

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 Rewa Ultra Mega Solar Project
ARS_PVGD	ACME REWARI Solar Power Pvt Ltd.
ASEJTL_SLR	Adani Solar Energy Jodhpur Two Ltd.
AVAADA1_PVGD	Avaada Solar Energy Private Ltd., Pavagada Project 1
AVAADA2_PVGD	Avaada Solar Energy Private Ltd., Pavagada Project 2
AVADARJHN_SLR	Avaada Rjhn Private Limited_Solar
AYANA_NPKUNTA	Ayana Power, NP Kunta
AZURE_ANTP	Azure Power, Anantpur
AZURE_PVGD	Azure Power, Pavagada
AZURE_SLR	Azure Power Solar Power Project
AZURE34_SLR	Azure Power 34 Pvt. Ltd. Solar Power Project
AZURE43_SLR	Azure Power Forty Three Private Limited
BALCO	Bharat Aluminum Company Limited
BARC	Bhabha Atomic Research Centre
BBMB	Bhakra Beas Management Board
BETAM_TCN	Betam Wind Energy Private Limited, Tuticorin

BHADRAVATHI HVDC	Bhadravathi High Voltage Direct Current Link
BRBCL	Bhartiya Rail Bijlee Company Limited
CEA	Central Electricity Authority
CERC	Central Electricity Regulatory Commission
CGPL	Coastal Gujarat Power Limited
CHUKHA HEP	Chhukha Hydroelectric Project, Bhutan
CHUZACHEN HEP	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 **March 2022** is presented in the following sections.

2. Volume of Short-term Transactions of Electricity

2.1. During March 2022, total electricity generation, excluding generation from renewable and captive power plants in India was 123866.99 MU (Table-1). Of the total electricity generation, 14.06% was transacted through short-term, comprising of 6.53% through power exchanges {Day Ahead Market (DAM) (including G-DAM) and Real Time Market (RTM)}, followed by 5.76% through bilateral (through traders and term-ahead contracts on power exchanges and directly between distribution companies) and 1.77% through DSM (Table-1 & Figure-1).

2.2. Of the total short-term transactions (17411.87 MU), 46.43% was transacted through power exchanges {DAM (including G-DAM) and RTM}, followed by 40.99% through bilateral (32.22% through traders and term-ahead contracts on power exchanges, and 8.77% directly between distribution companies) and 12.58% 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, 61.03% of the volume was transacted in DAM (including G-DAM), followed by 20.34% in RTM and 18.63% in Term Ahead Market (TAM) (including G-TAM) (Figure-3).

2.4. The share of electricity traded by each trading licensee is given in Table-2 & Figure-5. The volume of electricity transacted by the trading licensees includes bilateral transactions and the transactions undertaken through power exchanges. There were 43 trading licensees as of March 2022. Of which, 28 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 78.76% 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 0.1701 for the month of March 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 5858.39 MU and 0.20 MU respectively. The volume of total buy bids and sell bids was 9953.05 MU and 7353.19 MU respectively in IEX, while the same was 11.05 MU and 31.28 MU respectively in PXIL.

2.7. The volume of electricity transacted in the G-DAM of IEX was 204.82 MU, while no electricity was transacted in the G-DAM of PXIL. The volume of total buy bids and sell bids was 976.79 MU and 286.20 MU respectively in IEX. No bids were received in PXIL.

2.8. The volume of electricity transacted in the RTM of IEX was 2020.86 MU, while no electricity was transacted in the RTM of PXIL. The volume of total buy bids and sell bids was 3783.96 MU and 2815.42 MU respectively in IEX, while there were no bids in PXIL. The

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

2.9. The volume of electricity transacted in the TAM of IEX and PXIL was 822.70 MU and 522.10 MU respectively (Table-8 & Table-9). The volume of electricity transacted in the Green Term Ahead Market (G-TAM) of IEX and PXIL was 187.31 MU and 318.88 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 ₹2.42/kWh, ₹13.93/kWh and ₹4.89/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 ₹4.91/kWh, ₹5.00/kWh and ₹4.57/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 ₹2.42/kWh, ₹20.00/kWh and ₹7.95/kWh respectively. These prices in the DAM of PXIL were ₹2.00/kWh, ₹4.99/kWh and ₹2.60/kWh respectively (Table-5). The minimum, maximum and weighted average prices for the electricity transacted in the G-DAM of IEX were ₹3.25/kWh, ₹20.00/kWh and ₹6.96/kWh respectively. (Table-6). The minimum, maximum and weighted average prices for the electricity transacted in the RTM of IEX were ₹1.00/kWh, ₹20.00/kWh and ₹8.34/kWh respectively (Table-7). The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹7.14/kWh and ₹9.16/kWh respectively (Table-8 and Table-9). The price of electricity transacted in the G-TAM of IEX and PXIL was ₹8.07/kWh and ₹7.42/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 ₹6.07/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 ₹0.023/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 39.43% of the volume. These were Raipur Energen Limited, Punjab, Delhi, Diligent Power Pvt. Ltd. and Jindal India Thermal Power Ltd. (Table-13). Top 5 regional entities/states purchased 60.29% of the volume, and these were Tamil Nadu, Gujarat, Telangana, Maharashtra and Andhra Pradesh (Table-14).

5.2. Of the total DAM transactions at power exchanges, top 5 regional entities/states sold 40.36% of the volume, and these were Uttar Pradesh, Rajasthan, West Bengal, Bihar and Jindal Power Ltd Stage II (Table-15). Top 5 regional entities/states purchased 66.07% of the volume, and these were Telangana, Gujarat, Andhra Pradesh, Tamil Nadu and Maharashtra (Table-16).

5.3. Of the total G-DAM transactions at power exchanges, top 5 regional entities/states sold 77.14% of the volume, and these were Karnataka, Adani Hybrid Energy Jaisalmer Three Limited (Solar), Adani Hybrid Energy Jaisalmer One Limited (Solar), Madhya Pradesh and Renew Solar Energy (Jharkhand Three) Private Limited (Table-17). Top 5 regional entities/states purchased 72.51% of the volume, and these were Assam, Dadra & Nagar Haveli, Maharashtra, Punjab 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 51.27% of the volume, and these were Bihar, West Bengal, Madhya Pradesh, Rajasthan and Odisha (Table-19). Top 5 regional entities/states purchased 59.72% of the volume, and these were Tamil Nadu, Andhra Pradesh, Maharashtra, Telangana and Jammu & Kashmir (Table-20).

5.5. Of the total DSM transactions, top 5 regional entities/states under drew 25.18% of the volume, and these were Uttar Pradesh, NHPC Stations, Kerala, Gujarat and Madhya Pradesh (Table-21). Top 5 regional entities/states overdrew 27.81% of the volume, and these were NTPC Stations (Western Region), Druk Green Power Corporation Ltd. Bhutan, NTPC Stations (Northern Region), Pondicherry and Andhra 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 Uttar Pradesh, Raipur Energen Limited, Sembcorp Gayatri Power Ltd., Jindal Power Ltd Stage II and Bihar. Top 5 electricity purchasing regional entities/states were Tamil Nadu, Gujarat, Telangana, Andhra Pradesh and Maharashtra.

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

6.1. Power exchanges use a price discovery mechanism in which the aggregate demand and supply are matched to arrive at an unconstrained market price and volume. This process assumes that there is no congestion in the inter-State transmission system between different regions. However, in reality, the system operator (NLDC) in coordination with RLDCs limits the flow (due to congestion) in the inter-State transmission system. In such a situation, power exchanges adopt a mechanism called “Market Splitting”³.

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

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 March 2022, congestion was experienced in RTM on IEX only (Table-24).

6.3. The volume of electricity that could not be cleared, due to congestion, in RTM on IEX was 0.15% of the unconstrained cleared volume. In terms of time, congestion occurred was 4.70% 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 March 2022 are shown in Table-28. The market clearing volume of solar RECs transacted on IEX and PXIL were 251976 and 26367 respectively and the weighted average market clearing price of these RECs was ₹2250/MWh in IEX and ₹2205/MWh in PXIL. Market clearing volume of non-solar RECs transacted on IEX and PXIL were 259319 and 82748 respectively and the weighted average market clearing price of these RECs was ₹ 1000/MWh in IEX and ₹ 1000/MWh in PXIL.

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.

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 2.34 and 2.00 in IEX and PXIL respectively. For non-solar RECs, the ratio of buy bids to sell bids 0.22 and 0.14 in IEX and PXIL respectively.

8. Inferences:

- a) The percentage of short-term transactions of electricity to total electricity generation was 14.06%.
- b) Of the total short-term transactions (17411.87 MU), 46.43% was transacted through power exchanges {DAM (including G-DAM) and RTM}, followed by 40.99% through bilateral (32.22% through traders and term-ahead contracts on power exchanges, and 8.77% directly between distribution companies) and 12.58% through DSM.
- c) Of the total volume of electricity transacted through power exchanges, 61.03% of the volume was transacted in DAM (including G-DAM), followed by 20.34% in RTM and 18.63% in Term Ahead Market (TAM) (including G-TAM).
- d) Top 5 trading licensees had a share of 78.76% 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 0.1701, indicating moderate concentration of market power.
- f) The weighted average price of electricity transacted through trading licensees was ₹4.89/kWh.
- g) The weighted average price of electricity transacted in the TAM of IEX and PXIL was ₹7.14/kWh and ₹9.16/kWh respectively. The weighted average price of electricity transacted in the G-TAM of IEX and PXIL was ₹8.07/kWh and ₹7.42/kWh respectively.
- h) The weighted average price of electricity transacted in DAM of IEX and PXIL was ₹7.95/kWh and ₹2.60/kWh. The weighted average price of electricity transacted in G-DAM of IEX was ₹6.96/kWh. The weighted average price of electricity transacted in RTM of IEX was ₹8.34/kWh. No electricity was transacted in the G-DAM & RTM of PXIL.

- i) The average price of electricity transacted through DSM was ₹6.07/kWh.
- j) The weighted average trading margin charged by the trading licensees for bilateral transactions was ₹0.023/kWh, which was in line with the Trading Licence Regulations 2020.
- k) Top 5 electricity selling regional entities/states were Uttar Pradesh, Raipur Energen Limited, Sembcorp Gayatri Power Ltd., Jindal Power Ltd Stage II and Bihar. Top 5 electricity purchasing regional entities/states were Tamil Nadu, Gujarat, Telangana, Andhra Pradesh and Maharashtra.
- l) During the month, congestion was experienced in RTM on IEX only. The volume of electricity that could not be cleared, due to congestion, in RTM on IEX was 0.15% of the unconstrained cleared volume. In terms of time, congestion occurred was 4.70% during the month.
- m) The market clearing volume of solar RECs transacted on IEX and PXIL were 251976 and 26367 respectively and the weighted average market clearing price of these RECs was ₹2250/MWh in IEX and ₹2205/MWh in PXIL. Market clearing volume of non-solar RECs transacted on IEX and PXIL were 259319 and 82748 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), MARCH 2022				
Sr.No	Short-term transactions	Volume (MU)	% to Volume of short-term transactions	% to Total Generation
1	Bilateral	7136.37	40.99	5.76
	(i) Through Traders and PXs	5610.06	32.22	4.53
	(ii) Direct	1526.31	8.77	1.23
2	Through Power Exchanges	8084.26	46.43	6.53
	(i) IEX			
	(a) DAM	5858.39	33.65	4.73
	(b) RTM	2020.86	11.61	1.63
	(c) GDAM	204.82	1.18	0.17
	(ii)PXIL			
	(a) DAM	0.20	0.001	0.0002
	(b) RTM	0.00	0.00	0.00
	(c) GDAM	0.00	0.00	0.00
3	Through DSM	2191.24	12.58	1.77
	Total	17411.87	-	14.06
	Total Generation	123866.99	-	-

Source: NLDC

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

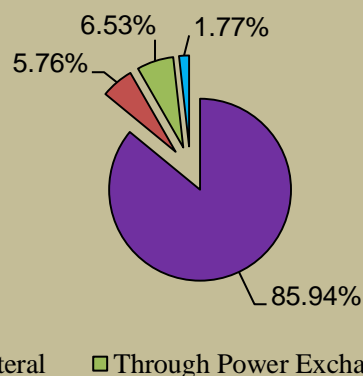


Figure-2: Volume of Short-term Transactions of Electricity, March 2022

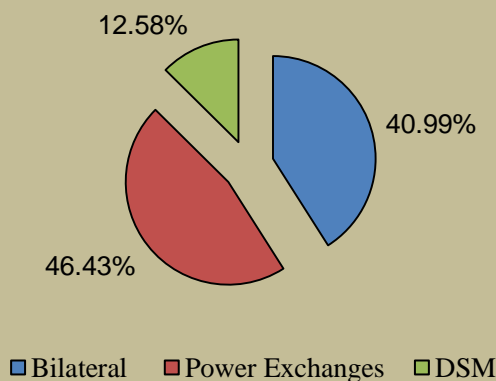


Figure-3: Volume transacted in different markets segments on Power Exchanges, March 2022

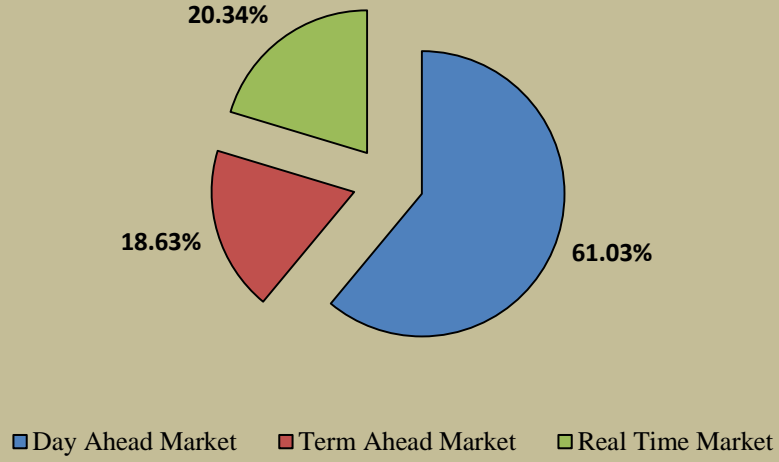


Figure-4: Volume of Short-term Transactions of Electricity, March 2022 (Day-wise)

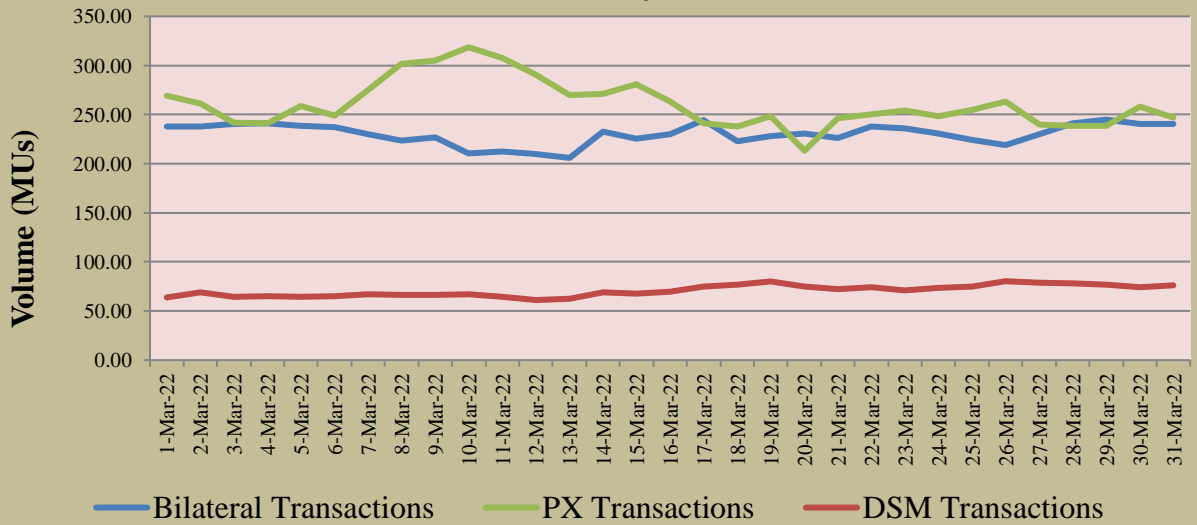


Table-2: PERCENTAGE SHARE OF ELECTRICITY TRANACTED BY TRADING LICENSEES, MARCH 2022			
Sr. No	Name of the Trading Licensee	% Share in total Volume transacted by Trading Licensees	Herfindahl-Hirschman Index
1	PTC India Ltd.	32.69	0.1069
2	NTPC Vidyut Vyapar Nigam Ltd.	16.62	0.0276
3	Adani Enterprises Ltd.	12.18	0.0148
4	Tata Power Trading Company (P) Ltd.	10.69	0.0114
5	Manikaran Power Ltd.	6.58	0.0043
6	Arunachal Pradesh Power Corporation (P) ltd	4.70	0.0022
7	GMR Energy Trading Ltd.	3.02	0.0009
8	Kreate Energy (I) Pvt. Ltd.*	2.35	0.0006
9	Essar Electric Power Development Corp. Ltd.	1.94	0.0004
10	JSW Power Trading Company Ltd	1.83	0.0003
11	Knowledge Infrastructure Systems (P) Ltd	1.22	0.0001
12	Statkraft Markets Pvt. Ltd.	1.13	0.0001
13	Instinct Infra & Power Ltd.	0.98	0.0001
14	National Energy Trading & Services Ltd.	0.89	0.0001
15	RPG Power Trading Company Ltd.	0.80	0.0001
16	Shubheksha Advisors Pvt. Ltd.	0.71	0.0001
17	Ambitious Power Trading Company Ltd.	0.61	0.0000
18	Abja Power Private Limited	0.46	0.0000
19	Refex Energy Limited	0.26	0.0000
20	Greenko Energies Pvt Ltd	0.22	0.0000
21	Shree Cement Ltd.	0.05	0.0000
22	Saranyu Power Trading Private Limited	0.04	0.0000
23	NLC India Ltd.	0.02	0.0000
24	Gita Power & Infrastructure Private Limited	0.01	0.0000
25	Altilium Energie Private Limited	0.003	0.0000
26	Customized Energy Solutions India (P) Ltd.	0.001	0.0000
27	Instant Venture Pvt. Ltd.	0.001	0.0000
28	Phillip Commodities India (P) Ltd.	0.0002	0.0000
TOTAL		100.00%	0.1701
Top 5 trading licensees		78.76%	
<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>* Subject to clarification on transaction awaited from Kreate Energy (I) Pvt. Ltd.</i>			
<i>Source: Information submitted by trading licensees</i>			

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

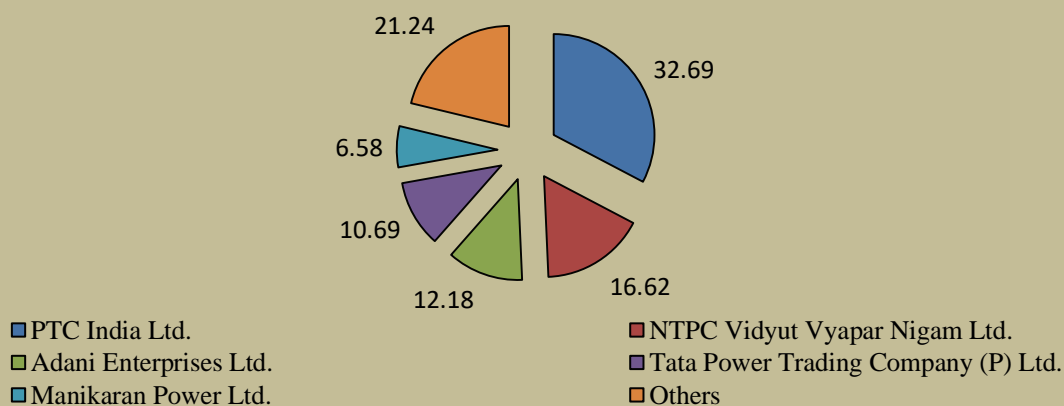


Table-3: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS, MARCH 2022		
Sr.No	Item	Sale Price of Traders (₹/kWh)
1	Minimum	2.42
2	Maximum	13.93
3	Weighted Average	4.89

Source: Information submitted by trading licensees

Table-4: PRICE OF ELECTRICITY TRANSACTED THROUGH TRADERS (TIME-WISE), MARCH 2022		
Sr.No	Period of Trade	Sale Price of Traders (₹/kWh)
1	RTC	4.91
2	PEAK	5.00
3	OFF PEAK	4.57

Source: Information submitted by trading licensees

Table-5: PRICE OF ELECTRICITY TRANSACTED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MARCH 2022			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	2.42	2.00
2	Maximum	20.00	4.99
3	Weighted Average	7.95	2.60

Source: IEX and PXIL

Table-6: PRICE OF ELECTRICITY TRANSACTED IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MARCH 2022			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	3.25	-
2	Maximum	20.00	-
3	Weighted Average	6.96	-

Source: IEX and PXIL

Table-7: PRICE OF ELECTRICITY TRANSACTED IN REAL TIME MARKET THROUGH POWER EXCHANGES, MARCH 2022			
Sr.No	ACP	Price in IEX (₹/kWh)	Price in PXIL (₹/kWh)
1	Minimum	1.00	-
2	Maximum	20.00	-
3	Weighted Average	8.34	-

Source: IEX and PXIL

Table-8: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF IEX, MARCH 2022			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	2.61	13.17
2	Day Ahead Contingency Contracts	387.89	8.45
3	Daily Contracts	432.21	5.92
	Total	822.70	7.14

Source: IEX

Table-9: VOLUME AND PRICE OF ELECTRICITY IN TERM AHEAD MARKET OF PXIL, MARCH 2022			
Sr.No	Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	1.34	12.60
2	Day Ahead Contingency Contracts	377.17	9.81
3	Any Day(s) Contracts	143.59	7.43
	Total	522.10	9.16

Source: PXIL

Table-10: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF IEX, MARCH 2022			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Day Ahead Contingency Contracts	182.42	8.15
2	Daily Contracts	4.89	4.94
	Total	187.31	8.07

Source: IEX

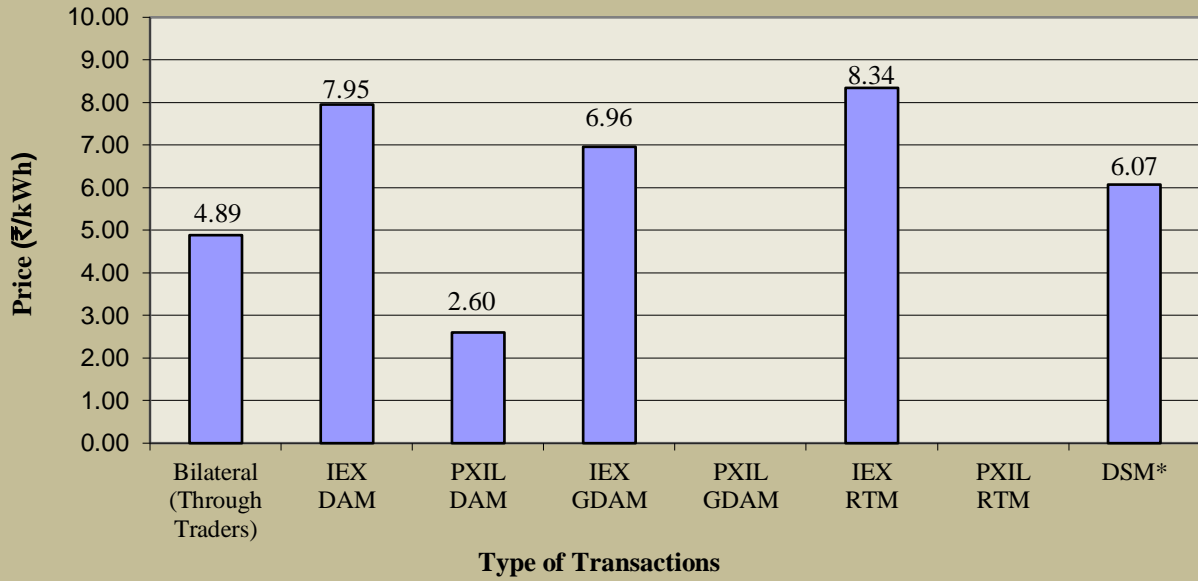
Table-11: VOLUME AND PRICE OF ELECTRICITY IN GREEN TERM AHEAD MARKET OF PXIL, MARCH 2022			
Sr.No	Green Term ahead contracts	Actual Scheduled Volume (MU)	Weighted Average Price (₹/kWh)
1	Intra-Day Contracts	2.83	9.77
2	Day Ahead Contingency Contracts	315.03	7.41
3	Any Day(s) Contracts	1.03	4.54
	Total	318.88	7.42

Source: PXIL

Table-12: PRICE OF ELECTRICITY TRANSACTED THROUGH DSM, MARCH 2022		
Sr.No	Item	Price in All India Grid (₹/kWh)
1	Minimum	0.00
2	Maximum	8.00
3	Average	6.07

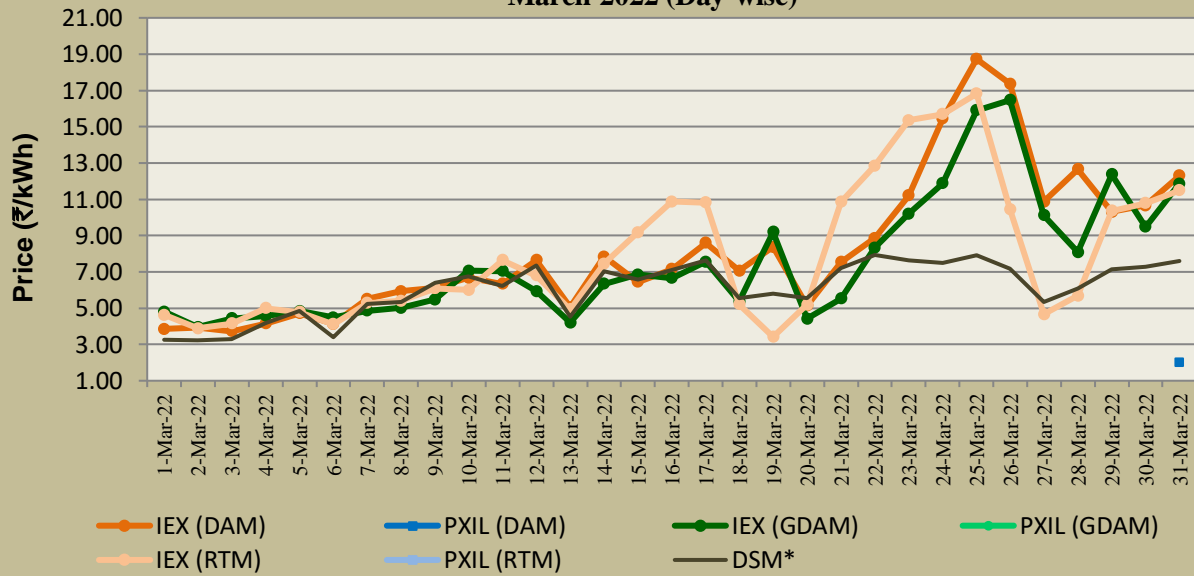
Source: NLDC

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



* Simple average price of DSM of the month

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



Note: On PXIL, transactions were recorded in DAM only on 7th and 31st March 2022. Further, no electricity was transacted in G-DAM & RTM of PXIL during March 2022.

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

Table-13: VOLUME OF ELECTRICITY SOLD THROUGH BILATERAL, MARCH 2022		
Name of the Entity	Volume of Sale (MUs)	% of Volume
RPREL	724.59	10.16
PUNJAB	684.19	9.59
DELHI	595.87	8.36
DB POWER	407.28	5.71
JITPL	400.31	5.61
REGL	390.01	5.47
SEMBCORP	369.04	5.17
RKM POWER	365.56	5.13
ESSAR POWER	335.08	4.70
KARNATAKA	312.87	4.39
JINDAL STAGE-II	296.46	4.16
JINDAL POWER	246.00	3.45
ADHUNIK POWER LTD	181.97	2.55
HARYANA	176.68	2.48
DVC	174.69	2.45
AHEJ4L_SOLAR	99.81	1.40
JAYPEE NIGRIE	95.34	1.34
J & K	93.12	1.31
UTTAR PRADESH	86.00	1.21
TEESTA STG3	85.77	1.20
MP	60.46	0.85
RENEWURJA_SLR	59.62	0.84
AYANA_RP1	58.46	0.82
MB POWER	55.85	0.78
WEST BENGAL	53.37	0.75
RENEWJH_SLR	50.63	0.71
TELANGANA	49.76	0.70
COASTGEN	48.60	0.68
JHABUA POWER_MP	47.09	0.66
AHEJOL_S_FTG2	43.89	0.62
ODISHA	41.51	0.58
AHEJ4L_WIND	36.83	0.52
TATA_SLR	36.63	0.51
AHEJ3L_SOLAR	36.38	0.51
DAGACHU	21.56	0.30
JHARKHAND	21.11	0.30
ADANI_SLR	20.61	0.29
ADANI_WIND	20.04	0.28
HIMACHAL PRADESH	19.38	0.27
AHEJ2L_SOLAR	18.59	0.26
SHREE CEMENT	17.21	0.24
MAHARASHTRA	16.27	0.23
SINGOLI BHATWARI HEP	16.01	0.22
GMR KAMALANGA	15.77	0.22
ONGC PALATANA	15.11	0.21
RAJASTHAN	13.06	0.18
UTTARAKHAND	12.09	0.17
ADANIHB_WIND	11.22	0.16
ASEJTL_SLR	9.10	0.13

BIHAR	8.40	0.12
NEEPCO STATIONS	7.05	0.10
LANKO_AMK	6.70	0.09
CLEANSR_SLR	6.22	0.09
SORANG HEP	5.94	0.08
JORETHANG	5.22	0.07
DIKCHU HEP	4.70	0.07
AHEJ2L_WIND	4.65	0.07
OSTRO	4.57	0.06
AHEJ3L_WIND	4.55	0.06
TASHIDENG HEP	4.53	0.06
CONTINNUM PT	4.36	0.06
ANDHRA PRADESH	3.72	0.05
SKS POWER	2.74	0.04
THAR1_SLR	2.40	0.03
NAGALAND	2.38	0.03
AZURE_MAPLE_SLR	2.03	0.03
KSK MAHANADI	1.20	0.02
GUJARAT	1.19	0.02
AVADARJHN_SLR	1.02	0.01
ACBIL	0.74	0.01
RENEW_SR_SLR	0.70	0.01
Total	7131.87	100.00
Volume Sold by top 5 Regional Entities	2812.24	39.43

Table-14: VOLUME OF ELECTRICITY PURCHASED THROUGH BILATERAL, MARCH 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
TAMIL NADU	1246.21	17.46
GUJARAT	1147.58	16.08
TELANGANA	694.94	9.74
MAHARASHTRA	671.36	9.41
ANDHRA PRADESH	542.27	7.60
ODISHA	483.83	6.78
HIMACHAL PRADESH	315.07	4.41
KERALA	210.36	2.95
AMPS Hazira	207.45	2.91
WEST BENGAL	203.62	2.85
RAJASTHAN	190.00	2.66
HARYANA	189.89	2.66
DELHI	189.44	2.65
MP	149.28	2.09
CHHATTISGARH	133.79	1.87
JHARKHAND	116.34	1.63
MEGHALAYA	67.97	0.95
BIHAR	52.30	0.73
SIKKIM	47.15	0.66
UTTAR PRADESH	42.42	0.59
UTTARAKHAND	39.16	0.55
PUNJAB	33.77	0.47
GOA	30.09	0.42
BALCO	26.38	0.37
BANGLADESH	24.00	0.34
MANIPUR	22.32	0.31
KARNATAKA	19.13	0.27
ARUNACHAL PRADESH	15.30	0.21
NEPAL(NVVN)	13.28	0.19
DVC	6.42	0.09
NAGALAND	2.80	0.04
DADRA & NAGAR HAVELI	1.25	0.02
NCR ALLAHABAD	1.20	0.02
TOTAL	7136.37	100.00
Volume Purchased by top 5 Regional Entities	4302.36	60.29

Table-15: VOLUME OF ELECTRICITY SOLD IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MARCH 2022		
Name of the Entity	Volume of Sale (MUs)	% of Volume
UTTAR PRADESH	911.20	15.55
RAJASTHAN	437.35	7.47
WEST BENGAL	361.36	6.17
BIHAR	357.16	6.10
JINDAL STAGE-II	297.25	5.07
MP	274.87	4.69
ODISHA	267.12	4.56
SEMBCORP	241.75	4.13
JAYPEE NIGRIE	228.88	3.91
JINDAL POWER	201.43	3.44
JITPL	193.32	3.30
RKM POWER	134.20	2.29
MB POWER	128.48	2.19
TEESTA STG3	127.52	2.18
HIMACHAL PRADESH	125.47	2.14
KARNATAKA	116.55	1.99
ACBIL	100.46	1.71
CHHATTISGARH	98.00	1.67
ESSAR POWER	95.07	1.62
DELHI	94.34	1.61
MAHARASHTRA	83.41	1.42
KERALA	71.88	1.23
TELANGANA	70.75	1.21
RPREL	53.57	0.91
ADHUNIK POWER LTD	52.57	0.90
SHREE CEMENT	50.26	0.86
JHARKHAND	44.23	0.75
ASSAM	43.22	0.74
NEEPCO STATIONS	43.18	0.74
MARUTI COAL	42.08	0.72
DVC	40.78	0.70
JHABUA POWER_MP	34.83	0.59
TAMIL NADU	31.70	0.54
GMR KAMALANGA	29.67	0.51
TRIPURA	25.97	0.44
RENEW_SR_SLR	25.79	0.44
ANDHRA PRADESH	24.56	0.42
AD HYDRO	23.52	0.40
SIKKIM	19.65	0.34
AHEJ3L_SOLAR	16.45	0.28
NLC	15.88	0.27
DB POWER	15.45	0.26
KARCHAM WANGTOO	14.94	0.25
SAINJ HEP	13.61	0.23
MIZORAM	11.32	0.19
J & K	10.78	0.18
ARUNACHAL PRADESH	10.76	0.18
ADANIHB_SLR	10.51	0.18
GOA	9.99	0.17

JORETHANG	9.67	0.17
SINGOLI BHATWARI HEP	9.51	0.16
TASHIDENG HEP	8.91	0.15
SKS POWER	7.75	0.13
RENEWJH_SLR	7.29	0.12
ONGC PALATANA	7.26	0.12
AHEJ4L_SOLAR	7.15	0.12
RGPPL	6.71	0.11
DIKCHU HEP	6.29	0.11
REGL	6.28	0.11
AHEJ2L_SOLAR	5.87	0.10
KSK MAHANADI	5.77	0.10
GUJARAT	5.75	0.10
SORANG HEP	4.96	0.08
PUNJAB	4.03	0.07
COASTGEN	3.74	0.06
ADANI GREEN	2.72	0.05
BALCO	2.63	0.04
DADRA & NAGAR HAVELI	2.21	0.04
UTTARAKHAND	1.98	0.03
RENEWURJA_SLR	1.86	0.03
CHUZACHEN HEP	1.56	0.03
DHARIWAL POWER	1.48	0.03
NAGALAND	1.22	0.02
HARYANA	0.74	0.01
LANCO BUDHIL	0.71	0.01
EMCO	0.48	0.01
NTPC STATIONS-NER	0.46	0.01
OSTRO	0.31	0.01
AYANA_RP1	0.16	0.003
NTPC STATIONS-ER	0.06	0.001
Total	5858.59	100.00
Volume sold by top 5 Regional Entities	2364.31	40.36

Table-16: VOLUME OF ELECTRICITY PURCHASED IN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MARCH 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
TELANGANA	1012.64	17.28
GUJARAT	799.65	13.65
ANDHRA PRADESH	770.43	13.15
TAMIL NADU	764.84	13.05
MAHARASHTRA	523.41	8.93
HARYANA	249.40	4.26
PUNJAB	215.37	3.68
UTTARAKHAND	192.51	3.29
UTTAR PRADESH	191.28	3.26
J & K	177.68	3.03
NEPAL(NVVN)	118.25	2.02
DELHI	104.43	1.78
KARNATAKA	104.15	1.78
WEST BENGAL	98.39	1.68
AMPS Hazira	86.72	1.48
RAJASTHAN	80.66	1.38
MP	62.02	1.06
ASSAM	61.51	1.05
DADRA & NAGAR HAVELI	52.90	0.90
DGPCL Bhutan	34.13	0.58
NEP	29.11	0.50
ODISHA	23.10	0.39
CHHATTISGARH	22.74	0.39
GOA	18.70	0.32
MEGHALAYA	11.76	0.20
JHARKHAND	11.39	0.19
BIHAR	11.27	0.19
HIMACHAL PRADESH	9.29	0.16
DAMAN AND DIU	7.57	0.13
KERALA	7.48	0.13
BALCO	3.16	0.05
NAGALAND	1.58	0.03
RAIL	0.74	0.01
NTPC STATIONS-WR	0.20	0.003
ARUNACHAL PRADESH	0.15	0.002
TOTAL	5858.59	100.00
Volume purchased by top 5 Regional Entities	3870.97	66.07

Table-17: VOLUME OF ELECTRICITY SOLD IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MARCH 2022		
Name of the Entity	Volume of Sale (MUs)	% of Volume
KARNATAKA	111.16	54.27
AHEJ3L_SOLAR	18.23	8.90
ADANIHB_SLR	10.65	5.20
MP	9.57	4.67
RENEWJH_SLR	8.38	4.09
J & K	6.53	3.19
ANDHRA PRADESH	6.20	3.03
RENEWURJA_SLR	6.13	2.99
AZURE_MAPLE_SLR	5.68	2.78
AHEJ2L_SOLAR	5.20	2.54
NTPC STATIONS-SR	4.82	2.36
TELANGANA	3.88	1.89
OSTRO	2.71	1.32
RAJASTHAN	1.43	0.70
AHEJ4L_SOLAR	1.32	0.64
MAHARASHTRA	0.84	0.41
KERALA	0.73	0.36
ADANI_WIND	0.46	0.23
ADANI GREEN	0.32	0.16
HIMACHAL PRADESH	0.29	0.14
AYANA_RP1	0.14	0.07
UTTARAKHAND	0.14	0.07
Total	204.82	100.00
Volume sold by top 5 Regional Entities	157.99	77.14

Table-18: VOLUME OF ELECTRICITY PURCHASED IN GREEN DAY AHEAD MARKET THROUGH POWER EXCHANGES, MARCH 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
ASSAM	61.11	29.84
DADRA & NAGAR HAVELI	32.31	15.78
MAHARASHTRA	29.21	14.26
PUNJAB	16.93	8.27
WEST BENGAL	8.94	4.36
JHARKHAND	7.28	3.55
UTTAR PRADESH	7.00	3.42
ODISHA	6.68	3.26
KERALA	6.67	3.26
DELHI	6.43	3.14
TELANGANA	6.26	3.06
KARNATAKA	5.73	2.80
MEGHALAYA	2.91	1.42
GUJARAT	2.10	1.03
UTTARAKHAND	1.71	0.84
HARYANA	1.60	0.78
RAIL	0.47	0.23
BIHAR	0.43	0.21
TAMIL NADU	0.36	0.17
RAJASTHAN	0.30	0.15
MP	0.17	0.08
MIZORAM	0.09	0.04
HIMACHAL PRADESH	0.07	0.03
DAMAN AND DIU	0.05	0.02
BALCO	0.01	0.003
TOTAL	204.82	100.00
Volume purchased by top 5 Regional Entities	148.51	72.51

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

Name of the Entity	Volume of Sale (MUs)	% of Volume
BIHAR	315.33	15.60
WEST BENGAL	237.96	11.78
MP	187.72	9.29
RAJASTHAN	183.43	9.08
ODISHA	111.60	5.52
HIMACHAL PRADESH	78.95	3.91
CHHATTISGARH	76.04	3.76
UTTAR PRADESH	68.80	3.40
DELHI	60.08	2.97
KERALA	56.62	2.80
TELANGANA	50.69	2.51
SEMBCORP	43.03	2.13
KARNATAKA	41.72	2.06
NEEPCO STATIONS	36.74	1.82
RKM POWER	34.47	1.71
ASSAM	34.25	1.69
MB POWER	33.15	1.64
MANIPUR	31.90	1.58
TRIPURA	30.99	1.53
DVC	30.18	1.49
JINDAL STAGE-II	30.17	1.49
EMCO	27.27	1.35
JINDAL POWER	19.64	0.97
RPREL	16.61	0.82
MAHARASHTRA	14.57	0.72
ANDHRA PRADESH	14.51	0.72
ESSAR POWER	14.28	0.71
J & K	11.15	0.55
NLC	11.09	0.55
SIKKIM	10.95	0.54
NTPC STATIONS-NER	10.29	0.51
JHARKHAND	9.00	0.45
JHABUA POWER_MP	6.83	0.34
KSK MAHANADI	6.70	0.33
SKS POWER	6.40	0.32
TEESTA STG3	5.38	0.27
TAMIL NADU	4.56	0.23
GUJARAT	4.29	0.21
NTPC STATIONS-NR	4.02	0.20
MEGHALAYA	3.93	0.19
GMR KAMALANGA	3.80	0.19
DIKCHU HEP	3.62	0.18
SINGOLI BHATWARI HEP	3.04	0.15
RENEWJH_SLR	2.86	0.14
ONGC PALATANA	2.44	0.12
ACBIL	2.43	0.12
ADHUNIK POWER LTD	2.32	0.11
REGL	1.97	0.10
GOA	1.71	0.08

JORETHANG	1.60	0.08
KARCHAM WANGTOO	1.42	0.07
SAINJ HEP	1.42	0.07
BALCO	1.26	0.06
SASAN UMPP	1.24	0.06
AD HYDRO	1.18	0.06
SORANG HEP	1.13	0.06
UTTARAKHAND	1.09	0.05
DB POWER	1.01	0.05
RGPPL_Others	0.97	0.05
OSTRO	0.90	0.04
DADRA & NAGAR HAVELI	0.89	0.04
HARYANA	0.85	0.04
MARUTI COAL	0.84	0.04
NAGALAND	0.83	0.04
AHEJ2L_SOLAR	0.66	0.03
ARUNACHAL PRADESH	0.63	0.03
RGPPL_IR	0.63	0.03
AHEJ3L_SOLAR	0.42	0.02
RENEWURJA_SLR	0.42	0.02
RENEW_SR_SLR	0.39	0.02
RGPPL	0.38	0.02
LANCO BUDHIL	0.21	0.01
SHREE CEMENT	0.18	0.01
NTPC STATIONS-SR	0.17	0.01
CHUZACHEN HEP	0.17	0.01
PUNJAB	0.16	0.01
JITPL	0.12	0.01
TASHIDENG HEP	0.10	0.01
DHARIWAL POWER	0.09	0.004
Total	2020.86	100.00
Volume sold by top 5 Regional Entities	1036.04	51.27

Table-20: VOLUME OF ELECTRICITY PURCHASED IN REAL TIME MARKET THROUGH POWER EXCHANGES, MARCH 2022		
Name of the Entity	Volume of Purchase (MUs)	% of Volume
TAMIL NADU	277.88	13.75
ANDHRA PRADESH	264.14	13.07
MAHARASHTRA	258.35	12.78
TELANGANA	204.21	10.10
J & K	202.30	10.01
GUJARAT	164.67	8.15
HARYANA	158.57	7.85
UTTAR PRADESH	106.18	5.25
DELHI	58.60	2.90
PUNJAB	45.50	2.25
RAJASTHAN	43.46	2.15
WEST BENGAL	41.08	2.03
UTTARAKHAND	29.48	1.46
ASSAM	21.33	1.06
CHHATTISGARH	20.17	1.00
ODISHA	17.81	0.88
KARNATAKA	17.49	0.87
MP	16.25	0.80
JHARKHAND	15.14	0.75
MEGHALAYA	9.47	0.47
HIMACHAL PRADESH	8.98	0.44
AMPS Hazira	8.12	0.40
BIHAR	8.09	0.40
DVC	5.33	0.26
KERALA	5.25	0.26
DADRA & NAGAR HAVELI	4.23	0.21
GOA	3.41	0.17
DAMAN AND DIU	2.02	0.10
MARUTI COAL	1.63	0.08
BALCO	0.80	0.04
RAIL	0.60	0.03
MANIPUR	0.16	0.01
JINDAL STAGE-II	0.08	0.004
TRIPURA	0.05	0.002
SIKKIM	0.02	0.001
NAGALAND	0.002	0.0001
TOTAL	2020.86	100.00
Volume purchased by top 5 Regional Entities	1206.88	59.72

Table-21: VOLUME OF ELECTRICITY UNDER DRAWAL (EXPORTED) THROUGH DSM, MARCH 2022		
Name of the Entity	Volume of Under drawal (MUs)	% of Volume
UTTAR PRADESH	132.63	6.17
NHPC STATIONS	121.87	5.67
KERALA	113.77	5.29
GUJARAT	92.61	4.31
MP	80.60	3.75
NTPC STATIONS-WR	78.94	3.67
RAJASTHAN	78.29	3.64
KARNATAKA	65.32	3.04
MAHARASHTRA	64.70	3.01
SASAN UMPP	55.25	2.57
PUNJAB	53.72	2.50
JHARKHAND	45.70	2.12
HARYANA	44.68	2.08
NTPC STATIONS-NR	42.45	1.97
PONDICHERRY	38.47	1.79
DELHI	35.32	1.64
SIKKIM	34.88	1.62
ANDHRA PRADESH	33.98	1.58
NTPC STATIONS-ER	32.76	1.52
INOX_BHUJ	32.62	1.52
ODISHA	32.34	1.50
NTPC STATIONS-SR	31.24	1.45
WEST BENGAL	29.83	1.39
TAMIL NADU	29.70	1.38
J & K	29.35	1.36
AHEJ4L_SOLAR	26.64	1.24
MANGDECHU HEP	25.84	1.20
AMPS Hazira	24.90	1.16
CHHATTISGARH	22.26	1.03
TALA HEP	22.20	1.03
AGEMPL BHUJ	21.61	1.00
BIHAR	19.98	0.93
GIWEL_BHUJ	19.35	0.90
CHANDIGARH	18.48	0.86
NEPAL(NVVN)	17.30	0.80
HIMACHAL PRADESH	15.54	0.72
BBMB	14.78	0.69
AZURE43_SLR	14.60	0.68
GOA	12.12	0.56
NJPC	11.92	0.55
NLC	11.75	0.55
OSTRO	11.06	0.51
ASSAM	10.73	0.50
NPGC	10.31	0.48
ALFANAR_BHUJ	10.15	0.47
TRIPURA	9.77	0.45
UTTARAKHAND	9.58	0.45
RENEW_BHUJ	9.18	0.43
RENEW_BHACHAU	8.87	0.41
CHUKHA HEP	8.59	0.40
AHEJ2L_SOLAR	8.08	0.38
LANKO_AMK	7.94	0.37
KURICHU HEP	7.80	0.36
RPREL	6.98	0.32
NEEPCO STATIONS	6.85	0.32
ADANIHB_SLR	6.80	0.32
RKM POWER	6.67	0.31
BETAM_TCN	6.47	0.30
ARUNACHAL PRADESH	6.00	0.28
AHEJ3L_SOLAR	5.83	0.27
KARCHAM WANGTOO	5.82	0.27
RAP C	5.61	0.26
RAMPUR HEP	5.47	0.25
IGSTPS	5.42	0.25
TEHRI	5.25	0.24
GIWEL_TCN	5.18	0.24
MEGHALAYA	4.94	0.23
JINDAL POWER	4.82	0.22

GMR KAMALANGA	4.72	0.22
ARERJL_SLR	4.69	0.22
ACBIL	4.64	0.22
JAYPEE NIGRIE	4.60	0.21
ESSAR POWER	4.59	0.21
MB POWER	4.51	0.21
TEESTA HEP	4.47	0.21
MIZORAM	4.34	0.20
RENEWURJA_SLR	4.29	0.20
AVADARJHN_SLR	4.19	0.19
DADRA & NAGAR HAVELI	3.97	0.18
BRBCL_NABINAGAR	3.96	0.18
AVAADASN_SLR	3.88	0.18
CLEAN_SLR	3.84	0.18
MAITHON POWER LTD	3.76	0.17
BALCO	3.75	0.17
ORANGE_TCN	3.70	0.17
SBSR_SLR	3.69	0.17
KOTESHWAR	3.66	0.17
BARC	3.63	0.17
JINDAL STAGE-II	3.36	0.16
MYTRAH_TCN	3.29	0.15
ACME_SLR	3.27	0.15
JHABUA POWER_MP	3.06	0.14
SBG_NPK	2.97	0.14
SB_SLR	2.95	0.14
MANIPUR	2.85	0.13
AYANA_RP1	2.85	0.13
AZURE41_SLR	2.82	0.13
RENEWSW_SLR	2.78	0.13
KSK MAHANADI	2.53	0.12
RENEWSB	2.50	0.12
NAGALAND	2.36	0.11
NTPC STATIONS-NER	2.35	0.11
NETCL VALLUR	2.34	0.11
NTPC_ANTP	2.31	0.11
JITPL	2.30	0.11
DVC	2.22	0.10
RENEWJH_SLR	2.17	0.10
MRPL	2.11	0.10
TEESTA STG3	2.10	0.10
DB POWER	2.07	0.10
RENEW_SLR_BKN	2.06	0.10
EDEN_SLR	2.03	0.09
DAMAN AND DIU	1.95	0.09
RAP B	1.90	0.09
ADHUNIK POWER LTD	1.89	0.09
SBG_PVGD	1.83	0.08
RANGIT HEP	1.76	0.08
EMCO	1.75	0.08
ONGC PALATANA	1.69	0.08
NSPCL	1.64	0.08
RENEW_SR_SLR	1.64	0.08
TRN ENERGY	1.59	0.07
ADY1_PVGD	1.57	0.07
ADY2_PVGD	1.57	0.07
ADY13_PVGD	1.57	0.07
ADY10_PVGD	1.57	0.07
SEMBCORP	1.51	0.07
ADY3_PVGD	1.49	0.07
ADY6_PVGD	1.49	0.07
FORTUM2_PVGD	1.36	0.06
SB6_POKARAN	1.35	0.06
MAHINDRA_RUMS	1.34	0.06
TATA_PVGD	1.32	0.06
SPRING_PUGALUR	1.30	0.06
AD HYDRO	1.27	0.06
ABSP_ANTP	1.23	0.06
KAPP 3&4	1.20	0.06
TELANGANA	1.16	0.05

TATA_ANTP	1.09	0.05
MTPS II	1.08	0.05
AZURE34_SLR	1.08	0.05
SPRNG_NPKUNTA	1.07	0.05
RANGANADI HEP	1.06	0.05
AYANA_NPKUNTA	1.05	0.05
FORTUMI_PVGD	1.05	0.05
THERMAL POWERTECH	1.02	0.05
AKSP_ANTP	1.01	0.05
CGPL	1.00	0.05
TATA_SLR	0.99	0.05
ACME_RUMS	0.95	0.04
OSTRO Hiriyur	0.92	0.04
AZURE_SLR	0.90	0.04
SAINJ HEP	0.90	0.04
CHUZACHEN HEP	0.89	0.04
RAIL	0.85	0.04
ARINSUM_RUMS	0.85	0.04
NAPP	0.84	0.04
AVAADA1_PVGD	0.81	0.04
FRV_NPK	0.77	0.04
FRV_ANTP	0.75	0.03
NEP	0.72	0.03
ASEJTL_SLR	0.69	0.03
AHSP_ANTP	0.65	0.03
SORANG HEP	0.64	0.03
PARAM_PVGD	0.62	0.03
DIKCHU HEP	0.60	0.03
GIPCL_RADHANESDA	0.58	0.03
AZURE_PVGD	0.58	0.03
AVAADA2_PVGD	0.56	0.03
SHREE CEMENT	0.56	0.03
LOKTAK	0.55	0.03
AZURE_ANTP	0.53	0.02
TPREL_RADHANESDA	0.53	0.02
PARE HEP	0.52	0.02
ESPL_RADHANESDA	0.52	0.02
DHARIWAL POWER	0.46	0.02
SINGOLI BHATWARI HEP	0.46	0.02
LANCO BUDHIL	0.45	0.02
SKS POWER	0.43	0.02
TASHIDENG HEP	0.38	0.02
BANGLADESH	0.35	0.02
RENEW_SLR	0.32	0.01
RGPPL	0.27	0.01
ARS_PVGD	0.22	0.01
THAR1_SLR	0.22	0.01
AKS_PVGD	0.20	0.01
DOYANG HEP	0.20	0.01
VINDHYACHAL HVDC	0.20	0.01
DAGACHU	0.20	0.01
HVDC RAIGARH	0.19	0.01
AZURE_MAPLE_SLR	0.19	0.01
YARROW_PVGD	0.18	0.01
RENEW_PVGD	0.18	0.01
JORETHANG	0.17	0.01
COASTGEN	0.14	0.01
DGPCL Bhutan	0.14	0.01
IL&FS	0.12	0.01
KREDL_PVGD	0.11	0.01
NFF	0.09	0.004
DCPP	0.08	0.004
NTPL	0.06	0.003
CLEANSR_SLR	0.05	0.002
BHADRAVATHI HVDC	0.02	0.001
HVDC ALPD	0.02	0.001
HVDC CHAMPA	0.01	0.001
Total	2150.81	100.00
Volume Exported by top 5 Regional Entities	541.48	25.18

Table-22: VOLUME OF ELECTRICITY OVER DRAWAL (IMPORTED) THROUGH DSM, MARCH 2022		
Name of the Entity	Volume of Over drawal (MUs)	% of Volume
NTPC STATIONS-WR	173.30	7.77
DGPCL Bhutan	148.21	6.64
NTPC STATIONS-NR	116.62	5.23
PONDICHERRY	99.84	4.47
ANDHRA PRADESH	82.59	3.70
RAJASTHAN	79.36	3.56
HARYANA	76.81	3.44
GUJARAT	75.39	3.38
MAHARASHTRA	75.31	3.37
NTPC STATIONS-ER	52.53	2.35
J & K	52.18	2.34
MP	48.37	2.17
NTPC STATIONS-SR	48.34	2.17
UTTAR PRADESH	46.06	2.06
NLC	40.90	1.83
UTTARAKHAND	40.72	1.82
KARNATAKA	36.50	1.64
KERALA	34.52	1.55
MANGDECHU HEP	32.50	1.46
BIHAR	32.31	1.45
HIMACHAL PRADESH	32.03	1.44
CHUKHA HEP	31.51	1.41
PUNJAB	29.31	1.31
WEST BENGAL	27.70	1.24
SIKKIM	27.57	1.24
JHARKHAND	26.57	1.19
CHHATTISGARH	25.96	1.16
RGPPL	24.45	1.10
IGSTPS	21.71	0.97
TALA HEP	19.48	0.87
GOA	18.96	0.85
RAIL	18.23	0.82
AMPS Hazira	18.08	0.81
NETCL VALLUR	16.82	0.75
THERMAL POWERTECH	16.64	0.75
TAMIL NADU	15.56	0.70
NHPC STATIONS	13.76	0.62
SEMBCORP	13.20	0.59
ASSAM	13.16	0.59
DAMAN AND DIU	12.99	0.58
DELHI	12.85	0.58
DADRA & NAGAR HAVELI	12.71	0.57
CGPL	11.67	0.52
NTPL	10.58	0.47
AHEJ4L_SOLAR	10.52	0.47
AGEMPL BHUJ	9.87	0.44
GIWEL_BHUJ	9.63	0.43
MB POWER	9.60	0.43
TELANGANA	9.14	0.41
GIWEL_TCN	8.84	0.40
BALCO	8.56	0.38
MYTRAH_TCN	8.50	0.38
ORANGE_TCN	8.36	0.37
ODISHA	8.15	0.37
AYANA_RP1	7.30	0.33
NTPC STATIONS-NER	7.24	0.32
JINDAL STAGE-II	6.68	0.30
NEP	6.62	0.30
BRBCL,NABINAGAR	6.10	0.27
RENEW_BHACHAU	6.10	0.27
RKM POWER	6.03	0.27
BETAM_TCN	5.93	0.27
RENEW_BHUJ	5.81	0.26
ALFANAR_BHUJ	5.48	0.25
OSTRO	5.41	0.24
NSPCL	5.27	0.24
KAPP 3&4	4.98	0.22
MAHINDRA_RUMS	4.85	0.22
IL&FS	4.66	0.21

DVC	4.60	0.21
ACME_RUMS	4.53	0.20
ARINSUM_RUMS	4.34	0.19
ADANIHB_SLR	4.24	0.19
AHEJ3L_SOLAR	3.97	0.18
NAPP	3.90	0.17
SB6_POKARAN	3.83	0.17
BBMB	3.77	0.17
MEGHALAYA	3.56	0.16
RENEWURJA_SLR	3.38	0.15
ESSAR POWER	3.22	0.14
SBG_NPK	3.20	0.14
RPREL	3.19	0.14
AZURE41_SLR	3.18	0.14
TEESTA STG3	3.16	0.14
ARUNACHAL PRADESH	2.94	0.13
CLEANSR_SLR	2.92	0.13
TATA_SLR	2.78	0.12
TEHRI	2.76	0.12
BANGLADESH	2.70	0.12
JINDAL POWER	2.65	0.12
NTPC_ANTP	2.61	0.12
CLEAN_SLR	2.54	0.11
KURICHU HEP	2.48	0.11
DB POWER	2.45	0.11
COASTGEN	2.42	0.11
JHABUA POWER_MP	2.42	0.11
DAGACHU	2.36	0.11
JORETHANG	2.30	0.10
NEPAL(NVVN)	2.26	0.10
TRIPURA	2.24	0.10
SBG_PVGD	2.21	0.10
SHREE CEMENT	2.20	0.10
EMCO	2.14	0.10
AVADARJHN_SLR	2.10	0.09
CHANDIGARH	2.07	0.09
AHSP_ANTP	2.07	0.09
TASHIDENG HEP	1.93	0.09
KARCHAM WANGTOO	1.91	0.09
RAP B	1.85	0.08
AHEJ2L_SOLAR	1.85	0.08
RAP C	1.84	0.08
RENEWJH_SLR	1.80	0.08
SKS POWER	1.72	0.08
MAITHON POWER LTD	1.71	0.08
RENEWSW_SLR	1.64	0.07
ADHUNIK POWER LTD	1.62	0.07
MANIPUR	1.61	0.07
ESPL_RADHANESDA	1.60	0.07
AZURE43_SLR	1.58	0.07
RENEWSB	1.58	0.07
ACBIL	1.55	0.07
JAYPEE NIGRIE	1.47	0.07
SPRING_PUGALUR	1.47	0.07
RENEW_SLR_BKN	1.47	0.07
NPGC	1.47	0.07
OSTRO Hiriyyur	1.41	0.06
NEEPCO STATIONS	1.36	0.06
RANGANADI HEP	1.35	0.06
AZURE_SLR	1.35	0.06
AVAADASN_SLR	1.34	0.06
EDEN_SLR	1.27	0.06
GIPCL_RADHANESDA	1.26	0.06
MTPS II	1.19	0.05
AD HYDRO	1.16	0.05
NJPC	1.16	0.05
TATA_ANTP	1.15	0.05
JITPL	1.15	0.05
AZURE34_SLR	1.06	0.05
ARERJL_SLR	1.05	0.05
KOTESHWAR	0.99	0.04
DGEN MEGA POWER	0.97	0.04

MRPL	0.96	0.04
LANKO_AMK	0.95	0.04
TATA_PVGD	0.94	0.04
SB_SLR	0.91	0.04
RENEW_SR_SLR	0.87	0.04
AZURE_MAPLE_SLR	0.85	0.04
TPREL_RADHANESDA	0.84	0.04
ACME_SLR	0.82	0.04
FORTUM1_PVGD	0.77	0.03
INOX_BHUJ	0.76	0.03
KSK MAHANADI	0.72	0.03
SPRNG_NPKUNTA	0.72	0.03
SORANG HEP	0.71	0.03
AYANA_NPKUNTA	0.66	0.03
NAGALAND	0.65	0.03
SASAN UMPP	0.63	0.03
GMR KAMALANGA	0.58	0.03
DIKCHU HEP	0.54	0.02
SBSR_SLR	0.50	0.02
MEENAKSHI	0.50	0.02
RANGIT HEP	0.49	0.02
ONGC PALATANA	0.46	0.02
SINGOLI BHATWARI HEP	0.46	0.02
AKSP_ANTP	0.46	0.02
CHUZACHEN HEP	0.45	0.02
ASEJTL_SLR	0.41	0.02
ADY3_PVGD	0.41	0.02
ADY6_PVGD	0.41	0.02
RENEW_SLR	0.40	0.02
SIMHAPURI	0.38	0.02
FRV_ANTP	0.38	0.02
ABSP_ANTP	0.38	0.02
LOKTAK	0.38	0.02
TRN ENERGY	0.37	0.02
HVDC PUS	0.37	0.02
DHARIWAL POWER	0.36	0.02
ADY1_PVGD	0.36	0.02
ADY2_PVGD	0.36	0.02
ADY13_PVGD	0.36	0.02
ADY10_PVGD	0.36	0.02
SAINJ HEP	0.35	0.02
FRV_NPK	0.32	0.01
LANKO KONDAPALLI	0.31	0.01
LANCO BUDHIL	0.30	0.01
AZURE_ANTP	0.29	0.01
FORTUM2_PVGD	0.28	0.01
AVAADA2_PVGD	0.26	0.01
KREDL_PVGD	0.24	0.01
TEESTA HEP	0.23	0.01
RAMPUR HEP	0.23	0.01
PARAM_PVGD	0.19	0.01
HVDC ALPD	0.17	0.01
HVDC CHAMPA	0.15	0.01
AVAADA1_PVGD	0.14	0.01
MIZORAM	0.14	0.01
DOYANG HEP	0.13	0.01
AZURE_PVGD	0.12	0.01
RENEW_PVGD	0.11	0.01
THAR1_SLR	0.09	0.004
YARROW_PVGD	0.09	0.004
AKS_PVGD	0.09	0.004
NFF	0.08	0.004
ARS_PVGD	0.07	0.003
BHADRAVATHI HVDC	0.07	0.003
DCPP	0.07	0.003
PARE HEP	0.05	0.002
HVDC RAIGARH	0.05	0.002
RONGNICHU HEP	0.02	0.001
VINDHYACHAL HVDC	0.001	0.00003
TOTAL	2231.63	100.00
Volume Imported by top 5 Regional Entities	620.57	27.81

Table-23: TOTAL VOLUME OF NET SHORT-TERM TRANSACTIONS OF ELECTRICITY (REGIONAL ENTITY-WISE), MARCH 2022		
S. No.	Name of the Entity	Total volume of net short-term transactions of electricity*
1	TAMIL NADU	2238.89
2	GUJARAT	2085.55
3	TELANGANA	1750.95
4	ANDHRA PRADESH	1576.47
5	MAHARASHTRA	1377.86
6	HARYANA	453.33
7	AMPS Hazira	295.47
8	J & K	281.22
9	UTTARAKHAND	278.71
10	DGPCL Bhutan	182.21
11	HIMACHAL PRADESH	125.82
12	NEPAL(NVNN)	116.48
13	DADRA & NAGAR HAVELI	96.34
14	NTPC STATIONS-WR	94.56
15	ODISHA	87.00
16	MEGHALAYA	86.81
17	NTPC STATIONS-NR	70.15
18	ASSAM	68.90
19	PONDICHERRY	61.37
20	JHARKHAND	56.68
21	GOA	47.33
22	NEP	35.01
23	BALCO	31.26
24	BANGLADESH	26.35
25	CHUKHA HEP	22.92
26	KERALA	21.29
27	DAMAN AND DIU	20.67
28	NTPC STATIONS-ER	19.71
29	RAIL	19.19
30	RGPPL	17.09
31	IGSTPS	16.29
32	THERMAL POWERTECH	15.62
33	NETCL VALLUR	14.48
34	NTPC STATIONS-SR	12.11
35	CGPL	10.67
36	NTPL	10.52
37	SIKKIM	9.27
38	MANGDECHU HEP	6.66
39	CHHATTISGARH	6.35
40	MYTRAH_TCN	5.21
41	ORANGE_TCN	4.66
42	IL&FS	4.54
43	KAPP 3&4	3.78
44	GIWEL_TCN	3.67
45	NSPCL	3.63
46	ACME_RUMS	3.57
47	MAHINDRA_RUMS	3.51
48	ARINSUM_RUMS	3.49
49	NAPP	3.06
50	SB6_POKARAN	2.48
51	NLC	2.19
52	BRBCL,NABINAGAR	2.14
53	AHSP_ANTP	1.43
54	NCR ALLAHABAD	1.20
55	ESPL_RADHANESDA	1.09
56	ARUNACHAL PRADESH	0.99
57	DGEN MEGA POWER	0.97
58	GIPCL_RADHANESDA	0.68
59	MEENAKSHI	0.50
60	OSTRO Hiriyur	0.49
61	AZURE_SLR	0.45

62	SIMHAPURI	0.38
63	SBG PVGD	0.38
64	HVDC PUS	0.37
65	AZURE41_SLR	0.35
66	LANKO KONDAPALLI	0.31
67	TPREL_RADHANESDA	0.31
68	NTPC_ANTP	0.30
69	RANGANADI HEP	0.29
70	SBG_NPK	0.24
71	SPRING_PUGALUR	0.17
72	HVDC ALPD	0.15
73	HVDC CHAMPA	0.14
74	KREDL_PVGD	0.14
75	MTPS II	0.11
76	RENEW_SLR	0.08
77	TATA_ANTP	0.06
78	BHADRAVATHI HVDC	0.05
79	RONGNICHU HEP	0.02
80	NFF	-0.01
81	DCPP	-0.02
82	AZURE34_SLR	-0.02
83	RAP B	-0.05
84	RENEW_PVGD	-0.07
85	DOYANG HEP	-0.07
86	YARROW_PVGD	-0.10
87	AKS_PVGD	-0.11
88	HVDC RAIGARH	-0.14
89	ARS_PVGD	-0.15
90	LOKTAK	-0.17
91	VINDHYACHAL HVDC	-0.20
92	AZURE_ANTP	-0.24
93	FORTUM1_PVGD	-0.28
94	AVAADA2_PVGD	-0.29
95	SPRNG_NPKUNTA	-0.35
96	FRV_ANTP	-0.37
97	TATA_PVGD	-0.38
98	AYANA_NPKUNTA	-0.39
99	PARAM_PVGD	-0.42
100	FRV_NPK	-0.45
101	AZURE_PVGD	-0.46
102	PARE HEP	-0.47
103	BETAM_TCN	-0.54
104	AKSP_ANTP	-0.56
105	RENEW_SLR_BKN	-0.59
106	RGPPL_IR	-0.63
107	AVAADA1_PVGD	-0.67
108	EDEN_SLR	-0.76
109	ABSP_ANTP	-0.85
110	RENEWSB	-0.92
111	RGPPL_Others	-0.97
112	LANCO BUDHIL	-1.07
113	FORTUM2_PVGD	-1.08
114	ADY3_PVGD	-1.08
115	ADY6_PVGD	-1.08
116	RENEWSW_SLR	-1.14
117	MRPL	-1.15
118	ADY1_PVGD	-1.22
119	ADY2_PVGD	-1.22
120	ADY13_PVGD	-1.22
121	ADY10_PVGD	-1.22
122	TRN ENERGY	-1.22
123	RANGIT HEP	-1.27
124	CLEAN_SLR	-1.30
125	DHARIWAL POWER	-1.67
126	NAGALAND	-1.75
127	MAITHON POWER LTD	-2.05

128	SB_SLR	-2.05
129	CHUZACHEN HEP	-2.18
130	ACME_SLR	-2.45
131	TEHRI	-2.50
132	THARI_SLR	-2.53
133	AVAADASN_SLR	-2.55
134	KOTESHWAR	-2.67
135	TALA HEP	-2.72
136	RENEW_BHACHAU	-2.77
137	ADANI GREEN	-3.04
138	AVADARJHN_SLR	-3.11
139	SBSR_SLR	-3.19
140	CLEANSR_SLR	-3.35
141	RENEW_BHUJ	-3.38
142	BARC	-3.63
143	ARERJL_SLR	-3.64
144	RAP C	-3.77
145	TEESTA HEP	-4.24
146	CONTINNUM PT	-4.36
147	AHEJ3L_WIND	-4.55
148	AHEJ2L_WIND	-4.65
149	ALFANAR_BHUJ	-4.67
150	RAMPUR HEP	-5.24
151	KURICHU HEP	-5.32
152	NTPC STATIONS-NER	-5.86
153	AZURE_MAPLE_SLR	-7.05
154	NPGC	-8.84
155	ASEJTL_SLR	-9.39
156	GIWEL_BHUJ	-9.72
157	MANIPUR	-10.67
158	NJPC	-10.76
159	BBMB	-11.01
160	ADANIHB_WIND	-11.22
161	AGEMPL BHUJ	-11.74
162	SORANG HEP	-11.96
163	TASHIDENG HEP	-12.00
164	AZURE43_SLR	-13.02
165	LANKO_AMK	-13.69
166	OSTRO	-14.13
167	JORETHANG	-14.36
168	DIKCHU HEP	-14.66
169	MIZORAM	-15.43
170	KSK MAHANADI	-15.49
171	SAINJ HEP	-15.57
172	SKS POWER	-15.60
173	CHANDIGARH	-16.40
174	DAGACHU	-19.40
175	KARCHAM WANGTOO	-20.27
176	ADANI_WIND	-20.50
177	ADANI_SLR	-20.61
178	ADANIHB_SLR	-23.72
179	AD HYDRO	-24.80
180	ONGC PALATANA	-26.03
181	EMCO	-27.36
182	RENEW_SR_SLR	-27.65
183	SINGOLI BHATWARI HEP	-28.55
184	INOX_BHUJ	-31.86
185	TATA_SLR	-34.83
186	AHEJ2L_SOLAR	-36.55
187	AHEJ4L_WIND	-36.83
188	MARUTI COAL	-41.30
189	AHEJOL_S_FTG2	-43.89
190	COASTGEN	-50.06
191	GMR KAMALANGA	-53.38
192	AYANA_RP1	-54.30
193	SASAN UMPP	-55.85

194	TRIPURA	-64.45
195	SHREE CEMENT	-66.01
196	RENEWURJA_SLR	-68.95
197	RENEWJH_SLR	-69.53
198	AHEJ3L_SOLAR	-73.35
199	JHABUA POWER_MP	-89.39
200	NEEPCO STATIONS	-92.47
201	ACBIL	-106.73
202	NHPC STATIONS	-108.11
203	AHEJ4L_SOLAR	-124.38
204	MB POWER	-212.39
205	TEESTA STG3	-217.61
206	DVC	-231.51
207	ADHUNIK POWER LTD	-237.13
208	WEST BENGAL	-302.80
209	RAJASTHAN	-319.77
210	JAYPEE NIGRIE	-327.35
211	MP	-337.14
212	REGL	-398.26
213	PUNJAB	-401.22
214	DELHI	-413.87
215	DB POWER	-423.37
216	ESSAR POWER	-445.81
217	KARNATAKA	-464.62
218	JINDAL POWER	-469.24
219	RKM POWER	-534.87
220	JITPL	-594.89
221	BIHAR	-596.46
222	JINDAL STAGE-II	-620.48
223	SEMBCORP	-642.12
224	RPREL	-798.56
225	UTTAR PRADESH	-805.69
<i>* Total volume of net short-term transactions of electricity includes net of transactions of electricity through bilateral, power exchange and DSM</i>		
<i>(-) indicates sale and (+) indicates purchase</i>		

Table-24: DETAILS OF CONGESTION IN POWER EXCHANGES, MARCH 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)	5858.39	0.20	204.82	0.00	2023.99	0.00
B	Actual Cleared Volume and hence scheduled (MUs)	5858.39	0.20	204.82	0.00	2020.86	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	3.13	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%	0.15%	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%	4.70%	0.00%
G	Congestion occurrence (%) time block wise						
	0.00 - 6.00 hours	0.00%	0.00%	0.00%	0.00%	2.14%	0.00%
	6.00 - 12.00 hours	0.00%	0.00%	0.00%	0.00%	25.00%	0.00%
	12.00 - 18.00 hours	0.00%	0.00%	0.00%	0.00%	15.00%	0.00%
	18.00 - 24.00 hours	0.00%	0.00%	0.00%	0.00%	57.86%	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), MARCH 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-Mar-22	191.19	46.82	206.18	0.00	7.88	0.00	55.29	0.00	63.93	3811.13
2-Mar-22	188.53	49.56	199.40	0.00	8.71	0.00	53.33	0.00	68.75	3749.19
3-Mar-22	192.49	48.00	185.84	0.00	7.87	0.00	47.92	0.00	64.42	3738.01
4-Mar-22	193.10	47.80	178.94	0.00	7.78	0.00	54.46	0.00	65.18	3805.26
5-Mar-22	189.40	49.08	185.42	0.00	8.01	0.00	65.05	0.00	64.64	3842.49
6-Mar-22	189.16	47.80	193.22	0.00	7.23	0.00	48.59	0.00	65.24	3756.62
7-Mar-22	179.82	50.06	198.70	0.04	7.26	0.00	68.98	0.00	66.86	3829.68
8-Mar-22	174.85	48.61	222.32	0.00	8.02	0.00	71.10	0.00	66.12	3882.22
9-Mar-22	181.20	45.76	222.33	0.00	5.94	0.00	76.54	0.00	66.62	3915.53
10-Mar-22	164.46	46.34	245.05	0.00	4.76	0.00	68.75	0.00	67.08	3980.06
11-Mar-22	166.06	46.30	244.39	0.00	5.59	0.00	57.47	0.00	64.74	4020.77
12-Mar-22	164.20	45.50	226.40	0.00	8.31	0.00	56.15	0.00	61.17	4000.98
13-Mar-22	159.72	46.18	201.42	0.00	9.33	0.00	59.20	0.00	62.41	3904.44
14-Mar-22	185.54	46.98	206.49	0.00	5.61	0.00	58.89	0.00	69.08	4036.32
15-Mar-22	176.97	48.57	212.00	0.00	5.10	0.00	64.04	0.00	67.87	4102.48
16-Mar-22	181.11	48.88	193.45	0.00	6.57	0.00	63.08	0.00	69.83	4162.65
17-Mar-22	196.02	48.21	169.76	0.00	5.19	0.00	66.42	0.00	74.78	4150.62
18-Mar-22	172.50	50.17	163.25	0.00	6.68	0.00	67.68	0.00	76.93	3822.67
19-Mar-22	178.43	49.54	189.07	0.00	6.23	0.00	53.24	0.00	80.14	3827.34
20-Mar-22	182.74	48.17	148.13	0.00	10.69	0.00	54.37	0.00	75.18	3910.28
21-Mar-22	174.22	51.92	168.32	0.00	8.29	0.00	69.47	0.00	72.43	4094.78
22-Mar-22	185.45	52.56	179.92	0.00	4.87	0.00	65.63	0.00	74.06	4125.21
23-Mar-22	182.00	53.72	186.17	0.00	5.20	0.00	62.68	0.00	70.95	4146.21
24-Mar-22	177.56	52.84	156.46	0.00	4.24	0.00	87.69	0.00	73.27	4148.08
25-Mar-22	171.81	52.41	154.18	0.00	4.00	0.00	96.60	0.00	74.67	4171.39
26-Mar-22	167.95	51.22	166.37	0.00	5.62	0.00	91.44	0.00	80.37	4144.10
27-Mar-22	178.67	51.40	171.92	0.00	6.96	0.00	60.89	0.00	78.88	4021.29
28-Mar-22	189.71	51.34	159.88	0.00	6.47	0.00	72.30	0.00	78.42	4111.92
29-Mar-22	193.27	51.57	167.93	0.00	4.39	0.00	66.45	0.00	76.81	4166.23
30-Mar-22	191.15	49.27	184.55	0.00	6.73	0.00	66.69	0.00	74.34	4232.11
31-Mar-22	190.77	49.74	170.93	0.16	5.32	0.00	70.47	0.00	76.09	4256.93
Total	5610.06	1526.31	5858.39	0.20	204.82	0.00	2020.86	0.00	2191.24	123866.99

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), MARCH 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	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-Mar-22	2.42	8.00	3.85	-	-	-	3.62	20.00	4.80	-	-	-
2-Mar-22	2.66	8.00	3.93	-	-	-	3.62	5.50	3.96	-	-	-
3-Mar-22	2.45	8.00	3.72	-	-	-	3.50	8.10	4.42	-	-	-
4-Mar-22	2.64	8.52	4.15	-	-	-	3.50	8.00	4.57	-	-	-
5-Mar-22	3.00	11.20	4.72	-	-	-	3.70	10.00	4.84	-	-	-
6-Mar-22	2.59	12.00	4.13	-	-	-	3.51	8.00	4.48	-	-	-
7-Mar-22	3.19	15.00	5.51	4.99	4.99	4.99	3.25	9.00	4.86	-	-	-
8-Mar-22	3.05	15.01	5.93	-	-	-	3.50	9.00	5.02	-	-	-
9-Mar-22	3.17	16.05	6.11	-	-	-	4.50	12.00	5.47	-	-	-
10-Mar-22	3.24	17.97	6.68	-	-	-	3.34	17.00	7.06	-	-	-
11-Mar-22	3.19	20.00	6.33	-	-	-	3.65	18.00	7.04	-	-	-
12-Mar-22	3.80	20.00	7.63	-	-	-	3.65	18.00	5.93	-	-	-
13-Mar-22	3.05	11.11	5.06	-	-	-	3.50	12.50	4.19	-	-	-
14-Mar-22	3.32	20.00	7.83	-	-	-	3.65	17.01	6.34	-	-	-
15-Mar-22	3.71	15.00	6.44	-	-	-	3.90	20.00	6.85	-	-	-
16-Mar-22	3.37	16.00	7.15	-	-	-	4.23	18.00	6.65	-	-	-
17-Mar-22	4.00	20.00	8.59	-	-	-	4.50	18.00	7.55	-	-	-
18-Mar-22	3.12	20.00	7.06	-	-	-	3.50	20.00	5.36	-	-	-
19-Mar-22	3.50	20.00	8.37	-	-	-	4.50	20.00	9.19	-	-	-
20-Mar-22	3.30	8.46	5.14	-	-	-	3.59	20.00	4.42	-	-	-
21-Mar-22	4.57	20.00	7.54	-	-	-	3.65	18.91	5.53	-	-	-
22-Mar-22	5.65	20.00	8.86	-	-	-	5.90	20.00	8.34	-	-	-
23-Mar-22	7.50	20.00	11.21	-	-	-	7.00	20.00	10.21	-	-	-
24-Mar-22	11.11	20.00	15.44	-	-	-	6.50	20.00	11.88	-	-	-
25-Mar-22	15.28	20.00	18.73	-	-	-	10.00	20.00	15.90	-	-	-
26-Mar-22	10.00	20.00	17.36	-	-	-	13.00	20.00	16.46	-	-	-
27-Mar-22	3.78	17.50	10.87	-	-	-	6.00	20.00	10.10	-	-	-
28-Mar-22	3.80	20.00	12.66	-	-	-	5.00	20.00	8.08	-	-	-
29-Mar-22	3.61	20.00	10.31	-	-	-	6.87	20.00	12.38	-	-	-
30-Mar-22	3.85	18.00	10.67	-	-	-	7.07	20.00	9.47	-	-	-
31-Mar-22	4.00	18.06	12.30	2.00	2.00	2.00	6.95	20.00	11.85	-	-	-
	2.42[#]	20.00[#]	7.95	2.00[#]	4.99[#]	2.60	3.25[#]	20.00[#]	6.96	-	-	-

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), MARCH 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-Mar-22	2.50	16.00	4.62	-	-	-	0.00	7.22	3.27
2-Mar-22	2.29	6.50	3.88	-	-	-	0.00	8.00	3.23
3-Mar-22	2.02	5.64	4.15	-	-	-	0.00	7.74	3.31
4-Mar-22	2.90	12.00	5.00	-	-	-	0.00	8.00	4.19
5-Mar-22	2.68	15.00	4.79	-	-	-	0.98	8.00	4.84
6-Mar-22	2.57	8.00	4.11	-	-	-	0.00	7.04	3.41
7-Mar-22	2.51	12.00	5.28	-	-	-	0.00	8.00	5.24
8-Mar-22	2.87	15.00	5.40	-	-	-	0.00	8.00	5.32
9-Mar-22	2.70	20.00	6.09	-	-	-	0.00	8.00	6.41
10-Mar-22	2.70	20.00	6.00	-	-	-	0.00	8.00	6.74
11-Mar-22	3.75	20.00	7.65	-	-	-	1.31	8.00	6.23
12-Mar-22	3.12	20.00	6.80	-	-	-	1.57	8.00	7.35
13-Mar-22	2.02	14.00	4.92	-	-	-	0.00	6.86	4.55
14-Mar-22	2.60	20.00	7.46	-	-	-	0.00	8.00	7.03
15-Mar-22	3.07	20.00	9.17	-	-	-	0.00	8.00	6.58
16-Mar-22	5.00	20.00	10.88	-	-	-	0.00	8.00	7.11
17-Mar-22	4.36	20.00	10.82	-	-	-	3.20	8.00	7.63
18-Mar-22	1.00	20.00	5.22	-	-	-	0.00	8.00	5.56
19-Mar-22	1.61	5.39	3.42	-	-	-	0.00	8.00	5.80
20-Mar-22	2.36	14.03	5.20	-	-	-	2.08	8.00	5.54
21-Mar-22	4.50	20.00	10.85	-	-	-	2.93	8.00	7.22
22-Mar-22	5.00	20.00	12.85	-	-	-	6.40	8.00	7.93
23-Mar-22	8.00	20.00	15.36	-	-	-	1.60	8.00	7.63
24-Mar-22	8.00	20.00	15.68	-	-	-	0.00	8.00	7.48
25-Mar-22	8.94	20.00	16.82	-	-	-	4.80	8.00	7.92
26-Mar-22	4.18	20.00	10.44	-	-	-	0.00	8.00	7.17
27-Mar-22	2.00	14.23	4.67	-	-	-	0.00	8.00	5.33
28-Mar-22	2.99	12.00	5.68	-	-	-	0.00	8.00	6.07
29-Mar-22	3.48	20.00	10.36	-	-	-	0.00	8.00	7.13
30-Mar-22	3.62	20.00	10.79	-	-	-	0.00	8.00	7.27
31-Mar-22	3.48	20.00	11.49	-	-	-	0.00	8.00	7.62
	1.00#	20.00#	8.34	-	-	-	0.00#	8.00#	6.07

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), MARCH 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	684.19	33.77	-650.42	4.20	277.81	273.61	29.31	53.72	-24.41	-401.22
HARYANA	176.68	189.89	13.21	1.59	409.57	407.99	76.81	44.68	32.13	453.33
RAJASTHAN	13.06	190.00	176.94	622.21	124.42	-497.79	79.36	78.29	1.07	-319.77
DELHI	595.87	189.44	-406.43	154.42	169.45	15.03	12.85	35.32	-22.47	-413.87
UTTAR PRADESH	86.00	42.42	-43.58	980.00	304.45	-675.54	46.06	132.63	-86.57	-805.69
UTTARAKHAND	12.09	39.16	27.07	3.20	223.70	220.50	40.72	9.58	31.14	278.71
HIMACHAL PRADESH	19.38	315.07	295.69	204.71	18.35	-186.37	32.03	15.54	16.49	125.82
J & K	93.12	0.00	-93.12	28.47	379.98	351.51	52.18	29.35	22.84	281.22
CHANDIGARH	0.00	0.00	0.00	0.00	0.00	0.00	2.07	18.48	-16.40	-16.40
MP	60.46	149.28	88.82	472.17	78.44	-393.73	48.37	80.60	-32.23	-337.14
MAHARASHTRA	16.27	671.36	655.09	98.82	810.98	712.16	75.31	64.70	10.62	1377.86
GUJARAT	1.19	1147.58	1146.39	10.04	966.42	956.37	75.39	92.61	-17.22	2085.55
CHHATTISGARH	0.00	133.79	133.79	174.05	42.91	-131.14	25.96	22.26	3.70	6.35
GOA	0.00	30.09	30.09	11.70	22.11	10.40	18.96	12.12	6.84	47.33
DAMAN AND DIU	0.00	0.00	0.00	0.00	9.63	9.63	12.99	1.95	11.04	20.67
DADRA & NAGAR HAV	0.00	1.25	1.25	3.10	89.45	86.35	12.71	3.97	8.74	96.34
ANDHRA P	3.72	542.27	538.55	45.27	1034.57	989.30	82.59	33.98	48.62	1576.47
KARNATAKA	312.87	19.13	-293.74	269.43	127.37	-142.05	36.50	65.32	-28.83	-464.62
KERALA	0.00	210.36	210.36	129.23	19.41	-109.82	34.52	113.77	-79.25	21.29
TAMIL NADU	0.00	1246.21	1246.21	36.26	1043.08	1006.82	15.56	29.70	-14.14	2238.89
PONDICHERRY	0.00	0.00	0.00	0.00	0.00	0.00	99.84	38.47	61.37	61.37
TELANGANA	49.76	694.94	645.18	125.32	1223.11	1097.79	9.14	1.16	7.98	1750.95
WEST BENGAL	53.37	203.62	150.24	599.31	148.40	-450.91	27.70	29.83	-2.14	-302.80
ODISHA	41.51	483.83	442.32	378.72	47.59	-331.13	8.15	32.34	-24.19	87.00
BIHAR	8.40	52.30	43.90	672.49	19.80	-652.69	32.31	19.98	12.33	-596.46
JHARKHAND	21.11	116.34	95.23	53.23	33.81	-19.42	26.57	45.70	-19.13	56.68
SIKKIM	0.00	47.15	47.15	30.60	0.02	-30.58	27.57	34.88	-7.30	9.27
DVC	174.69	6.42	-168.27	70.96	5.33	-65.63	4.60	2.22	2.39	-231.51
ARUNACHAL P	0.00	15.30	15.30	11.40	0.15	-11.25	2.94	6.00	-3.06	0.99
ASSAM	0.00	0.00	0.00	77.47	143.95	66.47	13.16	10.73	2.43	68.90
MANIPUR	0.00	22.32	22.32	31.90	0.16	-31.74	1.61	2.85	-1.25	-10.67
MEGHALAYA	0.00	67.97	67.97	3.93	24.14	20.21	3.56	4.94	-1.38	86.81
MIZORAM	0.00	0.00	0.00	11.32	0.09	-11.23	0.14	4.34	-4.20	-15.43
NAGALAND	2.38	2.80	0.43	2.05	1.58	-0.47	0.65	2.36	-1.71	-1.75
TRIPURA	0.00	0.00	0.00	56.96	0.05	-56.91	2.24	9.77	-7.53	-64.45
NTPC STATIONS-NR	0.00	0.00	0.00	4.02	0.00	-4.02	116.62	42.45	74.18	70.15
NHPC STATIONS	0.00	0.00	0.00	0.00	0.00	0.00	13.76	121.87	-108.11	-108.11
NFF	0.00	0.00	0.00	0.00	0.00	0.00	0.08	0.09	-0.01	-0.01
RAIL	0.00	0.00	0.00	0.00	1.81	1.81	18.23	0.85	17.38	19.19
NEP	0.00	0.00	0.00	0.00	29.11	29.11	6.62	0.72	5.89	35.01
NAPP	0.00	0.00	0.00	0.00	0.00	0.00	3.90	0.84	3.06	3.06
RAP B	0.00	0.00	0.00	0.00	0.00	0.00	1.85	1.90	-0.05	-0.05
NJPC	0.00	0.00	0.00	0.00	0.00	0.00	1.16	11.92	-10.76	-10.76
TEHRI	0.00	0.00	0.00	0.00	0.00	0.00	2.76	5.25	-2.50	-2.50
BBMB	0.00	0.00	0.00	0.00	0.00	0.00	3.77	14.78	-11.01	-11.01
RAP C	0.00	0.00	0.00	0.00	0.00	0.00	1.84	5.61	-3.77	-3.77
AD HYDRO	0.00	0.00	0.00	24.70	0.00	-24.70	1.16	1.27	-0.11	-24.80
IGSTPS	0.00	0.00	0.00	0.00	0.00	0.00	21.71	5.42	16.29	16.29
KOTESHWAR	0.00	0.00	0.00	0.00	0.00	0.00	0.99	3.66	-2.67	-2.67
KARCHAM WANGTOO	0.00	0.00	0.00	16.36	0.00	-16.36	1.91	5.82	-3.91	-20.27
SHREE CEMENT	17.21	0.00	-17.21	50.44	0.00	-50.44	2.20	0.56	1.64	-66.01
LANCO BUDHIL	0.00	0.00	0.00	0.92	0.00	-0.92	0.30	0.45	-0.15	-1.07
RAMPUR HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.23	5.47	-5.24	-5.24
SORANG HEP	5.94	0.00	-5.94	6.09	0.00	-6.09	0.71	0.64	0.06	-11.96
SAINJ HEP	0.00	0.00	0.00	15.02	0.00	-15.02	0.35	0.90	-0.55	-15.57
RENEW_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.32	0.08	0.08

AZURE_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.35	0.90	0.45	0.45
SB_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.91	2.95	-2.05	-2.05
ACME_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.82	3.27	-2.45	-2.45
AZURE34_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.06	1.08	-0.02	-0.02
TATA_SLR	36.63	0.00	-36.63	0.00	0.00	0.00	2.78	0.99	1.79	-34.83
RENEW_SLR_BKN	0.00	0.00	0.00	0.00	0.00	0.00	1.47	2.06	-0.59	-0.59
CLEAN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	2.54	3.84	-1.30	-1.30
ARERJL_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.05	4.69	-3.64	-3.64
ADANI GREEN	0.00	0.00	0.00	3.04	0.00	-3.04	0.00	0.00	0.00	-3.04
ASEJTL_SLR	9.10	0.00	-9.10	0.00	0.00	0.00	0.41	0.69	-0.28	-9.39
SINGOLI BHATWARI HE	16.01	0.00	-16.01	12.54	0.00	-12.54	0.46	0.46	0.00	-28.55
AZURE43_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.58	14.60	-13.02	-13.02
MRPL	0.00	0.00	0.00	0.00	0.00	0.00	0.96	2.11	-1.15	-1.15
SB6_POKARAN	0.00	0.00	0.00	0.00	0.00	0.00	3.83	1.35	2.48	2.48
EDEN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.27	2.03	-0.76	-0.76
SBSR_SLR	0.00	0.00	0.00	0.00	0.00	0.00	0.50	3.69	-3.19	-3.19
RENEWSW_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.64	2.78	-1.14	-1.14
ADANIHB_SLR	0.00	0.00	0.00	21.16	0.00	-21.16	4.24	6.80	-2.57	-23.72
RENEWJH_SLR	50.63	0.00	-50.63	18.53	0.00	-18.53	1.80	2.17	-0.37	-69.53
ADANIHB_WIND	11.22	0.00	-11.22	0.00	0.00	0.00	0.00	0.00	0.00	-11.22
ADANI_SLR	20.61	0.00	-20.61	0.00	0.00	0.00	0.00	0.00	0.00	-20.61
AHEJOL_S_FTG2	43.89	0.00	-43.89	0.00	0.00	0.00	0.00	0.00	0.00	-43.89
AHEJ2L_SOLAR	18.59	0.00	-18.59	11.73	0.00	-11.73	1.85	8.08	-6.23	-36.55
AHEJ2L_WIND	4.65	0.00	-4.65	0.00	0.00	0.00	0.00	0.00	0.00	-4.65
AHEJ3L_SOLAR	36.38	0.00	-36.38	35.11	0.00	-35.11	3.97	5.83	-1.86	-73.35
AHEJ3L_WIND	4.55	0.00	-4.55	0.00	0.00	0.00	0.00	0.00	0.00	-4.55
AHEJ4L_WIND	36.83	0.00	-36.83	0.00	0.00	0.00	0.00	0.00	0.00	-36.83
AHEJ4L_SOLAR	99.81	0.00	-99.81	8.46	0.00	-8.46	10.52	26.64	-16.12	-124.38
RENEWSB	0.00	0.00	0.00	0.00	0.00	0.00	1.58	2.50	-0.92	-0.92
AZURE41_SLR	0.00	0.00	0.00	0.00	0.00	0.00	3.18	2.82	0.35	0.35
AYANA_RP1	58.46	0.00	-58.46	0.29	0.00	-0.29	7.30	2.85	4.45	-54.30
AVAADASN_SLR	0.00	0.00	0.00	0.00	0.00	0.00	1.34	3.88	-2.55	-2.55
RENEWURJA_SLR	59.62	0.00	-59.62	8.42	0.00	-8.42	3.38	4.29	-0.91	-68.95
AVADARJHN_SLR	1.02	0.00	-1.02	0.00	0.00	0.00	2.10	4.19	-2.09	-3.11
NCR ALLAHABAD	0.00	1.20	1.20	0.00	0.00	0.00	0.00	0.00	0.00	1.20
RENEW_SR_SLR	0.70	0.00	-0.70	26.18	0.00	-26.18	0.87	1.64	-0.77	-27.65
AZURE_MAPLE_SLR	2.03	0.00	-2.03	5.68	0.00	-5.68	0.85	0.19	0.67	-7.05
THAR1_SLR	2.40	0.00	-2.40	0.00	0.00	0.00	0.09	0.22	-0.13	-2.53
CLEANSR_SLR	6.22	0.00	-6.22	0.00	0.00	0.00	2.92	0.05	2.87	-3.35
NTPC STATIONS-WR	0.00	0.00	0.00	0.00	0.20	0.20	173.30	78.94	94.37	94.56
BHADRAVATHI HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.02	0.05	0.05
VINDHYACHAL HVDC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	-0.20	-0.20
JINDAL POWER	246.00	0.00	-246.00	221.07	0.00	-221.07	2.65	4.82	-2.17	-469.24
LANKO_AMK	6.70	0.00	-6.70	0.00	0.00	0.00	0.95	7.94	-6.99	-13.69
NSPCL	0.00	0.00	0.00	0.00	0.00	0.00	5.27	1.64	3.63	3.63
ACBIL	0.74	0.00	-0.74	102.89	0.00	-102.89	1.55	4.64	-3.09	-106.73
BALCO	0.00	26.38	26.38	3.89	3.96	0.07	8.56	3.75	4.81	31.26
RGPPL	0.00	0.00	0.00	7.09	0.00	-7.09	24.45	0.27	24.18	17.09
CGPL	0.00	0.00	0.00	0.00	0.00	0.00	11.67	1.00	10.67	10.67
DCPP	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.08	-0.02	-0.02
EMCO	0.00	0.00	0.00	27.75	0.00	-27.75	2.14	1.75	0.39	-27.36
KSK MAHANADI	1.20	0.00	-1.20	12.48	0.00	-12.48	0.72	2.53	-1.810	-15.487
ESSAR POWER	335.08	0.00	-335.08	109.35	0.00	-109.35	3.22	4.59	-1.38	-445.81
JINDAL STAGE-II	296.46	0.00	-296.46	327.42	0.08	-327.34	6.68	3.36	3.32	-620.48
DB POWER	407.28	0.00	-407.28	16.46	0.00	-16.46	2.45	2.07	0.38	-423.37
DHARIWAL POWER	0.00	0.00	0.00	1.57	0.00	-1.57	0.36	0.46	-0.10	-1.67
JAYPEE NIGRIE	95.34	0.00	-95.34	228.88	0.00	-228.88	1.47	4.60	-3.13	-327.35
DGEN MEGA POWER	0.00	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.97	0.97
MB POWER	55.85	0.00	-55.85	161.63	0.00	-161.63	9.60	4.51	5.09	-212.39
MARUTI COAL	0.00	0.00	0.00	42.92	1.63	-41.30	0.00	0.00	0.00	-41.30
JHABUA POWER_MP	47.09	0.00	-47.09	41.66	0.00	-41.66	2.42	3.06	-0.64	-89.39
SASAN UMPP	0.00	0.00	0.00	1.24	0.00	-1.24	0.63	55.25	-54.62	-55.85
TRN ENERGY	0.00	0.00	0.00	0.00	0.00	0.00	0.37	1.59	-1.22	-1.22

RKM POWER	365.56	0.00	-365.56	168.66	0.00	-168.66	6.03	6.67	-0.64	-534.87
SKS POWER	2.74	0.00	-2.74	14.15	0.00	-14.15	1.72	0.43	1.29	-15.60
BARC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.63	-3.63	-3.63
KAPP 3&4	0.00	0.00	0.00	0.00	0.00	0.00	4.98	1.20	3.78	3.78
HVDC CHAMPA	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.01	0.14	0.14
MAHINDRA_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.85	1.34	3.51	3.51
ARINSUM_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.34	0.85	3.49	3.49
OSTRO	4.57	0.00	-4.57	3.92	0.00	-3.92	5.41	11.06	-5.65	-14.13
ACME_RUMS	0.00	0.00	0.00	0.00	0.00	0.00	4.53	0.95	3.57	3.57
RENEW_BHACHAU	0.00	0.00	0.00	0.00	0.00	0.00	6.10	8.87	-2.77	-2.77
GIWEL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	9.63	19.35	-9.72	-9.72
INOX_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	0.76	32.62	-31.86	-31.86
AGEMPL_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	9.87	21.61	-11.74	-11.74
REGL	390.01	0.00	-390.01	8.25	0.00	-8.25	0.00	0.00	0.00	-398.26
RPREL	724.59	0.00	-724.59	70.18	0.00	-70.18	3.19	6.98	-3.79	-798.56
AMPS Hazira	0.00	207.45	207.45	0.00	94.84	94.84	18.08	24.90	-6.83	295.47
HVDC RAIGARH	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.19	-0.14	-0.14
RGPPL_IR	0.00	0.00	0.00	0.63	0.00	-0.63	0.00	0.00	0.00	-0.63
RGPPL_Others	0.00	0.00	0.00	0.97	0.00	-0.97	0.00	0.00	0.00	-0.97
ALFANAR_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	5.48	10.15	-4.67	-4.67
RENEW_BHUJ	0.00	0.00	0.00	0.00	0.00	0.00	5.81	9.18	-3.38	-3.38
ADANI_WIND	20.04	0.00	-20.04	0.46	0.00	-0.46	0.00	0.00	0.00	-20.50
CONTINNUM PT	4.36	0.00	-4.36	0.00	0.00	0.00	0.00	0.00	0.00	-4.36
TPREL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	0.84	0.53	0.31	0.31
ESPL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	1.60	0.52	1.09	1.09
GIPCL_RADHANESDA	0.00	0.00	0.00	0.00	0.00	0.00	1.26	0.58	0.68	0.68
NTPC STATIONS-SR	0.00	0.00	0.00	5.00	0.00	-5.00	48.34	31.24	17.11	12.11
LANKO KONDAPALLI	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.00	0.31	0.31
SIMHAPURI	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.38	0.38
MEENAKSHI	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.00	0.50	0.50
COASTGEN	48.60	0.00	-48.60	3.74	0.00	-3.74	2.42	0.14	2.28	-50.06
THERMAL POWERTECH	0.00	0.00	0.00	0.00	0.00	0.00	16.64	1.02	15.62	15.62
IL&FS	0.00	0.00	0.00	0.00	0.00	0.00	4.66	0.12	4.54	4.54
NLC	0.00	0.00	0.00	26.97	0.00	-26.97	40.90	11.75	29.15	2.19
SEMBCORP	369.04	0.00	-369.04	284.77	0.00	-284.77	13.20	1.51	11.69	-642.12
NETCL VALLUR	0.00	0.00	0.00	0.00	0.00	0.00	16.82	2.34	14.48	14.48
NTPL	0.00	0.00	0.00	0.00	0.00	0.00	10.58	0.06	10.52	10.52
AHSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	2.07	0.65	1.43	1.43
AKSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.46	1.01	-0.56	-0.56
ABSP_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.38	1.23	-0.85	-0.85
AZURE_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.29	0.53	-0.24	-0.24
TATA_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	1.15	1.09	0.06	0.06
FRV_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.75	-0.37	-0.37
NTPC_ANTP	0.00	0.00	0.00	0.00	0.00	0.00	2.61	2.31	0.30	0.30
GIWEL_TCN	0.00	0.00	0.00	0.00	0.00	0.00	8.84	5.18	3.67	3.67
MYTRAH_TCN	0.00	0.00	0.00	0.00	0.00	0.00	8.50	3.29	5.21	5.21
FRV_NPK	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.77	-0.45	-0.45
ORANGE_TCN	0.00	0.00	0.00	0.00	0.00	0.00	8.36	3.70	4.66	4.66
BETAM_TCN	0.00	0.00	0.00	0.00	0.00	0.00	5.93	6.47	-0.54	-0.54
SBG_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	2.21	1.83	0.38	0.38
SBG_NPK	0.00	0.00	0.00	0.00	0.00	0.00	3.20	2.97	0.24	0.24
FORTUMI_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.77	1.05	-0.28	-0.28
PARAM_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.62	-0.42	-0.42
YARROW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.18	-0.10	-0.10
TATA_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.94	1.32	-0.38	-0.38
RENEW_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.11	0.18	-0.07	-0.07
AKS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.20	-0.11	-0.11
ARS_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.22	-0.15	-0.15
AVAADA1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.81	-0.67	-0.67
ADY1_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.36	1.57	-1.22	-1.22
ADY2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.36	1.57	-1.22	-1.22
ADY13_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.36	1.57	-1.22	-1.22
ADY3_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.41	1.49	-1.08	-1.08

ADY6_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.41	1.49	-1.08	-1.08
ADY10_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.36	1.57	-1.22	-1.22
AZURE_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.12	0.58	-0.46	-0.46
FORTUM2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.28	1.36	-1.08	-1.08
AVAADA2_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.26	0.56	-0.29	-0.29
KREDL_PVGD	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.11	0.14	0.14
AYANA_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	0.66	1.05	-0.39	-0.39
SPRNG_NPKUNTA	0.00	0.00	0.00	0.00	0.00	0.00	0.72	1.07	-0.35	-0.35
SPRING_PUGALUR	0.00	0.00	0.00	0.00	0.00	0.00	1.47	1.30	0.17	0.17
OSTRO Hiriyur	0.00	0.00	0.00	0.00	0.00	0.00	1.41	0.92	0.49	0.49
NTPC STATIONS-ER	0.00	0.00	0.00	0.06	0.00	-0.06	52.53	32.76	19.77	19.71
MAITHON POWER LTD	0.00	0.00	0.00	0.00	0.00	0.00	1.71	3.76	-2.05	-2.05
NPGC	0.00	0.00	0.00	0.00	0.00	0.00	1.47	10.31	-8.84	-8.84
ADHUNIK POWER LTD	181.97	0.00	-181.97	54.89	0.00	-54.89	1.62	1.89	-0.26	-237.13
CHUZACHEN HEP	0.00	0.00	0.00	1.74	0.00	-1.74	0.45	0.89	-0.44	-2.18
RANGIT HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.49	1.76	-1.27	-1.27
GMR KAMALANGA	15.77	0.00	-15.77	33.47	0.00	-33.47	0.58	4.72	-4.14	-53.38
JITPL	400.31	0.00	-400.31	193.44	0.00	-193.44	1.15	2.30	-1.15	-594.89
TEESTA HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.23	4.47	-4.24	-4.24
DAGACHU	21.56	0.00	-21.56	0.00	0.00	0.00	2.36	0.20	2.16	-19.40
JORETHANG	5.22	0.00	-5.22	11.27	0.00	-11.27	2.30	0.17	2.14	-14.36
NEPAL(NVVN)	0.00	13.28	13.28	0.00	118.25	118.25	2.26	17.30	-15.04	116.48
BANGLADESH	0.00	24.00	24.00	0.00	0.00	0.00	2.70	0.35	2.35	26.35
HVDC PUS	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.37	0.37
TEESTA STG3	85.77	0.00	-85.77	132.90	0.00	-132.90	3.16	2.10	1.06	-217.61
DIKCHU HEP	4.70	0.00	-4.70	9.91	0.00	-9.91	0.54	0.60	-0.05	-14.66
HVDC ALPD	0.00	0.00	0.00	0.00	0.00	0.00	0.17	0.02	0.15	0.15
TASHIDENG HEP	4.53	0.00	-4.53	9.01	0.00	-9.01	1.93	0.38	1.55	-12.00
BRBCL,NABINAGAR	0.00	0.00	0.00	0.00	0.00	0.00	6.10	3.96	2.14	2.14
MTPS II	0.00	0.00	0.00	0.00	0.00	0.00	1.19	1.08	0.11	0.11
TALA HEP	0.00	0.00	0.00	0.00	0.00	0.00	19.48	22.20	-2.72	-2.72
CHUKHA HEP	0.00	0.00	0.00	0.00	0.00	0.00	31.51	8.59	22.92	22.92
KURICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	2.48	7.80	-5.32	-5.32
MANGDECHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	32.50	25.84	6.66	6.66
RONGNICHU HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.02
DGPCL Bhutan	0.00	0.00	0.00	0.00	34.13	34.13	148.21	0.14	148.08	182.21
NTPC STATIONS-NER	0.00	0.00	0.00	10.75	0.00	-10.75	7.24	2.35	4.89	-5.86
NEEPCO STATIONS	7.05	0.00	-7.05	79.92	0.00	-79.92	1.36	6.85	-5.49	-92.47
RANGANADI HEP	0.00	0.00	0.00	0.00	0.00	0.00	1.35	1.06	0.29	0.29
DOYANG HEP	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.20	-0.07	-0.07
ONGC PALATANA	15.11	0.00	-15.11	9.69	0.00	-9.69	0.46	1.69	-1.23	-26.03
LOKTAK	0.00	0.00	0.00	0.00	0.00	0.00	0.38	0.55	-0.17	-0.17

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, MARCH 2022					
Sr. No.	Details of REC Transactions	IEX		PXIL	
		Solar	Non-Solar	Solar	Non-Solar
A	Volume of Buy Bid	987573	259319	130581	82748
B	Volume of Sell Bid	422776	1190196	65411	591564
C	Ratio of Buy Bid to Sell Bid Volume	2.34	0.22	2.00	0.14
D	Market Clearing Volume (MWh)	251976	259319	26367	82748
E	Weighted average Market Clearing Price (₹/MWh)	2250	1000	2205	1000

Source: IEX and PXIL

Note 1: 1 REC = 1 MWh