOLUME OF ELECTRICITY SOLD IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2022		
Name of the Entity	Volume of Sale (MUs)	% of Volume
UTTAR PRADESH	759.04	17.54
WEST BENGAL	457.75	10.58
TELANGANA	451.63	10.44
MP	315.74	7.30
CHHATTISGARH	291.82	6.74
NEPAL(NVVN)	250.94	5.80
TEESTA HEP	191.67	4.43
KARNATAKA	191.44	4.42
BIHAR	173.44	4.01
NTPC STATIONS-SR	165.00	3.81
HIMACHAL PRADESH	150.78	3.48
ODISHA	118.39	2.74
ASSAM	77.17	1.78
ACBIL	71.26	1.65
HARYANA	70.86	1.64
KERALA	36.03	0.83
MIZORAM	30.07	0.69
JAYPEE NIGRIE	28.18	0.65
GOA	27.34	0.63
JITPL	26.32	0.61
DB POWER	25.52	0.59
SAINJ HEP	25.50	0.59
CHANDIGARH	25.25	0.58
KARCHAM WANGTOO	24.19	0.56
JHARKHAND	23.39	0.54
MEGHALAYA	23.13	0.53
UTTARAKHAND	22.93	0.53
MAHARASHTRA	21.99	0.51
SIKKIM	21.42	0.49
ARUNACHAL PRADESH	20.26	0.47
DELHI	18.68	0.43
ANDHRA PRADESH	18.30	0.42
JINDAL POWER	16.74	0.39
ONGC PALATANA	16.31	0.38
JINDAL STAGE-II	14.51	0.34
TAMIL NADU	12.19	0.28
RPREL	12.15	0.28
ASEJTL_SLR	10.97	0.25
AD HYDRO	8.64	0.20
RAJASTHAN	7.81	0.18
NAGALAND	7.28	0.17
CHUZACHEN HEP	6.71	0.15
GUJARAT	6.20	0.14
PUNJAB	5.53	0.13
ESSAR POWER	5.47	0.13
JHABUA POWER_MP	4.50	0.10
DIKCHU HEP	4.40	0.10
ADHUNIK POWER LTD	4.34	0.10
GMR KAMALANGA	4.34	0.10
RENEW_SR_SLR	3.95	0.09
NEEPCO STATIONS	3.21	0.07
DVC	2.99	0.07
J & K	2.69	0.06
CGPL	2.63	0.06

AMPS Hazira	2.50	0.06
LANCO BUDHIL	1.76	0.04
SHREE CEMENT	1.12	0.03
NTPC STATIONS-NER	0.96	0.02
SORANG HEP	0.89	0.02
SKS POWER	0.47	0.01
NTPC STATIONS-ER	0.42	0.01
IL&FS	0.33	0.01
SINGOLI BHATWARI HEP	0.21	0.005
NLC	0.19	0.004
DHARIWAL POWER	0.10	0.002
OSTRO	0.05	0.001
KSK MAHANADI	0.03	0.001
Total	4328.02	100.00
Volume sold by top 5 Regional Entities	2275.97	52.59

Table-17: VOLUME OF ELECTRICITY PURCHASED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
GUJARAT	1435.97	33.18
ANDHRA PRADESH	467.49	10.80
PUNJAB	373.99	8.64
RAJASTHAN	331.68	7.66
UTTAR PRADESH	279.59	6.46
DD&DNH	177.01	4.09
TAMIL NADU	175.40	4.05
AMPS Hazira	148.61	3.43
MAHARASHTRA	137.72	3.18
ODISHA	123.68	2.86
J & K	99.65	2.30
MP	88.96	2.06
UTTARAKHAND	76.67	1.77
WEST BENGAL	67.41	1.56
ASSAM	63.44	1.47
KARNATAKA	56.57	1.31
TELANGANA	46.24	1.07
RAIL	32.23	0.74
DVC	32.11	0.74
DELHI	25.50	0.59
MEGHALAYA	24.36	0.56
GOA	17.17	0.40
KERALA	14.62	0.34
JHARKHAND	11.46	0.26
HARYANA	8.91	0.21
CHHATTISGARH	5.50	0.13
BIHAR	3.33	0.08
CHANDIGARH	1.68	0.04
NEP	0.49	0.01
TRIPURA	0.48	0.01
HIMACHAL PRADESH	0.10	0.002
TOTAL	4328.02	100.00
Volume purchased by top 5 Regional Entities	2888.73	66.74

Table-18: VOLUME OF ELECTRICITY SOLD IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2022

Name of the Entity	Volume of Sale (MUs)	% of Volume
KARNATAKA	111.38	38.02
TELANGANA	96.16	32.83
ANDHRA PRADESH	30.09	10.27
ADANI_WIND	13.77	4.70
NTPC STATIONS-SR	10.19	3.48
UTTAR PRADESH	8.03	2.74
OSTRO	7.48	2.55
HIMACHAL PRADESH	3.13	1.07
RAJASTHAN	3.02	1.03
SIKKIM	2.99	1.02
SBSR_SLR	2.06	0.70
J & K	2.00	0.68
MAHARASHTRA	1.40	0.48
MP	0.63	0.21
DELHI	0.56	0.19
AHEJOL_W_FTG2	0.03	0.01
Total	292.93	100.00
Volume sold by top 5 Regional Entities	261.60	89.30

Table-19: VOLUME OF ELECTRICITY PURCHASED IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, OCTOBER 2022

Name of the Entity	Volume of Purchase (MUs)	% of Volume
MAHARASHTRA	41.27	14.09
HARYANA	38.21	13.05
DELHI	35.81	12.23
DVC	30.43	10.39
ASSAM	27.13	9.26
MP	19.49	6.65
GUJARAT	18.18	6.21
KARNATAKA	17.22	5.88
TAMIL NADU	12.10	4.13
KERALA	9.66	3.30
DD&DNH	8.60	2.94
RAIL	8.00	2.73
ODISHA	6.43	2.19
UTTAR PRADESH	6.34	2.16
AMPS Hazira	4.94	1.68
JHARKHAND	4.13	1.41
ANDHRA PRADESH	2.01	0.69
PUNJAB	1.77	0.60
TELANGANA	0.90	0.31
RAJASTHAN	0.27	0.09
MEGHALAYA	0.05	0.02
TOTAL	292.93	100.00
Volume purchased by top 5 Regional Entities	172.86	59.01

Table-20: VOLUME OF ELECTRICITY SOLD IN REAL TIME MARKET THROUGH POWER EXCHANGES, OCTOBER 2022

Name of the Entity	Volume of Sale (MUs)	% of Volume
MP	749.98	33.12
TELANGANA	203.31	8.98
BIHAR	184.31	8.14
UTTAR PRADESH	154.79	6.84
WEST BENGAL	126.26	5.58
ODISHA	107.37	4.74
HIMACHAL PRADESH	94.48	4.17
KARNATAKA	86.98	3.84
ANDHRA PRADESH	58.58	2.59
NEEPCO STATIONS	51.15	2.26
CHHATTISGARH	49.48	2.19
DELHI	40.55	1.79
HARYANA	32.29	1.43
ASSAM	31.60	1.40
NTPC STATIONS-SR	28.18	1.24
J & K	25.40	1.12
TRIPURA	22.45	0.99
JHARKHAND	20.24	0.89
MAHARASHTRA	19.86	0.88
KERALA	18.53	0.82
TAMIL NADU	14.53	0.64
RAJASTHAN	13.01	0.57
SASAN UMPP	12.77	0.56
DB POWER	12.74	0.56
ARUNACHAL PRADESH	10.74	0.47
SIKKIM	9.43	0.42
ONGC PALATANA	7.94	0.35
NLC	7.26	0.32
JHABUA POWER_MP	6.83	0.30
MEGHALAYA	6.71	0.30
NAGALAND	5.91	0.26
UTTARAKHAND	4.65	0.21
MANIPUR	4.45	0.20
ACBIL	3.64	0.16
MB POWER	3.50	0.15
PUNJAB	3.11	0.14
CGPL	2.80	0.12
GMR KAMALANGA	2.47	0.11
ADHUNIK POWER LTD	2.47	0.11
GUJARAT	2.40	0.11
DD&DNH	2.18	0.10
DVC	1.91	0.08
DIKCHU HEP	1.71	0.08
JINDAL STAGE-II	1.67	0.07
TEESTA HEP	1.60	0.07
RPREL	1.44	0.06
JINDAL POWER	1.28	0.06
AMPS Hazira	1.25	0.06
SINGOLI BHATWARI HEP	1.22	0.05
ESSAR POWER	1.18	0.05
TRN ENERGY	0.90	0.04
SAINJ HEP	0.87	0.04
OSTRO	0.67	0.03
CHUZACHEN HEP	0.57	0.03

KARCHAM WANGTOO	0.41	0.02
RENEW_SR_SLR	0.37	0.02
AD HYDRO	0.28	0.01
TASHIDENG HEP	0.27	0.01
JORETHANG	0.26	0.01
SORANG HEP	0.26	0.01
SHREE CEMENT	0.24	0.01
CHANDIGARH	0.23	0.01
IL&FS	0.17	0.01
SKS POWER	0.17	0.01
JITPL	0.13	0.01
LANCO BUDHIL	0.11	0.01
NTPC STATIONS-WR	0.04	0.002
NTPC STATIONS-NER	0.03	0.001
MARUTI COAL	0.02	0.001
NTPC STATIONS-ER	0.02	0.001
KSK MAHANADI	0.01	0.0005
ADANI_WIND	0.01	0.0004
Total	2264.59	100.00
Volume sold by top 5 Regional Entities	1418.64	62.64

Table-21: VOLUME OF ELECTRICITY PURCHASED IN REAL TIME MARKET THROUGH POWER EXCHANGES, OCTOBER 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
RAJASTHAN	447.18	19.75
PUNJAB	341.19	15.07
J & K	232.01	10.24
MAHARASHTRA	205.41	9.07
GUJARAT	162.70	7.18
UTTAR PRADESH	114.91	5.07
ODISHA	100.25	4.43
WEST BENGAL	97.95	4.33
DELHI	87.49	3.86
TELANGANA	86.34	3.81
TAMIL NADU	77.36	3.42
ANDHRA PRADESH	76.76	3.39
AMPS Hazira	41.98	1.85
DD&DNH	34.19	1.51
UTTARAKHAND	28.92	1.28
HARYANA	21.36	0.94
ASSAM	20.81	0.92
MP	13.61	0.60
DVC	13.40	0.59
KARNATAKA	11.08	0.49
BALCO	10.52	0.46
HIMACHAL PRADESH	6.74	0.30
KERALA	6.63	0.29
MEGHALAYA	6.07	0.27
TRIPURA	4.30	0.19
RAIL	3.67	0.16
MANIPUR	3.41	0.15
BIHAR	2.76	0.12
GOA	2.29	0.10
CHHATTISGARH	1.70	0.08
JHARKHAND	1.21	0.05
SIKKIM	0.18	0.01
ACBIL	0.14	0.01
SAINJ HEP	0.09	0.004
ARUNACHAL PRADESH	0.02	0.001
TOTAL	2264.59	100.00
Volume purchased by top 5 Regional Entities	1388.48	61.31

Table-22: VOLUME OF ELECTRICITY UNDER DRAWAL (EXPORTED) THROUGH DSM, OCTOBER 2022

Name of the Entity	Volume of Under drawal (MUs)	% of Volume
KAPP 3&4	213.57	8.78
CHUKHA HEP	142.58	5.86
MP	129.63	5.33
NTPC STATIONS-WR	114.30	4.70
NHPC STATIONS	94.92	3.90
GUJARAT	93.29	3.84
PONDICHERRY	80.33	3.30
UTTAR PRADESH	78.90	3.24
KERALA	77.14	3.17
MAHARASHTRA	68.10	2.80
NTPC STATIONS-ER	62.75	2.58
NTPC STATIONS-NR	58.62	2.41
KARNATAKA	55.97	2.30
PUNJAB	53.35	2.19
HARYANA	47.22	1.94
ANDHRA PRADESH	46.21	1.90
WEST BENGAL	37.54	1.54
RAJASTHAN	36.86	1.52
SASAN UMPP	35.42	1.46
ODISHA	34.60	1.42
NTPC STATIONS-SR	33.34	1.37
BIHAR	32.39	1.33
DVC	31.65	1.30
KURICHU HEP	30.91	1.27
DELHI	28.45	1.17
J & K	27.00	1.11
CHHATTISGARH	25.46	1.05
NLC	24.38	1.00
GOA	23.86	0.98
JHARKHAND	23.18	0.95
UTTARAKHAND	20.12	0.83
AMPS Hazira	19.64	0.81
NEEPCO STATIONS	19.07	0.78
TAMIL NADU	15.59	0.64
BBMB	14.65	0.60
ASSAM	14.56	0.60
HIMACHAL PRADESH	13.74	0.57
NJPC	12.28	0.50
SBG_NPK	11.89	0.49
ASEJTL_SLR	11.16	0.46
RONGNICHU HEP	11.02	0.45
SBESS	10.73	0.44
NPGC	10.13	0.42
MAITHON POWER LTD	10.08	0.41
MANGDECHU HEP	9.38	0.39
TATA_SLR	9.02	0.37
TEESTA HEP	8.18	0.34
TRIPURA	7.97	0.33
BRBCL,NABINAGAR	7.65	0.31
GIWEL_BHUI	7.16	0.29
NTPC STATIONS-NER	6.86	0.28
MIZORAM	6.64	0.27
ARUNACHAL PRADESH	6.57	0.27
IGSTPS	6.55	0.27
TEHRI	6.16	0.25
LANCO BUDHIL	6.13	0.25
MYTRAH_TCN	5.63	0.23
GIWEL_TCN	5.55	0.23
OSTRO	5.54	0.23
NEPAL(NVVN)	5.45	0.22

ARINSUM_RUMS	5.37	0.22
AGEMPL BHUJ	5.37	0.22
AVADARJHN_SLR	5.21	0.21
ORANGE_TCN	5.12	0.21
AHEJ2L_SOLAR	5.07	0.21
DD&DNH	5.03	0.21
MB POWER	4.93	0.20
CHANDIGARH	4.67	0.19
MAHINDRA_RUMS	4.35	0.18
MEGHALAYA	4.34	0.18
JAYPEE NIGRIE	4.33	0.18
BETAM_TCN	4.24	0.17
RENEW_BHUJ	4.18	0.17
ACME_RUMS	4.11	0.17
MTPS II	3.75	0.15
THARI_SLR	3.73	0.15
SBG_PVGD	3.65	0.15
LANKO_AMK	3.63	0.15
NTPC_ANTP	3.52	0.14
DB POWER	3.51	0.14
SHREE CEMENT	3.50	0.14
AHEJ3L_SOLAR	3.50	0.14
BARC	3.45	0.14
SKRPL	3.43	0.14
RENEW_BHACHAU	3.26	0.13
RENEW_SLR	3.20	0.13
CGPL	3.16	0.13
EMCO	3.07	0.13
RENEWSB	3.00	0.12
JINDAL POWER	2.94	0.12
AZURE34_SLR	2.93	0.12
TASHIDENG HEP	2.93	0.12
AD HYDRO	2.91	0.12
MRPL	2.90	0.12
ACBIL	2.85	0.12
AZURE_MAPLE_SLR	2.75	0.11
NSPCL	2.74	0.11
RAP B	2.67	0.11
MANIPUR	2.61	0.11
RAIL	2.61	0.11
SB_SLR	2.60	0.11
RKM POWER	2.58	0.11
AHEJ4L_SOLAR	2.53	0.10
SIKKIM	2.48	0.10
NAGALAND	2.46	0.10
ALFANAR_BHUJ	2.45	0.10
JITPL	2.43	0.10
NAPP	2.41	0.10
AZURE43_SLR	2.35	0.10
MAHOBA_SLR	2.33	0.10
EDEN_SLR	2.32	0.10
SB6_POKARAN	2.30	0.09
ESPL_RADHANESDA	2.29	0.09
THERMAL POWERTECH	2.28	0.09
JHABUA POWER_MP	2.24	0.09
RANGANADI HEP	2.21	0.09
SORANG HEP	2.20	0.09
RENEW_SLR_BKN	2.18	0.09
AVAADASN_SLR	2.15	0.09
TATA_PVGD	2.15	0.09
KSMPL_SLR	2.11	0.09
FORTUM1_PVGD	2.05	0.08
SAINJ HEP	1.96	0.08

TRN ENERGY	1.95	0.08
AYANA_RP1	1.95	0.08
TATA_ANTP	1.94	0.08
RANGIT HEP	1.90	0.08
NETCL VALLUR	1.79	0.07
TELANGANA	1.76	0.07
RAP C	1.75	0.07
MSUPL_BHDL2	1.72	0.07
JORETHANG	1.72	0.07
ESSAR POWER	1.69	0.07
ADY1_PVGD	1.68	0.07
ADY2_PVGD	1.68	0.07
ADY13_PVGD	1.68	0.07
ADY10_PVGD	1.68	0.07
SINGOLI BHATWARI HEP	1.64	0.07
SEMBCORP	1.62	0.07
ADY3_PVGD	1.62	0.07
ADY6_PVGD	1.62	0.07
CHUZACHEN HEP	1.60	0.07
RENEWSW_SLR	1.53	0.06
BALCO	1.46	0.06
GIPCL_RADHANESDA	1.39	0.06
AYANA_NPKUNTA	1.37	0.06
RENEW_SR_SLR	1.34	0.06
TPREL_RADHANESDA	1.31	0.05
AZURE41_SLR	1.29	0.05
ABC_BHDL2	1.19	0.05
JINDAL STAGE-II	1.15	0.05
TEESTA STG3	1.15	0.05
SPRNG_NPKUNTA	1.14	0.05
AHSP_ANTP	1.12	0.05
ABSP_ANTP	1.11	0.05
ONGC PALATANA	1.10	0.05
KSK MAHANADI	1.09	0.04
CLEANSR_SLR	1.08	0.04
GSECL_Radhanesda	1.07	0.04
FRV_NPK	1.05	0.04
FORTUM2_PVGD	1.04	0.04
DIKCHU HEP	1.02	0.04
TALA HEP	1.02	0.04
AKSP_ANTP	1.01	0.04
SPRING_PUGALUR	0.98	0.04
FRV_ANTP	0.98	0.04
OSTRO Hiriyur	0.91	0.04
RENEWURJA_SLR	0.91	0.04
COASTGEN	0.83	0.03
AVAADA2_PVGD	0.82	0.03
ACME_HEERGARH	0.82	0.03
SESP	0.82	0.03
AZURE_ANTP	0.81	0.03
ARERJL_SLR	0.80	0.03
AVAADA1_PVGD	0.77	0.03
PARE HEP	0.74	0.03
RSTPS_FSPP	0.73	0.03
POWERICA	0.72	0.03
GRT_JPL	0.69	0.03
AVIKIRAN	0.68	0.03
DOYANG HEP	0.67	0.03
LOKTAK	0.66	0.03
PARAM_PVGD	0.65	0.03
RGPPL	0.65	0.03
DAGACHU	0.64	0.03
BANGLADESH	0.63	0.03

AZURE_PVGD	0.61	0.02
ADHUNIK POWER LTD	0.59	0.02
ADANI GREEN	0.54	0.02
MALANA	0.54	0.02
CLEAN_SLR	0.50	0.02
GMR KAMALANGA	0.49	0.02
RPREL	0.39	0.02
NTPL	0.32	0.01
ACME_SLR	0.30	0.01
HVDC RAIGARH	0.28	0.01
IL&FS	0.26	0.01
DHARIWAL POWER	0.26	0.01
ARS_PVGD	0.24	0.01
AKS_PVGD	0.24	0.01
YARROW_PVGD	0.23	0.01
KOTESHWAR	0.23	0.01
RENEW_PVGD	0.20	0.01
HVDC ALPD	0.19	0.01
HVDC CHAMPA	0.17	0.01
KREDL_PVGD	0.17	0.01
SKS POWER	0.16	0.01
VINDHYACHAL HVDC	0.16	0.01
NFF	0.15	0.01
HVDC PUS	0.09	0.004
NEP	0.08	0.003
BHADRAVATHI HVDC	0.06	0.003
DCPP	0.01	0.0004
INOX_BHUI	0.002	0.0001
Total	2432.02	100.00
Volume Exported by top 5 Regional Entities	695.00	28.58

**Table-23: VOLUME OF ELECTRICITY OVER DRAWAL (IMPORTED) THROUGH DSM,
OCTOBER 2022**

Name of the Entity	Volume of Over drawal (MUs)	% of Volume
NTPC STATIONS-WR	137.74	6.20
TALA HEP	135.23	6.08
NTPC STATIONS-NR	116.34	5.23
RAJASTHAN	108.88	4.90
NTPC STATIONS-ER	92.49	4.16
UTTAR PRADESH	87.15	3.92
MAHARASHTRA	75.06	3.38
GUJARAT	66.98	3.01
NTPC STATIONS-SR	61.98	2.79
J & K	56.96	2.56
KARNATAKA	56.95	2.56
ANDHRA PRADESH	55.89	2.51
HARYANA	55.22	2.48
KERALA	45.96	2.07
PONDICHERRY	42.89	1.93
NLC	34.32	1.54
BIHAR	31.95	1.44
ODISHA	29.00	1.30
WEST BENGAL	28.03	1.26
PUNJAB	27.02	1.22
TAMIL NADU	26.28	1.18
SEBPCORP	24.45	1.10
MP	24.22	1.09
UTTARAKHAND	21.51	0.97
JHARKHAND	21.41	0.96
NETCL VALLUR	21.26	0.96
AGEMPL BHUJ	21.01	0.95
DVC	20.19	0.91
NEPAL(NVVN)	19.49	0.88
AMPS Hazira	19.25	0.87
CHHATTISGARH	18.17	0.82
MANGDECHU HEP	17.73	0.80
NHPC STATIONS	16.62	0.75
NPGC	16.08	0.72
THERMAL POWERTECH	15.66	0.70
DELHI	14.61	0.66
CGPL	14.50	0.65
RPREL	14.00	0.63
GIWEL_BHUJ	13.35	0.60
BALCO	13.33	0.60
DAGACHU	13.09	0.59
ASSAM	12.56	0.56
HIMACHAL PRADESH	11.23	0.51
NTPL	11.19	0.50
ESSAR POWER	11.08	0.50
MB POWER	9.92	0.45
ORANGE_TCN	9.46	0.43
RENEW_BHACHAU	9.41	0.42
BRBCL,NABINAGAR	8.62	0.39
OSTRO	8.18	0.37
GOA	8.18	0.37
SORANG HEP	8.15	0.37
RENEW_BHUJ	8.14	0.37
IL&FS	8.03	0.36
AVAADASN_SLR	7.67	0.35
IGSTPS	7.46	0.34
GIWEL_TCN	7.39	0.33
AVADARJHN_SLR	7.38	0.33
BETAM_TCN	7.30	0.33

DD&DNH	7.09	0.32
NTPC STATIONS-NER	6.99	0.31
ADHUNIK POWER LTD	6.99	0.31
TATA_SLR	6.63	0.30
TATA_GREEN	6.23	0.28
TRIPURA	6.05	0.27
CHANDIGARH	5.80	0.26
GMR KAMALANGA	5.71	0.26
RAIL	5.62	0.25
SKRPL	5.49	0.25
MEGHALAYA	5.47	0.25
MTPS II	5.47	0.25
SBESS	5.44	0.24
BANGLADESH	5.29	0.24
NTPC_ANTP	5.27	0.24
JHABUA POWER_MP	5.18	0.23
BBMB	5.17	0.23
TEESTA STG3	5.15	0.23
ACME_SLR	5.01	0.23
ALFANAR_BHUJ	4.95	0.22
JINDAL STAGE-II	4.79	0.22
SKS POWER	4.60	0.21
ARUNACHAL PRADESH	4.49	0.20
NSPCL	4.46	0.20
MAHINDRA_RUMS	4.31	0.19
KARCHAM WANGTOO	4.27	0.19
SBG_PVGD	4.07	0.18
TELANGANA	4.02	0.18
ACME_RUMS	4.02	0.18
COASTGEN	4.00	0.18
SIKKIM	4.00	0.18
MYTRAH_TCN	3.92	0.18
NJPC	3.59	0.16
ARINSUM_RUMS	3.41	0.15
AHEJ4L_SOLAR	3.27	0.15
AZURE41_SLR	3.25	0.15
MAITHON POWER LTD	3.23	0.15
JITPL	3.02	0.14
RENEWURJA_SLR	3.01	0.14
SBG_NPK	2.99	0.13
SHREE CEMENT	2.94	0.13
RENEWSB	2.93	0.13
AYANA_RP1	2.91	0.13
MANIPUR	2.77	0.12
JINDAL POWER	2.66	0.12
SESPL	2.59	0.12
JORETHANG	2.57	0.12
ASEJTL_SLR	2.56	0.11
ACBIL	2.52	0.11
ABC_BHDL2	2.51	0.11
ACME_HEERGARH	2.45	0.11
SBSR_SLR	2.35	0.11
TEHRI	2.26	0.10
RENEW_SLR_BKN	2.25	0.10
AZURE43_SLR	2.25	0.10
NEEPCO STATIONS	2.19	0.10
TATA_ANTP	2.19	0.10
NAPP	2.15	0.10
MSUPL_BHDL2	2.14	0.10
OSTRO Hiriyur	2.10	0.09
TATA_PVGD	2.07	0.09
SB6_POKARAN	2.04	0.09
SPRING_PUGALUR	2.03	0.09

AZURE34_SLR	1.99	0.09
CLEANSR_SLR	1.97	0.09
AZURE_MAPLE_SLR	1.95	0.09
RENEWJH_SLR	1.87	0.08
FORTUM1_PVGD	1.86	0.08
KSK MAHANADI	1.80	0.08
NEP	1.75	0.08
POWERICA	1.65	0.07
RENEWSW_SLR	1.65	0.07
THAR1_SLR	1.65	0.07
DB POWER	1.61	0.07
EMCO	1.57	0.07
RKM POWER	1.54	0.07
RENEW_SR_SLR	1.39	0.06
RGPPL	1.37	0.06
SASAN UMPP	1.35	0.06
SPRNG_NPKUNTA	1.35	0.06
ESPL_RADHANESDA	1.33	0.06
MRPL	1.33	0.06
ADY3_PVGD	1.31	0.06
ADY6_PVGD	1.31	0.06
DHARIWAL POWER	1.31	0.06
TPREL_RADHANESDA	1.29	0.06
FORTUM2_PVGD	1.28	0.06
ARERJL_SLR	1.25	0.06
AKSP_ANTP	1.24	0.06
EDEN_SLR	1.22	0.05
ADY1_PVGD	1.18	0.05
ADY2_PVGD	1.18	0.05
ADY13_PVGD	1.18	0.05
ADY10_PVGD	1.18	0.05
LANKO_AMK	1.15	0.05
AZURE_SLR	1.15	0.05
TASHIDENG HEP	1.13	0.05
GIPCL_RADHANESDA	1.11	0.05
RAP B	1.10	0.05
AVIKIRAN	1.10	0.05
ABSP_ANTP	1.08	0.05
AHSP_ANTP	1.06	0.05
DGEN MEGA POWER	1.00	0.05
NAGALAND	1.00	0.05
CHUZACHEN HEP	0.99	0.04
CLEAN_SLR	0.97	0.04
AYANA_NPKUNTA	0.94	0.04
RSTPS_FSPP	0.93	0.04
KOTESHWAR	0.92	0.04
GRT_JPL	0.90	0.04
SB_SLR	0.90	0.04
JAYPEE NIGRIE	0.90	0.04
FRV_ANTP	0.88	0.04
DIKCHU HEP	0.85	0.04
RAP C	0.81	0.04
SAINJ HEP	0.79	0.04
FRV_NPK	0.77	0.03
AZURE_ANTP	0.75	0.03
AVAADA2_PVGD	0.73	0.03
PARAM_PVGD	0.70	0.03
MIZORAM	0.70	0.03
TRN ENERGY	0.67	0.03
AVAADA1_PVGD	0.67	0.03
SINGOLI BHATWARI HEP	0.66	0.03
RAMPUR HEP	0.63	0.03
RANGANADI HEP	0.62	0.03

ONGC PALATANA	0.60	0.03
MEENAKSHI	0.54	0.02
AZURE_PVGD	0.50	0.02
SIMHAPURI	0.50	0.02
GSECL_Radhanesda	0.47	0.02
LANKO KONDAPALLI	0.46	0.02
RENEW_SLR	0.44	0.02
LANCO BUDHIL	0.43	0.02
KSMPL_SLR	0.43	0.02
RENEW_PVGD	0.38	0.02
AD HYDRO	0.38	0.02
RONGNICHU HEP	0.30	0.01
YARROW_PVGD	0.30	0.01
AKS_PVGD	0.30	0.01
KREDL_PVGD	0.30	0.01
ADANI GREEN	0.29	0.01
PARE HEP	0.26	0.01
ARS_PVGD	0.24	0.01
DOYANG HEP	0.17	0.01
RANGIT HEP	0.15	0.01
LOKTAK	0.14	0.01
NFF	0.06	0.00
DCPP	0.03	0.00
HVDC ALPD	0.03	0.001
BHADRAVATHI HVDC	0.02	0.001
HVDC PUS	0.02	0.001
TEESTA HEP	0.02	0.001
HVDC CHAMPA	0.02	0.001
KURICHU HEP	0.01	0.001
INOX_BHUJ	0.001	0.00003
HVDC RAIGARH	0.00002	0.000001
TOTAL	2223.00	100.00
Volume Imported by top 5 Regional Entities	590.67	26.57

Table-24: TOTAL VOLUME OF NET SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY-WISE), OCTOBER 2022		
S. No.	Name of the Entity	Total volume of net short-term transactions of electricity*
1	GUJARAT	2296.36
2	MAHARASHTRA	1318.74
3	RAJASTHAN	904.33
4	PUNJAB	794.37
5	ANDHRA PRADESH	638.92
6	HARYANA	492.47
7	DD&DNH	319.62
8	AMPS Hazira	260.23
9	TAMIL NADU	250.83
10	ODISHA	224.49
11	J & K	220.11
12	DELHI	178.78
13	BANGLADESH	151.66
14	TALA HEP	134.22
15	UTTARAKHAND	70.41
16	NTPC STATIONS-NR	57.72
17	RAIL	56.18
18	JHARKHAND	40.89
19	NTPC STATIONS-ER	29.28
20	GOA	23.63
21	NTPC STATIONS-WR	23.40
22	ASSAM	23.36
23	BALCO	22.39
24	NETCL VALLUR	19.46
25	AGEMPL BHUJ	15.65
26	THERMAL POWERTECH	13.39
27	NTPL	10.87
28	MANGDECHU HEP	8.35
29	IL&FS	7.26
30	GIWEL_BHUJ	6.19
31	RENEW_BHACHAU	6.16
32	NPGC	5.95
33	CGPL	5.92
34	DVC	5.71
35	ACME_SLR	4.71
36	ORANGE_TCN	4.34
37	RENEW_BHUJ	3.96
38	COASTGEN	3.17
39	BETAM_TCN	3.06
40	ALFANAR_BHUJ	2.50
41	NLC	2.49
42	AVADARJHN_SLR	2.17
43	NEP	2.16
44	RENEWURJA_SLR	2.10
45	SKRPL	2.06
46	AZURE41_SLR	1.96
47	RENEWJH_SLR	1.87
48	GIWEL_TCN	1.84
49	SESPL	1.77
50	NTPC_ANTP	1.75
51	NSPCL	1.72
52	MTPS II	1.72
53	OSTRO Hiriyur	1.19
54	AZURE_SLR	1.15
55	SPRING_PUGALUR	1.05
56	DGEN MEGA POWER	1.00
57	BRBCL,NABINAGAR	0.97
58	AYANA_RP1	0.96
59	DHARIWAL POWER	0.94
60	POWERICA	0.92
61	IGSTPS	0.91
62	CLEANSPL_SLR	0.89

63	RGPPL	0.72
64	KOTESHWAR	0.70
65	KSK MAHANADI	0.67
66	RAMPUR HEP	0.63
67	MEENAKSHI	0.54
68	SIMHAPURI	0.50
69	LANKO KONDAPALLI	0.46
70	ARERJL_SLR	0.45
71	SBG_PVGD	0.43
72	AVIKIRAN	0.42
73	MSUPL_BHDL2	0.42
74	TATA_ANTP	0.25
75	FORTUM2_PVGD	0.24
76	AKSP_ANTP	0.23
77	GRT_JPL	0.22
78	SPRNG_NPKUNTA	0.21
79	RSTPS_FSPP	0.20
80	RENEW_PVGD	0.19
81	KREDL_PVGD	0.13
82	RENEWSW_SLR	0.11
83	RENEW_SLR_BKN	0.07
84	YARROW_PVGD	0.07
85	AKS_PVGD	0.06
86	PARAM_PVGD	0.05
87	DCPP	0.02
88	INOX_BHUJ	-0.002
89	ARS_PVGD	-0.01
90	TPREL_RADHANESDA	-0.02
91	MARUTI COAL	-0.02
92	AHEJOL_W_FTG2	-0.03
93	ABSP_ANTP	-0.04
94	BHADRAVATHI HVDC	-0.04
95	MAHINDRA_RUMS	-0.05
96	AHSP_ANTP	-0.06
97	AZURE_ANTP	-0.06
98	HVDC PUS	-0.07
99	RENEWSB	-0.08
100	TATA_PVGD	-0.08
101	NFF	-0.08
102	AVAADA2_PVGD	-0.09
103	ACME_RUMS	-0.09
104	FRV_ANTP	-0.10
105	AVAADA1_PVGD	-0.10
106	AZURE43_SLR	-0.10
107	AZURE_PVGD	-0.11
108	HVDC CHAMPA	-0.16
109	HVDC ALPD	-0.16
110	VINDHYACHAL HVDC	-0.16
111	FORTUM1_PVGD	-0.19
112	ADANI GREEN	-0.25
113	SB6_POKARAN	-0.26
114	NAPP	-0.26
115	FRV_NPK	-0.28
116	HVDC RAIGARH	-0.28
117	GIPCL_RADHANESDA	-0.29
118	ADY3_PVGD	-0.31
119	ADY6_PVGD	-0.31
120	AYANA_NPKUNTA	-0.43
121	PARE HEP	-0.48
122	DOYANG HEP	-0.50
123	ADY1_PVGD	-0.51
124	ADY2_PVGD	-0.51
125	ADY13_PVGD	-0.51
126	ADY10_PVGD	-0.51
127	LOKTAK	-0.52
128	MALANA	-0.54

129	ADANIHB_WIND	-0.57
130	GSECL_Radhnesda	-0.60
131	AZURE_MAPLE_SLR	-0.80
132	NTPC STATIONS-NER	-0.86
133	RAP C	-0.93
134	AZURE34_SLR	-0.94
135	ESPL_RADHANESDA	-0.96
136	RKM POWER	-1.04
137	EDEN_SLR	-1.10
138	EMCO	-1.50
139	RAP B	-1.56
140	MRPL	-1.57
141	RANGANADI HEP	-1.59
142	KSMPL_SLR	-1.68
143	SB_SLR	-1.69
144	MYTRAH_TCN	-1.71
145	RANGIT HEP	-1.75
146	ARINSUM_RUMS	-1.96
147	MAHOBA_SLR	-2.33
148	RENEW_SLR	-2.76
149	BARC	-3.45
150	AHEJ3L_SOLAR	-3.50
151	ADANI_SLR	-3.73
152	TEHRI	-3.89
153	GMR KAMALANGA	-4.14
154	AHEJ2L_SOLAR	-5.07
155	SBESS	-5.28
156	OSTRO	-6.03
157	MAITHON POWER LTD	-6.85
158	REGL	-7.35
159	LANCO BUDHIL	-7.56
160	LANKO_AMK	-7.69
161	CHUZACHEN HEP	-7.88
162	JHABUA POWER_MP	-8.39
163	NJPC	-8.69
164	SBG_NPK	-8.90
165	CLEAN_SLR	-9.02
166	BBMB	-9.48
167	TRN ENERGY	-9.62
168	RONGNICHU HEP	-10.71
169	SBSR_SLR	-12.83
170	ADANI_WIND	-14.01
171	PONDICHERRY	-14.57
172	MANIPUR	-16.24
173	TRIPURA	-16.49
174	ASEJTL_SLR	-19.58
175	NAGALAND	-19.92
176	SIKKIM	-21.53
177	CHANDIGARH	-22.67
178	MEGHALAYA	-23.33
179	SORANG HEP	-23.61
180	ONGC PALATANA	-25.87
181	RENEW_SR_SLR	-28.26
182	KURICHU HEP	-30.89
183	KARCHAM WANGTOO	-31.51
184	AVAADASN_SLR	-32.68
185	SAINJ HEP	-34.32
186	MIZORAM	-36.01
187	TATA_SLR	-37.17
188	THAR1_SLR	-38.39
189	TATA_GREEN	-41.86
190	AD HYDRO	-43.22
191	SASAN UMPP	-46.84
192	ACME_HEERGARH	-47.81
193	DAGACHU	-53.56
194	ARUNACHAL PRADESH	-56.83

195	AHEJ4L_WIND	-58.92
196	JORETHANG	-58.94
197	SINGOLI BHATWARI HEP	-59.80
198	TASHIDENG HEP	-60.80
199	DIKCHU HEP	-62.67
200	KERALA	-62.71
201	ABC_BHDL2	-67.30
202	DB POWER	-70.79
203	KOLYAT_SLR	-72.31
204	ACBIL	-76.10
205	NHPC STATIONS	-78.30
206	SHREE CEMENT	-87.48
207	MB POWER	-103.21
208	JINDAL POWER	-112.75
209	ESSAR POWER	-129.75
210	JAYPEE NIGRIE	-134.12
211	ADHUNIK POWER LTD	-137.87
212	SKS POWER	-141.39
213	CHUKHA HEP	-142.58
214	AHEJ4L_SOLAR	-155.25
215	NTPC STATIONS-SR	-183.43
216	SEBPCORP	-187.80
217	JINDAL STAGE-II	-191.58
218	TEESTA HEP	-201.43
219	KAPP 3&4	-213.57
220	NEEPCO STATIONS	-222.76
221	JITPL	-224.70
222	NEPAL(NVVN)	-236.90
223	BIHAR	-277.62
224	HIMACHAL PRADESH	-279.55
225	RPREL	-294.96
226	CHHATTISGARH	-297.72
227	TEESTA STG3	-313.02
228	WEST BENGAL	-403.27
229	KARNATAKA	-417.29
230	UTTAR PRADESH	-437.94
231	TELANGANA	-589.14
232	MP	-1100.07
* Total volume of net short-term transactions of electricity includes net of transactions of electricity through bilateral, power exchange and DSM		
(-) indicates sale and (+) indicates purchase		

Table-25: DETAILS OF CONGESTION IN POWER EXCHANGES, OCTOBER 2022										
	Details of Congestion	Day Ahead Market			Green Day Ahead Market			Real Time Market		
		IEX	PXIL	HPX	IEX	PXIL	HPX	IEX	PXIL	HPX
A	Unconstrained Cleared Volume (MUs)	4325.01	3.01	0.00	292.93	0.00	0.00	2264.59	0.00	0.00
B	Actual Cleared Volume and hence scheduled (MUs)	4325.01	3.01	0.00	292.93	0.00	0.00	2264.59	0.00	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	0.00	0.00	0.00	0.00	0.00	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	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%	0.00%	0.00%	0.00%	0.00%	0.00%	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%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
G	Congestion occurrence (%) time block wise									
	0.00 - 6.00 hours	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	6.00 - 12.00 hours	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	12.00 - 18.00 hours	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	18.00 - 24.00 hours	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
* This power would have been scheduled had there been no congestion										
Source: IEX, PXIL, HPX & NLDC										

**Table-26: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY IN INDIA (DAY-WISE) (MUs),
OCTOBER 2022**

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	HPX	IEX	PXIL	HPX	IEX	PXIL	HPX		
1-Oct-22	123.77	57.28	110.26	0.26	0.00	10.00	0.00	0.00	63.41	0.00	0.00	80.10	3823.37
2-Oct-22	110.56	52.79	135.19	0.16	0.00	8.42	0.00	0.00	74.20	0.00	0.00	82.65	3657.31
3-Oct-22	122.55	53.53	123.65	0.00	0.00	9.85	0.00	0.00	85.53	0.00	0.00	80.09	3835.09
4-Oct-22	128.54	49.31	134.61	0.00	0.00	13.88	0.00	0.00	113.61	0.00	0.00	81.28	3876.83
5-Oct-22	118.14	53.01	140.93	0.00	0.00	6.67	0.00	0.00	122.70	0.00	0.00	82.90	3687.20
6-Oct-22	118.94	49.81	163.51	0.00	0.00	11.40	0.00	0.00	124.36	0.00	0.00	79.92	3738.19
7-Oct-22	123.15	54.31	160.53	0.00	0.00	10.18	0.00	0.00	101.04	0.00	0.00	82.61	3713.30
8-Oct-22	124.91	53.16	133.62	0.00	0.00	6.97	0.00	0.00	84.77	0.00	0.00	79.28	3653.45
9-Oct-22	107.69	51.86	135.47	0.00	0.00	7.26	0.00	0.00	73.13	0.00	0.00	77.96	3568.23
10-Oct-22	107.92	47.90	125.61	0.00	0.00	6.57	0.00	0.00	82.47	0.00	0.00	77.20	3651.04
11-Oct-22	105.30	47.08	137.76	0.00	0.00	8.09	0.00	0.00	79.73	0.00	0.00	81.57	3627.34
12-Oct-22	109.42	46.78	133.62	1.71	0.00	9.13	0.00	0.00	71.65	0.00	0.00	80.50	3663.15
13-Oct-22	108.13	48.74	129.98	0.00	0.00	5.88	0.00	0.00	72.38	0.00	0.00	77.02	3678.22
14-Oct-22	109.15	47.13	126.84	0.00	0.00	6.79	0.00	0.00	65.42	0.00	0.00	76.27	3620.28
15-Oct-22	106.08	45.79	130.28	0.00	0.00	8.92	0.00	0.00	60.38	0.00	0.00	74.50	3558.42
16-Oct-22	96.04	47.65	139.02	0.05	0.00	6.80	0.00	0.00	67.48	0.00	0.00	76.08	3438.33
17-Oct-22	99.37	43.46	143.87	0.00	0.00	11.78	0.00	0.00	67.72	0.00	0.00	70.03	3604.01
18-Oct-22	101.44	41.94	135.05	0.00	0.00	10.59	0.00	0.00	65.54	0.00	0.00	71.85	3633.74
19-Oct-22	103.25	41.80	145.85	0.00	0.00	11.33	0.00	0.00	65.32	0.00	0.00	68.91	3634.96
20-Oct-22	101.44	41.15	150.43	0.30	0.00	10.45	0.00	0.00	66.07	0.00	0.00	70.38	3638.36
21-Oct-22	95.36	38.97	152.44	0.00	0.00	11.41	0.00	0.00	64.96	0.00	0.00	69.61	3603.71
22-Oct-22	93.04	37.92	142.79	0.00	0.00	10.95	0.00	0.00	59.13	0.00	0.00	71.39	3473.13
23-Oct-22	89.70	36.29	149.86	0.23	0.00	9.94	0.00	0.00	71.18	0.00	0.00	71.12	3281.25
24-Oct-22	73.90	35.54	122.37	0.00	0.00	8.57	0.00	0.00	69.39	0.00	0.00	78.93	2996.44
25-Oct-22	84.67	35.49	125.30	0.00	0.00	6.99	0.00	0.00	62.53	0.00	0.00	86.65	2886.60
26-Oct-22	72.98	34.83	141.17	0.00	0.00	10.83	0.00	0.00	59.20	0.00	0.00	71.21	3108.73
27-Oct-22	86.84	33.64	131.93	0.00	0.00	10.00	0.00	0.00	63.31	0.00	0.00	64.57	3327.00
28-Oct-22	90.01	36.12	155.32	0.30	0.00	11.23	0.00	0.00	56.16	0.00	0.00	66.97	3445.05
29-Oct-22	92.99	36.36	155.27	0.00	0.00	13.78	0.00	0.00	52.86	0.00	0.00	65.82	3419.27
30-Oct-22	87.40	34.16	146.22	0.00	0.00	8.47	0.00	0.00	53.84	0.00	0.00	64.62	3296.22
31-Oct-22	81.74	31.64	166.28	0.00	0.00	9.80	0.00	0.00	45.12	0.00	0.00	65.51	3452.86
Total	3174.42	1365.44	4325.01	3.01	0.00	292.93	0.00	0.00	2264.59	0.00	0.00	2327.51	109591.08

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-27(a): PRICE OF DAY AHEAD TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh),
OCTOBER 2022**

Market Segment	Day ahead market of IEX			Day ahead market of PXIL			Day ahead market of HPX		
Date	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*
1-Oct-22	3.10	12.00	4.88	3.00	6.00	4.42	-	-	-
2-Oct-22	2.04	9.15	3.88	4.99	6.11	5.94	-	-	-
3-Oct-22	2.95	12.00	4.22	-	-	-	-	-	-
4-Oct-22	2.50	12.00	4.15	-	-	-	-	-	-
5-Oct-22	1.99	7.40	3.51	-	-	-	-	-	-
6-Oct-22	2.00	12.00	3.78	-	-	-	-	-	-
7-Oct-22	2.70	12.00	3.93	-	-	-	-	-	-
8-Oct-22	2.64	8.82	3.46	-	-	-	-	-	-
9-Oct-22	2.22	6.00	3.24	-	-	-	-	-	-
10-Oct-22	2.75	12.00	4.13	-	-	-	-	-	-
11-Oct-22	2.43	10.50	3.68	-	-	-	-	-	-
12-Oct-22	2.43	10.80	3.79	0.53	12.00	4.35	-	-	-
13-Oct-22	2.64	12.00	4.35	-	-	-	-	-	-
14-Oct-22	2.53	10.50	3.84	-	-	-	-	-	-
15-Oct-22	2.28	12.00	3.94	-	-	-	-	-	-
16-Oct-22	1.97	7.30	3.24	4.99	5.27	5.27	-	-	-
17-Oct-22	2.37	12.00	3.82	-	-	-	-	-	-
18-Oct-22	2.18	12.00	4.24	-	-	-	-	-	-
19-Oct-22	2.30	12.00	4.55	-	-	-	-	-	-
20-Oct-22	2.58	12.00	4.54	3.94	4.42	3.95	-	-	-
21-Oct-22	2.47	12.00	4.44	-	-	-	-	-	-
22-Oct-22	2.31	12.00	4.62	-	-	-	-	-	-
23-Oct-22	1.90	12.00	4.07	3.98	4.98	4.35	-	-	-
24-Oct-22	1.12	6.27	3.43	-	-	-	-	-	-
25-Oct-22	1.70	6.00	3.17	-	-	-	-	-	-
26-Oct-22	2.15	6.42	3.02	-	-	-	-	-	-
27-Oct-22	2.60	9.75	3.81	-	-	-	-	-	-
28-Oct-22	2.77	10.50	4.28	4.17	4.17	4.17	-	-	-
29-Oct-22	2.77	12.00	4.25	-	-	-	-	-	-
30-Oct-22	2.63	6.53	3.72	-	-	-	-	-	-
31-Oct-22	3.25	12.00	4.65	-	-	-	-	-	-
	1.12#	12.00#	3.96	0.53#	12.00#	4.40	-	-	-

Source: IEX, PXIL and HPX

* 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(b): PRICE OF GREEN DAY AHEAD TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh),
OCTOBER 2022**

Market Segment	Green Day ahead market of IEX			Green Day ahead market of PXIL			Green Day ahead market of HPX		
Date	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*
1-Oct-22	3.63	12.00	4.38	-	-	-	-	-	-
2-Oct-22	3.29	12.00	4.08	-	-	-	-	-	-
3-Oct-22	3.00	12.00	3.91	-	-	-	-	-	-
4-Oct-22	3.33	12.00	4.03	-	-	-	-	-	-
5-Oct-22	2.98	9.00	4.04	-	-	-	-	-	-
6-Oct-22	3.29	12.00	4.32	-	-	-	-	-	-
7-Oct-22	3.49	12.00	4.17	-	-	-	-	-	-
8-Oct-22	3.30	12.00	4.43	-	-	-	-	-	-
9-Oct-22	3.00	8.00	3.84	-	-	-	-	-	-
10-Oct-22	3.28	10.00	4.27	-	-	-	-	-	-
11-Oct-22	2.98	10.00	3.81	-	-	-	-	-	-
12-Oct-22	2.92	12.00	3.87	-	-	-	-	-	-
13-Oct-22	3.56	10.00	4.63	-	-	-	-	-	-
14-Oct-22	3.50	12.00	4.65	-	-	-	-	-	-
15-Oct-22	3.19	12.00	4.02	-	-	-	-	-	-
16-Oct-22	2.88	10.00	3.51	-	-	-	-	-	-
17-Oct-22	2.98	12.00	3.76	-	-	-	-	-	-
18-Oct-22	3.00	12.00	4.08	-	-	-	-	-	-
19-Oct-22	3.48	12.00	4.19	-	-	-	-	-	-
20-Oct-22	3.00	12.00	4.04	-	-	-	-	-	-
21-Oct-22	3.44	12.00	4.37	-	-	-	-	-	-
22-Oct-22	3.08	12.00	3.69	-	-	-	-	-	-
23-Oct-22	2.69	10.00	3.40	-	-	-	-	-	-
24-Oct-22	2.58	11.50	4.09	-	-	-	-	-	-
25-Oct-22	2.70	7.00	3.74	-	-	-	-	-	-
26-Oct-22	2.70	7.00	3.47	-	-	-	-	-	-
27-Oct-22	2.70	12.00	3.79	-	-	-	-	-	-
28-Oct-22	3.00	12.00	4.14	-	-	-	-	-	-
29-Oct-22	2.80	10.00	3.66	-	-	-	-	-	-
30-Oct-22	2.85	8.00	3.65	-	-	-	-	-	-
31-Oct-22	3.50	12.00	4.97	-	-	-	-	-	-
	2.58[#]	12.00[#]	4.02	-	-	-	-	-	-

Source: IEX, PXIL and HPX

* 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(c): PRICE OF REAL TIME TRANSACTIONS AND DSM (DAY-WISE) (₹/kWh), OCTOBER 2022												
Market Segment	Real Time market of IEX			Real Time market of PXIL			Real Time market of HPX			Under Drawl/Over Drawl from the Grid (DSM)		
Date	Minimum ACP	Maximum ACP	Weighted Average Price*	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-22	1.90	12.00	3.80	-	-	-	-	-	-	0.94	6.55	3.95
2-Oct-22	1.65	5.00	3.03	-	-	-	-	-	-	0.00	4.54	2.98
3-Oct-22	2.70	12.00	4.33	-	-	-	-	-	-	0.00	7.29	3.92
4-Oct-22	2.58	6.50	4.11	-	-	-	-	-	-	0.00	7.51	3.90
5-Oct-22	1.84	5.50	3.59	-	-	-	-	-	-	0.00	8.00	3.44
6-Oct-22	2.00	6.00	3.83	-	-	-	-	-	-	0.00	8.00	3.27
7-Oct-22	1.87	6.50	3.92	-	-	-	-	-	-	0.00	6.25	3.37
8-Oct-22	1.59	7.22	3.21	-	-	-	-	-	-	0.00	8.00	3.59
9-Oct-22	1.59	4.30	2.85	-	-	-	-	-	-	0.00	7.41	2.94
10-Oct-22	1.77	12.00	3.03	-	-	-	-	-	-	0.00	8.00	3.79
11-Oct-22	1.55	7.22	3.07	-	-	-	-	-	-	0.00	6.36	2.80
12-Oct-22	1.50	10.00	3.55	-	-	-	-	-	-	0.00	6.90	2.72
13-Oct-22	1.59	12.00	3.66	-	-	-	-	-	-	0.00	6.79	3.22
14-Oct-22	1.60	12.00	3.88	-	-	-	-	-	-	0.00	6.39	2.68
15-Oct-22	0.60	12.00	3.91	-	-	-	-	-	-	0.00	8.00	2.96
16-Oct-22	0.99	10.00	3.31	-	-	-	-	-	-	0.00	5.91	2.91
17-Oct-22	1.70	12.00	4.53	-	-	-	-	-	-	0.00	8.00	3.90
18-Oct-22	1.86	12.00	4.31	-	-	-	-	-	-	0.00	6.74	3.46
19-Oct-22	1.86	12.00	4.36	-	-	-	-	-	-	0.00	7.77	4.02
20-Oct-22	1.63	12.00	3.84	-	-	-	-	-	-	0.00	6.18	3.34
21-Oct-22	2.18	9.21	3.97	-	-	-	-	-	-	0.00	7.08	3.49
22-Oct-22	1.83	6.50	3.73	-	-	-	-	-	-	0.00	5.78	3.76
23-Oct-22	1.83	5.98	3.15	-	-	-	-	-	-	0.00	6.72	3.35
24-Oct-22	0.05	5.00	2.29	-	-	-	-	-	-	0.00	8.00	2.04
25-Oct-22	0.10	8.82	2.20	-	-	-	-	-	-	0.00	8.00	2.36
26-Oct-22	1.45	7.22	3.58	-	-	-	-	-	-	0.00	8.00	3.37
27-Oct-22	2.37	12.00	4.78	-	-	-	-	-	-	0.73	8.00	4.64
28-Oct-22	2.94	12.00	5.14	-	-	-	-	-	-	0.00	8.00	4.80
29-Oct-22	3.00	12.00	5.46	-	-	-	-	-	-	0.00	7.51	4.36
30-Oct-22	2.96	6.47	4.03	-	-	-	-	-	-	0.00	6.62	3.25
31-Oct-22	2.94	12.00	4.89	-	-	-	-	-	-	0.00	6.90	3.96
	0.05#	12.00#	3.74	-	-	-	-	-	-	0.00#	8.00#	3.44

Source: Data on price of PX transactions from IEX, PXIL and HPX 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-28: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY*-WISE) (MUs), OCTOBER 2022

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 Drawl)	Export (Under Drawl)	Net**	
PUNJAB	0.00	112.40	112.40	8.64	716.95	708.31	27.02	53.35	-26.34	794.37
HARYANA	18.89	538.03	519.13	103.15	68.49	-34.66	55.22	47.22	8.00	492.47
RAJASTHAN	4.08	81.10	77.02	23.84	779.13	755.29	108.88	36.86	72.02	904.33
DELHI	199.38	302.98	103.60	59.79	148.81	89.02	14.61	28.45	-13.84	178.78
UTTAR PRADESH	51.85	126.68	74.83	921.86	400.84	-521.01	87.15	78.90	8.24	-437.94
UTTARAKHAND	26.75	17.78	-8.97	27.59	105.59	78.00	21.51	20.12	1.38	70.41
HIMACHAL PRADESH	184.26	148.77	-35.48	248.40	6.84	-241.56	11.23	13.74	-2.51	-279.55
J & K	111.42	0.00	-111.42	30.08	331.66	301.57	56.96	27.00	29.96	220.11
CHANDIGARH	0.00	0.00	0.00	25.48	1.68	-23.80	5.80	4.67	1.13	-22.67
MP	119.15	68.78	-50.37	1066.34	122.05	-944.29	24.22	129.63	-105.41	-1100.07
MAHARASHTRA	33.32	1003.94	970.62	43.25	384.41	341.16	75.06	68.10	6.96	1318.74
GUJARAT	2.82	717.23	714.41	8.60	1616.85	1608.25	66.98	93.29	-26.30	2296.36
CHHATTISGARH	7.58	51.25	43.67	341.30	7.20	-334.10	18.17	25.46	-7.29	-297.72
GOA	0.66	47.85	47.19	27.34	19.47	-7.87	8.18	23.86	-15.68	23.63
DD&DNH	0.00	99.95	99.95	2.18	219.80	217.62	7.09	5.03	2.06	319.62
ANDHRA P	5.88	195.83	189.94	106.97	546.26	439.29	55.89	46.21	9.68	638.92
KARNATAKA	129.46	16.12	-113.34	389.79	84.87	-304.93	56.95	55.97	0.98	-417.29
KERALA	7.89	0.00	-7.89	54.56	30.91	-23.65	45.96	77.14	-31.17	-62.71
TAMIL NADU	0.00	2.00	2.00	26.72	264.86	238.13	26.28	15.59	10.70	250.83
PONDICHERRY	0.00	22.87	22.87	0.00	0.00	0.00	42.89	80.33	-37.44	-14.57
TELANGANA	102.95	129.18	26.23	751.10	133.47	-617.63	4.02	1.76	2.26	-589.14
WEST BENGAL	74.18	99.07	24.90	584.01	165.36	-418.65	28.03	37.54	-9.52	-403.27
ODISHA	40.17	265.66	225.50	225.76	230.35	4.59	29.00	34.60	-5.60	224.49
BIHAR	10.23	84.71	74.48	357.75	6.09	-351.66	31.95	32.39	-0.45	-277.62
JHARKHAND	9.73	79.21	69.49	43.63	16.80	-26.83	21.41	23.18	-1.77	40.89
SIKKIM	12.96	23.57	10.61	33.84	0.18	-33.66	4.00	2.48	1.51	-21.53
DVC	62.55	8.70	-53.85	4.90	75.93	71.03	20.19	31.65	-11.46	5.71
ARUNACHAL P	23.77	0.00	-23.77	31.01	0.02	-30.98	4.49	6.57	-2.08	-56.83
ASSAM	0.00	22.75	22.75	108.77	111.39	2.62	12.56	14.56	-2.00	23.36
MANIPUR	15.35	0.00	-15.35	4.45	3.41	-1.05	2.77	2.61	0.15	-16.24
MEGHALAYA	70.28	45.19	-25.09	29.84	30.48	0.63	5.47	4.34	1.13	-23.33
MIZORAM	0.00	0.00	0.00	30.07	0.00	-30.07	0.70	6.64	-5.94	-36.01
NAGALAND	5.28	0.00	-5.28	13.19	0.00	-13.19	1.00	2.46	-1.46	-19.92
TRIPURA	0.00	3.09	3.09	22.45	4.79	-17.66	6.05	7.97	-1.92	-16.49
NTPC STATIONS-NR	0.00	0.00	0.00	0.00	0.00	0.00	116.34	58.62	57.72	57.72
NHPC STATIONS	0.00	0.00	0.00	0.00	0.00	0.00	16.62	94.92	-78.30	-78.30
NFF	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.15	-0.08	-0.08
RAIL	0.00	9.27	9.27	0.00	43.90	43.90	5.62	2.61	3.01	56.18
NEP	0.00	0.00	0.00	0.00	0.49	0.49	1.75	0.08	1.67	2.16
NAPP	0.00	0.00	0.00	0.00	0.00	0.00	2.15	2.41	-0.26	-0.26
RAP B	0.00	0.00	0.00	0.00	0.00	0.00	1.10	2.67	-1.56	-1.56
NJPC	0.00	0.00	0.00	0.00	0.00	0.00	3.59	12.28	-8.69	-8.69
TEHRI	0.00	0.00	0.00	0.00	0.00	0.00	2.26	6.16	-3.89	-3.89
BBMB	0.00	0.00	0.00	0.00	0.00	0.00	5.17	14.65	-9.48	-9.48
RAP C	0.00	0.00	0.00	0.00	0.00	0.00	0.81	1.75	-0.93	-0.93
AD HYDRO	31.78	0.00	-31.78	8.92	0.00	-8.92	0.38	2.91	-2.53	-43.22
IGSTPS	0.00	0.00	0.00	0.00	0.00	0.00	7.46	6.55	0.91	0.91
KOTESHWAR	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.23	0.70	0.70
KARCHAM WANGTOO	11.19	0.00	-11.19	24.60	0.00	-24.60	4.27	0.00	4.27	-31.51
SHREE CEMENT	85.56	0.00	-85.56	1.36	0.00	-1.36	2.94	3.50	-0.56	-87.48
LANCO BUDHIL	0.00	0.00	0.00	1.87	0.00	-1.87	0.43	6.13	-5.69	-7.56
RAMPUR HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.63	0.00	0.63	0.63
SORANG HEP	28.42	0.00	-28.42	1.15	0.00	-1.15	8.15	2.20	5.96	-23.61
MALANA	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.54	-0.54	-0.54
SAINJ HEP	6.87	0.00	-6.87	26.37	0.09	-26.28	0.79	1.96	-1.16	-34.32
RENEW_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.44	3.20	-2.76	-2.76

AZURE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.15	0.00	1.15	1.15
SB_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.90	2.60	-1.69	-1.69
MAHоба_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.33	-2.33	-2.33
ACME_SLR	0.00	0.00	0.00	0.00	0.00	0.00	5.01	0.30	4.71	4.71
AZURE34_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.99	2.93	-0.94	-0.94
TATA_SLR	34.78	0.00	-34.78	0.00	0.00	0.00	6.63	9.02	-2.39	-37.17
RENEW_SLR_BKN	0.00	0.00	0.00	0.00	0.00	0.00	2.25	2.18	0.07	0.07
CLEAN_SLR	9.49	0.00	-9.49	0.00	0.00	0.00	0.97	0.50	0.47	-9.02
ARERJL_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.25	0.80	0.45	0.45
KSMPL_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.43	2.11	-1.68	-1.68
ADANI GREEN	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.54	-0.25	-0.25
ASEJTL_SLR	0.00	0.00	0.00	10.97	0.00	-10.97	2.56	11.16	-8.61	-19.58
SINGOLI BHATWARI HE	57.38	0.00	-57.38	1.43	0.00	-1.43	0.66	1.64	-0.99	-59.80
AZURE43_SLR	0.00	0.00	0.00	0.00	0.00	0.00	2.25	2.35	-0.10	-0.10
MRPL	0.00	0.00	0.00	0.00	0.00	0.00	1.33	2.90	-1.57	-1.57
SB6_POKARAN	0.00	0.00	0.00	0.00	0.00	0.00	2.04	2.30	-0.26	-0.26
EDEN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.22	2.32	-1.10	-1.10
SBSR_SLR	13.12	0.00	-13.12	2.06	0.00	-2.06	2.35	0.00	2.35	-12.83
RENEWSW_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.65	1.53	0.11	0.11
RENEWJH_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.87	0.00	1.87	1.87
ADANIHB_WIND	0.57	0.00	-0.57	0.00	0.00	0.00	0.00	0.00	0.00	-0.57
ADANI_SLR	3.73	0.00	-3.73	0.00	0.00	0.00	0.00	0.00	0.00	-3.73
AHEJOL_W_FTG2	0.00	0.00	0.00	0.03	0.00	-0.03	0.00	0.00	0.00	-0.03
AHEJ2L_SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.07	-5.07	-5.07
AHEJ2L_WIND	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AHEJ3L_SOLAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.50	-3.50	-3.50
AHEJ4L_WIND	58.92	0.00	-58.92	0.00	0.00	0.00	0.00	0.00	0.00	-58.92
AHEJ4L_SOLAR	155.99	0.00	-155.99	0.00	0.00	0.00	3.27	2.53	0.73	-155.25
RENEWSB	0.00	0.00	0.00	0.00	0.00	0.00	2.93	3.00	-0.08	-0.08
AZURE41_SLR	0.00	0.00	0.00	0.00	0.00	0.00	3.25	1.29	1.96	1.96
AYANA_RP1	0.00	0.00	0.00	0.00	0.00	0.00	2.91	1.95	0.96	0.96
AVAADASN_SLR	38.20	0.00	-38.20	0.00	0.00	0.00	7.67	2.15	5.52	-32.68
RENEWURJA_SLR	0.00	0.00	0.00	0.00	0.00	0.00	3.01	0.91	2.10	2.10
AVADARJHN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	7.38	5.21	2.17	2.17
RENEW_SR_SLR	23.99	0.00	-23.99	4.32	0.00	-4.32	1.39	1.34	0.05	-28.26
AZURE_MAPLE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.95	2.75	-0.80	-0.80
THAR1_SLR	36.30	0.00	-36.30	0.00	0.00	0.00	1.65	3.73	-2.09	-38.39
CLEANSR_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.97	1.08	0.89	0.89
ACME_HEERGARH	49.44	0.00	-49.44	0.00	0.00	0.00	2.45	0.82	1.63	-47.81
ABC_BHDL2	68.62	0.00	-68.62	0.00	0.00	0.00	2.51	1.19	1.32	-67.30
MSUPL_BHDL2	0.00	0.00	0.00	0.00	0.00	0.00	2.14	1.72	0.42	0.42
KOLYAT_SLR	72.31	0.00	-72.31	0.00	0.00	0.00	0.00	0.00	0.00	-72.31
TATA_GREEN	48.09	0.00	-48.09	0.00	0.00	0.00	6.23	0.00	6.23	-41.86
NTPC STATIONS-WR	0.00	0.00	0.00	0.04	0.00	-0.04	137.74	114.30	23.43	23.40
BHADRAVATHI HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.06	-0.04	-0.04
VINDHYACHAL HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	-0.16	-0.16
JINDAL POWER	94.45	0.00	-94.45	18.02	0.00	-18.02	2.66	2.94	-0.28	-112.75
LANKO_AMK	5.21	0.00	-5.21	0.00	0.00	0.00	1.15	3.63	-2.48	-7.69
NSPCL	0.00	0.00	0.00	0.00	0.00	0.00	4.46	2.74	1.72	1.72
ACBIL	1.01	0.00	-1.01	74.90	0.14	-74.76	2.52	2.85	-0.33	-76.10
BALCO	0.00	0.00	0.00	0.00	10.52	10.52	13.33	1.46	11.87	22.39
RGPL	0.00	0.00	0.00	0.00	0.00	0.00	1.37	0.65	0.719	0.719
CGPL	0.00	0.00	0.00	5.43	0.00	-5.43	14.50	3.16	11.35	5.92
DCPP	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.02	0.02
EMCO	0.00	0.00	0.00	0.00	0.00	0.00	1.57	3.07	-1.50	-1.50
KSK MAHANADI	0.00	0.00	0.00	0.05	0.00	-0.05	1.80	1.09	0.71	0.67
ESSAR POWER	132.49	0.00	-132.49	6.65	0.00	-6.65	11.08	1.69	9.39	-129.75
JINDAL STAGE-II	179.04	0.00	-179.04	16.18	0.00	-16.18	4.79	1.15	3.64	-191.58
DB POWER	30.63	0.00	-30.63	38.26	0.00	-38.26	1.61	3.51	-1.89	-70.79
DHARIWAL POWER	0.00	0.00	0.00	0.10	0.00	-0.10	1.31	0.26	1.04	0.94
JAYPEE NIGRIE	102.52	0.00	-102.52	28.18	0.00	-28.18	0.90	4.33	-3.42	-134.12
DGEN MEGA POWER	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	1.00	1.00
MB POWER	104.70	0.00	-104.70	3.50	0.00	-3.50	9.92	4.93	4.99	-103.21

MARUTI COAL	0.00	0.00	0.00	0.02	0.00	-0.02	0.00	0.00	0.00	-0.02
JHABUA POWER_MP	0.00	0.00	0.00	11.33	0.00	-11.33	5.18	2.24	2.94	-8.39
SASAN UMPP	0.00	0.00	0.00	12.77	0.00	-12.77	1.35	35.42	-34.07	-46.84
TRN ENERGY	7.44	0.00	-7.44	0.90	0.00	-0.90	0.67	1.95	-1.28	-9.62
RKM POWER	0.00	0.00	0.00	0.00	0.00	0.00	1.54	2.58	-1.04	-1.04
SKS POWER	145.19	0.00	-145.19	0.64	0.00	-0.64	4.60	0.16	4.44	-141.39
BARC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.45	-3.45	-3.45
KAPP 3&4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	213.57	-213.57	-213.57
HVDC CHAMPA	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.17	-0.16	-0.16
MAHINDRA_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.31	4.35	-0.05	-0.05
ARINSUM_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	3.41	5.37	-1.96	-1.96
OSTRO	0.46	0.00	-0.46	8.20	0.00	-8.20	8.18	5.54	2.63	-6.03
ACME_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.02	4.11	-0.09	-0.09
RENEW_BHACHAU	0.00	0.00	0.00	0.00	0.00	0.00	9.41	3.26	6.16	6.16
GIWEL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	13.35	7.16	6.19	6.19
AGEMPL BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	21.01	5.37	15.65	15.65
REGL	7.35	0.00	-7.35	0.00	0.00	0.00	0.00	0.00	0.00	-7.35
RPREL	294.98	0.00	-294.98	13.58	0.00	-13.58	14.00	0.39	13.61	-294.96
AMPS Hazira	0.06	68.90	68.84	3.75	195.53	191.78	19.25	19.64	-0.39	260.23
HVDC RAIGARH	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	-0.28	-0.28
ALFANAR_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	4.95	2.45	2.50	2.50
RENEW_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	8.14	4.18	3.96	3.96
ADANI_WIND	0.22	0.00	-0.22	13.78	0.00	-13.78	0.00	0.00	0.00	-14.01
TPREL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	1.29	1.31	-0.02	-0.02
ESPL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	1.33	2.29	-0.96	-0.96
GIPCL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	1.11	1.39	-0.29	-0.29
GSECL_Radhnesda	0.00	0.00	0.00	0.00	0.00	0.00	0.47	1.07	-0.60	-0.60
AVIKIRAN	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.68	0.42	0.42
SESPL	0.00	0.00	0.00	0.00	0.00	0.00	2.59	0.82	1.77	1.77
POWERICA	0.00	0.00	0.00	0.00	0.00	0.00	1.65	0.72	0.92	0.92
SKRPL	0.00	0.00	0.00	0.00	0.00	0.00	5.49	3.43	2.06	2.06
SBESS	0.00	0.00	0.00	0.00	0.00	0.00	5.44	10.73	-5.28	-5.28
NTPC STATIONS-SR	8.70	0.00	-8.70	203.37	0.00	-203.37	61.98	33.34	28.64	-183.43
LANKO KONDAPALLI	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00	0.46	0.46
SIMHAPURI	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	0.50
MEENAKSHI	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.00	0.54	0.54
COASTGEN	0.00	0.00	0.00	0.00	0.00	0.00	4.00	0.83	3.17	3.17
THERMAL POWERTECH	0.00	0.00	0.00	0.00	0.00	0.00	15.66	2.28	13.39	13.39
IL&FS	0.00	0.00	0.00	0.50	0.00	-0.50	8.03	0.26	7.76	7.26
NLC	0.00	0.00	0.00	7.45	0.00	-7.45	34.32	24.38	9.94	2.49
SEBFCORP	210.63	0.00	-210.63	0.00	0.00	0.00	24.45	1.62	22.83	-187.80
NETCL VALLUR	0.00	0.00	0.00	0.00	0.00	0.00	21.26	1.79	19.46	19.46
NTPL	0.00	0.00	0.00	0.00	0.00	0.00	11.19	0.32	10.87	10.87
AHSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.12	-0.06	-0.06
AKSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.24	1.01	0.23	0.23
ABSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.08	1.11	-0.04	-0.04
AZURE_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.75	0.81	-0.06	-0.06
TATA_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	2.19	1.94	0.25	0.25
FRV_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.88	0.98	-0.10	-0.10
NTPC_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	5.27	3.52	1.75	1.75
GIWEL_TCN	0.00	0.00	0.00	0.00	0.00	0.00	7.39	5.55	1.84	1.84
MYTRAH_TCN	0.00	0.00	0.00	0.00	0.00	0.00	3.92	5.63	-1.71	-1.71
FRV_NPK	0.00	0.00	0.00	0.00	0.00	0.00	0.77	1.05	-0.28	-0.28
ORANGE_TCN	0.00	0.00	0.00	0.00	0.00	0.00	9.46	5.12	4.34	4.34
BETAM_TCN	0.00	0.00	0.00	0.00	0.00	0.00	7.30	4.24	3.06	3.06
SBG_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	4.07	3.65	0.43	0.43
SBG_NPK	0.00	0.00	0.00	0.00	0.00	0.00	2.99	11.89	-8.90	-8.90
FORTUMI_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.86	2.05	-0.19	-0.19
PARAM_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.70	0.65	0.05	0.05
YARROW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.23	0.07	0.07
TATA_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.07	2.15	-0.08	-0.08
RENEW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.20	0.19	0.19
AKS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.24	0.06	0.06

ARS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.24	-0.01	-0.01
AVAADA1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.67	0.77	-0.10	-0.10
ADY1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.18	1.68	-0.51	-0.51
ADY2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.18	1.68	-0.51	-0.51
ADY13_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.18	1.68	-0.51	-0.51
ADY3_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.31	1.62	-0.31	-0.31
ADY6_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.31	1.62	-0.31	-0.31
ADY10_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.18	1.68	-0.51	-0.51
AZURE_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.61	-0.11	-0.11
FORTUM2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.28	1.04	0.24	0.24
AVAADA2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.82	-0.09	-0.09
KREDL_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.17	0.13	0.13
AYANA_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	0.94	1.37	-0.43	-0.43
SPRNG_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	1.35	1.14	0.21	0.21
SPRING_PUGALUR	0.00	0.00	0.00	0.00	0.00	0.00	2.03	0.98	1.05	1.05
OSTRO Hiriyur	0.00	0.00	0.00	0.00	0.00	0.00	2.10	0.91	1.19	1.19
RSTPS_FSPP	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.73	0.20	0.20
GRT_JPL	0.00	0.00	0.00	0.00	0.00	0.00	0.90	0.69	0.22	0.22
NTPC STATIONS-ER	0.00	0.00	0.00	0.45	0.00	-0.45	92.49	62.75	29.73	29.28
MAITHON POWER LTD	0.00	0.00	0.00	0.00	0.00	0.00	3.23	10.08	-6.85	-6.85
NPGC	0.00	0.00	0.00	0.00	0.00	0.00	16.08	10.13	5.95	5.95
ADHUNIK POWER LTD	137.46	0.00	-137.46	6.81	0.00	-6.81	6.99	0.59	6.40	-137.87
CHUZACHEN HEP	0.00	0.00	0.00	7.28	0.00	-7.28	0.99	1.60	-0.60	-7.88
RANGIT HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.15	1.90	-1.75	-1.75
GMR KAMALANGA	2.55	0.00	-2.55	6.80	0.00	-6.80	5.71	0.49	5.22	-4.14
JITPL	198.85	0.00	-198.85	26.45	0.00	-26.45	3.02	2.43	0.59	-224.70
TEESTA HEP	0.00	0.00	0.00	193.27	0.00	-193.27	0.02	8.18	-8.17	-201.43
DAGACHU	66.01	0.00	-66.01	0.00	0.00	0.00	13.09	0.64	12.45	-53.56
JORETHANG	59.53	0.00	-59.53	0.26	0.00	-0.26	2.57	1.72	0.85	-58.94
NEPAL(NVVN)	0.00	0.00	0.00	250.94	0.00	-250.94	19.49	5.45	14.04	-236.90
BANGLADESH	0.00	147.00	147.00	0.00	0.00	0.00	5.29	0.63	4.66	151.66
HVDC PUS	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.09	-0.07	-0.07
TEESTA STG3	317.03	0.00	-317.03	0.00	0.00	0.00	5.15	1.15	4.01	-313.02
DIKCHU HEP	56.38	0.00	-56.38	6.11	0.00	-6.11	0.85	1.02	-0.18	-62.67
HVDC ALPD	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.19	-0.16	-0.16
TASHIDENG HEP	58.73	0.00	-58.73	0.27	0.00	-0.27	1.13	2.93	-1.80	-60.80
BRBCL,NABINAGAR	0.00	0.00	0.00	0.00	0.00	0.00	8.62	7.65	0.97	0.97
MTPS II	0.00	0.00	0.00	0.00	0.00	0.00	5.47	3.75	1.72	1.72
TALA HEP	0.00	0.00	0.00	0.00	0.00	0.00	135.23	1.02	134.22	134.22
CHUKHA HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	142.58	-142.58	-142.58
KURICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.01	30.91	-30.89	-30.89
MANGDECHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	17.73	9.38	8.35	8.35
RONGNICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.30	11.02	-10.71	-10.71
NTPC STATIONS-NER	0.00	0.00	0.00	0.99	0.00	-0.99	6.99	6.86	0.13	-0.86
NEEPCO STATIONS	151.53	0.00	-151.53	54.35	0.00	-54.35	2.19	19.07	-16.88	-222.76
RANGANADI HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.62	2.21	-1.59	-1.59
DOYANG HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.67	-0.50	-0.50
ONGC PALATANA	1.12	0.00	-1.12	24.25	0.00	-24.25	0.60	1.10	-0.50	-25.87
LOKTAK	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.66	-0.52	-0.52
PARE HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.74	-0.48	-0.48

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 exchanges and DSM

Table-29: VOLUME AND PRICE OF RENEWABLE ENERGY CERTIFICATES (RECs) TRANSACTED THROUGH POWER EXCHANGES, OCTOBER 2022

Sr. No.	Details of REC Transactions	IEX		PXIL		HPX	
		Solar	Non-Solar	Solar	Non-Solar	Solar	Non-Solar
A	Volume of Buy Bid	182516	175604	91600	82000	325	65
B	Volume of Sell Bid	4377777	4269713	1798125	2427352	324	65
C	Ratio of Buy Bid to Sell Bid Volume	0.04	0.04	0.05	0.03	1.00	1.00
D	Market Clearing Volume (MWh)	182516	175604	91600	82000	324	65
E	Weighted average Market Clearing Price (₹/MWh)	1000	1000	1000	1000	1000	1000

Source: IEX, PXIL and HPX

Note: 1 REC = 1 MWh

Table-30: VOLUME AND PRICE OF CROSS BORDER TRADE THROUGH DAY AHEAD MARKET AT IEX, OCTOBER 2022

Sr. No.	Neighbouring Country	Volume (MU)			Weighted Average Price (₹/kWh)	
		Sale	Purchase	Net*	Sale	Purchase
1	Nepal	250.94	0.49	-250.45	3.79	8.43
2	Bhutan	-	-	-	-	-

Source: IEX

* Net indicates difference of volume purchased and sold by the respective neighbouring country

Note: No Cross Border transactions were recorded in DAM at PXIL and HPX