

Monthly Report on Short-term Transactions of Electricity in India

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Contents

S.No.	Contents	Page No
	Contents	i
	List of Tables	ii
	List of Figures	iii
	Abbreviations	iv
1	Introduction	1
2	Volume of Short-term Transactions of Electricity	1
3	Price of Short-term Transactions of Electricity	3
3.1	<i>Price of electricity transacted through Traders</i>	3
3.2	<i>Price of electricity transacted through Power Exchanges</i>	3
3.3	<i>Price of electricity transacted through DSM</i>	3
4	Trading Margin	4
5	Volume of Short-term Transactions of Electricity (Regional Entity-wise)	4
6	Congestion on Inter-State Transmission Corridor for Day-Ahead Market and Real Time Market on Power Exchanges	5
7	Volume and Price of Renewable Energy Certificates (RECs)	6
8	Inferences	7

S.No.	List of Tables	Page No.
Table-1	Volume of Short-term Transactions of Electricity in India	9
Table-2	Percentage Share of Electricity Transacted by Trading Licensees	11
Table-3	Price of Electricity Transacted through Traders	12
Table-4	Price of Electricity Transacted through Traders (Time-wise)	12
Table-5	Price of Electricity Transacted in Day Ahead Market through Power Exchanges	12
Table-6	Price of Electricity Transacted in Green Day Ahead Market through Power Exchanges	12
Table-7	Price of Electricity Transacted in Real Time Market through Power Exchanges	12
Table-8	Volume and Price of Electricity in Term Ahead Market of IEX	13
Table-9	Volume and Price of Electricity in Term Ahead Market of PXIL	13
Table-10	Volume and Price of Electricity in Green Term Ahead Market of IEX	13
Table-11	Volume and Price of Electricity in Green Term Ahead Market of PXIL	13
Table-12	Price of Electricity Transacted through DSM	13
Table-13	Volume of Electricity Sold through Bilateral	15
Table-14	Volume of Electricity Purchased through Bilateral	17
Table-15	Volume of Electricity Sold in Day Ahead Market through Power Exchanges	18
Table-16	Volume of Electricity Purchased in Day Ahead Market through Power Exchanges	20
Table-17	Volume of Electricity Sold in Green Day Ahead Market through Power Exchanges	21
Table-18	Volume of Electricity Purchased in Green Day Ahead Market through Power Exchanges	22
Table-19	Volume of Electricity Sold in Real Time Market through Power Exchanges	23
Table-20	Volume of Electricity Purchased in Real Time Market through Power Exchanges	25
Table-21	Volume of Electricity Under drawal through DSM	26
Table-22	Volume of Electricity Over drawal through DSM	29
Table-23	Total Volume of Net Short-term Transactions of Electricity (Regional Entity-wise)	32
Table-24	Details of Congestion in Power Exchanges	36
Table-25	Volume of Short-term Transactions of Electricity in India (Day-wise)	37
Table-26(a)	Price of Short-Term Transactions of Electricity (Day-Wise)	38
Table-26(b)	Price of Short-Term Transactions of Electricity (Day-Wise)	39
Table-27	Volume of Short-term Transactions of Electricity (Regional Entity-wise)	40
Table-28	Volume and Price of Renewable Energy Certificates (RECs) Transacted through Power Exchanges	44

S. No.	List of Figures	Page No.
Figure-1	Volume of Various Kinds of Electricity Transactions in Total Electricity Generation	9
Figure-2	Volume of Short-term Transactions of Electricity	9
Figure-3	Volume transacted in different markets segments on Power Exchanges	10
Figure-4	Volume of Short-term Transactions of Electricity (Day-wise)	10
Figure-5	Percentage Share of Electricity Transacted by Trading Licensees	11
Figure-6	Weighted Average Price of Short-term Transactions Electricity	14
Figure-7	Weighted Average Price of Short-term Transactions Electricity (Day-wise)	14

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 RewaUltraMega 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	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_BHUJ	Green infra wind energy Limited, Bhuj
GIWEL_TCN	Green Infra Wind Energy Limited, Tuticorin
GMR CHHATTISGARH	GMR Chhattisgarh Energy Limited
GMR KAMALANGA	GMR Kamalanga Energy Ltd.
G-DAM	Green Day Ahead Market
G-TAM	Green Term Ahead Market
HVDC ALPD	Alipurduar High Voltage Direct Current Link
HVDC CHAMPA	Champa-Kurukshetra High Voltage Direct Current Link
HVDC PUS	Pasauli High Voltage Direct Current Link
HVDC RAIGARH	Raigarh-Pugalur High Voltage Direct Current Link
IEX	Indian Energy Exchange Limited
IGSTPS	Indira Gandhi Super Thermal Power Station Jhajjar
IL&FS	Infrastructure Leasing & Financial Services Limited
INOX_BHUJ	INOX Wind Limited, Bhuj, Gujarat
J&K	Jammu & Kashmir
JAYPEE NIGRIE	Jaypee Nigrie Super Thermal Power Project
JHABUA POWER MP	Jhabua Thermal Power Project
JINDAL POWER	Jindal Power Limited
JINDAL STAGE-II	Jindal Power Ltd Stage II

JITPL	Jindal India Thermal Power Ltd.
JORETHANG	Jorethang Loop Hydroelectric Power Project
KAPP 3&4	Kakrapar Atomic Power Station Unit 3 & 4
KARCHAM WANGTOO	Karcham Wangtoo H.E. Project
KORBA WEST POWER	Korba West Power Company Limited
KOTESHWAR	Koteshwar Hydro Power project
KREDL_PVGD	Karnataka Renewable Energy Development Ltd,Pavagada
KSK MAHANADI	KSK Mahanadi Power Ltd
KSMPL_SLR	Kilaj Solar (Maharashtra) Private Limited
KURICHU HEP	Kurichhu Hydro-electric Power Station, Bhutan
LANKO_AMK	LancoAmarkantak Power Private Limited
LANKO BUDHIL	LancoBudhil Hydro Power Private Limited
LANKOKONDAPALLY	Lanco Kondapally Power Private Limited
LOKTAK	Loktak Power Project
MAHINDRA_RUMS	Mahindra Rewa Ultra Mega Solar Project
MAHOBASLR	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 **April 2022** is presented in the following sections.

2. Volume of Short-term Transactions of Electricity

2.1. During April 2022, total electricity generation, excluding generation from renewable and captive power plants in India was 127136.86 MU (Table-1). Of the total electricity generation, 12.40% was transacted through short-term, comprising of 5.97% through bilateral (through traders and term-ahead contracts on power exchanges, and directly between distribution companies), followed by 4.75% through power exchanges {Day Ahead Market (DAM) (including G-DAM) and Real Time Market (RTM)} and 1.68% through DSM (Table-1 & Figure-1).

2.2. Of the total short-term transactions (15758.82 MU), 48.18% was transacted through bilateral (38.35% through traders and term-ahead contracts on power exchanges, and 9.82% directly between distribution companies), followed by 38.28% through power exchanges {DAM (including G-DAM) and RTM} and 13.54% 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, 46.70% of the volume was transacted in DAM (including G-DAM), followed by 34.91% in Term Ahead Market (TAM) (including G-TAM) and 18.39% 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 April 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 77.51% 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 0.1463 for the month of April 2022, which indicates non-concentration of market power (Table-2).

2.6. The volume of electricity transacted in the DAM of IEX was 4113.65 MU, while no electricity was transacted in the DAM of PXIL. The volume of total buy bids and sell bids was 12757.66 MU and 4896.07 MU respectively in IEX, while the same was 6.60 MU and 7.75 MU respectively in PXIL.

2.7. The volume of electricity transacted in the G-DAM of IEX was 214.73 MU, while no electricity was transacted in the G-DAM of PXIL. The volume of total buy bids and sell bids was 1447.81 MU and 231.06 MU respectively in IEX. No bids were received in PXIL.

2.8. The volume of electricity transacted in the RTM of IEX and PXIL was 1704.28 MU and 0.10 MU respectively. The volume of total buy bids and sell bids was 9257.41 MU and 2117.82 MU respectively in IEX, while the same was 3.14 MU and 0.56 MU respectively in

PXIL. The variation in the volume of buy bids and sell bids placed through power exchanges shows variation in the demand and supply position.

2.9. The volume of electricity transacted in the TAM of IEX and PXIL was 1171.50 MU and 1734.48 MU respectively (Table-8 & Table-9). The volume of electricity transacted in the Green Term Ahead Market (G-TAM) of IEX and PXIL was 120.77 MU and 208.61 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 ₹2.80/kWh, ₹12.03/kWh and ₹6.41/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 ₹6.41/kWh and ₹6.41/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 ₹2.70/kWh, ₹20.00/kWh and ₹9.52/kWh respectively (Table-5). The minimum, maximum and weighted average prices for the electricity transacted in the G-DAM of IEX were ₹3.65/kWh, ₹20.00/kWh and ₹9.29/kWh respectively. (Table-6). The minimum, maximum and weighted average prices for the electricity transacted in the RTM of IEX were ₹0.60/kWh, ₹16.74/kWh and ₹9.12/kWh respectively. These prices in RTM of PXIL were ₹7.00/kWh, ₹12.00/kWh and ₹8.37/kWh respectively (Table-7). The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹10.72/kWh and ₹11.20/kWh respectively (Table-8 and Table-9). The price of electricity transacted in the G-TAM of IEX and PXIL was ₹9.56/kWh and ₹8.60/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 ₹7.05/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 ₹0.021/kWh.

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

5.1. Of the total bilateral transactions, top 5 regional entities/states sold 31.75% of the volume. These were Raipur Energen Limited, Punjab, Karnataka, Sembcorp Gayatri Power Ltd. and Essar Power Limited (Table-13). Top 5 regional entities/states purchased 58.28% of the volume, and these were Tamil Nadu, Gujarat, Maharashtra, Telangana and Andhra Pradesh (Table-14).

5.2. Of the total DAM transactions at power exchanges, top 5 regional entities/states sold 41.67% of the volume, and these were Uttar Pradesh, Jindal Power Ltd Stage II, Jindal India Thermal Power Ltd., Sembcorp Gayatri Power Ltd. and Jindal Power Limited (Table-15). Top 5 regional entities/states purchased 62.44% of the volume, and these were Telangana, Tamil Nadu, West Bengal, Andhra Pradesh and Haryana (Table-16).

5.3. Of the total G-DAM transactions at power exchanges, top 5 regional entities/states sold 67.80% of the volume, and these were Karnataka, Adani Hybrid Energy Jaisalmer Four Limited (Solar), Jammu & Kashmir, Adani Hybrid Energy Jaisalmer One Limited (Solar) and Azure Power Maple Pvt. Ltd. (Solar) (Table-17). Top 5 regional entities/states purchased 71.97% of the volume, and these were Punjab, Maharashtra, Gujarat, Jharkhand and West Bengal (Table-18).

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.

5.4. Of the total RTM transactions at power exchanges, top 5 regional entities/states sold 45.72% of the volume, and these were Bihar, Delhi, West Bengal, Karnataka and Rajasthan (Table-19). Top 5 regional entities/states purchased 56.15% of the volume, and these were Telangana, Maharashtra, Tamil Nadu, Haryana and West Bengal (Table-20).

5.5. Of the total under drawal in April 2022, top 5 regional entities/states under drew 23.51% of the volume, and these were NHPC Stations, Gujarat, Kerala, NTPC Stations (Western Region) and Haryana (Table-21). Top 5 regional entities/states overdraw 26.17% of the total over drawal volume, and these were NTPC Stations (Western Region), Maharashtra, NTPC Stations (Northern Region), Madhya Pradesh and Pondicherry (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., Jindal India Thermal Power Ltd., Raipur Energen Limited and Jindal Power Ltd Stage II. Top 5 electricity purchasing regional entities/states were Tamil Nadu, Telangana, Gujarat, Maharashtra and Andhra 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 the flow (due to congestion) in the inter-State transmission system. In such a situation, power exchanges adopt a mechanism called “Market Splitting”³.

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

³ “Market Splitting” is a mechanism adopted by Power Exchanges, where the market is split in the event of transmission congestion, into predetermined (by NLDC) bid areas or zones, which are cleared individually at their respective area prices such that the energy balance in every bid area is reached based upon the demand and supply in individual bid areas and using the available transmission corridor capacity between various bid areas simultaneously. As a result of this market splitting the

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 April 2022, congestion was experienced in both DAM and RTM of IEX (Table-24).

6.3. The volume of electricity that could not be cleared, due to congestion, in DAM of IEX was 0.07% of the unconstrained cleared volume, while the volume of electricity that could not be cleared, due to congestion in RTM of IEX was 0.03% of the unconstrained cleared volume. In terms of time, congestion occurred was 0.90% in DAM and 1.81% 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 April 2022 are shown in Table-28. The market clearing volume of solar RECs transacted on IEX and PXIL were 77433 and 62753 respectively and the weighted average market clearing price of these RECs was ₹2200/MWh in IEX and ₹2300/MWh in PXIL. Market clearing volume of non-solar RECs transacted on IEX and PXIL were 171446 and 159838 respectively and the weighted average market clearing price of these RECs was ₹ 1000/MWh in IEX and ₹ 1000/MWh in PXIL.

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.

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 0.62 and 3.39 in IEX and PXIL respectively. For non-solar RECs, the ratio of buy bids to sell bids 0.18 and 0.31 in IEX and PXIL respectively.

8. Inferences:

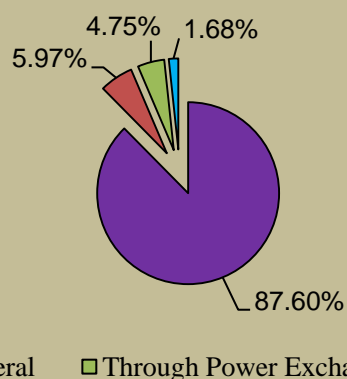
- a) The percentage of short-term transactions of electricity to total electricity generation was 12.40%.
- b) Of the total short-term transactions (15758.82 MU), 48.18% was transacted through bilateral (38.35% through traders and term-ahead contracts on power exchanges, and 9.82% directly between distribution companies), followed by 38.28% through power exchanges {DAM (including G-DAM) and RTM} and 13.54% through DSM.
- c) Of the total volume of electricity transacted through power exchanges, 46.70% of the volume was transacted in DAM (including G-DAM), followed by 34.91% in Term Ahead Market (TAM) (including G-TAM) and 18.39% in RTM.
- d) Top 5 trading licensees had a share of 77.51% 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 0.1463, indicating non-concentration of market power.
- f) The weighted average price of electricity transacted through trading licensees was ₹6.41/kWh.
- g) The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹10.72/kWh and ₹11.20/kWh respectively. The weighted average price of electricity transacted in the G-TAM of IEX and PXIL was ₹9.56/kWh and ₹8.60/kWh respectively.
- h) The weighted average price of electricity transacted in DAM of IEX was ₹9.52/kWh. The weighted average price of electricity transacted in G-DAM of IEX was ₹9.29/kWh. The weighted average price of electricity transacted in RTM of IEX and PXIL was ₹9.12/kWh and ₹8.37/kWh. No electricity was transacted in the DAM & G-DAM of PXIL.

- i) The average price of electricity transacted through DSM was ₹7.05/kWh.
- j) The weighted average trading margin charged by the trading licensees for bilateral transactions was ₹0.021/kWh, which was in line with the Trading Licence Regulations 2020.
- k) Top 5 electricity selling regional entities/states were Karnataka, Sembcorp Gayatri Power Ltd., Jindal India Thermal Power Ltd., Raipur Energen Limited and Jindal Power Ltd Stage II. Top 5 electricity purchasing regional entities/states were Tamil Nadu, Telangana, Gujarat, Maharashtra and Andhra Pradesh.
- l) During the month, congestion was experienced in both DAM and RTM of IEX. The volume of electricity that could not be cleared, due to congestion, in DAM of IEX was 0.07% of the unconstrained cleared volume, while the volume of electricity that could not be cleared, due to congestion in RTM of IEX was 0.03% of the unconstrained cleared volume. In terms of time, congestion occurred was 0.90% in DAM and 1.81% in RTM of IEX during the month.
- m) The market clearing volume of solar RECs transacted on IEX and PXIL were 77433 and 62753 respectively and the weighted average market clearing price of these RECs was ₹2200/MWh in IEX and ₹2300/MWh in PXIL. Market clearing volume of non-solar RECs transacted on IEX and PXIL were 171446 and 159838 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), APRIL 2022				
Sr.No	Short-term transactions	Volume (MU)	% to Volume of short-term transactions	% to Total Generation
1	Bilateral	7592.35	48.18	5.97
	(i) Through Traders and PXs	6044.05	38.35	4.75
	(ii) Direct	1548.29	9.82	1.22
2	Through Power Exchanges	6032.76	38.28	4.75
	(i) IEX			
	(a) DAM	4113.65	26.10	3.24
	(b) RTM	1704.28	10.81	1.34
	(c) GDAM	214.73	1.36	0.17
	(ii)PXIL			
	(a) DAM	0.00	0.00	0.00
	(b) RTM	0.10	0.001	0.0001
	(c) GDAM	0.00	0.00	0.00
3	Through DSM	2133.71	13.54	1.68
	Total	15758.82	-	12.40
	Total Generation	127136.86	-	-

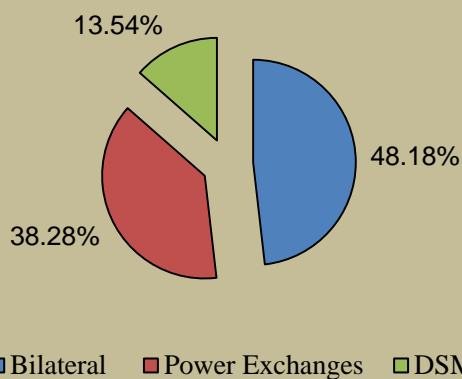
Source: NLDC

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



Legend: Long-term (Purple), Bilateral (Red), Through Power Exchanges (Green), Through DSM (Blue)

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



Legend: Bilateral (Blue), Power Exchanges (Red), DSM (Green)

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

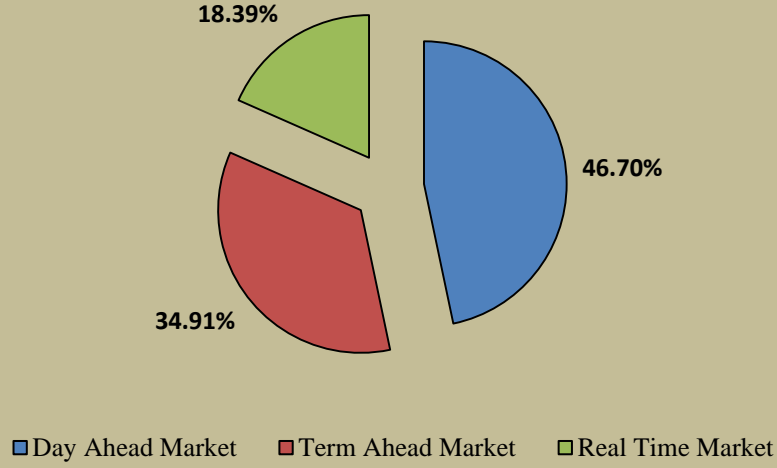


Figure-4: Volume of Short-term Transactions of Electricity, April 2022 (Day-wise)

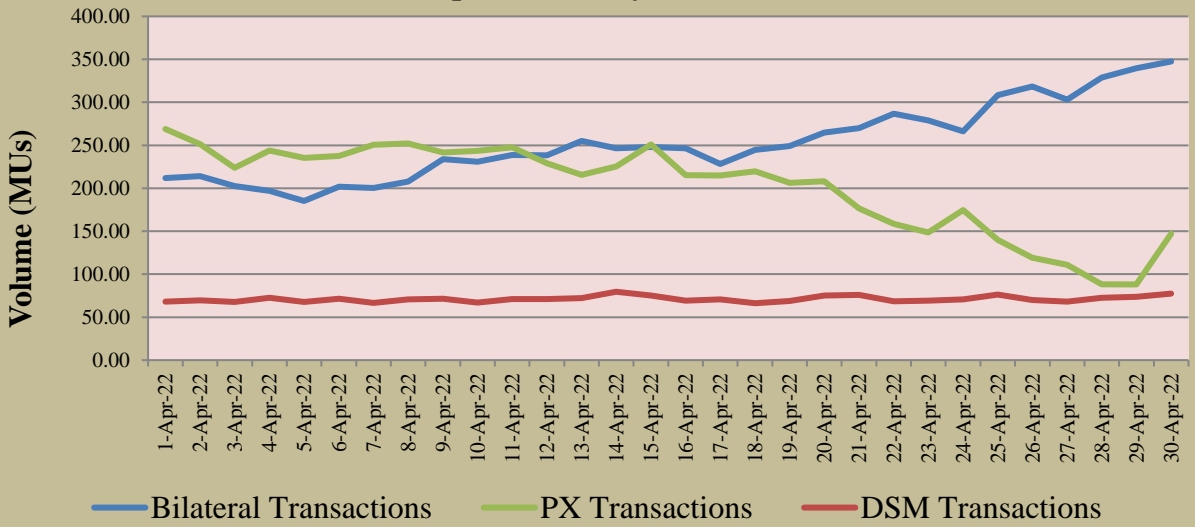


Table-2: PERCENTAGE SHARE OF ELECTRICITY TRANSACTED BY TRADING LICENSEES, APRIL 2022			
Sr. No	Name of the Trading Licensee	% Share in total Volume transacted by Trading Licensees	Herfindahl-Hirschman Index
1	PTC India Ltd.	27.51	0.0757
2	NTPC Vidyut Vyapar Nigam Ltd.	14.70	0.0216
3	Adani Enterprises Ltd.	13.00	0.0169
4	Tata Power Trading Company (P) Ltd.	12.16	0.0148
5	Manikaran Power Ltd.	10.13	0.0103
6	JSW Power Trading Company Ltd	4.96	0.0025
7	Arunachal Pradesh Power Corporation (P) Ltd	4.04	0.0016
8	Saranyu Power Trading Private Limited	3.84	0.0015
9	GMR Energy Trading Ltd.	3.00	0.0009
10	Kreate Energy (I) Pvt. Ltd.	1.28	0.0002
11	Knowledge Infrastructure Systems (P) Ltd	1.12	0.0001
12	RPG Power Trading Company Ltd.	0.92	0.0001
13	Greenko Energies Pvt Ltd	0.76	0.0001
14	Ambitious Power Trading Company Ltd.	0.62	0.0000
15	Statkraft Markets Pvt. Ltd.	0.57	0.0000
16	Abja Power Private Limited	0.52	0.0000
17	Instinct Infra & Power Ltd.	0.28	0.0000
18	Shree Cement Ltd.	0.26	0.0000
19	National Energy Trading & Services Ltd.	0.21	0.0000
20	Shubheksha Advisors Pvt. Ltd.	0.04	0.0000
21	Refex Energy Limited	0.03	0.0000
22	NLC India Ltd.	0.01	0.0000
23	Altilium Energie Private Limited	0.01	0.0000
24	Phillip Commodities India (P) Ltd.	0.01	0.0000
25	Gita Power & Infrastructure Private Limited	0.007	0.0000
26	Instant Venture Pvt. Ltd.	0.005	0.0000
27	Customized Energy Solutions India (P) Ltd.	0.00003	0.0000
TOTAL		100.00%	0.1463
Top 5 trading licensees		77.51%	
<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, April 2022

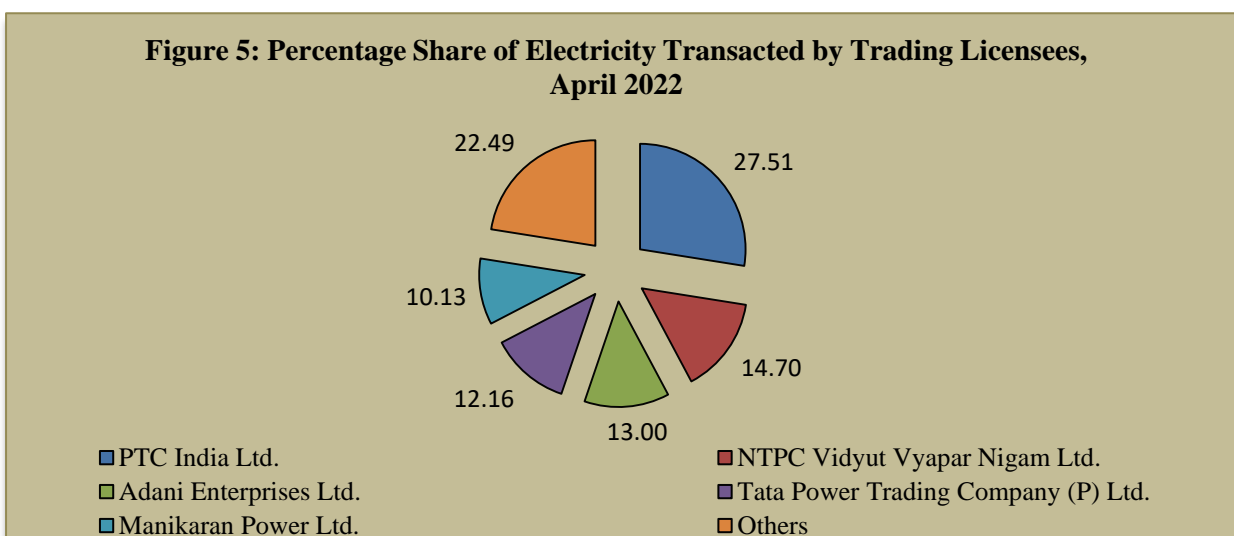


Table-3: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS, APRIL 2022		
Sr.No	Item	Sale Price of Traders (₹/kWh)
1	Minimum	2.80
2	Maximum	12.03
3	Weighted Average	6.41

Source: Information submitted by trading licensees

Table-4: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS (TIME-WISE), APRIL 2022		
Sr.No	Period of Trade	Sale Price of Traders (₹/kWh)
1	RTC	6.41
2	PEAK	-
3	OFF PEAK	6.41

Source: Information submitted by trading licensees

Table-5: PRICE OF ELECTRICITY TRANSACTED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, APRIL 2022			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	2.70	-
2	Maximum	20.00	-
3	Weighted Average	9.52	-

Source: IEX and PXIL

Table-6: PRICE OF ELECTRICITY TRANSACTED IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, APRIL 2022			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	3.65	-
2	Maximum	20.00	-
3	Weighted Average	9.29	-

Source: IEX and PXIL

Table-7: PRICE OF ELECTRICITY TRANSACTED IN REAL TIME MARKET THROUGH POWER EXCHANGES, APRIL 2022			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	0.60	7.00
2	Maximum	16.74	12.00
3	Weighted Average	9.12	8.37

Source: IEX and PXIL

Table-8: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF IEX, APRIL 2022			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	18.23	13.41
2	Day Ahead Contingency Contracts	533.50	10.76
3	Daily Contracts	601.05	10.57
4	Weekly Contracts	18.72	12.00
	Total	1171.50	10.72

Source: IEX

Table-9: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF PXIL, APRIL 2022			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	16.89	12.68
2	Day Ahead Contingency Contracts	762.10	11.52
3	Any Day(s) Contracts	955.49	10.93
	Total	1734.48	11.20

Source: PXIL

Table-10: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF IEX, APRIL 2022			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	0.20	12.00
2	Day Ahead Contingency Contracts	88.67	9.86
3	Daily Contracts	31.90	8.70
	Total	120.77	9.56

Source: IEX

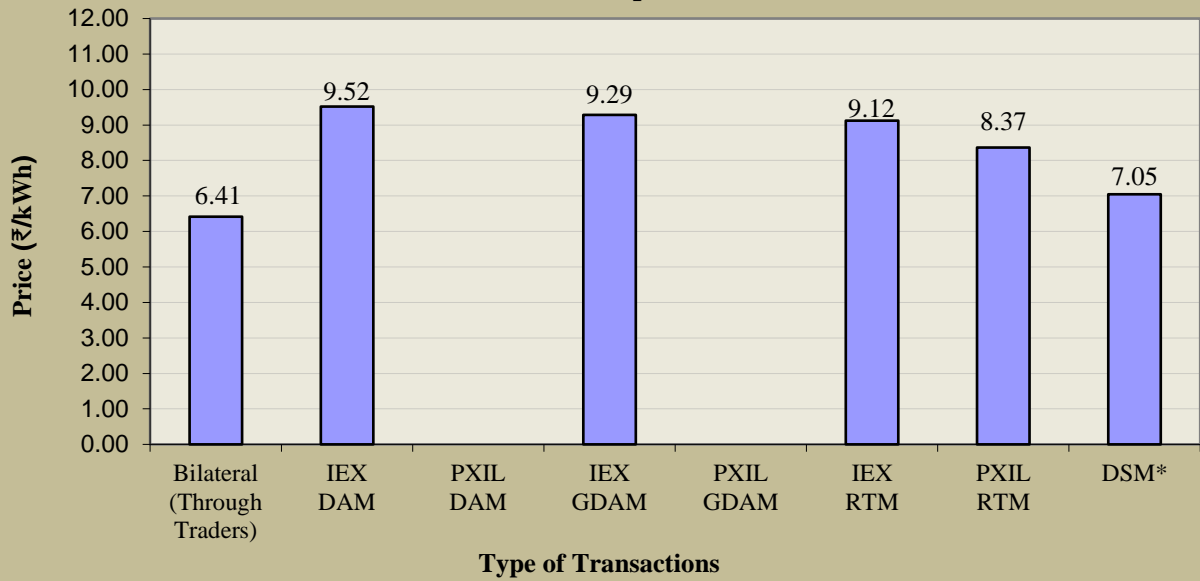
Table-11: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF PXIL, APRIL 2022			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Day Ahead Contingency Contracts	207.36	8.57
2	Any Day(s) Contracts	1.25	13.85
	Total	208.61	8.60

Source: PXIL

Table-12: PRICE OF ELECTRICITY TRANSACTED THROUGH DSM, APRIL 2022		
Sr.No	Item	Price in All India Grid (₹/kWh)
1	Minimum	0.00
2	Maximum	8.00
3	Average	7.05

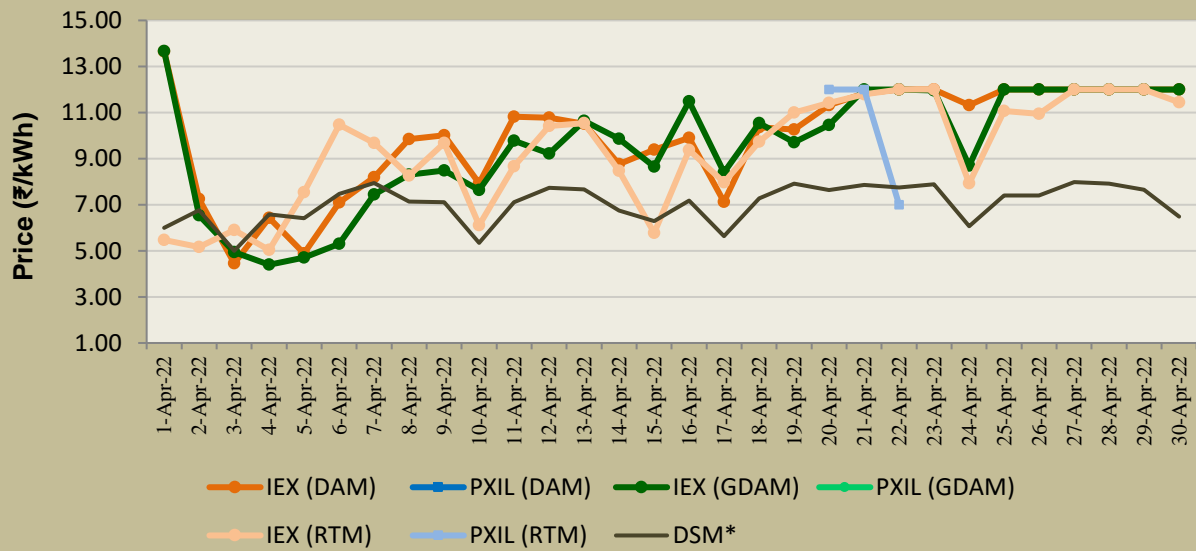
Source: NLDC

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



* Simple average price of DSM of the month

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



Note: On PXIL, transactions were recorded in RTM only on 20th – 22nd April 2022. Further, no electricity was transacted in DAM & G-DAM of PXIL during April 2022.

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

Table-13: VOLUME OF ELECTRICITY SOLD THROUGH BILATERAL, APRIL 2022		
Name of the Entity	Volume of Sale (MUs)	% of Volume
RPREL	547.40	7.21
PUNJAB	531.47	7.00
KARNATAKA	490.32	6.46
SEMBCORP	425.16	5.60
ESSAR POWER	416.84	5.49
RKM POWER	367.84	4.84
MP	360.98	4.75
JITPL	342.95	4.52
DB POWER	339.73	4.47
JAYPEE NIGRIE	288.22	3.80
COASTGEN	277.95	3.66
TEESTA STG3	238.99	3.15
JINDAL STAGE-II	237.96	3.13
REGL	235.71	3.10
JINDAL POWER	228.70	3.01
ADHUNIK POWER LTD	181.25	2.39
SHREE CEMENT	141.26	1.86
DVC	140.93	1.86
MB POWER	140.30	1.85
MAHARASHTRA	134.92	1.78
J & K	108.47	1.43
IL&FS	104.98	1.38
AHEJ4L_SOLAR	98.09	1.29
JHABUA POWER_MP	98.06	1.29
RGPPL	75.41	0.99
AYANA_RP1	66.50	0.88
KSK MAHANADI	65.14	0.86
AHEJ4L_WIND	63.87	0.84
WEST BENGAL	63.59	0.84
RAJASTHAN	55.08	0.73
RENEWURJA_SLR	52.74	0.69
HIMACHAL PRADESH	51.46	0.68
AHEJ3L_SOLAR	51.14	0.67
RENEW_SLR	49.81	0.66
DELHI	48.91	0.64
AHEJOL_S_FT2	48.82	0.64
TATA_SLR	36.77	0.48
DIKCHU HEP	28.51	0.38
CLEANSR_SLR	27.70	0.36
UTTAR PRADESH	27.61	0.36
DAGACHU	22.02	0.29
THERMAL POWERTECH	20.53	0.27
SINGOLI BHATWARI HEP	20.48	0.27
GMR KAMALANGA	20.45	0.27
ODISHA	20.20	0.27
AHEJ2L_SOLAR	17.46	0.23
UTTARAKHAND	16.97	0.22
SORANG HEP	15.12	0.20
AHEJOL_W_FT2	13.64	0.18

THAR1_SLR	11.39	0.15
ACME_HEERGARH	10.60	0.14
ADANI_WIND	10.40	0.14
AHEJ3L_WIND	9.29	0.12
TASHIDENG HEP	8.50	0.11
OSTRO	8.13	0.11
JORETHANG	7.97	0.11
ONGC PALATANA	7.91	0.10
AHEJ2L_WIND	6.96	0.09
EMCO	6.12	0.08
ASEJTL_SLR	5.96	0.08
ANDHRA PRADESH	5.43	0.07
TELANGANA	5.11	0.07
BIHAR	4.95	0.07
RENEW_SR_SLR	4.94	0.07
ACBIL	3.96	0.05
LANKO_AMK	3.86	0.05
CONTINNUM PT	2.76	0.04
KARCHAM WANGTOO	2.13	0.03
KERALA	1.72	0.02
TAMIL NADU	1.56	0.02
MARUTI COAL	1.56	0.02
GUJARAT	1.15	0.02
AVAADASN_SLR	0.88	0.01
NEEPCO STATIONS	0.84	0.01
JHARKHAND	0.60	0.01
AD HYDRO	0.53	0.01
Total	7593.59	100.00
Volume Sold by top 5 Regional Entities	2411.18	31.75

Table-14: VOLUME OF ELECTRICITY PURCHASED THROUGH BILATERAL, APRIL 2022

Name of the Entity	Volume of Purchase (MUs)	% of Volume
TAMIL NADU	1443.07	19.01
GUJARAT	1071.20	14.11
MAHARASHTRA	707.94	9.32
TELANGANA	630.51	8.30
ANDHRA PRADESH	571.91	7.53
WEST BENGAL	416.23	5.48
ODISHA	368.75	4.86
CHHATTISGARH	329.34	4.34
DELHI	277.35	3.65
JHARKHAND	221.94	2.92
AMPS Hazira	205.99	2.71
HARYANA	201.56	2.65
KERALA	177.68	2.34
BANGLADESH	140.80	1.85
UTTARAKHAND	140.18	1.85
MP	108.42	1.43
UTTAR PRADESH	94.25	1.24
BIHAR	90.18	1.19
DADRA & NAGAR HAVELI	86.81	1.14
BALCO	79.87	1.05
HIMACHAL PRADESH	61.67	0.81
GOA	43.83	0.58
PUNJAB	42.43	0.56
KARNATAKA	40.59	0.53
MEGHALAYA	20.94	0.28
SIKKIM	15.06	0.20
DAMAN AND DIU	1.52	0.02
ASSAM	1.48	0.02
NEPAL(NVVN)	0.84	0.01
NCR ALLAHABAD	0.02	0.0002
TOTAL	7592.35	100.00
Volume Purchased by top 5 Regional Entities	4424.62	58.28

Table-15: VOLUME OF ELECTRICITY SOLD IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, APRIL 2022		
Name of the Entity	Volume of Sale (MUs)	% of Volume
UTTAR PRADESH	713.52	17.35
JINDAL STAGE-II	292.98	7.12
JITPL	277.80	6.75
SEMBCORP	256.13	6.23
JINDAL POWER	173.80	4.23
JAYPEE NIGRIE	158.93	3.86
HIMACHAL PRADESH	135.25	3.29
DELHI	125.36	3.05
TELANGANA	121.75	2.96
KARNATAKA	121.52	2.95
RAJASTHAN	105.40	2.56
MB POWER	100.68	2.45
RKM POWER	94.99	2.31
TEESTA STG3	94.48	2.30
ACBIL	94.45	2.30
MP	82.67	2.01
MAHARASHTRA	72.86	1.77
REGL	71.25	1.73
ASSAM	65.99	1.60
TAMIL NADU	63.13	1.53
RPREL	60.46	1.47
KERALA	55.40	1.35
ESSAR POWER	45.56	1.11
AD HYDRO	44.03	1.07
ODISHA	43.99	1.07
DB POWER	43.78	1.06
MARUTI COAL	43.55	1.06
ANDHRA PRADESH	37.70	0.92
AHEJ4L_SOLAR	31.57	0.77
ADHUNIK POWER LTD	30.68	0.75
CHHATTISGARH	30.55	0.74
RENEW_SR_SLR	28.42	0.69
BIHAR	26.49	0.64
GUJARAT	24.53	0.60
SAINJ HEP	23.33	0.57
KARCHAM WANGTOO	22.15	0.54
GMR KAMALANGA	21.11	0.51
J & K	18.94	0.46
CHANDIGARH	18.66	0.45
SHREE CEMENT	17.17	0.42
AHEJOL_S_FTG2	16.02	0.39
AHEJ3L_SOLAR	15.49	0.38
ONGC PALATANA	14.84	0.36
MIZORAM	12.79	0.31
DVC	11.73	0.29
ARUNACHAL PRADESH	11.64	0.28
SINGOLI BHATWARI HEP	11.27	0.27
SIKKIM	10.84	0.26

TASHIDENG HEP	9.79	0.24
EMCO	9.10	0.22
JORETHANG	8.76	0.21
RGPPL_IR	7.51	0.18
WEST BENGAL	7.38	0.18
NEEPCO STATIONS	6.89	0.17
SORANG HEP	6.70	0.16
NLC	6.48	0.16
GOA	6.34	0.15
AHEJ2L_SOLAR	6.07	0.15
DIKCHU HEP	5.38	0.13
NAGALAND	4.70	0.11
ADANI GREEN	4.28	0.10
CHUZACHEN HEP	3.99	0.10
IL&FS	3.58	0.09
JHABUA POWER_MP	3.37	0.08
NTPC STATIONS-NER	3.26	0.08
HARYANA	2.98	0.07
RENEWJH_SLR	2.08	0.05
DHARIWAL POWER	1.97	0.05
LANCO BUDHIL	1.89	0.05
RENEWURJA_SLR	1.67	0.04
NTPC STATIONS-ER	0.96	0.02
TRIPURA	0.95	0.02
JHARKHAND	0.92	0.02
MEGHALAYA	0.61	0.01
ADANI_WIND	0.30	0.01
OSTRO	0.14	0.003
Total	4113.65	100.00
Volume sold by top 5 Regional Entities	1714.23	41.67

Table-16: VOLUME OF ELECTRICITY PURCHASED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, APRIL 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
TELANGANA	702.35	17.07
TAMIL NADU	625.99	15.22
WEST BENGAL	497.26	12.09
ANDHRA PRADESH	409.05	9.94
HARYANA	334.03	8.12
MAHARASHTRA	282.24	6.86
PUNJAB	159.71	3.88
UTTARAKHAND	141.20	3.43
GUJARAT	130.35	3.17
NEPAL(NVVN)	99.01	2.41
CHHATTISGARH	98.71	2.40
AMPS Hazira	85.13	2.07
UTTAR PRADESH	83.77	2.04
KARNATAKA	70.42	1.71
RAJASTHAN	65.58	1.59
JHARKHAND	46.90	1.14
BIHAR	39.44	0.96
ASSAM	33.82	0.82
HIMACHAL PRADESH	31.73	0.77
DELHI	31.38	0.76
MP	27.21	0.66
DADRA & NAGAR HAVELI	23.19	0.56
ODISHA	21.22	0.52
J & K	15.98	0.39
GOA	15.34	0.37
DAMAN AND DIU	14.37	0.35
RAIL	8.66	0.21
KERALA	8.50	0.21
TRIPURA	6.64	0.16
BALCO	2.04	0.05
MANIPUR	1.02	0.02
NEP	0.87	0.02
MEGHALAYA	0.25	0.01
CHANDIGARH	0.17	0.004
ARUNACHAL PRADESH	0.12	0.003
TOTAL	4113.65	100.00
Volume purchased by top 5 Regional Entities	2568.68	62.44

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

Name of the Entity	Volume of Sale (MUs)	% of Volume
KARNATAKA	89.93	41.88
AHEJ4L_SOLAR	20.63	9.61
J & K	12.34	5.74
AHEJOL_S_FTG2	11.51	5.36
AZURE_MAPLE_SLR	11.19	5.21
AHEJ3L_SOLAR	9.75	4.54
RENEWJH_SLR	9.28	4.32
MP	8.00	3.72
RENEWURJA_SLR	6.98	3.25
AHEJ2L_SOLAR	6.91	3.22
ANDHRA PRADESH	6.32	2.94
TELANGANA	5.74	2.67
NTPC STATIONS-SR	4.90	2.28
ADANI GREEN	3.05	1.42
MAHARASHTRA	2.65	1.23
OSTRO	2.26	1.05
RAJASTHAN	1.56	0.73
ADANI_WIND	0.94	0.44
HIMACHAL PRADESH	0.59	0.28
KERALA	0.20	0.09
Total	214.73	100.00
Volume sold by top 5 Regional Entities	145.60	67.80

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

Name of the Entity	Volume of Purchase (MUs)	% of Volume
PUNJAB	61.78	28.77
MAHARASHTRA	30.34	14.13
GUJARAT	23.82	11.09
JHARKHAND	21.85	10.18
WEST BENGAL	16.75	7.80
RAIL	13.25	6.17
UTTAR PRADESH	12.67	5.90
KARNATAKA	12.07	5.62
DADRA & NAGAR HAVELI	4.55	2.12
DELHI	4.42	2.06
ASSAM	4.21	1.96
ODISHA	3.19	1.49
HIMACHAL PRADESH	1.72	0.80
MEGHALAYA	1.17	0.55
KERALA	0.70	0.33
BALCO	0.69	0.32
TELANGANA	0.56	0.26
DAMAN AND DIU	0.53	0.25
TAMIL NADU	0.24	0.11
ANDHRA PRADESH	0.21	0.10
TOTAL	214.73	100.00
Volume purchased by top 5 Regional Entities	154.54	71.97

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

Name of the Entity	Volume of Sale (MUs)	% of Volume
BIHAR	306.12	17.96
DELHI	164.74	9.67
WEST BENGAL	109.06	6.40
KARNATAKA	107.29	6.30
RAJASTHAN	92.08	5.40
ASSAM	86.77	5.09
KERALA	84.92	4.98
TELANGANA	65.67	3.85
HIMACHAL PRADESH	64.51	3.78
CHHATTISGARH	50.69	2.97
ANDHRA PRADESH	50.42	2.96
UTTAR PRADESH	50.10	2.94
JINDAL STAGE-II	43.67	2.56
MP	42.06	2.47
ODISHA	39.69	2.33
DVC	24.77	1.45
MB POWER	24.23	1.42
DIKCHU HEP	22.63	1.33
SEMBCORP	18.83	1.11
TRIPURA	18.56	1.09
RKM POWER	16.50	0.97
TEESTA STG3	15.29	0.90
MAHARASHTRA	13.49	0.79
EMCO	13.25	0.78
MEGHALAYA	13.24	0.78
NEEPCO STATIONS	12.13	0.71
MANIPUR	12.07	0.71
JINDAL POWER	12.06	0.71
NTPC STATIONS-NER	11.02	0.65
SIKKIM	8.98	0.53
ESSAR POWER	8.73	0.51
TAMIL NADU	7.57	0.44
GUJARAT	7.29	0.43
NAGALAND	5.84	0.34
RPREL	5.72	0.34
HARYANA	5.50	0.32
ARUNACHAL PRADESH	5.26	0.31
JITPL	5.20	0.31
DB POWER	5.01	0.29
JORETHANG	4.73	0.28
JHARKHAND	4.29	0.25
NLC	3.56	0.21
PUNJAB	3.25	0.19
SORANG HEP	2.91	0.17
J & K	2.74	0.16
SAINJ HEP	2.61	0.15
ACBIL	2.27	0.13
OSTRO	2.14	0.13

SINGOLI BHATWARI HEP	1.99	0.12
TASHIDENG HEP	1.91	0.11
ADHUNIK POWER LTD	1.65	0.10
GOA	1.62	0.09
KARCHAM WANGTOO	1.58	0.09
MARUTI COAL	1.58	0.09
SHREE CEMENT	1.58	0.09
RENEWJH_SLR	1.43	0.08
UTTARAKHAND	1.33	0.08
JHABUA POWER_MP	1.28	0.08
CHUZACHEN HEP	1.26	0.07
REGL	0.89	0.05
ONGC PALATANA	0.86	0.05
RENEWURJA_SLR	0.85	0.05
AD HYDRO	0.62	0.04
CHANDIGARH	0.57	0.03
DADRA & NAGAR HAVELI	0.51	0.03
IL&FS	0.45	0.03
AHEJOL_S_FTG2	0.39	0.02
RGPPL_IR	0.33	0.02
DAMAN AND DIU	0.32	0.02
RENEW_SR_SLR	0.30	0.02
NTPC STATIONS-SR	0.26	0.02
LANCO BUDHIL	0.23	0.01
ADANI_WIND	0.23	0.01
RGPPL_Others	0.20	0.01
AHEJ3L_SOLAR	0.20	0.01
AHEJ4L_SOLAR	0.19	0.01
SASAN UMPP	0.15	0.01
CONTINNUM PT	0.05	0.003
GMR KAMALANGA	0.03	0.002
ADANI GREEN	0.03	0.002
AYANA_RP1	0.02	0.001
AHEJ2L_SOLAR	0.01	0.0003
Total	1704.38	100.00
Volume sold by top 5 Regional Entities	779.29	45.72

Table-20: VOLUME OF ELECTRICITY PURCHASED IN REAL TIME MARKET THROUGH POWER EXCHANGES, APRIL 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
TELANGANA	242.78	14.24
MAHARASHTRA	210.52	12.35
TAMIL NADU	197.95	11.61
HARYANA	186.30	10.93
WEST BENGAL	119.46	7.01
PUNJAB	112.16	6.58
ANDHRA PRADESH	110.54	6.49
RAJASTHAN	72.56	4.26
GUJARAT	64.37	3.78
UTTAR PRADESH	45.76	2.68
HIMACHAL PRADESH	41.29	2.42
CHHATTISGARH	36.18	2.12
UTTARAKHAND	32.31	1.90
ODISHA	32.16	1.89
MP	28.43	1.67
JHARKHAND	25.48	1.49
ASSAM	19.71	1.16
DELHI	19.48	1.14
BIHAR	18.62	1.09
KARNATAKA	17.54	1.03
J & K	12.24	0.72
AMPS Hazira	12.20	0.72
DADRA & NAGAR HAVELI	7.67	0.45
KERALA	7.09	0.42
RAIL	5.44	0.32
REGL	4.39	0.26
BALCO	3.66	0.21
DAMAN AND DIU	3.23	0.19
TRIPURA	3.22	0.19
DVC	2.45	0.14
GOA	2.23	0.13
MANIPUR	1.62	0.09
SIKKIM	1.51	0.09
ARUNACHAL PRADESH	1.50	0.09
MEGHALAYA	1.13	0.07
JINDAL STAGE-II	0.84	0.05
MARUTI COAL	0.18	0.01
CHANDIGARH	0.16	0.01
NAGALAND	0.007	0.0004
TOTAL	1704.38	100.00
Volume purchased by top 5 Regional Entities	957.01	56.15

Table-21: VOLUME OF ELECTRICITY UNDER DRAWAL (EXPORTED) THROUGH DSM, APRIL 2022		
Name of the Entity	Volume of Under drawal (MUs)	% of Volume
NHPC STATIONS	128.90	5.83
GUJARAT	111.89	5.06
KERALA	106.51	4.82
NTPC STATIONS-WR	87.44	3.96
HARYANA	84.89	3.84
UTTAR PRADESH	74.96	3.39
WEST BENGAL	73.04	3.30
ODISHA	70.50	3.19
PUNJAB	67.80	3.07
KARNATAKA	67.08	3.04
RAJASTHAN	64.62	2.92
PONDICHERRY	55.77	2.52
SASAN UMPP	55.22	2.50
DELHI	49.60	2.24
MP	44.44	2.01
MAHARASHTRA	42.11	1.91
J & K	41.55	1.88
NTPC STATIONS-NR	41.52	1.88
ANDHRA PRADESH	41.02	1.86
CHUKHA HEP	37.30	1.69
BIHAR	35.36	1.60
JHARKHAND	35.25	1.60
ESSAR POWER	32.27	1.46
NEPAL(NVVN)	29.58	1.34
TALA HEP	29.42	1.33
NTPC STATIONS-ER	29.07	1.32
NTPC STATIONS-SR	26.09	1.18
DVC	23.81	1.08
TAMIL NADU	23.79	1.08
ASSAM	21.33	0.97
CHHATTISGARH	20.48	0.93
NJPC	17.84	0.81
HIMACHAL PRADESH	17.34	0.78
AGEMPL BHUJ	16.93	0.77
GIWEL_BHUJ	15.71	0.71
AZURE43_SLR	15.41	0.70
AHEJ4L_SOLAR	15.00	0.68
UTTARAKHAND	14.06	0.64
GOA	13.62	0.62
BBMB	13.37	0.61
KARCHAM WANGTOO	11.55	0.52
KURICHU HEP	11.15	0.50
NLC	10.78	0.49
OSTRO	10.10	0.46
RENEW_BHUJ	8.92	0.40
RAMPUR HEP	8.80	0.40
ALFANAR_BHUJ	8.24	0.37
LANKO_AMK	8.03	0.36
NPGC	7.53	0.34
TRIPURA	7.51	0.34
RENEW_BHACHAU	7.48	0.34
ADANIHB_SLR	7.43	0.34
CLEAN_SLR	7.41	0.34
MEGHALAYA	7.28	0.33
AHEJ3L_SOLAR	6.39	0.29
CHANDIGARH	6.35	0.29
TEESTA HEP	6.34	0.29
AVADARJHN_SLR	6.33	0.29
JAYPEE NIGRIE	5.70	0.26
SIKKIM	5.68	0.26
INOX_BHUJ	5.60	0.25
AHEJ2L_SOLAR	5.51	0.25
RPREL	5.50	0.25
AVAADASN_SLR	5.34	0.24
ARUNACHAL PRADESH	5.23	0.24
DADRA & NAGAR HAVELI	5.03	0.23
MIZORAM	4.87	0.22
RKM POWER	4.86	0.22

BETAM_TCN	4.80	0.22
GMR KAMALANGA	4.41	0.20
MANIPUR	4.32	0.20
NEEPCO STATIONS	4.32	0.20
ACBIL	4.28	0.19
KOTESHWAR	4.18	0.19
ACME_SLR	4.12	0.19
BRBCL,NABINAGAR	4.10	0.19
JINDAL POWER	4.04	0.18
ARERJL_SLR	4.02	0.18
AZURE41_SLR	3.89	0.18
IGSTPS	3.89	0.18
MAITHON POWER LTD	3.86	0.17
BALCO	3.71	0.17
DAMAN AND DIU	3.64	0.16
AYANA_RP1	3.63	0.16
JINDAL STAGE-II	3.55	0.16
GIWEL_TCN	3.48	0.16
JITPL	3.36	0.15
RENEWURJA_SLR	3.33	0.15
CGPL	3.28	0.15
BARC	3.22	0.15
RENEWSW_SLR	3.08	0.14
KSK MAHANADI	3.08	0.14
EDEN_SLR	3.07	0.14
ORANGE_TCN	3.02	0.14
DB POWER	2.97	0.13
NAGALAND	2.88	0.13
TEHRI	2.83	0.13
TEESTA STG3	2.80	0.13
SBG_NPK	2.77	0.13
RENEWSB	2.71	0.12
NTPC_ANTP	2.69	0.12
MRPL	2.67	0.12
MB POWER	2.67	0.12
CHUZACHEN HEP	2.61	0.12
NTPC STATIONS-NER	2.61	0.12
SBSR_SLR	2.59	0.12
DIKCHU HEP	2.52	0.11
MYTRAH_TCN	2.46	0.11
AD HYDRO	2.38	0.11
RANGANADI HEP	2.25	0.10
NTPL	2.05	0.09
JHABUA POWER_MP	1.99	0.09
SBG_PVGD	1.95	0.09
NSPCL	1.85	0.08
RANGIT HEP	1.82	0.08
ONGC PALATANA	1.82	0.08
RENEWJH_SLR	1.81	0.08
ADY1_PVGD	1.72	0.08
ADY2_PVGD	1.72	0.08
ADY13_PVGD	1.72	0.08
ADY10_PVGD	1.72	0.08
RENEW_SLR_BKN	1.63	0.07
RONGNICHU HEP	1.60	0.07
ADY3_PVGD	1.59	0.07
ADY6_PVGD	1.59	0.07
EMCO	1.59	0.07
ADHUNIK POWER LTD	1.58	0.07
TELANGANA	1.43	0.06
RENEW_SR_SLR	1.42	0.06
BANGLADESH	1.35	0.06
TATA_PVGD	1.33	0.06
NAPP	1.27	0.06
SPRNG_NPKUNTA	1.27	0.06
FORTUM2_PVGD	1.25	0.06
AYANA_NPKUNTA	1.23	0.06
TATA_ANTP	1.19	0.05
AZURE34_SLR	1.17	0.05
RAP B	1.15	0.05

ABSP_ANTP	1.07	0.05
ACME_RUMS	1.06	0.05
FORTUM1_PVGD	1.05	0.05
SEMBCORP	1.04	0.05
AHSP_ANTP	1.03	0.05
SPRING_PUGALUR	1.01	0.05
AKSP_ANTP	1.00	0.05
NETCL VALLUR	0.98	0.04
ARINSUM_RUMS	0.96	0.04
TATA_SLR	0.95	0.04
CLEANSR_SLR	0.88	0.04
SORANG HEP	0.83	0.04
ESPL_RADHANESDA	0.80	0.04
MAHINDRA_RUMS	0.80	0.04
OSTRO Hiriyur	0.79	0.04
FRV_NPK	0.79	0.04
LANCO BUDHIL	0.78	0.04
SB6_POKARAN	0.77	0.03
FRV_ANTP	0.75	0.03
SHREE CEMENT	0.72	0.03
MTPS II	0.72	0.03
SAINJ HEP	0.70	0.03
AZURE_ANTP	0.69	0.03
PARE HEP	0.67	0.03
AZURE_PVGD	0.67	0.03
AZURE_SLR	0.65	0.03
PARAM_PVGD	0.64	0.03
SB_SLR	0.64	0.03
MANGDECHU HEP	0.59	0.03
LOKTAK	0.58	0.03
THAR1_SLR	0.56	0.03
AVAADA1_PVGD	0.51	0.02
TPREL_RADHANESDA	0.51	0.02
THERMAL POWERTECH	0.50	0.02
RGPPL	0.49	0.02
RENEW_SLR	0.48	0.02
RAIL	0.44	0.02
GIPCL_RADHANESDA	0.43	0.02
AZURE_MAPLE_SLR	0.40	0.02
AVAADA2_PVGD	0.37	0.02
RAP C	0.37	0.02
COASTGEN	0.32	0.01
ARS_PVGD	0.28	0.01
RENEW_PVGD	0.28	0.01
HVDC RAIGARH	0.26	0.01
AKS_PVGD	0.21	0.01
JORETHANG	0.21	0.01
SINGOLI BHATWARI HEP	0.21	0.01
DHARIWAL POWER	0.21	0.01
TASHIDENG HEP	0.21	0.01
YARROW_PVGD	0.20	0.01
ASEJTL_SLR	0.20	0.01
DOYANG HEP	0.18	0.01
NFF	0.16	0.01
IL&FS	0.13	0.01
KREDL_PVGD	0.13	0.01
VINDHYACHAL HVDC	0.10	0.00
ACME_HEERGARH	0.09	0.00
DAGACHU	0.08	0.00
HVDC ALPD	0.07	0.00
DCPP	0.05	0.002
NEP	0.04	0.002
HVDC CHAMPA	0.02	0.001
TRN ENERGY	0.02	0.001
BHADRAVATHI HVDC	0.003	0.0001
KAPP 3&4	0.0005	0.00002
Total	2210.10	100.00
Volume Exported by top 5 Regional Entities	519.64	23.51

Table-22: VOLUME OF ELECTRICITY OVER DRAWAL (IMPORTED) THROUGH DSM, APRIL 2022		
Name of the Entity	Volume of Over drawal (MUs)	% of Volume
NTPC STATIONS-WR	140.24	6.82
MAHARASHTRA	117.42	5.71
NTPC STATIONS-NR	103.14	5.01
MP	90.05	4.38
PONDICHERRY	87.50	4.25
ANDHRA PRADESH	83.85	4.08
UTTAR PRADESH	81.14	3.94
RAJASTHAN	75.34	3.66
J & K	59.66	2.90
MANGDECHU HEP	49.50	2.41
NTPC STATIONS-ER	44.68	2.17
KERALA	41.13	2.00
NTPC STATIONS-SR	40.76	1.98
KARNATAKA	39.52	1.92
CHHATTISGARH	35.98	1.75
UTTARAKHAND	35.84	1.74
GUJARAT	35.83	1.74
HARYANA	35.08	1.71
BIHAR	32.45	1.58
NLC	30.58	1.49
HIMACHAL PRADESH	26.42	1.28
NEP	26.31	1.28
PUNJAB	24.98	1.21
WEST BENGAL	23.48	1.14
RAIL	23.41	1.14
IGSTPS	22.56	1.10
ODISHA	22.35	1.09
DVC	20.11	0.98
TAMIL NADU	19.66	0.96
AHEJ4L_SOLAR	19.20	0.93
ESSAR POWER	18.64	0.91
THERMAL POWERTECH	17.57	0.85
NETCL VALLUR	15.98	0.78
GOA	14.74	0.72
SEBPCORP	14.70	0.71
CGPL	13.95	0.68
DADRA & NAGAR HAVELI	11.38	0.55
AGEMPL BHUJ	11.36	0.55
ASSAM	10.59	0.51
TALA HEP	10.49	0.51
RKM POWER	10.34	0.50
GIWEL_BHUJ	10.26	0.50
GIWEL_TCN	10.09	0.49
MYTRAH_TCN	9.88	0.48
DELHI	9.83	0.48
ORANGE_TCN	9.29	0.45
JHARKHAND	8.82	0.43
NHPC STATIONS	8.64	0.42
RENEW_BHUJ	8.57	0.42
TELANGANA	8.56	0.42
RENEW_BHACHAU	8.11	0.39
IL&FS	7.71	0.37
BRBCL,NABINAGAR	7.39	0.36
DAMAN AND DIU	7.29	0.35
RGPPL	7.07	0.34
OSTRO	6.82	0.33
DAGACHU	6.30	0.31
KAPP 3&4	6.08	0.30
JINDAL STAGE-II	6.02	0.29
NTPC STATIONS-NER	5.92	0.29
ARUNACHAL PRADESH	5.90	0.29
CHANDIGARH	5.81	0.28
ALFANAR_BHUJ	5.77	0.28
MB POWER	5.69	0.28
BALCO	5.48	0.27
INOX_BHUJ	5.21	0.25
NTPL	5.21	0.25
COASTGEN	5.13	0.25
BETAM_TCN	5.10	0.25

ADHUNIK POWER LTD	5.02	0.24
SB_SLR	4.99	0.24
AHEJ3L_SOLAR	4.98	0.24
NPGC	4.98	0.24
TRIPURA	4.84	0.24
NAPP	4.79	0.23
TEESTA STG3	4.72	0.23
JITPL	4.70	0.23
SB6_POKARAN	4.61	0.22
AHEJ2L_SOLAR	4.42	0.21
MAHINDRA_RUMS	4.41	0.21
BBMB	4.34	0.21
ARINSUM_RUMS	4.29	0.21
KARCHAM WANGTOO	4.06	0.20
MAITHON POWER LTD	3.66	0.18
JHABUA POWER_MP	3.58	0.17
RAP C	3.54	0.17
BANGLADESH	3.50	0.17
AYANA_RP1	3.46	0.17
ACME_RUMS	3.37	0.16
TATA_SLR	3.37	0.16
TEHRI	3.15	0.15
RPREL	3.05	0.15
AVADARJHN_SLR	3.00	0.15
ADANIHB_SLR	2.94	0.14
TASHIDENG HEP	2.93	0.14
NSPCL	2.90	0.14
RAP B	2.78	0.14
JINDAL POWER	2.71	0.13
SIKKIM	2.68	0.13
CLEANSR_SLR	2.56	0.12
AZURE41_SLR	2.42	0.12
RENEW_SR_SLR	2.41	0.12
SBG_PVGD	2.37	0.12
SBG_NPK	2.34	0.11
NTPC_ANTP	2.26	0.11
MANIPUR	2.25	0.11
RENEWURJA_SLR	2.24	0.11
JORETHANG	2.23	0.11
MEGHALAYA	2.22	0.11
DB POWER	2.15	0.10
ACBIL	2.12	0.10
RENEWSB	2.11	0.10
KURICHU HEP	2.05	0.10
SHREE CEMENT	2.03	0.10
AVAADASN_SLR	1.92	0.09
OSTRO Hiriyur	1.92	0.09
RENEW_SLR_BKN	1.88	0.09
ESPL_RADHANESDA	1.85	0.09
ACME_HEERGARH	1.80	0.09
AZURE43_SLR	1.78	0.09
SKS POWER	1.67	0.08
MTPS II	1.66	0.08
SPRING_PUGALUR	1.66	0.08
TRN ENERGY	1.51	0.07
ACME_SLR	1.46	0.07
JAYPEE NIGRIE	1.44	0.07
CLEAN_SLR	1.43	0.07
EMCO	1.37	0.07
DIKCHU HEP	1.37	0.07
NEEPCO STATIONS	1.36	0.07
SBSR_SLR	1.32	0.06
NEPAL(NVVN)	1.30	0.06
ASEJTL_SLR	1.29	0.06
AZURE_SLR	1.28	0.06
AZURE34_SLR	1.26	0.06
NJPC	1.23	0.06
DGEN MEGA POWER	1.23	0.06
MRPL	1.22	0.06
AD HYDRO	1.17	0.06
SORANG HEP	1.11	0.05

AZURE_MAPLE_SLR	1.07	0.05
RENEWJH_SLR	1.04	0.05
CHUKHA HEP	1.02	0.05
EDEN_SLR	0.99	0.05
RENEWSW_SLR	0.95	0.05
GIPCL_RADHANESDA	0.94	0.05
TPREL_RADHANESDA	0.93	0.05
CHUZACHEN HEP	0.93	0.04
FORTUM1_PVGD	0.90	0.04
RONGNICHU HEP	0.88	0.04
TATA_PVGD	0.88	0.04
NAGALAND	0.86	0.04
RANGANADI HEP	0.85	0.04
TATA_ANTP	0.84	0.04
ARERJL_SLR	0.81	0.04
SASAN UMPP	0.75	0.04
THAR1_SLR	0.67	0.03
SINGOLI BHATWARI HEP	0.63	0.03
SAINJ HEP	0.62	0.03
MIZORAM	0.53	0.03
MEENAKSHI	0.53	0.03
RENEW_SLR	0.52	0.03
ADY3_PVGD	0.48	0.02
ADY6_PVGD	0.48	0.02
RANGIT HEP	0.45	0.02
LANCO BUDHIL	0.44	0.02
LANKO KONDAPALLI	0.43	0.02
AYANA_NPKUNTA	0.42	0.02
DHARIWAL POWER	0.39	0.02
SIMHAPURI	0.37	0.02
AHSP_ANTP	0.36	0.02
ABSP_ANTP	0.34	0.02
AKSP_ANTP	0.34	0.02
HVDC PUS	0.33	0.02
HVDC CHAMPA	0.32	0.02
FRV_NPK	0.31	0.02
AVAADA1_PVGD	0.31	0.02
AVAADA2_PVGD	0.30	0.01
KSK MAHANADI	0.30	0.01
ADY1_PVGD	0.30	0.01
ADY2_PVGD	0.30	0.01
ADY13_PVGD	0.30	0.01
ADY10_PVGD	0.30	0.01
FRV_ANTP	0.29	0.01
SPRNG_NPKUNTA	0.27	0.01
LOKTAK	0.25	0.01
KOTESHWAR	0.24	0.01
DCPP	0.22	0.01
PARAM_PVGD	0.21	0.01
RAMPUR HEP	0.21	0.01
AZURE_ANTP	0.20	0.01
GMR KAMALANGA	0.19	0.01
LANKO_AMK	0.17	0.01
KREDL_PVGD	0.17	0.01
FORTUM2_PVGD	0.15	0.01
DOYANG HEP	0.15	0.01
PARE HEP	0.13	0.01
BHADRAVATHI HVDC	0.12	0.01
RENEW_PVGD	0.12	0.01
ONGC PALATANA	0.12	0.006
YARROW_PVGD	0.10	0.005
AZURE_PVGD	0.09	0.005
NFF	0.09	0.004
AKS_PVGD	0.09	0.004
ARS_PVGD	0.05	0.003
HVDC RAIGARH	0.05	0.002
TEESTA HEP	0.05	0.002
HVDC ALPD	0.01	0.001
VINDHYACHAL HVDC	0.0005	0.00002
TOTAL	2057.33	100.00
Volume Imported by top 5 Regional Entities	538.35	26.17

Table-23: TOTAL VOLUME OF NET SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY-WISE), APRIL 2022		
S. No.	Name of the Entity	Total volume of net short-term transactions of electricity*
1	TAMIL NADU	2190.85
2	TELANGANA	1385.08
3	GUJARAT	1180.71
4	MAHARASHTRA	1082.43
5	ANDHRA PRADESH	1034.67
6	WEST BENGAL	820.10
7	HARYANA	663.59
8	CHHATTISGARH	398.48
9	UTTARAKHAND	317.17
10	AMPS Hazira	303.32
11	JHARKHAND	283.93
12	ODISHA	273.29
13	BANGLADESH	142.95
14	DADRA & NAGAR HAVELI	128.06
15	BALCO	88.04
16	NEPAL(NVVN)	71.57
17	NTPC STATIONS-NR	61.62
18	GOA	54.56
19	NTPC STATIONS-WR	52.79
20	RAIL	50.32
21	MANGDECHU HEP	48.91
22	PONDICHERRY	31.73
23	NEP	27.13
24	DAMAN AND DIU	22.98
25	IGSTPS	18.67
26	NETCL VALLUR	15.00
27	NTPC STATIONS-ER	14.66
28	CGPL	10.67
29	NLC	9.76
30	NTPC STATIONS-SR	9.52
31	MYTRAH_TCN	7.42
32	GIWEL_TCN	6.61
33	ORANGE_TCN	6.27
34	KAPP 3&4	6.08
35	MEGHALAYA	4.56
36	SB_SLR	4.35
37	SB6_POKARAN	3.83
38	MAHINDRA_RUMS	3.62
39	NAPP	3.52
40	ARINSUM_RUMS	3.33
41	BRBCL,NABINAGAR	3.29
42	RAP C	3.17
43	NTPL	3.16
44	ACME_RUMS	2.31
45	SKS POWER	1.67
46	RAP B	1.63
47	TRN ENERGY	1.49
48	DGEN MEGA POWER	1.23
49	OSTRO Hiriyur	1.13
50	NSPCL	1.06
51	ESPL_RADHANESDA	1.05
52	MTPS II	0.94
53	SPRING_PUGALUR	0.65
54	AZURE_SLR	0.63
55	RENEW_BHACHAU	0.62
56	MEENAKSHI	0.53
57	GIPCL_RADHANESDA	0.51
58	LANKO KONDAPALLI	0.43
59	TPREL_RADHANESDA	0.42
60	SBG_PVGD	0.42
61	SIMHAPURI	0.37
62	HVDC PUS	0.33

63	TEHRI	0.32
64	BETAM_TCN	0.30
65	HVDC CHAMPA	0.30
66	RENEW_SLR_BKN	0.25
67	DCPP	0.17
68	BHADRAVATHI HVDC	0.12
69	AZURE34_SLR	0.09
70	KREDL_PVGD	0.03
71	NCR ALLAHABAD	0.02
72	DOYANG HEP	-0.02
73	AVAADA2_PVGD	-0.06
74	HVDC ALPD	-0.06
75	NFF	-0.07
76	VINDHYACHAL HVDC	-0.10
77	YARROW_PVGD	-0.10
78	AKS_PVGD	-0.13
79	FORTUM1_PVGD	-0.14
80	RENEW_PVGD	-0.16
81	MAITHON POWER LTD	-0.20
82	AVAADA1_PVGD	-0.20
83	RGPPL_Others	-0.20
84	HVDC RAIGARH	-0.21
85	ARS_PVGD	-0.23
86	LOKTAK	-0.33
87	RENEW_BHUJ	-0.35
88	TATA_ANTP	-0.35
89	INOX_BHUJ	-0.40
90	NTPC_ANTP	-0.42
91	PARAM_PVGD	-0.43
92	SBG_NPK	-0.43
93	TATA_PVGD	-0.45
94	FRV_ANTP	-0.46
95	FRV_NPK	-0.48
96	AZURE_ANTP	-0.49
97	PARE HEP	-0.54
98	AZURE_PVGD	-0.57
99	RENEWSB	-0.60
100	AKSP_ANTP	-0.66
101	AHSP_ANTP	-0.68
102	RONGNICHU HEP	-0.72
103	ABSP_ANTP	-0.73
104	AYANA_NPKUNTA	-0.81
105	SPRNG_NPKUNTA	-1.00
106	FORTUM2_PVGD	-1.10
107	ADY3_PVGD	-1.12
108	ADY6_PVGD	-1.12
109	SBSR_SLR	-1.26
110	RANGIT HEP	-1.37
111	RANGANADI HEP	-1.40
112	ADY1_PVGD	-1.42
113	ADY2_PVGD	-1.42
114	ADY13_PVGD	-1.42
115	ADY10_PVGD	-1.42
116	MRPL	-1.45
117	AZURE41_SLR	-1.47
118	DHARIWAL POWER	-1.79
119	EDEN_SLR	-2.08
120	RENEWSW_SLR	-2.13
121	LANCO BUDHIL	-2.47
122	ALFANAR_BHUJ	-2.47
123	NPGC	-2.54
124	ACME_SLR	-2.66
125	CONTINNUM PT	-2.81
126	ARERJL_SLR	-3.21
127	BARC	-3.22
128	AVADARJHN_SLR	-3.33

129	THERMAL POWERTECH	-3.46
130	KOTESHWAR	-3.94
131	AVAADASN_SLR	-4.29
132	ADANIHB_SLR	-4.50
133	ASEJTL_SLR	-4.87
134	GIWEL_BHUJ	-5.45
135	AGEMPL_BHUJ	-5.57
136	CLEAN_SLR	-5.98
137	SIKKIM	-6.26
138	TEESTA HEP	-6.29
139	CHUZACHEN HEP	-6.93
140	AHEJ2L_WIND	-6.96
141	ADANI GREEN	-7.36
142	RGPPL_IR	-7.84
143	RAMPUR HEP	-8.59
144	ACME_HEERGARH	-8.88
145	BBMB	-9.04
146	KURICHU HEP	-9.10
147	AHEJ3L_WIND	-9.29
148	AZURE_MAPLE_SLR	-10.53
149	NTPC STATIONS-NER	-10.96
150	THARI_SLR	-11.28
151	MANIPUR	-11.50
152	LANKO_AMK	-11.72
153	ADANI_WIND	-11.87
154	TRIPURA	-12.31
155	NAGALAND	-12.56
156	RENEWJH_SLR	-13.56
157	AZURE43_SLR	-13.63
158	AHEJOL_W_FTG2	-13.64
159	KERALA	-13.65
160	ARUNACHAL PRADESH	-14.59
161	DAGACHU	-15.79
162	OSTRO	-15.95
163	NJPC	-16.61
164	MIZORAM	-17.13
165	TASHIDENG HEP	-17.47
166	TALA HEP	-18.94
167	JORETHANG	-19.44
168	CHANDIGARH	-19.44
169	NEEPCO STATIONS	-22.81
170	SORANG HEP	-24.45
171	ONGC PALATANA	-25.31
172	CLEANSR_SLR	-26.02
173	SAINJ HEP	-26.02
174	EMCO	-28.68
175	AHEJ2L_SOLAR	-31.54
176	RENEW_SR_SLR	-32.67
177	SINGOLI BHATWARI HEP	-33.33
178	KARCHAM WANGTOO	-33.35
179	TATA_SLR	-34.35
180	CHUKHA HEP	-36.28
181	GMR KAMALANGA	-45.82
182	DELHI	-46.13
183	AD HYDRO	-46.38
184	MARUTI COAL	-46.51
185	RENEW_SLR	-49.78
186	SASAN UMPP	-54.63
187	DIKCHU HEP	-57.68
188	RENEWURJA_SLR	-63.32
189	AHEJ4L_WIND	-63.87
190	AYANA_RP1	-66.69
191	KSK MAHANADI	-67.91
192	RGPPL	-68.82
193	AHEJOL_S_FTG2	-76.74
194	AHEJ3L_SOLAR	-77.99

195	J & K	-96.15
196	JHABUA POWER_MP	-101.13
197	IL&FS	-101.42
198	ACBIL	-102.83
199	ASSAM	-104.28
200	RAJASTHAN	-105.27
201	HIMACHAL PRADESH	-106.30
202	NHPC STATIONS	-120.26
203	AHEJ4L_SOLAR	-146.28
204	SHREE CEMENT	-158.70
205	DVC	-178.68
206	BIHAR	-192.23
207	PUNJAB	-201.45
208	ADHUNIK POWER LTD	-210.14
209	MB POWER	-262.19
210	COASTGEN	-273.14
211	MP	-284.04
212	REGL	-303.46
213	TEESTA STG3	-346.84
214	DB POWER	-389.34
215	JINDAL POWER	-415.90
216	JAYPEE NIGRIE	-451.41
217	RKM POWER	-473.86
218	ESSAR POWER	-484.77
219	UTTAR PRADESH	-548.62
220	JINDAL STAGE-II	-571.30
221	RPREL	-616.03
222	JITPL	-624.61
223	SEBICORP	-686.46
224	KARNATAKA	-696.00
* 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, APRIL 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)	4116.36	0.00	214.73	0.00	1704.84	0.10
B	Actual Cleared Volume and hence scheduled (MUs)	4113.65	0.00	214.73	0.00	1704.28	0.10
C	Volume of electricity that could not be cleared and hence not scheduled because of congestion (MUs)	0.59	0.00	0.00	0.00	0.56	0.00
D	Volume of electricity that could not be cleared and hence not scheduled because of reasons other than congestion (MUs) *	2.13	0.00	0.00	0.00	0.00	0.00
E	Volume of electricity that could not be cleared as % to Unconstrained Cleared Volume	0.07%	0.00%	0.00%	0.00%	0.03%	0.00%
F	Percentage of the time congestion occurred during the month (Number of hours congestion occurred/Total number of hours in the month)	0.90%	0.00%	0.00%	0.00%	1.81%	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%
	6.00 - 12.00 hours	0.00%	0.00%	0.00%	0.00%	1.92%	0.00%
	12.00 - 18.00 hours	69.23%	0.00%	0.00%	0.00%	82.69%	0.00%
	18.00 - 24.00 hours	30.77%	0.00%	0.00%	0.00%	15.38%	0.00%

* Real Time Curtailment on 20.04.2022 of 2.13 MU in DAM of IEX

Source: IEX, PXIL & NLDC

**Table-25: VOLUME OF SHORT-TERM TRANSACTIONS OF ELECTRICITY IN INDIA (DAY-WISE)
(MUs), APRIL 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-Apr-22	162.74	49.09	194.08	0.00	7.16	0.00	67.66	0.00	68.04	4266.77
2-Apr-22	162.82	51.13	194.05	0.00	6.68	0.00	50.54	0.00	69.50	4224.12
3-Apr-22	151.33	51.26	156.78	0.00	8.61	0.00	58.51	0.00	67.55	4117.74
4-Apr-22	144.37	52.73	165.69	0.00	10.00	0.00	68.35	0.00	72.56	4293.19
5-Apr-22	137.27	47.92	162.89	0.00	7.09	0.00	65.30	0.00	67.71	4331.96
6-Apr-22	154.75	47.22	171.91	0.00	8.00	0.00	57.58	0.00	71.35	4277.27
7-Apr-22	154.30	46.05	196.81	0.00	6.91	0.00	46.99	0.00	66.70	4318.54
8-Apr-22	159.04	48.56	184.80	0.00	7.33	0.00	59.79	0.00	70.68	4335.91
9-Apr-22	184.25	49.59	177.06	0.00	7.26	0.00	57.20	0.00	71.51	4293.38
10-Apr-22	180.15	50.67	186.60	0.00	7.96	0.00	48.89	0.00	67.13	4166.53
11-Apr-22	189.02	49.82	174.18	0.00	6.47	0.00	66.99	0.00	71.04	4228.38
12-Apr-22	191.24	46.96	167.93	0.00	7.15	0.00	53.93	0.00	71.23	4259.82
13-Apr-22	204.44	50.47	154.46	0.00	6.20	0.00	55.01	0.00	71.98	4272.81
14-Apr-22	194.97	51.53	158.58	0.00	7.63	0.00	59.04	0.00	79.57	4193.99
15-Apr-22	191.80	56.38	164.66	0.00	8.44	0.00	77.79	0.00	74.98	4147.02
16-Apr-22	198.61	48.01	147.04	0.00	8.69	0.00	59.62	0.00	69.20	4188.26
17-Apr-22	176.99	51.24	138.47	0.00	8.27	0.00	67.95	0.00	70.73	4009.77
18-Apr-22	189.47	55.01	144.36	0.00	9.61	0.00	65.73	0.00	66.21	4176.74
19-Apr-22	193.76	55.33	144.50	0.00	9.52	0.00	52.33	0.00	68.87	4253.38
20-Apr-22	208.72	56.00	128.89	0.00	8.76	0.00	70.36	0.00	75.18	4243.15
21-Apr-22	214.70	55.18	117.29	0.00	7.58	0.00	51.55	0.03	75.97	4248.38
22-Apr-22	231.55	55.13	99.19	0.00	6.71	0.00	52.69	0.08	68.57	4201.12
23-Apr-22	226.36	52.37	89.19	0.00	7.67	0.00	51.72	0.00	69.01	4262.37
24-Apr-22	215.04	51.23	106.04	0.00	7.93	0.00	60.72	0.00	70.57	4098.91
25-Apr-22	256.45	51.85	84.31	0.00	5.24	0.00	50.40	0.00	76.20	4257.96
26-Apr-22	266.83	51.52	76.35	0.00	4.70	0.00	38.04	0.00	69.91	4296.88
27-Apr-22	251.44	51.68	80.44	0.00	6.53	0.00	23.92	0.00	68.11	4333.87
28-Apr-22	275.26	53.58	54.35	0.00	3.80	0.00	30.03	0.00	72.63	4322.48
29-Apr-22	284.79	54.88	47.42	0.00	3.98	0.00	36.68	0.00	73.76	4301.01
30-Apr-22	291.57	55.91	45.33	0.00	2.85	0.00	98.97	0.00	77.27	4215.15
Total	6044.05	1548.29	4113.65	0.00	214.73	0.00	1704.28	0.10	2133.71	127136.86

Source: NLDC

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

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

Scheduled volume of all the bid areas.

Table-26(a): PRICE OF SHORT-TERM TRANSACTIONS OF ELECTRICITY (DAY-WISE) (₹/kWh), APRIL 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		
	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*	Minimum ACP	Maximum ACP	Weighted Average Price*
1-Apr-22	4.20	20.00	13.66	-	-	-	7.65	20.00	13.67	-	-	-
2-Apr-22	3.19	15.00	7.25	-	-	-	4.50	14.00	6.54	-	-	-
3-Apr-22	2.70	6.42	4.46	-	-	-	3.65	7.36	4.94	-	-	-
4-Apr-22	3.23	11.92	6.43	-	-	-	3.65	5.50	4.40	-	-	-
5-Apr-22	2.86	7.62	4.88	-	-	-	4.25	6.50	4.71	-	-	-
6-Apr-22	3.30	10.60	7.10	-	-	-	4.00	10.00	5.30	-	-	-
7-Apr-22	3.19	12.00	8.19	-	-	-	4.50	12.00	7.44	-	-	-
8-Apr-22	3.43	12.00	9.84	-	-	-	5.00	12.00	8.31	-	-	-
9-Apr-22	3.43	12.00	10.01	-	-	-	5.00	12.00	8.49	-	-	-
10-Apr-22	3.19	12.00	7.93	-	-	-	4.50	12.00	7.64	-	-	-
11-Apr-22	4.26	12.00	10.82	-	-	-	5.00	12.00	9.77	-	-	-
12-Apr-22	3.83	12.00	10.78	-	-	-	4.61	12.00	9.22	-	-	-
13-Apr-22	6.00	12.00	10.52	-	-	-	5.00	12.00	10.64	-	-	-
14-Apr-22	3.52	12.00	8.76	-	-	-	5.00	12.00	9.86	-	-	-
15-Apr-22	4.46	12.00	9.39	-	-	-	4.61	12.00	8.65	-	-	-
16-Apr-22	5.00	12.00	9.90	-	-	-	6.00	12.00	11.49	-	-	-
17-Apr-22	3.07	12.00	7.13	-	-	-	5.00	12.00	8.40	-	-	-
18-Apr-22	5.50	12.00	10.36	-	-	-	5.00	12.00	10.54	-	-	-
19-Apr-22	4.50	12.00	10.26	-	-	-	5.00	12.00	9.71	-	-	-
20-Apr-22	8.00	12.00	11.32	-	-	-	7.00	12.00	10.46	-	-	-
21-Apr-22	10.19	12.00	11.83	-	-	-	12.00	12.00	12.00	-	-	-
22-Apr-22	12.00	12.00	12.00	-	-	-	12.00	12.00	12.00	-	-	-
23-Apr-22	12.00	12.00	12.00	-	-	-	10.50	12.00	11.96	-	-	-
24-Apr-22	6.00	12.00	11.33	-	-	-	5.00	12.00	8.70	-	-	-
25-Apr-22	12.00	12.00	12.00	-	-	-	12.00	12.00	12.00	-	-	-
26-Apr-22	12.00	12.00	12.00	-	-	-	12.00	12.00	12.00	-	-	-
27-Apr-22	12.00	12.00	12.00	-	-	-	12.00	12.00	12.00	-	-	-
28-Apr-22	12.00	12.00	12.00	-	-	-	12.00	12.00	12.00	-	-	-
29-Apr-22	12.00	12.00	12.00	-	-	-	12.00	12.00	12.00	-	-	-
30-Apr-22	12.00	12.00	12.00	-	-	-	12.00	12.00	12.00	-	-	-
	2.70[#]	20.00[#]	9.52	-	-	-	3.65[#]	20.00[#]	9.29	-	-	-

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), APRIL 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-Apr-22	3.61	16.74	5.48	-	-	-	0.00	8.00	6.00
2-Apr-22	1.50	13.52	5.16	-	-	-	0.00	8.00	6.76
3-Apr-22	2.00	12.00	5.90	-	-	-	0.00	8.00	5.00
4-Apr-22	1.50	12.00	5.03	-	-	-	0.00	8.00	6.58
5-Apr-22	1.75	12.00	7.54	-	-	-	1.99	8.00	6.42
6-Apr-22	1.56	12.00	10.47	-	-	-	0.00	8.00	7.47
7-Apr-22	3.22	12.00	9.68	-	-	-	3.20	8.00	7.95
8-Apr-22	3.16	12.00	8.26	-	-	-	0.00	8.00	7.13
9-Apr-22	2.65	12.00	9.68	-	-	-	0.00	8.00	7.12
10-Apr-22	2.70	12.00	6.11	-	-	-	0.00	8.00	5.35
11-Apr-22	3.16	12.00	8.66	-	-	-	0.00	8.00	7.12
12-Apr-22	0.60	12.00	10.41	-	-	-	0.00	8.00	7.73
13-Apr-22	6.50	12.00	10.54	-	-	-	0.00	8.00	7.67
14-Apr-22	4.65	12.00	8.48	-	-	-	0.00	8.00	6.75
15-Apr-22	1.50	12.00	5.78	-	-	-	0.00	8.00	6.28
16-Apr-22	3.00	12.00	9.37	-	-	-	0.00	8.00	7.18
17-Apr-22	2.75	12.00	7.97	-	-	-	0.00	8.00	5.64
18-Apr-22	3.00	12.00	9.74	-	-	-	0.00	8.00	7.28
19-Apr-22	7.73	12.00	11.00	-	-	-	4.80	8.00	7.92
20-Apr-22	6.00	12.00	11.42	12.00	12.00	12.00	0.00	8.00	7.63
21-Apr-22	9.00	12.00	11.80	12.00	12.00	12.00	6.40	8.00	7.87
22-Apr-22	12.00	12.00	12.00	7.00	7.00	7.00	3.20	8.00	7.75
23-Apr-22	12.00	12.00	12.00	-	-	-	0.00	8.00	7.88
24-Apr-22	2.90	12.00	7.93	-	-	-	0.00	8.00	6.07
25-Apr-22	6.00	12.00	11.07	-	-	-	0.00	8.00	7.40
26-Apr-22	6.00	12.00	10.94	-	-	-	0.00	8.00	7.40
27-Apr-22	12.00	12.00	12.00	-	-	-	6.40	8.00	7.98
28-Apr-22	12.00	12.00	12.00	-	-	-	6.40	8.00	7.92
29-Apr-22	12.00	12.00	12.00	-	-	-	0.00	8.00	7.65
30-Apr-22	7.40	12.00	11.45	-	-	-	0.00	8.00	6.48
	0.60#	16.74#	9.12	7.00#	12.00#	8.37	0.00#	8.00#	7.05

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),
APRIL 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	531.47	42.43	-489.04	3.25	333.66	330.41	24.98	67.80	-42.82	-201.45
HARYANA	0.00	201.56	201.56	8.48	520.32	511.84	35.08	84.89	-49.81	663.59
RAJASTHAN	55.08	0.00	-55.08	199.03	138.13	-60.90	75.34	64.62	10.71	-105.27
DELHI	48.91	277.35	228.45	290.10	55.29	-234.81	9.83	49.60	-39.77	-46.13
UTTAR PRADESH	27.61	94.25	66.63	763.62	142.19	-621.43	81.14	74.96	6.18	-548.62
UTTARAKHAND	16.97	140.18	123.21	1.33	173.51	172.17	35.84	14.06	21.78	317.17
HIMACHAL PRADESH	51.46	61.67	10.22	200.34	74.74	-125.60	26.42	17.34	9.08	-106.30
J & K	108.47	0.00	-108.47	34.01	28.22	-5.79	59.66	41.55	18.12	-96.15
CHANDIGARH	0.00	0.00	0.00	19.23	0.33	-18.90	5.81	6.35	-0.54	-19.44
MP	360.98	108.42	-252.56	132.73	55.64	-77.09	90.05	44.44	45.61	-284.04
MAHARASHTRA	134.92	707.94	573.01	89.00	523.11	434.11	117.42	42.11	75.31	1082.43
GUJARAT	1.15	1071.20	1070.05	31.82	218.54	186.73	35.83	111.89	-76.06	1180.71
CHHATTISGARH	0.00	329.34	329.34	81.24	134.89	53.65	35.98	20.48	15.50	398.48
GOA	0.00	43.83	43.83	7.96	17.57	9.61	14.74	13.62	1.12	54.56
DAMAN AND DIU	0.00	1.52	1.52	0.32	18.13	17.81	7.29	3.64	3.64	22.98
DADRA & NAGAR HAV	0.00	86.81	86.81	0.51	35.40	34.89	11.38	5.03	6.35	128.06
ANDHRA P	5.43	571.91	566.48	94.44	519.80	425.36	83.85	41.02	42.83	1034.67
KARNATAKA	490.32	40.59	-449.73	318.74	100.03	-218.71	39.52	67.08	-27.56	-696.00
KERALA	1.72	177.68	175.96	140.52	16.29	-124.23	41.13	106.51	-65.38	-13.65
TAMIL NADU	1.56	1443.07	1441.51	70.70	824.18	753.48	19.66	23.79	-4.13	2190.85
PONDICHERRY	0.00	0.00	0.00	0.00	0.00	0.00	87.50	55.77	31.73	31.73
TELANGANA	5.11	630.51	625.40	193.16	945.69	752.54	8.56	1.43	7.14	1385.08
WEST BENGAL	63.59	416.23	352.64	116.45	633.46	517.02	23.48	73.04	-49.56	820.10
ODISHA	20.20	368.75	348.54	83.68	56.58	-27.10	22.35	70.50	-48.15	273.29
BIHAR	4.95	90.18	85.23	332.61	58.06	-274.54	32.45	35.36	-2.91	-192.23
JHARKHAND	0.60	221.94	221.34	5.20	94.23	89.02	8.82	35.25	-26.44	283.93
SIKKIM	0.00	15.06	15.06	19.83	1.51	-18.32	2.68	5.68	-3.01	-6.26
DVC	140.93	0.00	-140.93	36.50	2.45	-34.05	20.11	23.81	-3.70	-178.68
ARUNACHAL P	0.00	0.00	0.00	16.89	1.62	-15.27	5.90	5.23	0.68	-14.59
ASSAM	0.00	1.48	1.48	152.77	57.75	-95.02	10.59	21.33	-10.75	-104.28
MANIPUR	0.00	0.00	0.00	12.07	2.64	-9.43	2.25	4.32	-2.07	-11.50
MEGHALAYA	0.00	20.94	20.94	13.85	2.54	-11.31	2.22	7.28	-5.07	4.56
MIZORAM	0.00	0.00	0.00	12.79	0.00	-12.79	0.53	4.87	-4.34	-17.13
NAGALAND	0.00	0.00	0.00	10.54	0.01	-10.54	0.86	2.88	-2.02	-12.56
TRIPURA	0.00	0.00	0.00	19.51	9.87	-9.64	4.84	7.51	-2.67	-12.31
NTPC STATIONS-NR	0.00	0.00	0.00	0.00	0.00	0.00	103.14	41.52	61.62	61.62
NHPC STATIONS	0.00	0.00	0.00	0.00	0.00	0.00	8.64	128.90	-120.26	-120.26
NFF	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.16	-0.07	-0.07
RAIL	0.00	0.00	0.00	0.00	27.35	27.35	23.41	0.44	22.97	50.32
NEP	0.00	0.00	0.00	0.00	0.87	0.87	26.31	0.04	26.26	27.13
NAPP	0.00	0.00	0.00	0.00	0.00	0.00	4.79	1.27	3.52	3.52
RAP B	0.00	0.00	0.00	0.00	0.00	0.00	2.78	1.15	1.63	1.63
NJPC	0.00	0.00	0.00	0.00	0.00	0.00	1.23	17.84	-16.61	-16.61
TEHRI	0.00	0.00	0.00	0.00	0.00	0.00	3.15	2.83	0.32	0.32
BBMB	0.00	0.00	0.00	0.00	0.00	0.00	4.34	13.37	-9.04	-9.04
RAP C	0.00	0.00	0.00	0.00	0.00	0.00	3.54	0.37	3.17	3.17
AD HYDRO	0.53	0.00	-0.53	44.65	0.00	-44.65	1.17	2.38	-1.20	-46.38
IGSTPS	0.00	0.00	0.00	0.00	0.00	0.00	22.56	3.89	18.67	18.67
KOTESHWAR	0.00	0.00	0.00	0.00	0.00	0.00	0.24	4.18	-3.94	-3.94
KARCHAM WANGTOO	2.13	0.00	-2.13	23.73	0.00	-23.73	4.06	11.55	-7.50	-33.35
SHREE CEMENT	141.26	0.00	-141.26	18.75	0.00	-18.75	2.03	0.72	1.30	-158.70
LANCO BUDHIL	0.00	0.00	0.00	2.13	0.00	-2.13	0.44	0.78	-0.34	-2.47
RAMPUR HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.21	8.80	-8.59	-8.59
SORANG HEP	15.12	0.00	-15.12	9.60	0.00	-9.60	1.11	0.83	0.27	-24.45
SAINJ HEP	0.00	0.00	0.00	25.94	0.00	-25.94	0.62	0.70	-0.08	-26.02
RENEW_SLR	49.81	0.00	-49.81	0.00	0.00	0.00	0.52	0.48	0.04	-49.78

AZURE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.28	0.65	0.63	0.63
SB_SLR	0.00	0.00	0.00	0.00	0.00	0.00	4.99	0.64	4.35	4.35
ACME_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.46	4.12	-2.66	-2.66
AZURE34_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.26	1.17	0.09	0.09
TATA_SLR	36.77	0.00	-36.77	0.00	0.00	0.00	3.37	0.95	2.42	-34.35
RENEW_SLR_BKN	0.00	0.00	0.00	0.00	0.00	0.00	1.88	1.63	0.25	0.25
CLEAN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.43	7.41	-5.98	-5.98
ARERJL_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.81	4.02	-3.21	-3.21
ADANI GREEN	0.00	0.00	0.00	7.36	0.00	-7.36	0.00	0.00	0.00	-7.36
ASEJTL_SLR	5.96	0.00	-5.96	0.00	0.00	0.00	1.29	0.20	1.09	-4.87
SINGOLI BHATWARI HE	20.48	0.00	-20.48	13.26	0.00	-13.26	0.63	0.21	0.42	-33.33
AZURE43_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.78	15.41	-13.63	-13.63
MRPL	0.00	0.00	0.00	0.00	0.00	0.00	1.22	2.67	-1.45	-1.45
SB6_POKARAN	0.00	0.00	0.00	0.00	0.00	0.00	4.61	0.77	3.83	3.83
EDEN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.99	3.07	-2.08	-2.08
SBSR_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.32	2.59	-1.26	-1.26
RENEWSW_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.95	3.08	-2.13	-2.13
ADANIHB_SLR	0.00	0.00	0.00	0.00	0.00	0.00	2.94	7.43	-4.50	-4.50
RENEWJH_SLR	0.00	0.00	0.00	12.79	0.00	-12.79	1.04	1.81	-0.77	-13.56
AHEJOL_S_FTG2	48.82	0.00	-48.82	27.92	0.00	-27.92	0.00	0.00	0.00	-76.74
AHEJOL_W_FTG2	13.64	0.00	-13.64	0.00	0.00	0.00	0.00	0.00	0.00	-13.64
AHEJ2L_SOLAR	17.46	0.00	-17.46	12.99	0.00	-12.99	4.42	5.51	-1.09	-31.54
AHEJ2L_WIND	6.96	0.00	-6.96	0.00	0.00	0.00	0.00	0.00	0.00	-6.96
AHEJ3L_SOLAR	51.14	0.00	-51.14	25.44	0.00	-25.44	4.98	6.39	-1.40	-77.99
AHEJ3L_WIND	9.29	0.00	-9.29	0.00	0.00	0.00	0.00	0.00	0.00	-9.29
AHEJ4L_WIND	63.87	0.00	-63.87	0.00	0.00	0.00	0.00	0.00	0.00	-63.87
AHEJ4L_SOLAR	98.09	0.00	-98.09	52.39	0.00	-52.39	19.20	15.00	4.20	-146.28
RENEWSB	0.00	0.00	0.00	0.00	0.00	0.00	2.11	2.71	-0.60	-0.60
AZURE41_SLR	0.00	0.00	0.00	0.00	0.00	0.00	2.42	3.89	-1.47	-1.47
AYANA_RP1	66.50	0.00	-66.50	0.02	0.00	-0.02	3.46	3.63	-0.17	-66.69
AVAADASN_SLR	0.88	0.00	-0.88	0.00	0.00	0.00	1.92	5.34	-3.42	-4.29
RENEWURJA_SLR	52.74	0.00	-52.74	9.50	0.00	-9.50	2.24	3.33	-1.08	-63.32
AVADARJHN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	3.00	6.33	-3.33	-3.33
NCR ALLAHABAD	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02
RENEW_SR_SLR	4.94	0.00	-4.94	28.72	0.00	-28.72	2.41	1.42	0.99	-32.67
AZURE_MAPLE_SLR	0.00	0.00	0.00	11.19	0.00	-11.19	1.07	0.40	0.67	-10.53
THARI_SLR	11.39	0.00	-11.39	0.00	0.00	0.00	0.67	0.56	0.11	-11.28
CLEANSR_SLR	27.70	0.00	-27.70	0.00	0.00	0.00	2.56	0.88	1.68	-26.02
ACME_HEERGARH	10.60	0.00	-10.60	0.00	0.00	0.00	1.80	0.09	1.72	-8.88
NTPC STATIONS-WR	0.00	0.00	0.00	0.00	0.00	0.00	140.24	87.44	52.79	52.79
BHADRAVATHI HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.12	0.12
VINDHYACHAL HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.10	-0.10	-0.10
JINDAL POWER	228.70	0.00	-228.70	185.86	0.00	-185.86	2.71	4.04	-1.34	-415.90
LANKO_AMK	3.86	0.00	-3.86	0.00	0.00	0.00	0.17	8.03	-7.86	-11.72
NSPCL	0.00	0.00	0.00	0.00	0.00	0.00	2.90	1.85	1.06	1.06
ACBIL	3.96	0.00	-3.96	96.72	0.00	-96.72	2.12	4.28	-2.15	-102.83
BALCO	0.00	79.87	79.87	0.00	6.39	6.39	5.48	3.71	1.77	88.04
RGPPL	75.41	0.00	-75.41	0.00	0.00	0.00	7.07	0.49	6.59	-68.82
CGPL	0.00	0.00	0.00	0.00	0.00	0.00	13.95	3.28	10.67	10.67
DCPP	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.05	0.17	0.17
EMCO	6.12	0.00	-6.12	22.35	0.00	-22.35	1.37	1.59	-0.22	-28.68
KSK MAHANADI	65.14	0.00	-65.14	0.00	0.00	0.00	0.30	3.08	-2.775	-67.911
ESSAR POWER	416.84	0.00	-416.84	54.30	0.00	-54.30	18.64	32.27	-13.63	-484.77
JINDAL STAGE-II	237.96	0.00	-237.96	336.65	0.84	-335.81	6.02	3.55	2.47	-571.30
DB POWER	339.73	0.00	-339.73	48.79	0.00	-48.79	2.15	2.97	-0.82	-389.34
DHARIWAL POWER	0.00	0.00	0.00	1.97	0.00	-1.97	0.39	0.21	0.18	-1.79
JAYPEE NIGRIE	288.22	0.00	-288.22	158.93	0.00	-158.93	1.44	5.70	-4.26	-451.41
DGEN MEGA POWER	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.00	1.23	1.23
MB POWER	140.30	0.00	-140.30	124.92	0.00	-124.92	5.69	2.67	3.03	-262.19
MARUTI COAL	1.56	0.00	-1.56	45.13	0.18	-44.95	0.00	0.00	0.00	-46.51
JHABUA POWER_MP	98.06	0.00	-98.06	4.65	0.00	-4.65	3.58	1.99	1.59	-101.13
SASAN UMPP	0.00	0.00	0.00	0.15	0.00	-0.15	0.75	55.22	-54.48	-54.63
TRN ENERGY	0.00	0.00	0.00	0.00	0.00	0.00	1.51	0.02	1.49	1.49

RKM POWER	367.84	0.00	-367.84	111.49	0.00	-111.49	10.34	4.86	5.48	-473.86
SKS POWER	0.00	0.00	0.00	0.00	0.00	0.00	1.67	0.00	1.67	1.67
BARC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.22	-3.22	-3.22
KAPP 3&4	0.00	0.00	0.00	0.00	0.00	0.00	6.08	0.00	6.08	6.08
HVDC CHAMPA	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.02	0.30	0.30
MAHINDRA_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.41	0.80	3.62	3.62
ARINSUM_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.29	0.96	3.33	3.33
OSTRO	8.13	0.00	-8.13	4.54	0.00	-4.54	6.82	10.10	-3.28	-15.95
ACME_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	3.37	1.06	2.31	2.31
RENEW_BHACHAU	0.00	0.00	0.00	0.00	0.00	0.00	8.11	7.48	0.62	0.62
GIWEL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	10.26	15.71	-5.45	-5.45
INOX_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	5.21	5.60	-0.40	-0.40
AGEMPL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	11.36	16.93	-5.57	-5.57
REGL	235.71	0.00	-235.71	72.14	4.39	-67.75	0.00	0.00	0.00	-303.46
RPREL	547.40	0.00	-547.40	66.18	0.00	-66.18	3.05	5.50	-2.45	-616.03
AMPS Hazira	0.00	205.99	205.99	0.00	97.33	97.33	0.00	0.00	0.00	303.32
HVDC RAIGARH	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.26	-0.21	-0.21
RGPPL_IR	0.00	0.00	0.00	7.84	0.00	-7.84	0.00	0.00	0.00	-7.84
RGPPL_Others	0.00	0.00	0.00	0.20	0.00	-0.20	0.00	0.00	0.00	-0.20
ALFANAR_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	5.77	8.24	-2.47	-2.47
RENEW_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	8.57	8.92	-0.35	-0.35
ADANI_WIND	10.40	0.00	-10.40	1.47	0.00	-1.47	0.00	0.00	0.00	-11.87
CONTINNUM PT	2.76	0.00	-2.76	0.05	0.00	-0.05	0.00	0.00	0.00	-2.81
TPREL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	0.93	0.51	0.42	0.42
ESPL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	1.85	0.80	1.05	1.05
GIPCL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	0.94	0.43	0.51	0.51
NTPC STATIONS-SR	0.00	0.00	0.00	5.16	0.00	-5.16	40.76	26.09	14.67	9.52
LANKO KONDAPALLI	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00	0.43	0.43
SIMHAPURI	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.37	0.37
MEENAKSHI	0.00	0.00	0.00	0.00	0.00	0.00	0.53	0.00	0.53	0.53
COASTGEN	277.95	0.00	-277.95	0.00	0.00	0.00	5.13	0.32	4.81	-273.14
THERMAL POWERTECH	20.53	0.00	-20.53	0.00	0.00	0.00	17.57	0.50	17.07	-3.46
IL&FS	104.98	0.00	-104.98	4.03	0.00	-4.03	7.71	0.13	7.58	-101.42
NLC	0.00	0.00	0.00	10.04	0.00	-10.04	30.58	10.78	19.80	9.76
SEMBCORP	425.16	0.00	-425.16	274.97	0.00	-274.97	14.70	1.04	13.66	-686.46
NETCL VALLUR	0.00	0.00	0.00	0.00	0.00	0.00	15.98	0.98	15.00	15.00
NTPL	0.00	0.00	0.00	0.00	0.00	0.00	5.21	2.05	3.16	3.16
AHSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.36	1.03	-0.68	-0.68
AKSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.34	1.00	-0.66	-0.66
ABSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.34	1.07	-0.73	-0.73
AZURE_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.20	0.69	-0.49	-0.49
TATA_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.84	1.19	-0.35	-0.35
FRV_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.75	-0.46	-0.46
NTPC_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	2.26	2.69	-0.42	-0.42
GIWEL_TCN	0.00	0.00	0.00	0.00	0.00	0.00	10.09	3.48	6.61	6.61
MYTRAH_TCN	0.00	0.00	0.00	0.00	0.00	0.00	9.88	2.46	7.42	7.42
FRV_NPK	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.79	-0.48	-0.48
ORANGE_TCN	0.00	0.00	0.00	0.00	0.00	0.00	9.29	3.02	6.27	6.27
BETAM_TCN	0.00	0.00	0.00	0.00	0.00	0.00	5.10	4.80	0.30	0.30
SBG_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.37	1.95	0.42	0.42
SBG_NPK	0.00	0.00	0.00	0.00	0.00	0.00	2.34	2.77	-0.43	-0.43
FORTUM1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.90	1.05	-0.14	-0.14
PARAM_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.64	-0.43	-0.43
YARROW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.20	-0.10	-0.10
TATA_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.88	1.33	-0.45	-0.45
RENEW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.28	-0.16	-0.16
AKS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.21	-0.13	-0.13
ARS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.28	-0.23	-0.23
AVAADA1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.51	-0.20	-0.20
ADY1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.72	-1.42	-1.42
ADY2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.72	-1.42	-1.42
ADY13_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.72	-1.42	-1.42
ADY3_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.59	-1.12	-1.12

ADY6_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.48	1.59	-1.12	-1.12
ADY10_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.30	1.72	-1.42	-1.42
AZURE_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.67	-0.57	-0.57
FORTUM2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.15	1.25	-1.10	-1.10
AVAADA2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.37	-0.06	-0.06
KREDL_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.13	0.03	0.03
AYANA_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	0.42	1.23	-0.81	-0.81
SPRNG_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	0.27	1.27	-1.00	-1.00
SPRING_PUGALUR	0.00	0.00	0.00	0.00	0.00	0.00	1.66	1.01	0.65	0.65
OSTRO Hiriyur	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.79	1.13	1.13
NTPC STATIONS-ER	0.00	0.00	0.00	0.96	0.00	-0.96	44.68	29.07	15.62	14.66
MAITHON POWER LTD	0.00	0.00	0.00	0.00	0.00	0.00	3.66	3.86	-0.20	-0.20
NPGC	0.00	0.00	0.00	0.00	0.00	0.00	4.98	7.53	-2.54	-2.54
ADHUNIK POWER LTD	181.25	0.00	-181.25	32.33	0.00	-32.33	5.02	1.58	3.44	-210.14
CHUZACHEN HEP	0.00	0.00	0.00	5.24	0.00	-5.24	0.93	2.61	-1.69	-6.93
RANGIT HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.45	1.82	-1.37	-1.37
GMR KAMALANGA	20.45	0.00	-20.45	21.14	0.00	-21.14	0.19	4.41	-4.23	-45.82
JITPL	342.95	0.00	-342.95	283.00	0.00	-283.00	4.70	3.36	1.34	-624.61
TEESTA HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.05	6.34	-6.29	-6.29
DAGACHU	22.02	0.00	-22.02	0.00	0.00	0.00	6.30	0.08	6.22	-15.79
JORETHANG	7.97	0.00	-7.97	13.49	0.00	-13.49	2.23	0.21	2.02	-19.44
NEPAL(NVVN)	0.00	0.84	0.84	0.00	99.01	99.01	1.30	29.58	-28.28	71.57
BANGLADESH	0.00	140.80	140.80	0.00	0.00	0.00	3.50	1.35	2.15	142.95
HVDC PUS	0.00	0.00	0.00	0.00	0.00	0.00	0.33	0.00	0.33	0.33
TEESTA STG3	238.99	0.00	-238.99	109.77	0.00	-109.77	4.72	2.80	1.92	-346.84
DIKCHU HEP	28.51	0.00	-28.51	28.01	0.00	-28.01	1.37	2.52	-1.16	-57.68
HVDC ALPD	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	-0.06	-0.06
TASHIDENG HEP	8.50	0.00	-8.50	11.69	0.00	-11.69	2.93	0.21	2.72	-17.47
BRBCL,NABINAGAR	0.00	0.00	0.00	0.00	0.00	0.00	7.39	4.10	3.29	3.29
MTPS II	0.00	0.00	0.00	0.00	0.00	0.00	1.66	0.72	0.94	0.94
TALA HEP	0.00	0.00	0.00	0.00	0.00	0.00	10.49	29.42	-18.94	-18.94
CHUKHA HEP	0.00	0.00	0.00	0.00	0.00	0.00	1.02	37.30	-36.28	-36.28
KURICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	2.05	11.15	-9.10	-9.10
MANGDECHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	49.50	0.59	48.91	48.91
RONGNICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.88	1.60	-0.72	-0.72
NTPC STATIONS-NER	0.00	0.00	0.00	14.28	0.00	-14.28	5.92	2.61	3.32	-10.96
NEEPCO STATIONS	0.84	0.00	-0.84	19.02	0.00	-19.02	1.36	4.32	-2.95	-22.81
RANGANADI HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.85	2.25	-1.40	-1.40
DOYANG HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.18	-0.02	-0.02
ONGC PALATANA	7.91	0.00	-7.91	15.70	0.00	-15.70	0.12	1.82	-1.70	-25.31
LOKTAK	0.00	0.00	0.00	0.00	0.00	0.00	0.25	0.58	-0.33	-0.33
PARE HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.67	-0.54	-0.54

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, APRIL 2022					
Sr. No.	Details of REC Transactions	IEX		PXIL	
		Solar	Non-Solar	Solar	Non-Solar
A	Volume of Buy Bid	131410	171446	241428	159838
B	Volume of Sell Bid	210983	951436	71115	512133
C	Ratio of Buy Bid to Sell Bid Volume	0.62	0.18	3.39	0.31
D	Market Clearing Volume (MWh)	77433	171446	62753	159838
E	Weighted average Market Clearing Price (₹/MWh)	2200	1000	2300	1000

Source: IEX and PXIL

Note 1: 1 REC = 1 MWh