

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_TCEN	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
CLEANSR_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
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	Doyang Hydro Electric Project
DSM	Deviation Settlement Mechanism
DVC	Damodar Valley Corporation
EDEN_SLR	Eden RE Cite Private limited
EMCO	EMCO Energy Limited
ESPL_RADHANESDA	Electro Solaire Private Limited, Radhanesda
ESSAR POWER	Essar Power Limited
ESSAR STEEL	Essar Steel Ltd
FORTUM1_PVGD	Fortum Finnsurya Energy Private Ltd, Pavagada Project 1
FORTUM2_PVGD	Fortum Finnsurya Energy Private Ltd, Pavagada Project 2
FRV_ANTP	Fotowatio Renewable Ventures, Anantapur
FRV_NPK	Fotowatio Renewable Ventures, NP Kunta
GIPCL_RADHANESDA	Gujarat Industries Power Company Ltd, Radhanesda
GIWEL_BHUI	Green infra wind energy Limited, Bhuj
GIWEL_TCN	Green Infra Wind Energy Limited, Tuticorin
GMR CHHATTISGARH	GMR Chhattisgarh Energy Limited
GMR KAMALANGA	GMR Kamalanga Energy Ltd.
G-DAM	Green Day Ahead Market
G-TAM	Green Term Ahead Market
HVDC ALPD	Alipurduar High Voltage Direct Current Link
HVDC CHAMPA	Champa-Kurukshetra High Voltage Direct Current Link
HVDC PUS	Pasauli High Voltage Direct Current Link
HVDC RAIGARH	Raigarh-Pugalur High Voltage Direct Current Link
IEX	Indian Energy Exchange Limited
IGSTPS	Indira Gandhi Super Thermal Power Station Jhajjar
IL&FS	Infrastructure Leasing & Financial Services Limited
INOX_BHUI	INOX Wind Limited, Bhuj, Gujarat
J&K	Jammu & Kashmir
JAYPEE NIGRIE	Jaypee Nigrie Super Thermal Power Project
JHABUA POWER MP	Jhabua Thermal Power Project
JINDAL POWER	Jindal Power Limited
JINDAL STAGE-II	Jindal Power Ltd Stage II

JITPL	Jindal India Thermal Power Ltd.
JORETHANG	Jorethang Loop Hydroelectric Power Project
KAPP 3&4	Kakrapar Atomic Power Station Unit 3 & 4
KARCHAM WANGTOO	Karcham Wangtoo H.E. Project
KORBA WEST POWER	Korba West Power Company Limited
KOTESHWAR	Koteshwar Hydro Power project
KREDL_PVGD	Karnataka Renewable Energy Development Ltd,Pavagada
KSK MAHANADI	KSK Mahanadi Power Ltd
KSMPL_SLR	Kilaj Solar (Maharashtra) Private Limited
KURICHU HEP	Kurichhu Hydro-electric Power Station, Bhutan
LANKO_AMK	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 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	Sembcorp Gayatri Power Ltd
SIMHAPURI	Simhapuri Energy Private Limited
SKS Power	SKS Power Generation Chhattisgarh Limited
SINGOLI BHATWARI HEP	Singoli-Bhatwari Hydroelectric Project, Uttarakhand
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) 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 **May 2022** is presented in the following sections.

2. Volume of Short-term Transactions of Electricity

2.1. During May 2022, total electricity generation, excluding generation from renewable and captive power plants in India was 125044.70 MU (Table-1). Of the total electricity generation, 13.46% was transacted through short-term, comprising of 6.59% through bilateral (through traders and term-ahead contracts on power exchanges, and directly between distribution companies), followed by 4.80% through power exchanges {Day Ahead Market (DAM) (including G-DAM) and Real Time Market (RTM)} and 2.08% through DSM (Table-1 & Figure-1).

2.2. Of the total short-term transactions (16837.18 MU), 48.92% was transacted through bilateral (38.11% through traders and term-ahead contracts on power exchanges, and 10.81% directly between distribution companies), followed by 35.62% through power exchanges {DAM (including G-DAM) and RTM} and 15.46% through DSM (Table-1 & Figure-2). Daily volume of short-term transactions is shown in Table-25 & Figure-4.

2.3. Of the total volume of electricity transacted through power exchanges, 41.41% of the volume was transacted in DAM (including G-DAM), followed by 32.49% in Term Ahead Market (TAM) (including G-TAM) and 26.10% in RTM (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 44 trading licensees as of May 2022. Of which, 27 trading licensees were engaged in short-term trading. The top 5 trading licensees, namely PTC India Ltd., NTPC Vidyut Vyapar Nigam Ltd., Adani Enterprises Ltd., Tata Power Trading Company (P) Ltd. and Manikaran Power Ltd. had a share of 82.77% 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 0.1691 for the month of May 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 3172.50 MU and 13.02 MU respectively. The volume of total buy bids and sell bids was 6533.67 MU and 5555.18 MU respectively in IEX, while the same was 69.85 MU and 124.52 MU respectively in PXIL.

2.7. Of the total volume of electricity transacted in the DAM of IEX, 84.69 MU was transacted between India and the neighboring countries under Cross Border Trade of electricity through power exchange (Table-29). No Cross Border transaction of electricity was undertaken through PXIL.

2.8. The volume of electricity transacted in the G-DAM of IEX was 493.17 MU, while no electricity was transacted in the G-DAM of PXIL. The volume of total buy bids and sell bids was 1635.57 MU and 838.68 MU respectively in IEX. The volume of total buy bids was 3.77

MU in PXIL, while no sell bids were received.

2.9. The volume of electricity transacted in the RTM of IEX was 2318.72 MU, while no electricity was transacted in the RTM of PXIL. The volume of total buy bids and sell bids was 3916.87 MU and 3496.11 MU respectively in IEX. The volume of total sell bids was 4.74 MU in PXIL, while no buy bids were received. 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 and PXIL was 1188.60 MU and 1157.77 MU respectively (Table-8 & Table-9). The volume of electricity transacted in the Green Term Ahead Market (G-TAM) of IEX and PXIL was 152.70 MU and 386.99 MU respectively (Table-10 & Table-11).

3. Price of Short-term Transactions of Electricity

3.1. **Price of electricity transacted through Traders:** The minimum, maximum and weighted average sale prices for the electricity transacted through traders were ₹3.25/kWh, ₹12.03/kWh and ₹6.49/kWh respectively (Table-3). The weighted average sale prices were also computed for the electricity transacted during Round the Clock (RTC), Peak and Off-peak periods separately, and the sale prices were ₹6.75/kWh, ₹8.00/kWh and ₹5.04/kWh respectively (Table-4).

3.2. **Price of electricity transacted through Power Exchanges:** The minimum, maximum and weighted average prices for the electricity transacted in the DAM of IEX were ₹1.00/kWh, ₹12.00/kWh and ₹6.81/kWh respectively. These prices in the DAM of PXIL were ₹3.36/kWh, ₹12.00/kWh and ₹4.77/kWh respectively (Table-5). The minimum, maximum and weighted average prices for the electricity transacted in the G-DAM of IEX were ₹3.00/kWh, ₹12.00/kWh and ₹5.91/kWh respectively. (Table-6). The minimum, maximum and weighted average prices for the electricity transacted in the RTM of IEX were ₹0.20/kWh, ₹12.00/kWh and ₹6.10/kWh respectively (Table-7). The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹9.98/kWh and ₹10.85/kWh respectively (Table-8 and Table-9). The price of electricity transacted in the G-TAM of IEX and PXIL was ₹6.82/kWh and ₹7.78/kWh respectively (Table-10 and Table-11).

3.3. **Price of electricity transacted through DSM:** The minimum, maximum and average price of DSM was ₹0.00/kWh, ₹8.00/kWh and ₹4.87/kWh respectively (Table-12).

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-26(a) & (b) and Figure-7.

4. Trading Margin

4.1. As per the CERC (Procedure, Terms and Conditions for grant of trading licence and other related matters) Regulations 2020, the trading licensees are allowed to charge trading margin of not less than 0 paise/kWh and upto 7 paise/kWh. The weighted average trading margin charged by the trading licensees for bilateral transactions during the month was ₹0.022/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 32.93% of the volume. These were Karnataka, Sembcorp Gayatri Power Ltd., Madhya Pradesh, Jaypee Nigrie Super Thermal Power Project and Raipur Energen Limited (Table-13). Top 5 regional entities/states purchased 50.02% of the volume, and these were Gujarat, Tamil Nadu, Maharashtra, Delhi and Odisha (Table-14).

5.2. Of the total DAM transactions at power exchanges, top 5 regional entities/states sold 34.86% of the volume, and these were Karnataka, Himachal Pradesh, Jindal India Thermal Power Ltd., Raipur Energen Limited and Essar Power Limited (Table-15). Top 5 regional entities/states purchased 53.60% of the volume, and these were Punjab, Haryana, Gujarat, Tamil Nadu and Uttar Pradesh (Table-16).

5.3. Of the total G-DAM transactions at power exchanges, top 5 regional entities/states sold 84.18% of the volume, and these were Andhra Pradesh, Karnataka, Adani Hybrid Energy

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.

Jaisalmer Four Limited (Solar), Adani Hybrid Energy Jaisalmer Three Limited (Solar) and Adani Solar Power Project (Table-17). Top 5 regional entities/states purchased 70.57% of the volume, and these were Punjab, Maharashtra, Gujarat, Uttar Pradesh and Jharkhand (Table-18).

5.4. Of the total RTM transactions at power exchanges, top 5 regional entities/states sold 40.34% of the volume, and these were Bihar, Karnataka, Madhya Pradesh, Delhi and West Bengal (Table-19). Top 5 regional entities/states purchased 50.67% of the volume, and these were Punjab, West Bengal, Rajasthan, Maharashtra and Andhra Pradesh (Table-20).

5.5. Of the total under drawal in May 2022, top 5 regional entities/states under drew 30.54% of the volume, and these were Gujarat, Haryana, Karnataka, Tamil Nadu and NHPC Stations (Table-21). Top 5 regional entities/states overdrew 30.34% of the total over drawal volume, and these were NTPC Stations (Western Region), NTPC Stations (Northern Region), Uttar Pradesh, Rajasthan and Madhya Pradesh (Table-22).

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-23 & 27. Top 5 electricity selling regional entities/states were Karnataka, Sembcorp Gayatri Power Ltd., Raipur Energen Limited, Jindal India Thermal Power Ltd. and Jaypee Nigrie Super Thermal Power Project. Top 5 electricity purchasing regional entities/states were Gujarat, Tamil Nadu, Punjab, Maharashtra and Uttar Pradesh.

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

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

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 May 2022, congestion was experienced in only RTM of IEX (Table-24).

6.3. The volume of electricity that could not be cleared due to congestion in RTM of IEX was 0.06% of the unconstrained cleared volume. In terms of time, congestion occurred was 0.10% in RTM of IEX during the month (Table-24).

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

7.1. The concept of Renewable Energy Certificates (RECs) seeks to address mismatch between availability of renewable energy and the requirement of the obligated entities to meet their renewable purchase obligation by purchasing green attributes of renewable energy remotely located, in the form of RECs. The REC mechanism is a market based instrument, to promote renewable sources of energy and development of electricity market.

7.2. One REC is equivalent to 1 MWh electricity injected into the grid from renewable energy sources. The REC is exchanged only in the power exchanges approved by CERC within the band of a floor price and forbearance (ceiling) price as notified by CERC from time to time. The first REC trading was held on power exchanges in May, 2011.

7.3. The details of REC transactions for the month of May 2022 are shown in Table-28. The market clearing volume of solar RECs transacted on IEX and PXIL were 103282 and 39499 respectively and the weighted average market clearing price of these RECs was ₹2201/MWh in IEX and ₹2300/MWh in PXIL. Market clearing volume of non-solar RECs transacted on

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.

IEX and PXIL were 171699 and 80890 respectively and the weighted average market clearing price of these RECs was ₹ 1000/MWh in IEX and ₹ 1000/MWh in PXIL.

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 1.38 and 1.83 in IEX and PXIL respectively. For non-solar RECs, the ratio of buy bids to sell bids 0.13 and 0.18 in IEX and PXIL respectively.

8. Inferences:

- a) The percentage of short-term transactions of electricity to total electricity generation was 13.46%.
- b) Of the total short-term transactions (16837.18 MU), 48.92% was transacted through bilateral (38.11% through traders and term-ahead contracts on power exchanges, and 10.81% directly between distribution companies), followed by 35.62% through power exchanges {DAM (including G-DAM) and RTM} and 15.46% through DSM.
- c) Of the total volume of electricity transacted through power exchanges, 41.41% of the volume was transacted in DAM (including G-DAM), followed by 32.49% in Term Ahead Market (TAM) (including G-TAM) and 26.10% in RTM.
- d) Top 5 trading licensees had a share of 82.77% 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 0.1691, indicating moderate concentration of market power.
- f) The weighted average sale price of electricity transacted through trading licensees was ₹6.49/kWh.
- g) The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹9.98/kWh and ₹10.85/kWh respectively. The weighted average price of electricity transacted in the G-TAM of IEX and PXIL was ₹6.82/kWh and ₹7.78/kWh respectively.
- h) The weighted average price of electricity transacted in DAM of IEX and PXIL was ₹6.81/kWh and ₹4.77/kWh respectively. The weighted average price of electricity

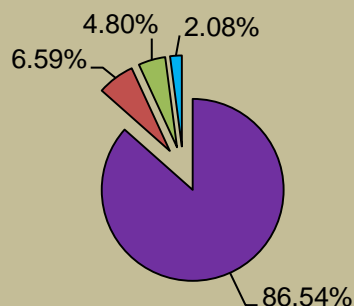
transacted in G-DAM of IEX was ₹5.91/kWh. The weighted average price of electricity transacted in RTM of IEX was ₹6.10/kWh. No electricity was transacted in the G-DAM and RTM of PXIL.

- i) The average price of electricity transacted through DSM was ₹4.87/kWh.
- j) The weighted average trading margin charged by the trading licensees for bilateral transactions was ₹0.022/kWh, which was in line with the Trading Licence Regulations 2020.
- k) Top 5 electricity selling regional entities/states were Karnataka, Sembcorp Gayatri Power Ltd., Raipur Energen Limited, Jindal India Thermal Power Ltd. and Jaypee Nigrie Super Thermal Power Project. Top 5 electricity purchasing regional entities/states were Gujarat, Tamil Nadu, Punjab, Maharashtra and Uttar Pradesh.
- l) During the month, congestion was experienced in only RTM of IEX. The volume of electricity that could not be cleared, due to congestion, in RTM of IEX was 0.06% of the unconstrained cleared volume. In terms of time, congestion occurred was 0.10% in RTM of IEX during the month.
- m) The market clearing volume of solar RECs transacted on IEX and PXIL were 103282 and 39499 respectively and the weighted average market clearing price of these RECs was ₹2201/MWh in IEX and ₹2300/MWh in PXIL. Market clearing volume of non-solar RECs transacted on IEX and PXIL were 171699 and 80890 respectively and the weighted average market clearing price of these RECs was ₹ 1000/MWh in IEX and ₹ 1000/MWh in PXIL.

Table-1: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (ALL INDIA), MAY 2022				
Sr.No	Short-term transactions	Volume (MU)	% to Volume of short-term transactions	% to Total Generation
1	Bilateral	8237.01	48.92	6.59
	(i) Through Traders and PXs	6416.88	38.11	5.13
	(ii) Direct	1820.14	10.81	1.46
2	Through Power Exchanges	5997.41	35.62	4.80
	(i) IEX			
	(a) DAM	3172.50	18.84	2.54
	(b) RTM	2318.72	13.77	1.85
	(c) GDAM	493.17	2.93	0.39
	(ii)PXIL			
	(a) DAM	13.02	0.08	0.01
	(b) RTM	0.00	0.00	0.00
	(c) GDAM	0.00	0.00	0.00
3	Through DSM	2602.76	15.46	2.08
	Total Short-term transactions	16837.18	-	13.46
	Total Generation	125044.70	-	-

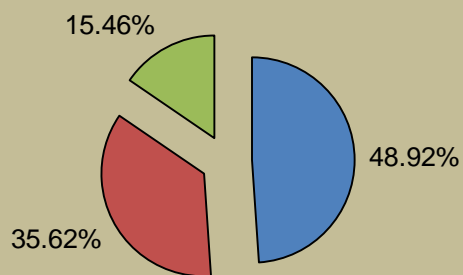
Source: NLDC

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



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

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



■ Bilateral ■ Power Exchanges ■ DSM

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

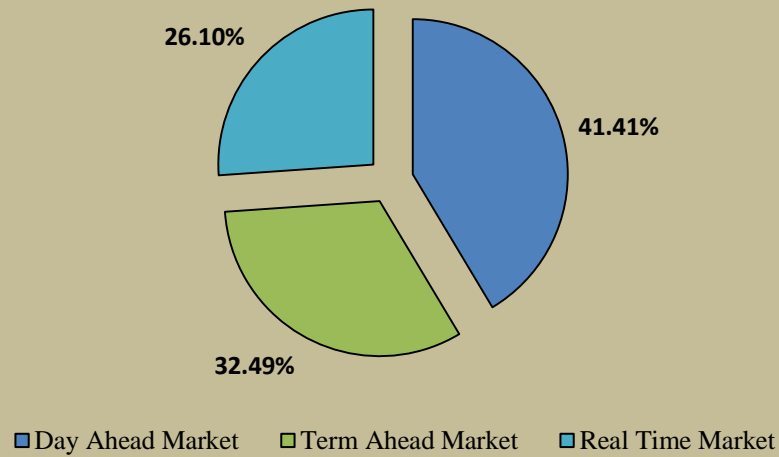


Figure-4: Volume of Short-term Transactions of Electricity, May 2022 (Day-wise)

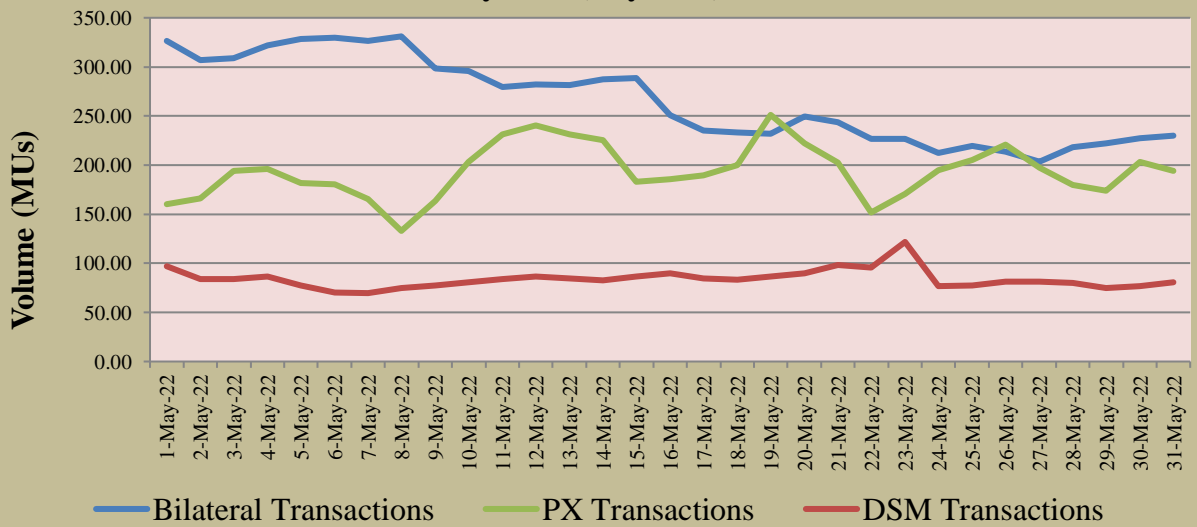


Table-2: PERCENTAGE SHARE OF ELECTRICITY TRANSACTED BY TRADING LICENSEES, MAY 2022			
Sr. No	Name of the Trading Licensee	% Share in total Volume transacted by Trading Licensees	Herfindahl-Hirschman Index
1	PTC India Ltd.	28.62	0.0819
2	NTPC Vidyut Vyapar Nigam Ltd.	20.36	0.0414
3	Adani Enterprises Ltd.	15.45	0.0239
4	Tata Power Trading Company (P) Ltd.	10.80	0.0117
5	Manikaran Power Ltd.	7.54	0.0057
6	GMR Energy Trading Ltd.	4.05	0.0016
7	Arunachal Pradesh Power Corporation (P) ltd	4.05	0.0016
8	JSW Power Trading Company Ltd	2.64	0.0007
9	Kreate Energy (I) Pvt. Ltd.	1.43	0.0002
10	NHPC Limited	1.00	0.0001
11	Instinct Infra & Power Ltd.	0.91	0.0001
12	Knowledge Infrastructure Systems (P) Ltd	0.84	0.0001
13	Greenko Energies Pvt Ltd	0.70	0.0000
14	RPG Power Trading Company Ltd.	0.55	0.0000
15	Statkraft Markets Pvt. Ltd.	0.53	0.0000
16	Abja Power Private Limited	0.21	0.0000
17	Shree Cement Ltd.	0.14	0.0000
18	Saranyu Power Trading Private Limited	0.05	0.0000
19	Ambitious Power Trading Company Ltd.	0.03	0.0000
20	NLC India Ltd.	0.03	0.0000
21	National Energy Trading & Services Ltd.	0.03	0.0000
22	Shubheksha Advisors Pvt. Ltd.	0.02	0.0000
23	Instant Venture Pvt. Ltd.	0.02	0.0000
24	Phillip Commodities India (P) Ltd.	0.01	0.0000
25	Gita Power & Infrastructure Private Limited	0.004	0.0000
26	Altilium Energie Private Limited	0.003	0.0000
27	Customized Energy Solutions India (P) Ltd.	0.001	0.0000
TOTAL		100.00%	0.1691
Top 5 trading licensees		82.77%	
<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>			

Figure 5: Percentage Share of Electricity Transacted by Trading Licensees, May 2022

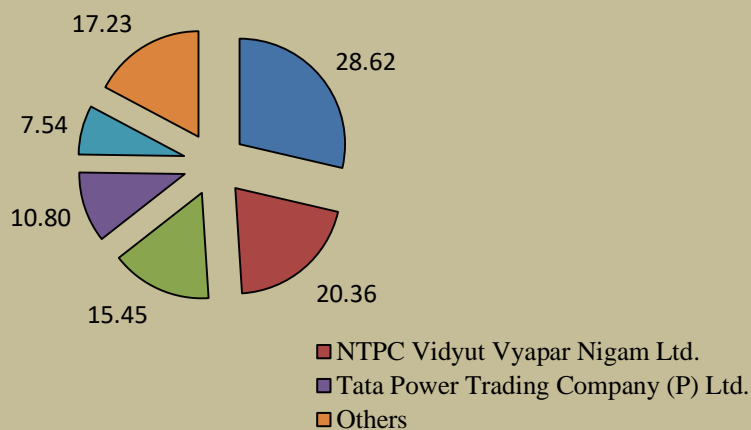


Table-3: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS, MAY 2022		
Sr.No	Item	Sale Price of Traders (₹/kWh)
1	Minimum	3.25
2	Maximum	12.03
3	Weighted Average	6.49

Source: Information submitted by trading licensees

Table-4: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS (TIME-WISE), MAY 2022		
Sr.No	Period of Trade	Sale Price of Traders (₹/kWh)
1	RTC	6.75
2	PEAK	8.00
3	OFF PEAK	5.04

Source: Information submitted by trading licensees

Table-5: PRICE OF ELECTRICITY TRANSACTED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MAY 2022			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	1.00	3.36
2	Maximum	12.00	12.00
3	Weighted Average	6.81	4.77

Source: IEX and PXIL

Table-6: PRICE OF ELECTRICITY TRANSACTED IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MAY 2022			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	3.00	-
2	Maximum	12.00	-
3	Weighted Average	5.91	-

Source: IEX and PXIL

Table-7: PRICE OF ELECTRICITY TRANSACTED IN REAL TIME MARKET THROUGH POWER EXCHANGES, MAY 2022			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	0.20	-
2	Maximum	12.00	-
3	Weighted Average	6.10	-

Source: IEX and PXIL

Table-8: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF IEX, MAY 2022			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	6.95	9.87
2	Day Ahead Contingency Contracts	449.53	7.42
3	Daily Contracts	713.69	11.48
4	Weekly Contracts	18.43	14.49
	Total	1188.60	9.98

Source: IEX

Table-9: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF PXIL, MAY 2022			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	13.26	10.69
2	Day Ahead Contingency Contracts	334.56	6.89
3	Any Day(s) Contracts	809.95	12.48
	Total	1157.77	10.85

Source: PXIL

Table-10: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF IEX, MAY 2022			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Day Ahead Contingency Contracts	91.89	6.63
2	Daily Contracts	60.80	7.11
	Total	152.70	6.82

Source: IEX

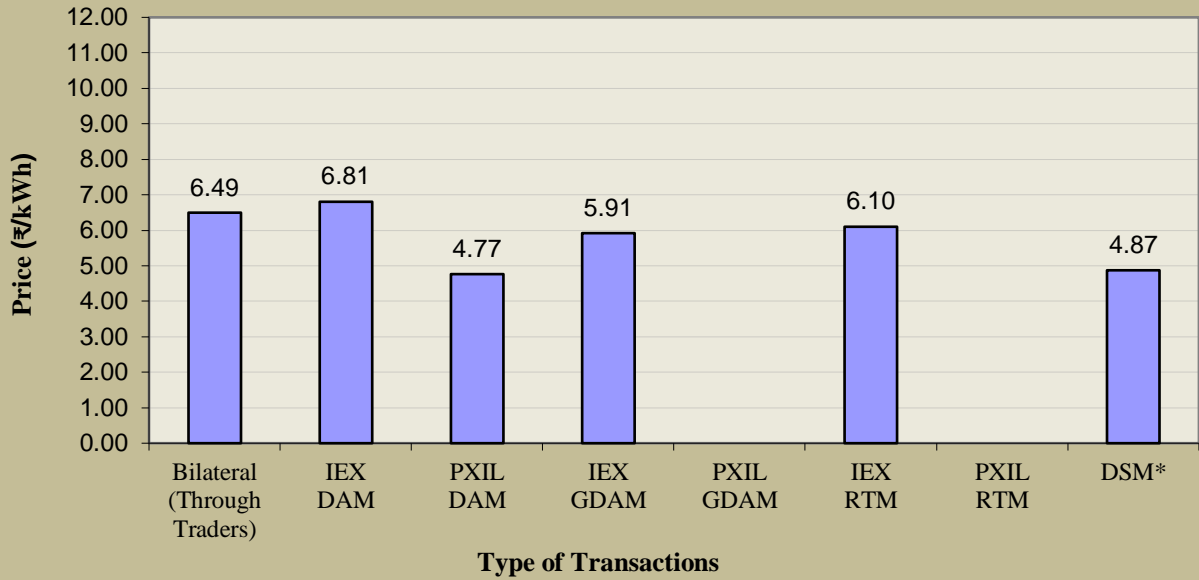
Table-11: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF PXIL, MAY 2022			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	1.35	6.41
2	Day Ahead Contingency Contracts	255.63	6.58
3	Any Day(s) Contracts	130.00	10.16
	Total	386.99	7.78

Source: PXIL

Table-12: PRICE OF ELECTRICITY TRANSACTED THROUGH DSM, MAY 2022		
Sr.No	Item	Price in All India Grid (₹/kWh)
1	Minimum	0.00
2	Maximum	8.00
3	Average	4.87

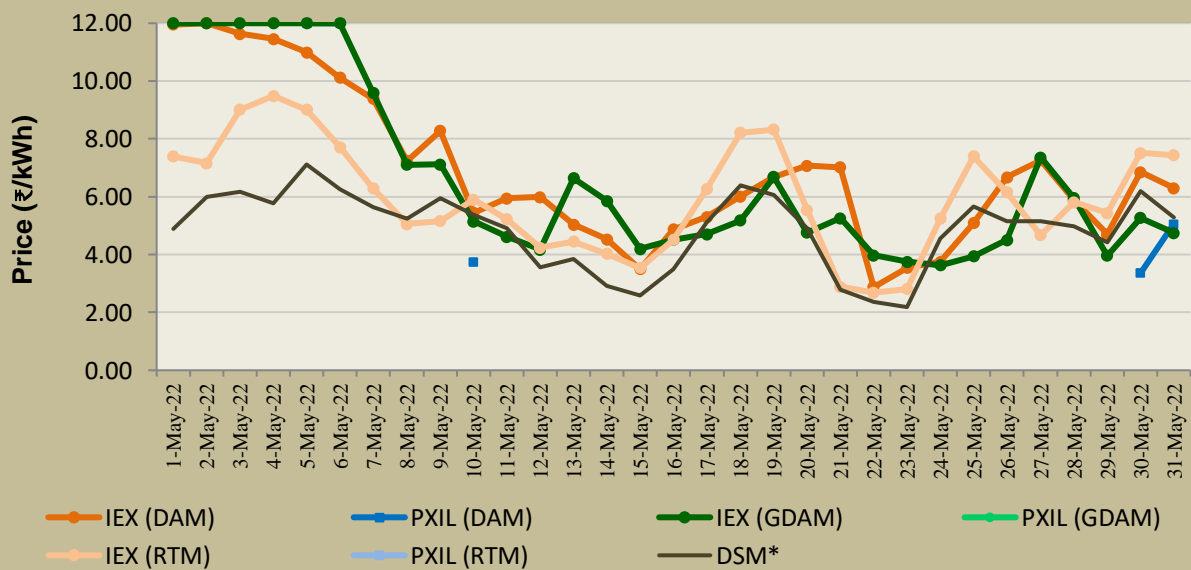
Source: NLDC

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



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

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



Note: On PXIL, transactions were recorded in DAM only on 5th – 6th, 10th, 30th – 31st May 2022. Further, no electricity was transacted in G-DAM & RTM of PXIL during May 2022.

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

Table-13: VOLUME OF ELECTRICITY SOLD THROUGH BILATERAL, MAY 2022		
Name of the Entity	Volume of Sale (MUs)	% of Volume
KARNATAKA	862.29	10.47
SEMBCORP	532.59	6.47
MP	485.38	5.89
JAYPEE NIGRIE	427.23	5.19
RPREL	405.44	4.92
JITPL	372.00	4.52
JINDAL STAGE-II	339.07	4.12
ESSAR POWER	332.70	4.04
RKM POWER	310.60	3.77
DB POWER	299.18	3.63
REGL	287.60	3.49
HIMACHAL PRADESH	280.09	3.40
ADHUNIK POWER LTD	261.70	3.18
TEESTA HEP	258.22	3.13
IL&FS	170.71	2.07
JINDAL POWER	163.87	1.99
RAJASTHAN	160.45	1.95
KSK MAHANADI	157.86	1.92
DVC	138.35	1.68
PUNJAB	131.04	1.59
J & K	123.04	1.49
AHEJ4L_SOLAR	103.16	1.25
MB POWER	96.60	1.17
AHEJ4L_WIND	88.41	1.07
TELANGANA	85.47	1.04
MAHARASHTRA	82.18	1.00
SHREE CEMENT	70.63	0.86
JHABUA POWER_MP	70.32	0.85
COASTGEN	68.99	0.84
WEST BENGAL	66.11	0.80
RGPPL	55.20	0.67
DIKCHU HEP	53.80	0.65
AHEJ3L_SOLAR	52.31	0.64
ODISHA	51.30	0.62
CLEANSR_SLR	46.92	0.57
AHEJ2L_SOLAR	45.25	0.55
TATA_SLR	37.71	0.46
ACME_HEERGARH	34.57	0.42
MEGHALAYA	32.97	0.40
GMR KAMALANGA	31.44	0.38
SINGOLI BHATWARI HEP	29.92	0.36
DAGACHU	29.84	0.36
AD HYDRO	29.11	0.35
SORANG HEP	28.44	0.35
UTTAR PRADESH	28.19	0.34
ACBIL	27.04	0.33
RENEW_SLR_BKN	23.27	0.28
AHEJ2L_WIND	20.89	0.25
ABC_BHDL2	20.82	0.25
UTTARAKHAND	20.82	0.25
RENEWURJA_SLR	20.66	0.25
NEEPCO STATIONS	19.14	0.23
MANIPUR	19.07	0.23
ADANIHB_SLR	17.97	0.22

AHEJ3L_WIND	17.22	0.21
KARCHAM WANGTOO	16.67	0.20
ADANI_WIND	14.75	0.18
OSTRO	13.91	0.17
GUJARAT	13.76	0.17
JORETHANG	13.48	0.16
RENEWSW_SLR	13.38	0.16
MARUTI COAL	12.48	0.15
THAR1_SLR	12.29	0.15
AHEJOL_S_FTG2	10.33	0.13
TASHIDENG HEP	9.59	0.12
EMCO	8.98	0.11
KERALA	8.40	0.10
ANDHRA PRADESH	8.18	0.10
RENEW_SLR	6.75	0.08
AHEJOL_W_FTG2	6.48	0.08
ARUNACHAL PRADESH	5.30	0.06
LANKO_AMK	5.21	0.06
ONGC PALATANA	5.21	0.06
CONTINNUM PT	5.19	0.06
AYANA_RP1	4.90	0.06
MSUPL_BHDL2	4.35	0.05
JHARKHAND	3.90	0.05
NAGALAND	3.72	0.05
ASEJTL_SLR	2.57	0.03
NTPC STATIONS-WR	1.21	0.01
BIHAR	0.90	0.01
CHHATTISGARH	0.86	0.01
Total	8237.89	100.00
Volume Sold by top 5 Regional Entities	2712.94	32.93

Table-14: VOLUME OF ELECTRICITY PURCHASED THROUGH BILATERAL, MAY 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
GUJARAT	1148.25	13.94
TAMIL NADU	896.82	10.89
MAHARASHTRA	778.90	9.46
DELHI	664.61	8.07
ODISHA	631.47	7.67
UTTAR PRADESH	622.84	7.56
ANDHRA PRADESH	489.59	5.94
HARYANA	394.20	4.79
CHHATTISGARH	355.84	4.32
UTTARAKHAND	298.42	3.62
AMPS Hazira	245.48	2.98
PUNJAB	232.29	2.82
BALCO	224.09	2.72
JHARKHAND	219.28	2.66
WEST BENGAL	204.81	2.49
KERALA	184.84	2.24
BANGLADESH	148.80	1.81
MP	122.12	1.48
DADRA & NAGAR HAVELI	93.87	1.14
TELANGANA	88.98	1.08
GOA	75.12	0.91
BIHAR	74.70	0.91
NEPAL(NVVN)	19.14	0.23
SIKKIM	10.75	0.13
PONDICHERRY	6.02	0.07
KARNATAKA	2.75	0.03
RAJASTHAN	1.80	0.02
HIMACHAL PRADESH	0.60	0.01
DAMAN AND DIU	0.40	0.005
ASSAM	0.23	0.003
TOTAL	8237.01	100.00
Volume Purchased by top 5 Regional Entities	4120.04	50.02

Table-15: VOLUME OF ELECTRICITY SOLD IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MAY 2022		
Name of the Entity	Volume of Sale (MUs)	% of Volume
KARNATAKA	416.00	13.06
HIMACHAL PRADESH	192.36	6.04
JITPL	189.98	5.96
RPREL	167.12	5.25
ESSAR POWER	144.96	4.55
TELANGANA	133.91	4.20
TEESTA STG3	99.83	3.13
CHHATTISGARH	97.52	3.06
ASSAM	96.05	3.02
MP	95.48	3.00
DELHI	93.43	2.93
JAYPEE NIGRIE	86.37	2.71
SEMBCORP	82.02	2.57
MAHARASHTRA	77.88	2.44
UTTAR PRADESH	75.75	2.38
JINDAL STAGE-II	75.72	2.38
BIHAR	72.88	2.29
KERALA	66.66	2.09
ANDHRA PRADESH	66.64	2.09
DB POWER	62.84	1.97
TAMIL NADU	58.00	1.82
ACBIL	56.75	1.78
MB POWER	53.27	1.67
NEEPCO STATIONS	42.56	1.34
KARCHAM WANGTOO	33.62	1.06
RKM POWER	29.50	0.93
WEST BENGAL	29.01	0.91
SAINJ HEP	28.31	0.89
ODISHA	27.65	0.87
UTTARAKHAND	27.50	0.86
ARUNACHAL PRADESH	25.22	0.79
GUJARAT	22.80	0.72
JHARKHAND	20.24	0.64
ADHUNIK POWER LTD	19.46	0.61
AHEJ4L_SOLAR	19.17	0.60
AD HYDRO	19.17	0.60
CHANDIGARH	18.91	0.59
GOA	16.78	0.53
MARUTI COAL	16.54	0.52
REGL	15.26	0.48
DVC	14.68	0.46
ADANI_SLR	14.23	0.45
EMCO	14.13	0.44
AHEJ3L_SOLAR	13.17	0.41
TASHIDENG HEP	11.82	0.37
JORETHANG	11.75	0.37
GMR KAMALANGA	11.69	0.37
ONGC PALATANA	11.31	0.35
RENEW_SR_SLR	10.94	0.34
NTPC STATIONS-NR	10.52	0.33
AHEJ2L_SOLAR	9.28	0.29
SIKKIM	8.23	0.26
J & K	7.92	0.25

NAGALAND	7.10	0.22
JINDAL POWER	6.61	0.21
RAJASTHAN	5.81	0.18
NLC	5.57	0.17
CHUZACHEN HEP	5.00	0.16
MIZORAM	4.96	0.16
ADANI GREEN	4.48	0.14
DIKCHU HEP	4.28	0.13
RGPPL	3.38	0.11
LANCO BUDHIL	2.89	0.09
MEGHALAYA	2.88	0.09
SINGOLI BHATWARI HEP	1.64	0.05
RENEWURJA_SLR	1.55	0.05
SORANG HEP	1.53	0.05
ADANI_WIND	1.15	0.04
DHARIWAL POWER	1.05	0.03
RENEW_SLR_BKN	1.02	0.03
NTPC STATIONS-WR	0.61	0.02
SHREE CEMENT	0.41	0.01
OSTRO	0.36	0.01
DADRA & NAGAR HAVELI	0.35	0.01
IL&FS	0.12	0.004
Total	3185.52	100.00
Volume sold by top 5 Regional Entities	1110.42	34.86

Table-16: VOLUME OF ELECTRICITY PURCHASED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MAY 2022

Name of the Entity	Volume of Purchase (MUs)	% of Volume
PUNJAB	452.37	14.20
HARYANA	388.28	12.19
GUJARAT	362.27	11.37
TAMIL NADU	256.73	8.06
UTTAR PRADESH	247.95	7.78
RAJASTHAN	237.00	7.44
WEST BENGAL	183.54	5.76
ANDHRA PRADESH	174.20	5.47
MAHARASHTRA	104.97	3.30
ASSAM	85.52	2.68
MP	83.43	2.62
DELHI	68.78	2.16
NEPAL(NVVN)	63.22	1.98
TELANGANA	60.58	1.90
AMPS Hazira	54.32	1.71
UTTARAKHAND	52.95	1.66
JHARKHAND	48.15	1.51
BIHAR	44.26	1.39
ODISHA	36.63	1.15
HIMACHAL PRADESH	33.00	1.04
KERALA	24.57	0.77
NEP	21.47	0.67
CHHATTISGARH	20.37	0.64
GOA	15.97	0.50
RAIL	15.25	0.48
KARNATAKA	14.07	0.44
DADRA & NAGAR HAVELI	10.35	0.32
TRIPURA	8.25	0.26
BALCO	5.80	0.18
DAMAN AND DIU	5.25	0.16
CHANDIGARH	3.10	0.10
MANIPUR	1.92	0.06
MEGHALAYA	0.63	0.02
J & K	0.36	0.01
ARUNACHAL PRADESH	0.04	0.001
TOTAL	3185.52	100.00
Volume purchased by top 5 Regional Entities	1707.59	53.60

Table-17: VOLUME OF ELECTRICITY SOLD IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MAY 2022

Name of the Entity	Volume of Sale (MUs)	% of Volume
ANDHRA PRADESH	290.12	58.83
KARNATAKA	54.83	11.12
AHEJ4L_SOLAR	34.25	6.94
AHEJ3L_SOLAR	20.94	4.25
ADANI_SLR	15.01	3.04
AHEJ2L_SOLAR	14.07	2.85
MP	11.73	2.38
TELANGANA	10.37	2.10
MAHARASHTRA	9.58	1.94
NTPC STATIONS-SR	7.83	1.59
ADANI GREEN	5.96	1.21
ADANI_WIND	5.19	1.05
OSTRO	3.19	0.65
KERALA	1.98	0.40
RENEW_SLR_BKN	1.81	0.37
RAJASTHAN	1.78	0.36
RENEWURJA_SLR	1.76	0.36
J & K	1.39	0.28
CONTINNUM PT	1.13	0.23
HIMACHAL PRADESH	0.25	0.05
Total	493.17	100.00
Volume sold by top 5 Regional Entities	415.15	84.18

Table-18: VOLUME OF ELECTRICITY PURCHASED IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MAY 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
PUNJAB	176.03	35.69
MAHARASHTRA	65.43	13.27
GUJARAT	42.17	8.55
UTTAR PRADESH	38.04	7.71
JHARKHAND	26.35	5.34
KARNATAKA	19.91	4.04
WEST BENGAL	17.43	3.53
DELHI	16.97	3.44
RAIL	15.37	3.12
DADRA & NAGAR HAVELI	14.53	2.95
ODISHA	13.62	2.76
DVC	11.80	2.39
ASSAM	8.23	1.67
HARYANA	7.88	1.60
KERALA	6.27	1.27
DAMAN AND DIU	4.79	0.97
TELANGANA	3.13	0.63
TAMIL NADU	2.90	0.59
HIMACHAL PRADESH	0.86	0.17
BALCO	0.61	0.12
ANDHRA PRADESH	0.57	0.12
MEGHALAYA	0.27	0.05
TOTAL	493.17	100.00
Volume purchased by top 5 Regional Entities	348.03	70.57

Table-19: VOLUME OF ELECTRICITY SOLD IN REAL TIME MARKET THROUGH POWER EXCHANGES, MAY 2022

Name of the Entity	Volume of Sale (MUs)	% of Volume
BIHAR	283.88	12.24
KARNATAKA	191.42	8.26
MP	180.04	7.76
DELHI	155.70	6.71
WEST BENGAL	124.43	5.37
CHHATTISGARH	111.90	4.83
ANDHRA PRADESH	108.40	4.67
TELANGANA	96.63	4.17
J & K	84.23	3.63
UTTAR PRADESH	78.30	3.38
ASSAM	69.27	2.99
HIMACHAL PRADESH	68.71	2.96
NLC	66.24	2.86
KERALA	64.26	2.77
NEEPCO STATIONS	60.57	2.61
RAJASTHAN	56.07	2.42
MAHARASHTRA	54.47	2.35
ODISHA	49.04	2.11
TRIPURA	34.84	1.50
TEESTA STG3	30.80	1.33
TAMIL NADU	30.05	1.30
UTTARAKHAND	28.73	1.24
SEMBCORP	27.98	1.21
MB POWER	24.31	1.05
JINDAL STAGE-II	21.75	0.94
HARYANA	19.17	0.83
JHARKHAND	17.85	0.77
MANIPUR	13.37	0.58
SASAN UMPP	12.38	0.53
RKM POWER	11.44	0.49
MEGHALAYA	9.19	0.40
NAGALAND	9.11	0.39
DB POWER	8.66	0.37
ESSAR POWER	8.14	0.35
RPREL	7.08	0.31
PUNJAB	7.01	0.30
ARUNACHAL PRADESH	6.38	0.28
JORETHANG	6.25	0.27
DVC	6.13	0.26
DIKCHU HEP	6.13	0.26
SIKKIM	6.01	0.26
GOA	5.42	0.23
EMCO	5.02	0.22
SORANG HEP	4.62	0.20
GUJARAT	4.30	0.19
KARCHAM WANGTOO	3.92	0.17
SAINJ HEP	3.68	0.16
SINGOLI BHATWARI HEP	3.63	0.16
ONGC PALATANA	3.34	0.14
GMR KAMALANGA	2.81	0.12
CGPL	2.69	0.12
TASHIDENG HEP	2.63	0.11
AD HYDRO	2.40	0.10
ACBIL	2.29	0.10

JINDAL POWER	2.14	0.09
OSTRO	1.93	0.08
ADHUNIK POWER LTD	1.65	0.07
NTPC STATIONS-ER	1.63	0.07
NTPC STATIONS-NER	1.05	0.05
CHUZACHEN HEP	1.01	0.04
JHABUA POWER_MP	0.78	0.03
CHANDIGARH	0.70	0.03
JITPL	0.66	0.03
AHEJ4L_SOLAR	0.56	0.02
DADRA & NAGAR HAVELI	0.50	0.02
RGPPL	0.39	0.02
LANCO BUDHIL	0.35	0.02
AHEJ3L_SOLAR	0.34	0.01
MARUTI COAL	0.33	0.01
REGL	0.33	0.01
MAITHON POWER LTD	0.30	0.01
DAMAN AND DIU	0.25	0.01
IL&FS	0.22	0.01
NTPC STATIONS-SR	0.19	0.01
RENEW_SR_SLR	0.13	0.01
DHARIWAL POWER	0.08	0.003
ADANI_SLR	0.06	0.003
KSK MAHANADI	0.03	0.001
RGPPL_Others	0.02	0.001
ADANI GREEN	0.01	0.001
RENEWURJA_SLR	0.01	0.0003
RENEW_SLR_BKN	0.003	0.0001
Total	2318.72	100.00
Volume sold by top 5 Regional Entities	935.47	40.34

Table-20: VOLUME OF ELECTRICITY PURCHASED IN REAL TIME MARKET THROUGH POWER EXCHANGES, MAY 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
PUNJAB	344.74	14.87
WEST BENGAL	244.63	10.55
RAJASTHAN	233.80	10.08
MAHARASHTRA	176.05	7.59
ANDHRA PRADESH	175.79	7.58
HARYANA	162.62	7.01
UTTAR PRADESH	142.56	6.15
TELANGANA	132.45	5.71
GUJARAT	113.36	4.89
ODISHA	100.83	4.35
TAMIL NADU	100.51	4.33
DELHI	61.90	2.67
HIMACHAL PRADESH	57.55	2.48
MP	55.86	2.41
ASSAM	40.06	1.73
BIHAR	31.41	1.35
BALCO	24.74	1.07
DVC	18.91	0.82
KARNATAKA	17.33	0.75
AMPS Hazira	14.89	0.64
KERALA	11.25	0.49
RAIL	10.27	0.44
CHHATTISGARH	9.08	0.39
UTTARAKHAND	8.83	0.38
JHARKHAND	8.07	0.35
DADRA & NAGAR HAVELI	5.11	0.22
DAMAN AND DIU	3.01	0.13
MANIPUR	2.57	0.11
MEGHALAYA	2.23	0.10
GOA	2.17	0.09
SIKKIM	1.45	0.06
TRIPURA	1.38	0.06
J & K	1.07	0.05
ARUNACHAL PRADESH	0.81	0.04
CHANDIGARH	0.55	0.02
MARUTI COAL	0.48	0.02
RPREL	0.34	0.01
ACBIL	0.05	0.002
TOTAL	2318.72	100.00
Volume purchased by top 5 Regional Entities	1175.01	50.67

Table-21: VOLUME OF ELECTRICITY UNDER DRAWAL (EXPORTED) THROUGH DSM, MAY 2022		
Name of the Entity	Volume of Under drawal (MUs)	% of Volume
GUJARAT	354.87	12.57
HARYANA	141.45	5.01
KARNATAKA	140.89	4.99
TAMIL NADU	116.69	4.13
NHPC STATIONS	108.27	3.83
UTTAR PRADESH	94.42	3.34
RAJASTHAN	92.66	3.28
MP	82.39	2.92
NTPC STATIONS-WR	74.40	2.64
JHARKHAND	70.83	2.51
PUNJAB	70.34	2.49
ANDHRA PRADESH	69.16	2.45
J & K	64.96	2.30
SIKKIM	59.07	2.09
TELANGANA	58.23	2.06
CHHATTISGARH	52.97	1.88
MAHARASHTRA	52.63	1.86
WEST BENGAL	48.48	1.72
NTPC STATIONS-NR	46.36	1.64
SASAN UMPP	46.27	1.64
CHUKHA HEP	45.46	1.61
DELHI	45.37	1.61
BIHAR	41.12	1.46
NTPC STATIONS-ER	38.45	1.36
ODISHA	34.30	1.21
AHEJ4L_SOLAR	27.38	0.97
NTPC STATIONS-SR	24.23	0.86
UTTARAKHAND	24.14	0.85
AMPS Hazira	22.39	0.79
NJPC	19.88	0.70
NEPAL(NVVN)	19.31	0.68
NLC	18.86	0.67
KERALA	18.18	0.64
TALA HEP	17.69	0.63
ASSAM	17.26	0.61
HIMACHAL PRADESH	16.16	0.57
AZURE43_SLR	15.97	0.57
BBMB	13.63	0.48
AGEMPL BHUJ	13.31	0.47
KARCHAM WANGTOO	11.31	0.40
PONDICHERRY	11.05	0.39
NEEPCO STATIONS	10.52	0.37
TRIPURA	10.47	0.37
RAMPUR HEP	10.44	0.37
MANGDECHU HEP	10.07	0.36
GIWEL_TCN	9.26	0.33
RENEW_BHACHAU	8.95	0.32
GIWEL_BHUJ	8.84	0.31
BETAM_TCN	8.60	0.30
ORANGE_TCN	8.12	0.29
RENEW_BHUJ	8.10	0.29
ARUNACHAL PRADESH	7.91	0.28
ALFANAR_BHUJ	7.67	0.27
CHANDIGARH	7.15	0.25
MYTRAH_TCN	7.02	0.25
ADANIHB_SLR	6.98	0.25
AHEJ3L_SOLAR	6.89	0.24
GOA	6.55	0.23
KURICHU HEP	6.52	0.23
MIZORAM	6.45	0.23
DVC	6.27	0.22
TEESTA HEP	6.22	0.22
MAHINDRA_RUMS	6.08	0.22
IGSTPS	6.04	0.21
MTPS II	6.00	0.21
MAITHON POWER LTD	5.96	0.21
TEESTA STG3	5.95	0.21
ARINSUM_RUMS	5.94	0.21
CLEAN_SLR	5.84	0.21
AVAADASN_SLR	5.82	0.21

OSTRO	5.80	0.21
RKM POWER	5.77	0.20
ACME_RUMS	5.53	0.20
MEGHALAYA	5.47	0.19
DAMAN AND DIU	5.40	0.19
INOX_BHUJ	5.28	0.19
NPGC	5.05	0.18
JINDAL STAGE-II	4.88	0.17
DADRA & NAGAR HAVELI	4.82	0.17
LANKO_AMK	4.76	0.17
AZURE_SLR	4.48	0.16
ACME_SLR	4.46	0.16
MB POWER	4.44	0.16
AVIKIRAN	4.43	0.16
KOTESHWAR	4.38	0.16
BRBCL,NABINAGAR	4.24	0.15
JAYPEE NIGRIE	4.14	0.15
AVADARJHN_SLR	4.09	0.14
MANIPUR	4.08	0.14
BALCO	3.98	0.14
DB POWER	3.95	0.14
SBG_NPK	3.80	0.13
AHEJ2L_SOLAR	3.65	0.13
NTPC_ANTP	3.41	0.12
RENEWSW_SLR	3.24	0.11
NTPC STATIONS-NER	3.19	0.11
BARC	3.19	0.11
SPRING_PUGALUR	3.15	0.11
RAP B	3.05	0.11
GMR KAMALANGA	3.02	0.11
EDEN_SLR	3.02	0.11
ACBIL	2.94	0.10
AYANA_RP1	2.82	0.10
RENEWSB	2.80	0.10
AZURE41_SLR	2.78	0.10
NAGALAND	2.77	0.10
RENEWJH_SLR	2.75	0.10
ARERJL_SLR	2.72	0.10
CLEANSW_SLR	2.59	0.09
ESPL_RADHANESDA	2.58	0.09
KSK MAHANADI	2.57	0.09
ADHUNIK POWER LTD	2.55	0.09
JITPL	2.50	0.09
MRPL	2.46	0.09
RENEWURJA_SLR	2.40	0.09
EMCO	2.38	0.08
TEHRI	2.36	0.08
SBG_PVGD	2.34	0.08
RONGNICHU HEP	2.33	0.08
RPREL	2.30	0.08
RGPPL	2.29	0.08
CHUZACHEN HEP	2.25	0.08
NETCL VALLUR	2.20	0.08
CGPL	2.13	0.08
AD HYDRO	2.01	0.07
TATA_ANTP	2.00	0.07
OSTRO Hiriyur	1.95	0.07
RANGANADI HEP	1.89	0.07
ESSAR POWER	1.84	0.07
JHABUA POWER_MP	1.75	0.06
TPREL_RADHANESDA	1.72	0.06
ADY1_PVGD	1.67	0.06
ADY2_PVGD	1.67	0.06
ADY13_PVGD	1.67	0.06
ADY10_PVGD	1.67	0.06
SBSR_SLR	1.66	0.06
GIPCL_RADHANESDA	1.64	0.06
TATA_PVGD	1.61	0.06
ADY3_PVGD	1.59	0.06
ADY6_PVGD	1.59	0.06
RAP C	1.55	0.05
RANGIT HEP	1.52	0.05

NSPCL	1.46	0.05
NEP	1.43	0.05
AYANA_NPKUNTA	1.42	0.05
JINDAL POWER	1.41	0.05
RENEW_SLR_BKN	1.39	0.05
SB_SLR	1.37	0.05
FORTUM2_PVGD	1.37	0.05
AZURE_MAPLE_SLR	1.32	0.05
SPRNG_NPKUNTA	1.25	0.04
AZURE34_SLR	1.22	0.04
RENEW_SR_SLR	1.20	0.04
THERMAL POWERTECH	1.19	0.04
NAPP	1.13	0.04
AKSP_ANTP	1.11	0.04
FRV_ANTP	1.10	0.04
ONGC PALATANA	1.09	0.04
ABSP_ANTP	1.09	0.04
AHSP_ANTP	1.08	0.04
DIKCHU HEP	1.07	0.04
FORTUM1_PVGD	1.06	0.04
FRV_NPK	1.03	0.04
SB6_POKARAN	1.02	0.04
ACME_HEERGARH	1.01	0.04
SORANG HEP	0.98	0.03
AZURE_ANTP	0.97	0.03
TRN ENERGY	0.92	0.03
SAINJ HEP	0.80	0.03
PARAM_PVGD	0.78	0.03
LANCO BUDHIL	0.78	0.03
PARE HEP	0.68	0.02
AZURE_PVGD	0.67	0.02
THAR1_SLR	0.66	0.02
REGL	0.61	0.02
AVAADA2_PVGD	0.59	0.02
RAIL	0.55	0.02
AVAADA1_PVGD	0.55	0.02
BANGLADESH	0.53	0.02
NTPL	0.46	0.02
COASTGEN	0.44	0.02
LOKTAK	0.41	0.01
SINGOLI BHATWARI HEP	0.40	0.01
GSECL_Radhnesda	0.40	0.01
RENEW_SLR	0.40	0.01
SHREE CEMENT	0.35	0.01
TATA_SLR	0.33	0.01
DOYANG HEP	0.33	0.01
JORETHANG	0.31	0.01
DHARIWAL POWER	0.29	0.01
ARS_PVGD	0.28	0.01
YARROW_PVGD	0.26	0.01
GRT_JPL	0.26	0.01
AKS_PVGD	0.25	0.01
RSTPS_FSPP	0.25	0.01
RENEW_PVGD	0.24	0.01
NFF	0.22	0.01
SEMBCORP	0.21	0.01
ASEJTL_SLR	0.21	0.01
KREDL_PVGD	0.20	0.01
TASHIDENG HEP	0.18	0.01
IL&FS	0.12	0.004
VINDHYACHAL HVDC	0.10	0.004
DAGACHU	0.10	0.003
HVDC RAIGARH	0.10	0.003
HVDC CHAMPA	0.05	0.002
HVDC ALPD	0.05	0.002
DCPP	0.04	0.001
HVDC PUS	0.005	0.0002
BHADRAVATHI HVDC	0.0017	0.0001
Total	2823.53	100.00
Volume Exported by top 5 Regional Entities	862.17	30.54

Table-22: VOLUME OF ELECTRICITY OVER DRAWAL (IMPORTED) THROUGH DSM, MAY 2022		
Name of the Entity	Volume of Over drawal (MUs)	% of Volume
NTPC STATIONS-WR	253.62	10.65
NTPC STATIONS-NR	130.68	5.49
UTTAR PRADESH	119.14	5.00
RAJASTHAN	112.32	4.72
MP	106.99	4.49
MAHARASHTRA	93.83	3.94
ANDHRA PRADESH	79.72	3.35
NTPC STATIONS-ER	64.77	2.72
TAMIL NADU	62.35	2.62
TELANGANA	56.80	2.38
TALA HEP	54.28	2.28
NTPC STATIONS-SR	46.95	1.97
WEST BENGAL	40.00	1.68
UTTARAKHAND	36.56	1.53
PUNJAB	35.26	1.48
SEMBCORP	34.33	1.44
J & K	28.85	1.21
NLC	28.56	1.20
HIMACHAL PRADESH	28.52	1.20
SIKKIM	27.77	1.17
JHARKHAND	26.94	1.13
KARNATAKA	26.84	1.13
DELHI	26.46	1.11
KERALA	25.54	1.07
IGSTPS	25.52	1.07
THERMAL POWERTECH	25.18	1.06
HARYANA	24.68	1.04
AMPS Hazira	22.68	0.95
CGPL	19.38	0.81
MANGDECHU HEP	19.32	0.81
BIHAR	18.77	0.79
ODISHA	18.43	0.77
NETCL VALLUR	18.13	0.76
RPREL	17.57	0.74
RAIL	16.58	0.70
NHPC STATIONS	16.09	0.68
CHHATTISGARH	15.75	0.66
ASSAM	15.31	0.64
GIWEL_BHUJ	14.63	0.61
NEP	13.54	0.57
AGEMPL BHUJ	13.22	0.56
DAGACHU	12.51	0.53
ESSAR POWER	11.92	0.50
IL&FS	11.62	0.49
AHEJ4L_SOLAR	11.46	0.48
OSTRO	11.38	0.48
GOA	10.61	0.45
RGPPL	10.11	0.42
ORANGE_TCN	9.88	0.41
JHABUA POWER_MP	9.31	0.39
GIWEL_TCN	9.13	0.38
NTPL	8.88	0.37
BANGLADESH	8.80	0.37
BRBCL,NABINAGAR	8.59	0.36
GUJARAT	8.55	0.36
NEPAL(NVVN)	8.28	0.35
AVADARJHN_SLR	8.11	0.34
NPGC	7.73	0.32
MYTRAH_TCN	7.37	0.31
NTPC STATIONS-NER	7.36	0.31
KARCHAM WANGTOO	7.25	0.30
AHEJ2L_SOLAR	7.13	0.30
MB POWER	7.08	0.30
TEESTA STG3	7.08	0.30
BETAM_TCN	7.05	0.30
INOX_BHUJ	7.05	0.30
REGL	6.92	0.29
BALCO	6.87	0.29
NSPCL	6.86	0.29
KAPP 3&4	6.76	0.28
COASTGEN	6.75	0.28
CHANDIGARH	6.52	0.27

RENEW_BHUJ	6.45	0.27
RENEW_BHACHAU	6.45	0.27
ALFANAR_BHUJ	6.41	0.27
RKM POWER	6.29	0.26
DADRA & NAGAR HAVELI	5.66	0.24
AHEJ3L_SOLAR	5.50	0.23
JINDAL POWER	5.28	0.22
NJPC	5.08	0.21
CHUKHA HEP	5.05	0.21
TATA_SLR	5.04	0.21
RAP C	5.00	0.21
NAPP	4.52	0.19
SBG_NPK	4.50	0.19
AD HYDRO	4.50	0.19
BBMB	4.36	0.18
SB6_POKARAN	4.28	0.18
ARUNACHAL PRADESH	4.09	0.17
RENEWURJA_SLR	3.93	0.16
JORETHANG	3.87	0.16
SBG_PVGD	3.64	0.15
TEHRI	3.58	0.15
DAMAN AND DIU	3.55	0.15
TASHIDENG HEP	3.55	0.15
AVIKIRAN	3.52	0.15
AYANA_RP1	3.48	0.15
MEGHALAYA	3.43	0.14
PONDICHERRY	3.43	0.14
NTPC_ANTP	3.35	0.14
RENEW_SR_SLR	3.31	0.14
TRIPURA	3.03	0.13
DVC	2.95	0.12
SPRING_PUGALUR	2.85	0.12
DB POWER	2.85	0.12
RENEWSB	2.65	0.11
MAITHON POWER LTD	2.58	0.11
SHREE CEMENT	2.53	0.11
DIKCHU HEP	2.44	0.10
ACME_HEERGARH	2.41	0.10
AVAADASN_SLR	2.40	0.10
KURICHU HEP	2.36	0.10
RENEW_SLR_BKN	2.35	0.10
ACBIL	2.23	0.09
JITPL	2.21	0.09
JINDAL STAGE-II	2.16	0.09
ARINSUM_RUMS	2.15	0.09
SORANG HEP	2.07	0.09
MAHINDRA_RUMS	2.07	0.09
MANIPUR	2.07	0.09
ADANIHB_SLR	1.97	0.08
ACME_RUMS	1.95	0.08
SB_SLR	1.75	0.07
SBSR_SLR	1.74	0.07
NEEPCO STATIONS	1.73	0.07
MTPS II	1.72	0.07
AZURE41_SLR	1.70	0.07
GMR KAMALANGA	1.61	0.07
EMCO	1.59	0.07
RENEWSW_SLR	1.57	0.07
SKS POWER	1.57	0.07
OSTRO Hiriyur	1.50	0.06
FORTUM1_PVGD	1.49	0.06
CLEAN_SLR	1.47	0.06
RENEWJH_SLR	1.47	0.06
AZURE43_SLR	1.44	0.06
LANKO_AMK	1.44	0.06
DGEN MEGA POWER	1.44	0.06
SAINJ HEP	1.37	0.06
DHARIWAL POWER	1.34	0.06
TATA_ANTP	1.32	0.06
CHUZACHEN HEP	1.29	0.05
ADHUNIK POWER LTD	1.29	0.05
EDEN_SLR	1.28	0.05
TATA_PVGD	1.28	0.05
RAP B	1.28	0.05
RANGANADI HEP	1.28	0.05

SASAN UMPP	1.18	0.05
MRPL	1.13	0.05
THAR1_SLR	1.09	0.05
AZURE34_SLR	1.03	0.04
ASEJTL_SLR	0.92	0.04
CLEANSR_SLR	0.90	0.04
ARERJL_SLR	0.89	0.04
ADY3_PVGD	0.88	0.04
ADY6_PVGD	0.88	0.04
ADY1_PVGD	0.88	0.04
ADY2_PVGD	0.88	0.04
ADY13_PVGD	0.88	0.04
ADY10_PVGD	0.88	0.04
RAMPUR HEP	0.86	0.04
RONGNICHU HEP	0.86	0.04
ABSP_ANTP	0.81	0.03
JAYPEE NIGRIE	0.80	0.03
AYANA_NPKUNTA	0.80	0.03
AZURE_SLR	0.79	0.03
AHSP_ANTP	0.78	0.03
LANCO BUDHIL	0.77	0.03
SPRNG_NPKUNTA	0.74	0.03
AKSP_ANTP	0.74	0.03
ONGC PALATANA	0.74	0.03
ESPL_RADHANESDA	0.71	0.03
SINGOLI BHATWARI HEP	0.70	0.03
AZURE_MAPLE_SLR	0.69	0.03
NAGALAND	0.68	0.03
TPREL_RADHANESDA	0.67	0.03
FRV_NPK	0.67	0.03
FRV_ANTP	0.63	0.03
KOTESHWAR	0.60	0.03
ACME_SLR	0.56	0.02
FORTUM2_PVGD	0.55	0.02
LANKO KONDAPALLI	0.53	0.02
MEENAKSHI	0.52	0.02
AZURE_ANTP	0.51	0.02
RSTPS_FSPP	0.50	0.02
KSK MAHANADI	0.49	0.02
GIPCL_RADHANESDA	0.47	0.02
NFF	0.41	0.02
TRN ENERGY	0.41	0.02
SIMHAPURI	0.40	0.02
PARAM_PVGD	0.39	0.02
AVAADA1_PVGD	0.38	0.02
RANGIT HEP	0.36	0.02
RENEW_SLR	0.35	0.01
AVAADA2_PVGD	0.33	0.01
TEESTA HEP	0.32	0.01
LOKTAK	0.31	0.01
MIZORAM	0.25	0.01
HVDC PUS	0.24	0.01
AZURE_PVGD	0.24	0.01
GRT_JPL	0.23	0.01
DOYANG HEP	0.23	0.01
RENEW_PVGD	0.23	0.01
BHADRAVATHI HVDC	0.20	0.01
KREDL_PVGD	0.16	0.01
AKS_PVGD	0.16	0.01
YARROW_PVGD	0.16	0.01
ARS_PVGD	0.14	0.01
HVDC RAIGARH	0.11	0.005
HVDC CHAMPA	0.10	0.004
PARE HEP	0.06	0.002
HVDC ALPD	0.05	0.002
GSECL_Radhanesda	0.03	0.001
DCPP	0.002	0.0001
VINDHYACHAL HVDC	0.001	0.00004
TOTAL	2381.98	100.00
Volume Imported by top 5 Regional Entities	722.75	30.34

Table-23: TOTAL VOLUME OF NET SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY-WISE), MAY 2022		
S. No.	Name of the Entity	Total volume of net short-term transactions of electricity*
1	GUJARAT	1278.87
2	TAMIL NADU	1114.57
3	PUNJAB	1032.31
4	MAHARASHTRA	942.43
5	UTTAR PRADESH	893.86
6	HARYANA	817.03
7	ODISHA	638.70
8	DELHI	544.23
9	WEST BENGAL	422.39
10	ANDHRA PRADESH	377.37
11	AMPS Hazira	314.98
12	UTTARAKHAND	295.58
13	RAJASTHAN	268.15
14	BALCO	258.14
15	JHARKHAND	215.96
16	NTPC STATIONS-WR	177.39
17	BANGLADESH	157.07
18	CHHATTISGARH	137.80
19	DADRA & NAGAR HAVELI	123.85
20	KERALA	93.00
21	GOA	75.11
22	NTPC STATIONS-NR	73.80
23	NEPAL(NVVN)	71.33
24	RAIL	56.91
25	TALA HEP	36.59
26	NEP	33.58
27	NTPC STATIONS-ER	24.69
28	THERMAL POWERTECH	23.98
29	IGSTPS	19.48
30	NETCL VALLUR	15.94
31	NTPC STATIONS-SR	14.70
32	CGPL	14.55
33	DAMAN AND DIU	11.35
34	MANGDECHU HEP	9.25
35	NTPL	8.42
36	KAPP 3&4	6.76
37	GIWEL_BHUJ	5.79
38	NSPCL	5.40
39	BRBCL,NABINAGAR	4.36
40	AVADARJHN_SLR	4.02
41	RAP C	3.45
42	NAPP	3.39
43	SB6_POKARAN	3.27
44	NTPC STATIONS-NER	3.12
45	NPGC	2.67
46	INOX_BHUJ	1.77
47	ORANGE_TCN	1.76
48	SKS POWER	1.57
49	DGEN MEGA POWER	1.44
50	SBG_PVGD	1.30
51	TEHRI	1.21
52	SBG_NPK	0.71
53	LANKO KONDAPALLI	0.53
54	MEENAKSHI	0.52
55	FORTUMI_PVGD	0.43
56	SIMHAPURI	0.40
57	SB_SLR	0.37
58	MYTRAH_TCN	0.35
59	RSTPS_FSPP	0.25
60	HVDC PUS	0.23
61	BHADRAVATHI HVDC	0.20
62	NFF	0.19

63	SBSR_SLR	0.08
64	HVDC CHAMPA	0.05
65	HVDC RAIGARH	0.02
66	HVDC ALPD	0.002
67	RENEW_PVGD	-0.02
68	RGPPL_Others	-0.02
69	GRT_JPL	-0.03
70	KREDL_PVGD	-0.03
71	DCPP	-0.03
72	NTPC_ANTP	-0.06
73	AGEMPL BHUJ	-0.08
74	DHARIWAL POWER	-0.09
75	AKS_PVGD	-0.09
76	VINDHYACHAL HVDC	-0.10
77	LOKTAK	-0.10
78	DOYANG HEP	-0.10
79	YARROW_PVGD	-0.10
80	GIWEL_TCN	-0.12
81	ARS_PVGD	-0.14
82	RENEWSB	-0.16
83	AVAADA1_PVGD	-0.17
84	AZURE34_SLR	-0.19
85	AVAADA2_PVGD	-0.27
86	ABSP_ANTP	-0.28
87	SPRING_PUGALUR	-0.30
88	AHSP_ANTP	-0.30
89	TATA_PVGD	-0.33
90	FRV_NPK	-0.36
91	GSECL_Radhansda	-0.36
92	AKSP_ANTP	-0.37
93	PARAM_PVGD	-0.39
94	AZURE_PVGD	-0.43
95	OSTRO Hiriyur	-0.45
96	AZURE_ANTP	-0.46
97	FRV_ANTP	-0.48
98	SPRNG_NPKUNTA	-0.51
99	TRN ENERGY	-0.52
100	RANGANADI HEP	-0.61
101	PARE HEP	-0.62
102	AYANA_NPKUNTA	-0.62
103	AZURE_MAPLE_SLR	-0.63
104	TATA_ANTP	-0.68
105	ADY3_PVGD	-0.71
106	ADY6_PVGD	-0.71
107	ADY1_PVGD	-0.79
108	ADY2_PVGD	-0.79
109	ADY13_PVGD	-0.79
110	ADY10_PVGD	-0.79
111	FORTUM2_PVGD	-0.82
112	AVIKIRAN	-0.91
113	TPREL_RADHANESDA	-1.05
114	AZURE41_SLR	-1.09
115	RANGIT HEP	-1.16
116	GIPCL_RADHANESDA	-1.17
117	ALFANAR_BHUJ	-1.26
118	RENEWJH_SLR	-1.29
119	MRPL	-1.33
120	RONGNICHU HEP	-1.48
121	BETAM_TCN	-1.55
122	PONDICHERRY	-1.60
123	RENEW_BHUJ	-1.65
124	EDEN_SLR	-1.73
125	RAP B	-1.77
126	ARERJL_SLR	-1.83
127	ASEJTL_SLR	-1.86
128	ESPL_RADHANESDA	-1.87

129	RENEW_BHACHAU	-2.51
130	BARC	-3.19
131	LANCO BUDHIL	-3.26
132	AVAADASN_SLR	-3.42
133	ACME_RUMS	-3.57
134	MAITHON POWER LTD	-3.68
135	AZURE_SLR	-3.70
136	KOTESHWAR	-3.78
137	ARINSUM_RUMS	-3.79
138	ACME_SLR	-3.90
139	MAHINDRA_RUMS	-4.01
140	KURICHU HEP	-4.16
141	AYANA_RP1	-4.24
142	MTPS II	-4.29
143	MSUPL_BHDL2	-4.35
144	CLEAN_SLR	-4.37
145	CONTINNUM PT	-6.32
146	AHEJOL_W_FTG2	-6.48
147	RENEW_SLR	-6.80
148	CHUZACHEN HEP	-6.96
149	LANKO_AMK	-8.52
150	RENEW_SR_SLR	-8.96
151	BBMB	-9.27
152	RAMPUR HEP	-9.58
153	AHEJOL_S_FTG2	-10.33
154	ADANI GREEN	-10.45
155	MIZORAM	-11.16
156	THARI_SLR	-11.86
157	OSTRO	-13.81
158	AZURE43_SLR	-14.53
159	NJPC	-14.81
160	RENEWSW_SLR	-15.05
161	CHANDIGARH	-16.60
162	AHEJ3L_WIND	-17.22
163	DAGACHU	-17.43
164	ONGC PALATANA	-20.21
165	TASHIDENG HEP	-20.66
166	ABC_BHDL2	-20.82
167	AHEJ2L_WIND	-20.89
168	ADANI_WIND	-21.09
169	NAGALAND	-22.01
170	RENEWURJA_SLR	-22.46
171	ADANIHB_SLR	-22.98
172	RENEW_SLR_BKN	-25.14
173	JORETHANG	-27.93
174	MARUTI COAL	-28.87
175	EMCO	-28.92
176	ADANI_SLR	-29.30
177	MANIPUR	-29.96
178	SAINJ HEP	-31.43
179	TRIPURA	-32.65
180	TATA_SLR	-33.00
181	ACME_HEERGARH	-33.17
182	ASSAM	-33.22
183	SIKKIM	-33.34
184	SORANG HEP	-33.51
185	SINGOLI BHATWARI HEP	-34.89
186	ARUNACHAL PRADESH	-39.86
187	CHUKHA HEP	-40.41
188	TELANGANA	-42.67
189	MEGHALAYA	-43.95
190	GMR KAMALANGA	-47.35
191	AD HYDRO	-48.19
192	CLEANSR_SLR	-48.60
193	RGPPL	-51.16
194	SASAN UMPP	-57.47

195	KARCHAM WANGTOO	-58.27
196	NLC	-62.11
197	COASTGEN	-62.69
198	DIKCHU HEP	-62.83
199	JHABUA POWER_MP	-63.54
200	AHEJ2L_SOLAR	-65.11
201	SHREE CEMENT	-68.86
202	ACBIL	-86.74
203	AHEJ3L_SOLAR	-88.16
204	AHEJ4L_WIND	-88.41
205	NHPC STATIONS	-92.17
206	TEESTA STG3	-129.50
207	NEEPCO STATIONS	-131.07
208	DVC	-131.77
209	IL&FS	-159.55
210	KSK MAHANADI	-159.97
211	JINDAL POWER	-168.76
212	MB POWER	-171.54
213	AHEJ4L_SOLAR	-173.06
214	BIHAR	-229.64
215	J & K	-251.26
216	TEESTA HEP	-264.12
217	ADHUNIK POWER LTD	-284.07
218	REGL	-296.87
219	RKM POWER	-351.02
220	DB POWER	-371.78
221	HIMACHAL PRADESH	-437.04
222	JINDAL STAGE-II	-439.26
223	ESSAR POWER	-475.72
224	MP	-486.60
225	JAYPEE NIGRIE	-516.95
226	JITPL	-562.93
227	RPREL	-564.04
228	SEMBCORP	-608.47
229	KARNATAKA	-1584.53
* 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-24: DETAILS OF CONGESTION IN POWER EXCHANGES, MAY 2022							
	Details of Congestion	Day Ahead Market		Green Day Ahead Market		Real Time Market	
		IEX	PXIL	IEX	PXIL	IEX	PXIL
A	Unconstrained Cleared Volume (MUs)	3172.50	13.02	493.17	0.00	2320.04	0.00
B	Actual Cleared Volume and hence scheduled (MUs)	3172.50	13.02	493.17	0.00	2318.72	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	1.32	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
E	Volume of electricity that could not be cleared as % to Unconstrained Cleared Volume	0.00%	0.00%	0.00%	0.00%	0.06%	0.00%
F	Percentage of the time congestion occurred during the month (Number of hours congestion occurred/Total number of hours in the month)	0.00%	0.00%	0.00%	0.00%	0.10%	0.00%
G	Congestion occurrence (%) time block wise						
	0.00 - 6.00 hours	0.00%	0.00%	0.00%	0.00%	66.67%	0.00%
	6.00 - 12.00 hours	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%
	18.00 - 24.00 hours	0.00%	0.00%	0.00%	0.00%	33.33%	0.00%
* This power would have been scheduled had there been no congestion							
Source: IEX, PXIL & NLDC							

**Table-25: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY IN INDIA (DAY-WISE)
(MUs), MAY 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	IEX	PXIL	IEX	PXIL		
1-May-22	266.64	59.75	73.42	0.00	3.96	0.00	82.90	0.00	97.09	3985.78
2-May-22	247.17	59.79	73.15	0.00	5.42	0.00	87.44	0.00	84.00	4139.77
3-May-22	248.70	60.04	96.56	0.00	3.69	0.00	94.03	0.00	83.63	4151.29
4-May-22	261.19	60.80	97.36	0.00	8.98	0.00	89.54	0.00	86.44	4168.83
5-May-22	270.28	57.79	93.33	0.80	10.59	0.00	77.06	0.00	77.71	4121.74
6-May-22	267.85	61.83	91.35	0.25	18.28	0.00	70.45	0.00	70.29	4219.16
7-May-22	262.25	64.04	100.98	0.00	11.97	0.00	52.70	0.00	69.65	4231.30
8-May-22	266.66	64.39	75.15	0.00	15.84	0.00	42.02	0.00	74.80	4093.37
9-May-22	234.20	64.42	94.08	0.00	12.66	0.00	56.91	0.00	77.10	4155.68
10-May-22	226.85	69.15	98.27	0.50	27.92	0.00	76.44	0.00	80.51	4127.97
11-May-22	220.77	58.44	106.85	0.00	36.52	0.00	88.16	0.00	83.78	4146.79
12-May-22	223.65	58.46	114.91	0.00	45.75	0.00	79.93	0.00	86.65	4134.17
13-May-22	224.52	57.21	124.01	0.00	38.72	0.00	68.56	0.00	84.62	4122.72
14-May-22	230.43	57.08	111.96	0.00	36.70	0.00	76.82	0.00	82.33	4135.03
15-May-22	229.14	59.49	95.36	0.00	27.31	0.00	60.07	0.00	86.32	3994.28
16-May-22	189.99	60.54	93.71	0.00	15.59	0.00	76.20	0.00	89.83	4167.52
17-May-22	179.19	56.19	105.00	0.00	11.31	0.00	73.20	0.00	84.31	4263.93
18-May-22	177.81	55.37	109.09	0.00	12.55	0.00	78.48	0.00	83.17	4342.67
19-May-22	177.16	54.46	137.09	0.00	9.64	0.00	104.40	0.00	86.52	4258.59
20-May-22	197.20	52.39	128.32	0.00	18.98	0.00	74.91	0.00	89.53	4086.66
21-May-22	190.27	53.12	120.73	0.00	23.25	0.00	58.76	0.00	98.28	3725.36
22-May-22	172.09	54.66	70.12	0.00	13.06	0.00	68.30	0.00	95.40	3438.70
23-May-22	169.01	57.87	79.18	0.00	14.78	0.00	76.47	0.00	121.78	3396.01
24-May-22	161.80	50.45	87.93	0.00	10.39	0.00	96.63	0.00	76.94	3643.34
25-May-22	163.99	55.62	111.50	0.00	9.09	0.00	84.31	0.00	77.25	3970.34
26-May-22	158.57	55.26	140.29	0.00	8.47	0.00	71.85	0.00	81.51	3949.39
27-May-22	144.89	58.60	125.05	0.00	3.57	0.00	68.54	0.00	81.38	3868.51
28-May-22	156.63	61.90	98.66	0.00	7.90	0.00	73.53	0.00	79.86	3903.16
29-May-22	161.63	60.26	97.13	0.00	14.24	0.00	62.45	0.00	74.58	3815.91
30-May-22	166.37	60.69	114.92	6.13	9.69	0.00	72.58	0.00	76.94	4091.67
31-May-22	169.98	60.08	107.05	5.34	6.36	0.00	75.06	0.00	80.58	4195.06
Total	6416.88	1820.14	3172.50	13.02	493.17	0.00	2318.72	0.00	2602.76	125044.70

Source: NLDC

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

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

Scheduled volume of all the bid areas.

Table-26(a): PRICE OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh), MAY 2022												
Market Segment	Day ahead market of IEX			Day ahead market of PXIL			Green Day ahead market of IEX			Green Day ahead market of PXIL		
Date	Mini-mum ACP	Maxi-mum ACP	Weighted Average Price*	Mini-mum ACP	Maxi-mum ACP	Weighted Average Price*	Mini-mum ACP	Maxi-mum ACP	Weighted Average Price*	Mini-mum ACP	Maxi-mum ACP	Weighted Average Price*
1-May-22	11.00	12.00	11.96	-	-	-	12.00	12.00	12.00	-	-	-
2-May-22	12.00	12.00	12.00	-	-	-	12.00	12.00	12.00	-	-	-
3-May-22	10.34	12.00	11.64	-	-	-	12.00	12.00	12.00	-	-	-
4-May-22	7.00	12.00	11.45	-	-	-	12.00	12.00	12.00	-	-	-
5-May-22	6.08	12.00	10.99	12.00	12.00	12.00	12.00	12.00	12.00	-	-	-
6-May-22	4.04	12.00	10.12	12.00	12.00	12.00	11.99	12.00	12.00	-	-	-
7-May-22	4.00	12.00	9.38	-	-	-	5.00	12.00	9.58	-	-	-
8-May-22	2.85	12.00	7.24	-	-	-	3.50	12.00	7.11	-	-	-
9-May-22	3.00	12.00	8.28	-	-	-	3.59	12.00	7.12	-	-	-
10-May-22	3.00	8.50	5.45	3.75	3.75	3.75	3.60	12.00	5.15	-	-	-
11-May-22	2.87	9.39	5.95	-	-	-	3.50	8.00	4.61	-	-	-
12-May-22	2.70	8.40	5.99	-	-	-	3.50	6.00	4.18	-	-	-
13-May-22	1.50	9.00	5.04	-	-	-	3.95	12.00	6.65	-	-	-
14-May-22	1.20	8.00	4.53	-	-	-	3.60	12.00	5.86	-	-	-
15-May-22	1.20	7.00	3.50	-	-	-	3.00	6.50	4.20	-	-	-
16-May-22	2.80	7.00	4.87	-	-	-	3.74	12.00	4.52	-	-	-
17-May-22	2.74	8.00	5.31	-	-	-	3.95	9.00	4.71	-	-	-
18-May-22	3.33	9.02	6.02	-	-	-	4.27	7.00	5.18	-	-	-
19-May-22	3.47	12.00	6.68	-	-	-	4.49	12.00	6.68	-	-	-
20-May-22	3.50	12.00	7.07	-	-	-	4.00	12.00	4.76	-	-	-
21-May-22	3.00	12.00	7.02	-	-	-	4.00	12.00	5.26	-	-	-
22-May-22	1.00	5.00	2.87	-	-	-	3.30	12.00	3.98	-	-	-
23-May-22	2.00	6.49	3.54	-	-	-	3.00	12.00	3.76	-	-	-
24-May-22	2.00	6.00	3.75	-	-	-	3.00	5.50	3.63	-	-	-
25-May-22	3.07	7.00	5.09	-	-	-	3.50	5.50	3.94	-	-	-
26-May-22	3.55	10.34	6.68	-	-	-	4.00	6.00	4.50	-	-	-
27-May-22	3.30	12.00	7.27	-	-	-	6.50	12.00	7.36	-	-	-
28-May-22	2.35	12.00	5.88	-	-	-	4.27	12.00	5.96	-	-	-
29-May-22	1.80	8.00	4.71	-	-	-	3.50	12.00	3.97	-	-	-
30-May-22	2.87	12.00	6.85	3.36	3.36	3.36	3.99	12.00	5.26	-	-	-
31-May-22	2.78	12.00	6.30	4.92	5.50	5.06	4.00	10.00	4.75	-	-	-
	1.00#	12.00#	6.81	3.36#	12.00#	4.77	3.00#	12.00#	5.91	-	-	-

Source: IEX and PXIL

Note: GDAM was introduced at IEX on 27.10.2021 and at PXIL on 20.12.2021

* 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-26(b): PRICE OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh), MAY 2022

Market Segment	Real Time market of IEX			Real Time market of PXIL			Under Drawl/Over Drawl from the Grid (DSM)			
	Date	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*	All India Grid		
							Minimum Price	Maximum Price	Average Price**	
1-May-22	1.00	12.00	7.40	-	-	-	0.00	8.00	4.88	
2-May-22	0.60	12.00	7.17	-	-	-	0.00	8.00	6.00	
3-May-22	1.00	12.00	9.02	-	-	-	0.00	8.00	6.18	
4-May-22	2.00	12.00	9.49	-	-	-	0.00	8.00	5.78	
5-May-22	2.71	12.00	9.01	-	-	-	0.00	8.00	7.12	
6-May-22	1.88	12.00	7.71	-	-	-	0.00	8.00	6.27	
7-May-22	1.00	12.00	6.29	-	-	-	0.00	8.00	5.63	
8-May-22	0.70	12.00	5.06	-	-	-	0.00	8.00	5.25	
9-May-22	1.50	12.00	5.16	-	-	-	0.00	8.00	5.95	
10-May-22	1.67	12.00	5.90	-	-	-	0.00	8.00	5.38	
11-May-22	2.00	10.01	5.23	-	-	-	0.00	8.00	4.91	
12-May-22	1.96	9.50	4.24	-	-	-	0.00	7.34	3.56	
13-May-22	1.80	8.20	4.45	-	-	-	0.00	7.21	3.84	
14-May-22	1.00	7.00	4.03	-	-	-	0.00	8.00	2.92	
15-May-22	0.60	8.00	3.54	-	-	-	0.00	8.00	2.59	
16-May-22	1.00	8.00	4.52	-	-	-	0.00	8.00	3.49	
17-May-22	2.50	12.00	6.26	-	-	-	0.00	8.00	5.11	
18-May-22	3.38	12.00	8.22	-	-	-	0.00	8.00	6.40	
19-May-22	4.00	12.00	8.32	-	-	-	0.00	8.00	6.06	
20-May-22	2.12	10.57	5.55	-	-	-	0.00	7.47	4.90	
21-May-22	1.00	6.00	2.89	-	-	-	0.00	8.00	2.79	
22-May-22	0.48	5.50	2.68	-	-	-	0.00	8.00	2.38	
23-May-22	0.20	6.99	2.82	-	-	-	0.00	8.00	2.18	
24-May-22	1.84	12.00	5.25	-	-	-	0.00	8.00	4.55	
25-May-22	3.50	12.00	7.40	-	-	-	0.00	8.00	5.67	
26-May-22	2.95	12.00	6.16	-	-	-	0.00	8.00	5.16	
27-May-22	2.20	12.00	4.67	-	-	-	0.00	8.00	5.16	
28-May-22	1.87	12.00	5.82	-	-	-	0.00	8.00	4.98	
29-May-22	1.00	12.00	5.43	-	-	-	0.00	8.00	4.42	
30-May-22	2.00	12.00	7.51	-	-	-	0.00	8.00	6.20	
31-May-22	2.36	12.00	7.44	-	-	-	0.00	7.48	5.28	
	0.20#	12.00#	6.10	-	-	-	0.00#	8.00#	4.87	

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-27: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY*-WISE) (MUs), MAY 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	131.04	232.29	101.25	7.01	973.15	966.13	35.26	70.34	-35.08	1032.31
HARYANA	0.00	394.20	394.20	19.17	558.77	539.60	24.68	141.45	-116.78	817.03
RAJASTHAN	160.45	1.80	-158.65	63.66	470.80	407.13	112.32	92.66	19.66	268.15
DELHI	0.00	664.61	664.61	249.12	147.65	-101.47	26.46	45.37	-18.91	544.23
UTTAR PRADESH	28.19	622.84	594.65	154.05	428.55	274.50	119.14	94.42	24.71	893.86
UTTARAKHAND	20.82	298.42	277.60	56.22	61.78	5.56	36.56	24.14	12.42	295.58
HIMACHAL PRADESH	280.09	0.60	-279.49	261.32	91.41	-169.91	28.52	16.16	12.36	-437.04
J & K	123.04	0.00	-123.04	93.54	1.43	-92.11	28.85	64.96	-36.11	-251.26
CHANDIGARH	0.00	0.00	0.00	19.62	3.65	-15.96	6.52	7.15	-0.64	-16.60
MP	485.38	122.12	-363.26	287.24	139.29	-147.95	106.99	82.39	24.61	-486.60
MAHARASHTRA	82.18	778.90	696.71	141.93	346.44	204.52	93.83	52.63	41.20	942.43
GUJARAT	13.76	1148.25	1134.50	27.11	517.81	490.70	8.55	354.87	-346.33	1278.87
CHHATTISGARH	0.86	355.84	354.98	209.42	29.45	-179.97	15.75	52.97	-37.22	137.80
GOA	0.00	75.12	75.12	22.21	18.14	-4.07	10.61	6.55	4.06	75.11
DAMAN AND DIU	0.00	0.40	0.40	0.25	13.04	12.79	3.55	5.40	-1.84	11.35
DADRA & NAGAR HAV	0.00	93.87	93.87	0.84	29.98	29.14	5.66	4.82	0.84	123.85
ANDHRA P	8.18	489.59	481.40	465.16	350.56	-114.60	79.72	69.16	10.56	377.37
KARNATAKA	862.29	2.75	-859.54	662.25	51.31	-610.94	26.84	140.89	-114.04	-1584.53
KERALA	8.40	184.84	176.44	132.89	42.10	-90.80	25.54	18.18	7.37	93.00
TAMIL NADU	0.00	896.82	896.82	88.05	360.15	272.10	62.35	116.69	-54.34	1114.57
PONDICHERRY	0.00	6.02	6.02	0.00	0.00	0.00	3.43	11.05	-7.61	-1.60
TELANGANA	85.47	88.98	3.51	240.91	196.16	-44.75	56.80	58.23	-1.43	-42.67
WEST BENGAL	66.11	204.81	138.71	153.44	445.60	292.16	40.00	48.48	-8.48	422.39
ODISHA	51.30	631.47	580.17	76.68	151.08	74.40	18.43	34.30	-15.87	638.70
BIHAR	0.90	74.70	73.80	356.76	75.67	-281.09	18.77	41.12	-22.35	-229.64
JHARKHAND	3.90	219.28	215.38	38.10	82.57	44.47	26.94	70.83	-43.90	215.96
SIKKIM	0.00	10.75	10.75	14.24	1.45	-12.79	27.77	59.07	-31.29	-33.34
DVC	138.35	0.00	-138.35	20.81	30.71	9.91	2.95	6.27	-3.32	-131.77
ARUNACHAL P	5.30	0.00	-5.30	31.60	0.85	-30.75	4.09	7.91	-3.82	-39.86
ASSAM	0.00	0.23	0.23	165.31	133.81	-31.50	15.31	17.26	-1.96	-33.22
MANIPUR	19.07	0.00	-19.07	13.37	4.49	-8.88	2.07	4.08	-2.02	-29.96
MEGHALAYA	32.97	0.00	-32.97	12.08	3.13	-8.94	3.43	5.47	-2.03	-43.95
MIZORAM	0.00	0.00	0.00	4.96	0.00	-4.96	0.25	6.45	-6.20	-11.16
NAGALAND	3.72	0.00	-3.72	16.21	0.00	-16.21	0.68	2.77	-2.08	-22.01
TRIPURA	0.00	0.00	0.00	34.84	9.62	-25.22	3.03	10.47	-7.43	-32.65
NTPC STATIONS-NR	0.00	0.00	0.00	10.52	0.00	-10.52	130.68	46.36	84.32	73.80
NHPC STATIONS	0.00	0.00	0.00	0.00	0.00	0.00	16.09	108.27	-92.17	-92.17
NFF	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.22	0.19	0.19
RAIL	0.00	0.00	0.00	0.00	40.88	40.88	16.58	0.55	16.03	56.91
NEP	0.00	0.00	0.00	0.00	21.47	21.47	13.54	1.43	12.12	33.58
NAPP	0.00	0.00	0.00	0.00	0.00	0.00	4.52	1.13	3.39	3.39
RAP B	0.00	0.00	0.00	0.00	0.00	0.00	1.28	3.05	-1.77	-1.77
NJPC	0.00	0.00	0.00	0.00	0.00	0.00	5.08	19.88	-14.81	-14.81
TEHRI	0.00	0.00	0.00	0.00	0.00	0.00	3.58	2.36	1.21	1.21
BBMB	0.00	0.00	0.00	0.00	0.00	0.00	4.36	13.63	-9.27	-9.27
RAP C	0.00	0.00	0.00	0.00	0.00	0.00	5.00	1.55	3.45	3.45
AD HYDRO	29.11	0.00	-29.11	21.57	0.00	-21.57	4.50	2.01	2.49	-48.19
IGSTPS	0.00	0.00	0.00	0.00	0.00	0.00	25.52	6.04	19.48	19.48
KOTESHWAR	0.00	0.00	0.00	0.00	0.00	0.00	0.60	4.38	-3.78	-3.78
KARCHAM WANGTOO	16.67	0.00	-16.67	37.54	0.00	-37.54	7.25	11.31	-4.06	-58.27
SHREE CEMENT	70.63	0.00	-70.63	0.41	0.00	-0.41	2.53	0.35	2.18	-68.86
LANCO BUDHIL	0.00	0.00	0.00	3.24	0.00	-3.24	0.77	0.78	-0.01	-3.26
RAMPUR HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.86	10.44	-9.58	-9.58
SORANG HEP	28.44	0.00	-28.44	6.16	0.00	-6.16	2.07	0.98	1.09	-33.51
SAINJ HEP	0.00	0.00	0.00	31.99	0.00	-31.99	1.37	0.80	0.56	-31.43
RENEW_SLR	6.75	0.00	-6.75	0.00	0.00	0.00	0.35	0.40	-0.04	-6.80

AZURE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.79	4.48	-3.70	-3.70
SB_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.75	1.37	0.37	0.37
ACME_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.56	4.46	-3.90	-3.90
AZURE34_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.03	1.22	-0.19	-0.19
TATA_SLR	37.71	0.00	-37.71	0.00	0.00	0.00	5.04	0.33	4.71	-33.00
RENEW_SLR_BKN	23.27	0.00	-23.27	2.83	0.00	-2.83	2.35	1.39	0.96	-25.14
CLEAN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.47	5.84	-4.37	-4.37
ARERJL_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.89	2.72	-1.83	-1.83
ADANI GREEN	0.00	0.00	0.00	10.45	0.00	-10.45	0.00	0.00	0.00	-10.45
ASEJTL_SLR	2.57	0.00	-2.57	0.00	0.00	0.00	0.92	0.21	0.71	-1.86
SINGOLI BHATWARI HE	29.92	0.00	-29.92	5.27	0.00	-5.27	0.70	0.40	0.30	-34.89
AZURE43_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.44	15.97	-14.53	-14.53
MRPL	0.00	0.00	0.00	0.00	0.00	0.00	1.13	2.46	-1.33	-1.33
SB6_POKARAN	0.00	0.00	0.00	0.00	0.00	0.00	4.28	1.02	3.27	3.27
EDEN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.28	3.02	-1.73	-1.73
SBSR_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.74	1.66	0.08	0.08
RENEWSW_SLR	13.38	0.00	-13.38	0.00	0.00	0.00	1.57	3.24	-1.67	-15.05
ADANIHB_SLR	17.97	0.00	-17.97	0.00	0.00	0.00	1.97	6.98	-5.01	-22.98
RENEWJH_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.47	2.75	-1.29	-1.29
ADANI_SLR	0.00	0.00	0.00	29.30	0.00	-29.30	0.00	0.00	0.00	-29.30
AHEJOL_S_FTG2	10.33	0.00	-10.33	0.00	0.00	0.00	0.00	0.00	0.00	-10.33
AHEJOL_W_FTG2	6.48	0.00	-6.48	0.00	0.00	0.00	0.00	0.00	0.00	-6.48
AHEJ2L_SOLAR	45.25	0.00	-45.25	23.35	0.00	-23.35	7.13	3.65	3.49	-65.11
AHEJ2L_WIND	20.89	0.00	-20.89	0.00	0.00	0.00	0.00	0.00	0.00	-20.89
AHEJ3L_SOLAR	52.31	0.00	-52.31	34.45	0.00	-34.45	5.50	6.89	-1.40	-88.16
AHEJ3L_WIND	17.22	0.00	-17.22	0.00	0.00	0.00	0.00	0.00	0.00	-17.22
AHEJ4L_WIND	88.41	0.00	-88.41	0.00	0.00	0.00	0.00	0.00	0.00	-88.41
AHEJ4L_SOLAR	103.16	0.00	-103.16	53.98	0.00	-53.98	11.46	27.38	-15.92	-173.06
RENEWSB	0.00	0.00	0.00	0.00	0.00	0.00	2.65	2.80	-0.16	-0.16
AZURE41_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.70	2.78	-1.09	-1.09
AYANA_RP1	4.90	0.00	-4.90	0.00	0.00	0.00	3.48	2.82	0.66	-4.24
AVAADASN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	2.40	5.82	-3.42	-3.42
RENEWURJA_SLR	20.66	0.00	-20.66	3.32	0.00	-3.32	3.93	2.40	1.53	-22.46
AVADARJHN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	8.11	4.09	4.02	4.02
RENEW_SR_SLR	0.00	0.00	0.00	11.07	0.00	-11.07	3.31	1.20	2.10	-8.96
AZURE_MAPLE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.69	1.32	-0.63	-0.63
THAR1_SLR	12.29	0.00	-12.29	0.00	0.00	0.00	1.09	0.66	0.43	-11.86
CLEANSR_SLR	46.92	0.00	-46.92	0.00	0.00	0.00	0.90	2.59	-1.68	-48.60
ACME_HEERGARH	34.57	0.00	-34.57	0.00	0.00	0.00	2.41	1.01	1.41	-33.17
ABC_BHDL2	20.82	0.00	-20.82	0.00	0.00	0.00	0.00	0.00	0.00	-20.82
MSUPL_BHDL2	4.35	0.00	-4.35	0.00	0.00	0.00	0.00	0.00	0.00	-4.35
NTPC STATIONS-WR	1.21	0.00	-1.21	0.61	0.00	-0.61	253.62	74.40	179.22	177.39
BHADRAVATHI HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.00	0.20	0.20
VINDHYACHAL HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	-0.10	-0.10
JINDAL POWER	163.87	0.00	-163.87	8.75	0.00	-8.75	5.28	1.41	3.86	-168.76
LANKO_AMK	5.21	0.00	-5.21	0.00	0.00	0.00	1.44	4.76	-3.32	-8.52
NSPCL	0.00	0.00	0.00	0.00	0.00	0.00	6.86	1.46	5.40	5.40
ACBIL	27.04	0.00	-27.04	59.04	0.05	-58.99	2.23	2.94	-0.71	-86.74
BALCO	0.00	224.09	224.09	0.00	31.15	31.15	6.87	3.98	2.89	258.14
RGPPL	55.20	0.00	-55.20	3.77	0.00	-3.77	10.11	2.29	7.82	-51.16
CGPL	0.00	0.00	0.00	2.69	0.00	-2.69	19.38	2.13	17.24	14.55
DCPP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	-0.034	-0.034
EMCO	8.98	0.00	-8.98	19.14	0.00	-19.14	1.59	2.38	-0.79	-28.92
KSK MAHANADI	157.86	0.00	-157.86	0.03	0.00	-0.03	0.49	2.57	-2.09	-159.97
ESSAR POWER	332.70	0.00	-332.70	153.10	0.00	-153.10	11.92	1.84	10.08	-475.72
JINDAL STAGE-II	339.07	0.00	-339.07	97.47	0.00	-97.47	2.16	4.88	-2.71	-439.26
DB POWER	299.18	0.00	-299.18	71.50	0.00	-71.50	2.85	3.95	-1.10	-371.78
DHARIWAL POWER	0.00	0.00	0.00	1.13	0.00	-1.13	1.34	0.29	1.04	-0.09
JAYPEE NIGRIE	427.23	0.00	-427.23	86.37	0.00	-86.37	0.80	4.14	-3.34	-516.95
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	96.60	0.00	-96.60	77.58	0.00	-77.58	7.08	4.44	2.64	-171.54
MARUTI COAL	12.48	0.00	-12.48	16.87	0.48	-16.39	0.00	0.00	0.00	-28.87
JHABUA POWER_MP	70.32	0.00	-70.32	0.78	0.00	-0.78	9.31	1.75	7.57	-63.54

SASAN UMP	0.00	0.00	0.00	12.38	0.00	-12.38	1.18	46.27	-45.09	-57.47
TRN ENERGY	0.00	0.00	0.00	0.00	0.00	0.00	0.41	0.92	-0.52	-0.52
RKM POWER	310.60	0.00	-310.60	40.94	0.00	-40.94	6.29	5.77	0.52	-351.02
SKS POWER	0.00	0.00	0.00	0.00	0.00	0.00	1.57	0.00	1.57	1.57
BARC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.19	-3.19	-3.19
KAPP 3&4	0.00	0.00	0.00	0.00	0.00	0.00	6.76	0.00	6.76	6.76
HVDC CHAMPA	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.05	0.05	0.05
MAHINDRA_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	2.07	6.08	-4.01	-4.01
ARINSUM_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	2.15	5.94	-3.79	-3.79
OSTRO	13.91	0.00	-13.91	5.48	0.00	-5.48	11.38	5.80	5.59	-13.81
ACME_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	1.95	5.53	-3.57	-3.57
RENEW_BHACHAU	0.00	0.00	0.00	0.00	0.00	0.00	6.45	8.95	-2.51	-2.51
GIWEL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	14.63	8.84	5.79	5.79
INOX_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	7.05	5.28	1.77	1.77
AGEMPL BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	13.22	13.31	-0.08	-0.08
REGL	287.60	0.00	-287.60	15.58	0.00	-15.58	6.92	0.61	6.31	-296.87
RPREL	405.44	0.00	-405.44	174.20	0.34	-173.86	17.57	2.30	15.27	-564.04
AMPS Hazira	0.00	245.48	245.48	0.00	69.21	69.21	22.68	22.39	0.29	314.98
HVDC RAIGARH	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.10	0.02	0.02
RGPPL_Others	0.00	0.00	0.00	0.02	0.00	-0.02	0.00	0.00	0.00	-0.02
ALFANAR_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	6.41	7.67	-1.26	-1.26
RENEW_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	6.45	8.10	-1.65	-1.65
ADANI_WIND	14.75	0.00	-14.75	6.34	0.00	-6.34	0.00	0.00	0.00	-21.09
CONTINNUM PT	5.19	0.00	-5.19	1.13	0.00	-1.13	0.00	0.00	0.00	-6.32
TPREL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	0.67	1.72	-1.05	-1.05
ESPL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	0.71	2.58	-1.87	-1.87
GIPCL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	0.47	1.64	-1.17	-1.17
GSECL_Radhanesda	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.40	-0.36	-0.36
AVIKIRAN	0.00	0.00	0.00	0.00	0.00	0.00	3.52	4.43	-0.91	-0.91
NTPC STATIONS-SR	0.00	0.00	0.00	8.02	0.00	-8.02	46.95	24.23	22.72	14.70
LANKO KONDAPALLI	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.53	0.53
SIMHAPURI	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.00	0.40	0.40
MEENAKSHI	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.00	0.52	0.52
COASTGEN	68.99	0.00	-68.99	0.00	0.00	0.00	6.75	0.44	6.30	-62.69
THERMAL POWERTECH	0.00	0.00	0.00	0.00	0.00	0.00	25.18	1.19	23.98	23.98
IL&FS	170.71	0.00	-170.71	0.35	0.00	-0.35	11.62	0.12	11.51	-159.55
NLC	0.00	0.00	0.00	71.80	0.00	-71.80	28.56	18.86	9.70	-62.11
SEMBCORP	532.59	0.00	-532.59	110.00	0.00	-110.00	34.33	0.21	34.12	-608.47
NETCL VALLUR	0.00	0.00	0.00	0.00	0.00	0.00	18.13	2.20	15.94	15.94
NTPL	0.00	0.00	0.00	0.00	0.00	0.00	8.88	0.46	8.42	8.42
AHSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.78	1.08	-0.30	-0.30
AKSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.74	1.11	-0.37	-0.37
ABSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.81	1.09	-0.28	-0.28
AZURE_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.97	-0.46	-0.46
TATA_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.32	2.00	-0.68	-0.68
FRV_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.63	1.10	-0.48	-0.48
NTPC_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	3.35	3.41	-0.06	-0.06
GIWEL_TCN	0.00	0.00	0.00	0.00	0.00	0.00	9.13	9.26	-0.12	-0.12
MYTRAH_TCN	0.00	0.00	0.00	0.00	0.00	0.00	7.37	7.02	0.35	0.35
FRV_NPK	0.00	0.00	0.00	0.00	0.00	0.00	0.67	1.03	-0.36	-0.36
ORANGE_TCN	0.00	0.00	0.00	0.00	0.00	0.00	9.88	8.12	1.76	1.76
BETAM_TCN	0.00	0.00	0.00	0.00	0.00	0.00	7.05	8.60	-1.55	-1.55
SBG_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	3.64	2.34	1.30	1.30
SBG_NPK	0.00	0.00	0.00	0.00	0.00	0.00	4.50	3.80	0.71	0.71
FORTUM1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.49	1.06	0.43	0.43
PARAM_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.78	-0.39	-0.39
YARROW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.26	-0.10	-0.10
TATA_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	1.28	1.61	-0.33	-0.33
RENEW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.24	-0.02	-0.02
AKS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.25	-0.09	-0.09
ARS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.28	-0.14	-0.14
AVAADA1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.55	-0.17	-0.17
ADY1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.88	1.67	-0.79	-0.79

ADY2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.88	1.67	-0.79	-0.79
ADY13_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.88	1.67	-0.79	-0.79
ADY3_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.88	1.59	-0.71	-0.71
ADY6_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.88	1.59	-0.71	-0.71
ADY10_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.88	1.67	-0.79	-0.79
AZURE_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.67	-0.43	-0.43
FORTUM2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.55	1.37	-0.82	-0.82
AVAADA2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.59	-0.27	-0.27
KREDL_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.20	-0.03	-0.03
AYANA_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	0.80	1.42	-0.62	-0.62
SPRNG_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	0.74	1.25	-0.51	-0.51
SPRING_PUGALUR	0.00	0.00	0.00	0.00	0.00	0.00	2.85	3.15	-0.30	-0.30
OSTRO Hiriyur	0.00	0.00	0.00	0.00	0.00	0.00	1.50	1.95	-0.45	-0.45
RSTPS_FSPP	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.25	0.25	0.25
GRT_JPL	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.26	-0.03	-0.03
NTPC STATIONS-ER	0.00	0.00	0.00	1.63	0.00	-1.63	64.77	38.45	26.32	24.69
MAITHON POWER LTD	0.00	0.00	0.00	0.30	0.00	-0.30	2.58	5.96	-3.38	-3.68
NPGC	0.00	0.00	0.00	0.00	0.00	0.00	7.73	5.05	2.67	2.67
ADHUNIK POWER LTD	261.70	0.00	-261.70	21.11	0.00	-21.11	1.29	2.55	-1.26	-284.07
CHUZACHEN HEP	0.00	0.00	0.00	6.01	0.00	-6.01	1.29	2.25	-0.96	-6.96
RANGIT HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.36	1.52	-1.16	-1.16
GMR KAMALANGA	31.44	0.00	-31.44	14.50	0.00	-14.50	1.61	3.02	-1.41	-47.35
JITPL	372.00	0.00	-372.00	190.64	0.00	-190.64	2.21	2.50	-0.29	-562.93
TEESTA HEP	258.22	0.00	-258.22	0.00	0.00	0.00	0.32	6.22	-5.90	-264.12
DAGACHU	29.84	0.00	-29.84	0.00	0.00	0.00	12.51	0.10	12.41	-17.43
JORETHANG	13.48	0.00	-13.48	18.01	0.00	-18.01	3.87	0.31	3.56	-27.93
NEPAL(NVVN)	0.00	19.14	19.14	0.00	63.22	63.22	8.28	19.31	-11.03	71.33
BANGLADESH	0.00	148.80	148.80	0.00	0.00	0.00	8.80	0.53	8.27	157.07
HVDC PUS	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.01	0.23	0.23
TEESTA STG3	0.00	0.00	0.00	130.63	0.00	-130.63	7.08	5.95	1.13	-129.50
DIKCHU HEP	53.80	0.00	-53.80	10.40	0.00	-10.40	2.44	1.07	1.36	-62.83
HVDC ALPD	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05	0.00	0.00
TASHIDENG HEP	9.59	0.00	-9.59	14.44	0.00	-14.44	3.55	0.18	3.37	-20.66
BRBCL NABINAGAR	0.00	0.00	0.00	0.00	0.00	0.00	8.59	4.24	4.36	4.36
MTPS II	0.00	0.00	0.00	0.00	0.00	0.00	1.72	6.00	-4.29	-4.29
TALA HEP	0.00	0.00	0.00	0.00	0.00	0.00	54.28	17.69	36.59	36.59
CHUKHA HEP	0.00	0.00	0.00	0.00	0.00	0.00	5.05	45.46	-40.41	-40.41
KURICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	2.36	6.52	-4.16	-4.16
MANGDECHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	19.32	10.07	9.25	9.25
RONGNICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.86	2.33	-1.48	-1.48
NTPC STATIONS-NER	0.00	0.00	0.00	1.05	0.00	-1.05	7.36	3.19	4.18	3.12
NEEPCO STATIONS	19.14	0.00	-19.14	103.13	0.00	-103.13	1.73	10.52	-8.79	-131.07
RANGANADI HEP	0.00	0.00	0.00	0.00	0.00	0.00	1.28	1.89	-0.61	-0.61
DOYANG HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.33	-0.10	-0.10
ONGC PALATANA	5.21	0.00	-5.21	14.65	0.00	-14.65	0.74	1.09	-0.35	-20.21
LOKTAK	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.41	-0.10	-0.10
PARE HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.68	-0.62	-0.62

Source: NLDC

* in case of a state, the entities which are "selling" also include generators connected to state grid and the entities which are "buying" also include open access consumers.

** (-) indicates sale and (+) indicates purchase,

*** Total net includes net of transactions through bilateral, power exchange and DSM

Table-28: VOLUME AND PRICE OF RENEWABLE ENERGY CERTIFICATES (RECs) TRANSACTED THROUGH POWER EXCHANGES, MAY 2022					
Sr. No.	Details of REC Transactions	IEX		PXIL	
		Solar	Non-Solar	Solar	Non-Solar
A	Volume of Buy Bid	258375	171699	80932	80890
B	Volume of Sell Bid	186612	1275523	44173	458019
C	Ratio of Buy Bid to Sell Bid Volume	1.38	0.13	1.83	0.18
D	Market Clearing Volume (MWh)	103282	171699	39499	80890
E	Weighted average Market Clearing Price (₹/MWh)	2201	1000	2300	1000

Source: IEX and PXIL
Note 1: 1 REC = 1 MWh

Table-29: VOLUME AND PRICE OF CROSS BORDER TRADE THROUGH DAY AHEAD MARKET AT POWER EXCHANGE, MAY 2022						
Sr. No.	Neighbouring Country	Volume (MU)			Weighted Average Price (₹/kWh)	
		Sale	Purchase	Net	Sale	Purchase
1	Nepal	0.00	84.69	84.69	-	6.78
2	Bhutan	-	-	-	-	-

Source: IEX and PXIL