



Dated: August 07, 2023

The Manager
BSE Limited
Corporate Relationship Department
Phiroze Jeejeebhoy Towers
Dalal Street
Mumbai- 400001
Scrip Code: 540750

The Manager
National Stock Exchange of India Ltd
Listing Department
Exchange Plaza, 5th Floor, Plot No. C/1
G Block, Bandra Kurla Complex
Bandra (E), Mumbai-400 051
Symbol: IEX

Sub: Investor Presentation for Q1 FY2024.

Dear Sir / Madam,

Pursuant to Regulation 30 of SEBI (Listing Obligation and Disclosure Requirements) Regulation 2015, please find attached “**Investor Presentation for Q1 FY2024**”.

The above information will also be made available on the website of the Company www.iexindia.com

You are requested to take the above information on record.

Thanking You.

Yours faithfully,

For Indian Energy Exchange Limited

Vineet Harlalka
CFO, Company Secretary & Compliance Officer
Membership No. ACS-16264

Encl: as above


Indian Energy Exchange Ltd

Registered Office: C/o Avanta Business Centre, First Floor, Unit No. 1.14(a), D2, Southern Park, District Centre, Saket, New Delhi-110017, India

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CIN: L74999DL2007PLC277039 | Website: www.iexindia.com



Investor Presentation – Q1 FY'24

**Accelerating India's Sustainable
Energy Transition**

In this presentation:

Sector in Transition

Electricity Value Chain

IEX: Who We Are

Indian Gas Exchange (IGX)

International Carbon Exchange (ICX)

Way Forward

Sector in Transition



Decarbonisation

Deployment of Low-Carbon Technologies - Wind and Solar



Decentralisation

Small-scale Generation Across T&D Network



Democratisation

Empowered Consumers - Economic Power Shift

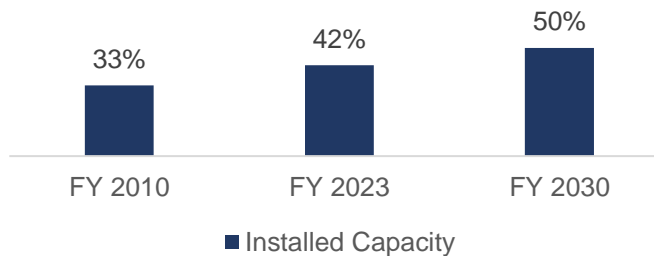


Digitisation

Intelligent Apps to Optimize Plants and Grid

Shifting Energy Mix

% Renewable



- 176.5 GW installed renewable capacity (including large hydro) in FY23
- India aspires to achieve 500 GW of renewable capacity by 2030

In this presentation:

Sector in Transition

Electricity Value Chain

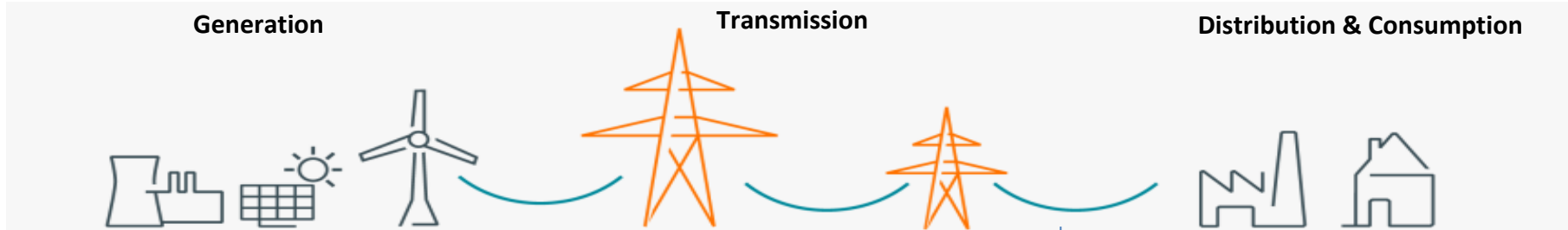
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Way Forward

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Energy Transition

Installed Capacity	As on 30 th Jun'23	FY 2030 CEA Proj.
Total GW	422	817
Coal Cap GW	238	267
Coal (%)	56.3	32.7
RE & Hydro GW	176.5	506
RE & Hydro %	41.8	61.9
Upcoming Coal Cap GW (in next 3 Yrs)	27 GW	-

World's largest network

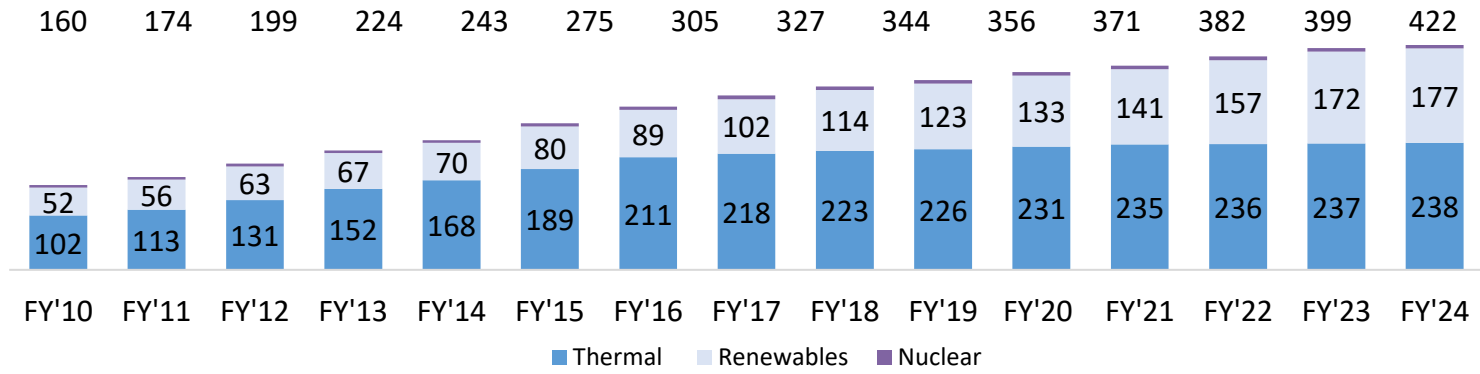
- Inter-reg. trans. Cap.: 112.3 GW
- 4.72 Lakh CKM of trans. lines
- Green Corridor: RE rich states; projects for evacuation of RE into National grid
- 99.9% times no congestion

Reforms Underway

- **Avg. AT & C Losses:** Expected to have declined to 13.5% for FY23
- **Reduction in Outstanding dues & ensuring future payments**
- Liquidity Infusion Schemes
- Choice to Consumers
- Electrification as Decarbonization Lever: EV, Cooking, Traction

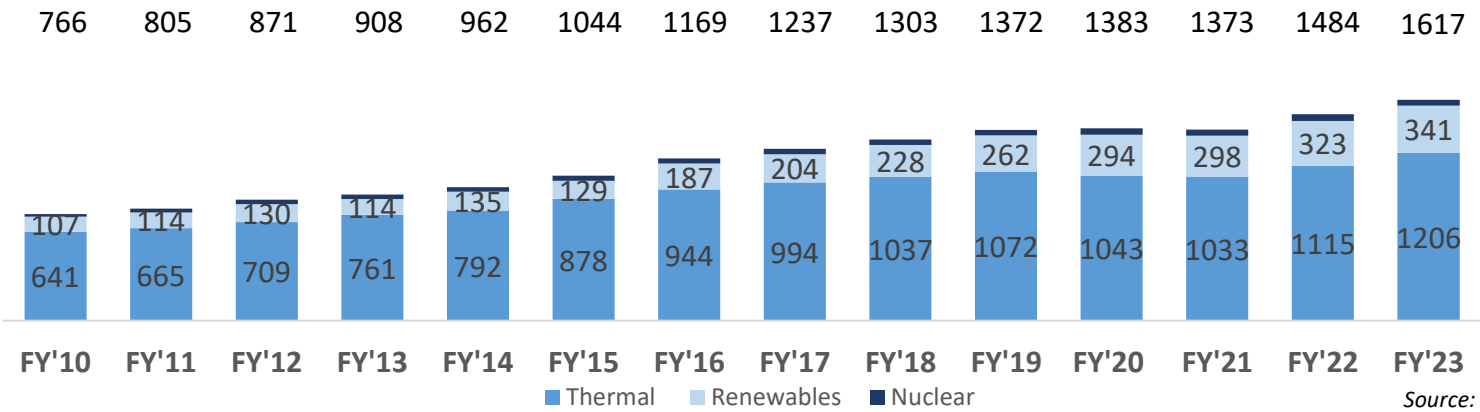
Installed capacity has grown at faster pace compared to demand

Capacity (GW)



CAGR – 7%

Generation (BU)



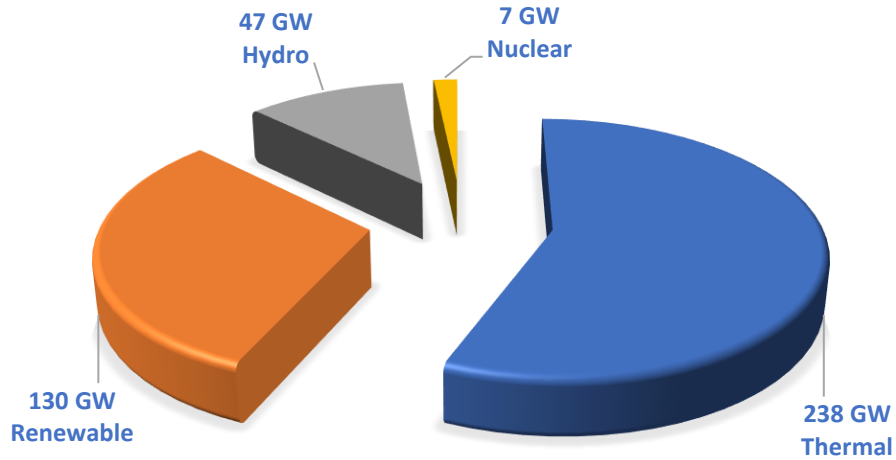
CAGR – 5.5%

Source: CEA Monthly, Annual Reports

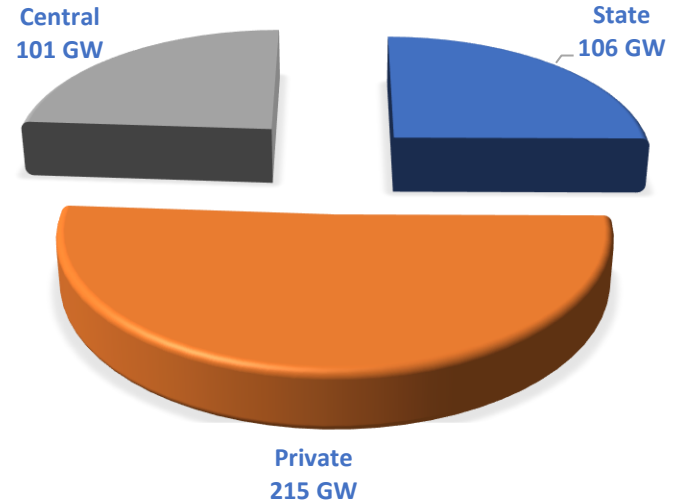
Capacity growth of 7% and Generation increase of 5.5% since FY10

Installed Capacity = 422 GW

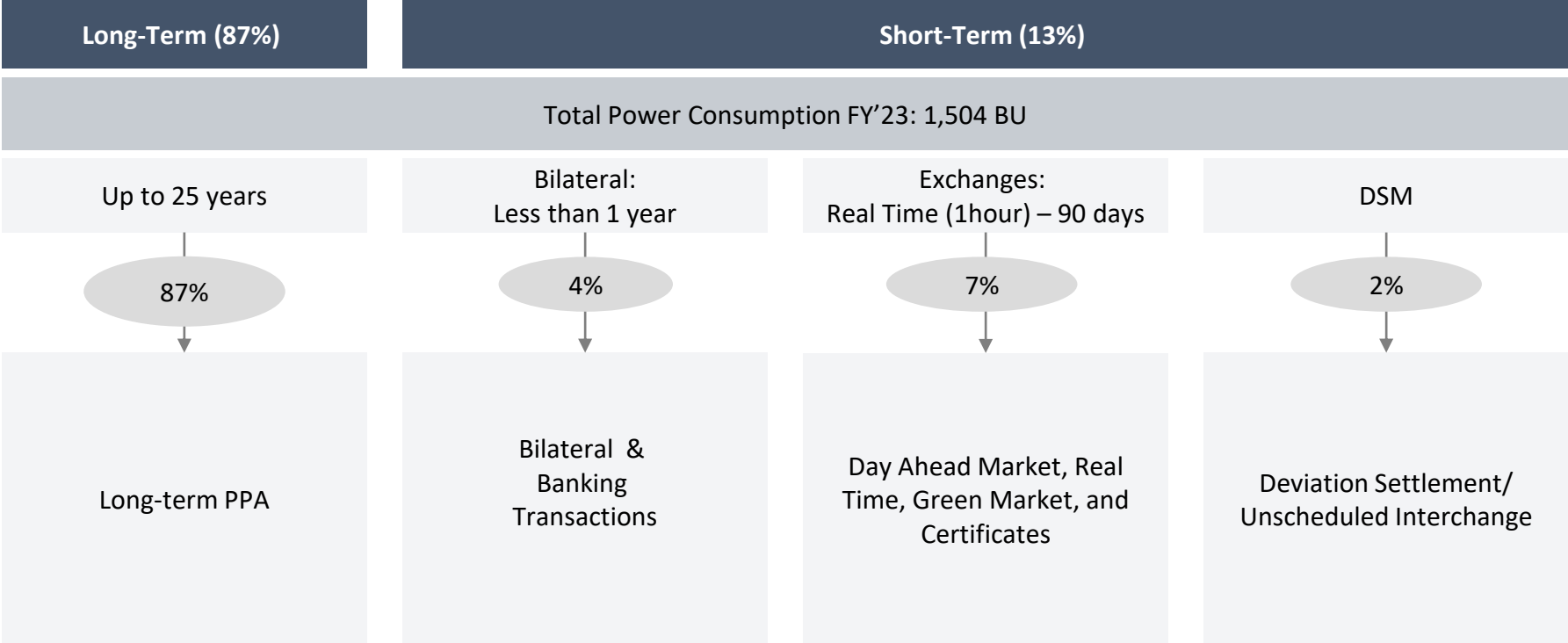
Capacity by Source



Capacity by Ownership



Sector Construct

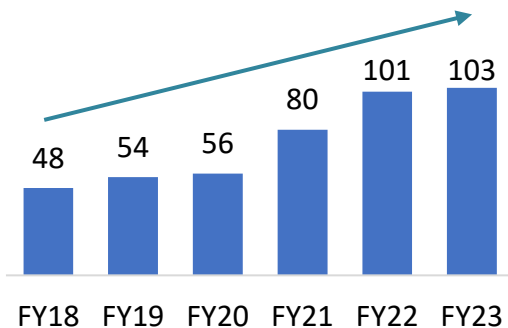


Source: CERC MMR Report till March'23

Exchange Markets Growing Fastest

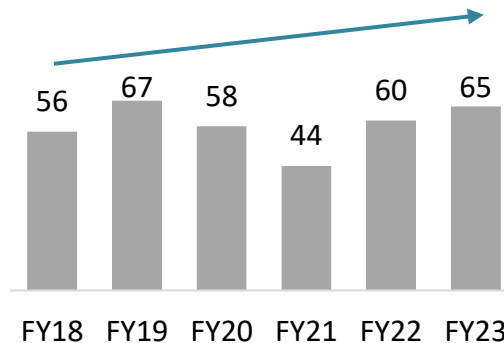
Exchanges (BU)

CAGR: 14%



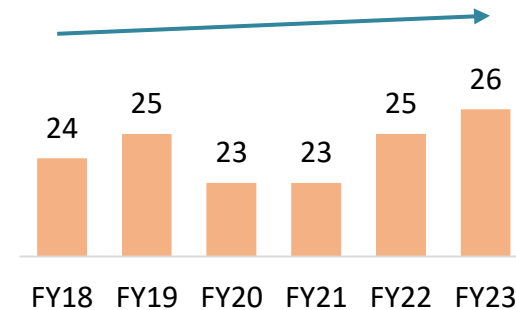
Bilateral (BU)

CAGR: 2.5%



DSM (BU)

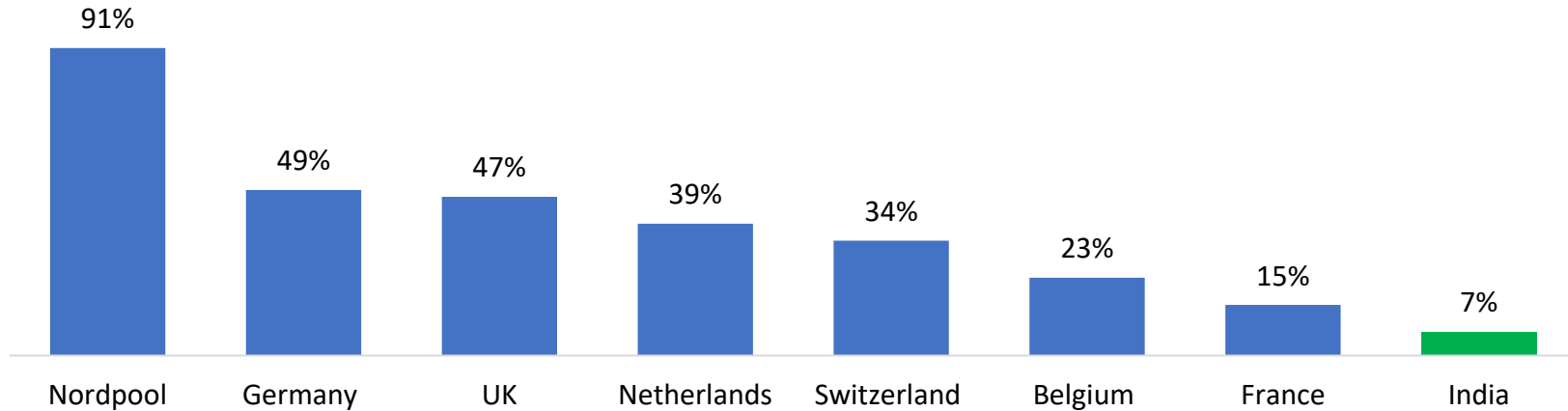
CAGR: 1.3%



Source: CERC, MMR Mar'23

Driven by competition and flexible procurement, the Exchange markets constitute >50% of ST power market.

Immense Potential to Deepen India's Power Market



Note: Data for India till Mar'23

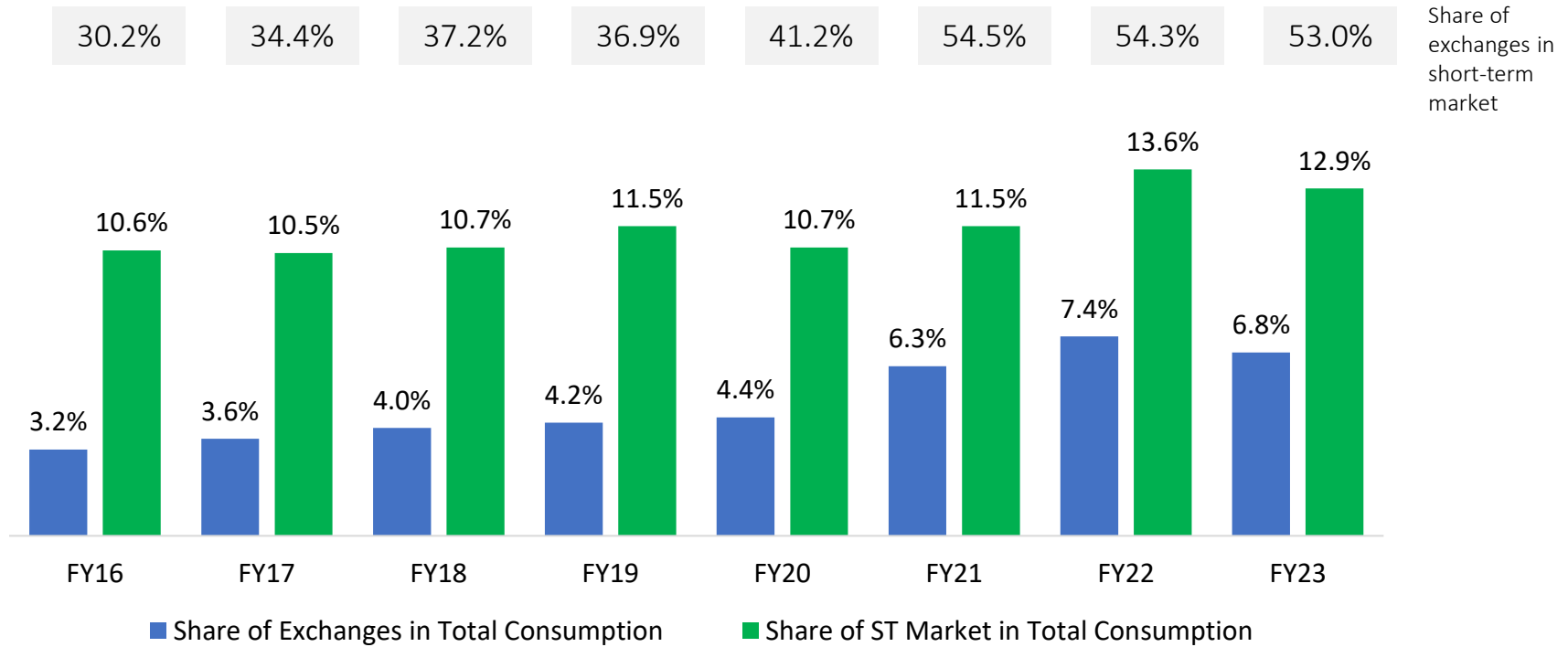
Source: CRISIL Study

Markets are in the range of 30-80% in developed economies.

At 7%, India has an opportunity to deepen the power market.

Exchanges Share in Short Term Market

Exchange Market and ST Market - % of Total Consumption – India



Electricity Growth Drivers

India is placed as the most promising economy on the global map

➤ Industrialization

- ✓ High GDP growth of about 7% expected to drive electricity
- ✓ Core sector, traction, EV, cooking will drive electricity consumption

➤ Rapid urbanization/ Rural Electrification

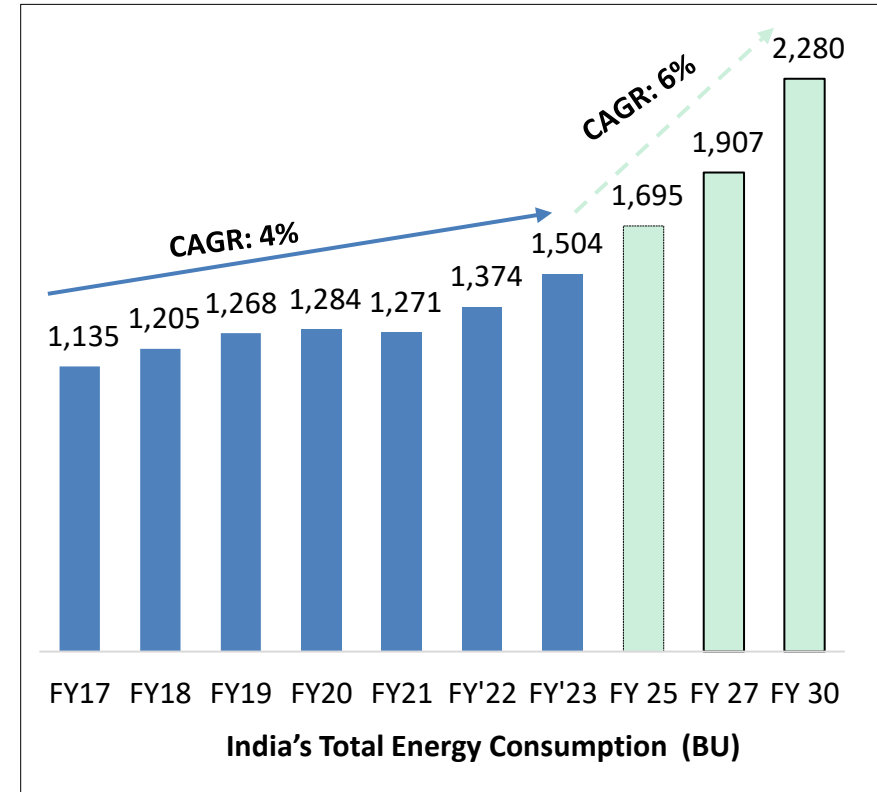
- ✓ 17 out of 20 of world's fastest growing cities in India

➤ Consumer demand growth

- ✓ Last mile connectivity – Power on 24x7 basis
- ✓ FY23 energy consumption growth 9.4% YoY

➤ Power Demand Projection for FY 23-30

- ✓ FY 23 onwards – CEA demand growth projections
- ✓ Expected to grow at CAGR of 6%



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Way Forward

India's Premier Technology-led Energy Marketplace



- Nation wide, automated and transparent trading platform for physical delivery of electricity, renewables & certificates
- Commenced operations in 2008; CERC regulated
- Publicly listed company – 2017 (NSE and BSE)
- ISO 9001:2015, ISO 27001:2013, ISO 14001:2015
- **Overall Electricity Market Share in Q1 FY24: 83.7%**
- Electricity volume CAGR ~ 30% since 2008
- FY23 Electricity Volume: 96.8 BU

Robust Ecosystem

7,500+

Registered participants

4,600+

Commercial & Industries

1,800+

RE Generators & Obligated Entities

600+

Generators

60+

Discoms (all)

100+

ESCert Entities

30%

Volume Growth CAGR since 2008

99%

Market Share in DAM

100%

Market Share in RTM

Benefitting Power Sector...and the Nation

- Provides **benchmark prices** for All Electricity Transactions
- **Transparent Mechanism** for Price Discovery
- **High liquidity** on Exchange has Ensured Lowest Cost and Assured Supply

Truly Benefited Indian Power Sector



Generation

Signals for Generating
Capacity Addition



Transmission

Investments in Transmission-
Congestion Free –
One Grid One Price



Distribution

- Lower Power Prices for Discoms, End Consumers
- Avoids Buying Undertake-or-Pay Contracts
- Flexibility on 15-min Basis
- Delivery in 1 Hour Notice

Our Values



24X7 Power



Transparency



Flexibility in Power
Procurement



Competitive Price



Payment Security



Cost Saving

Market Segments

Integrated Day Ahead Market

DAM since Jun'08

- Delivery for next day; 15 min. contracts, Daily trade
- Price discovery: Closed, Double-sided Auction

G-DAM since Oct'21

- Same as DAM, priority for GDAM in price & volume
- Option to carry forward uncleared bids in GDAM to conventional DAM; Single price for different RE - solar, non-solar

HP-DAM since Mar '23

- Segment within I-DAM on day ahead basis; Double-Sided Closed Auction
- Separate price discovery with price cap of Rs. 20/unit and floor price of zero
- Bidding during DAM, GDAM hours; Market Clearing in sequential manner GDAM, DAM, HP-DAM

Ancillary Services (DAM-AS) since Jun'23

- Procurement of capacity for TRAS by NLDC
- Separate windows for TRAS-UP and TRAS-DOWN

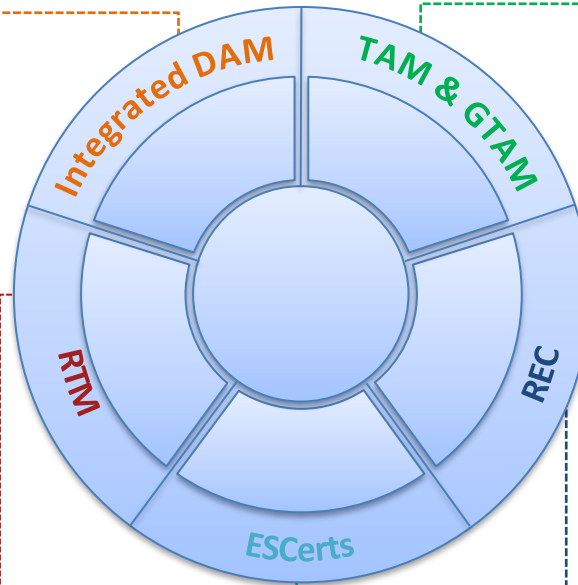
Real Time Market

Since Jun'20

- Half Hourly market (48 times per day)
- Delivery for 30 mins in two-time blocks of 15 min each
- Double sided closed auction with uniform price

Ancillary Services (RTM-AS) since Jun'23

- Separate windows for TRAS-UP and TRAS-DOWN



Energy Saving Certificates

Since Sep'17

- 1 ESCert = 1 Mtoe (Metric Tonne Oil Equivalent)

Intraday Market & Contingency Market Segment

Since Jul'15

- Intraday Market : hourly and or 15-minute contracts on same day on rolling basis
- Day-Ahead Contingency- 24-hourly and or 15-minute contracts on day-ahead basis for 00:00 hours to 24:00 hours of next day
- Continuous Trade

Term-Ahead Contracts

Since June'22 (up to 3 months)

- Any day (s) single side Reverse Auction
- Daily (up to 14 days)
- Weekly (up to 12 weeks)
- Monthly (up to 3 months)

Green Term-Ahead Contracts

Since 21 Aug'20

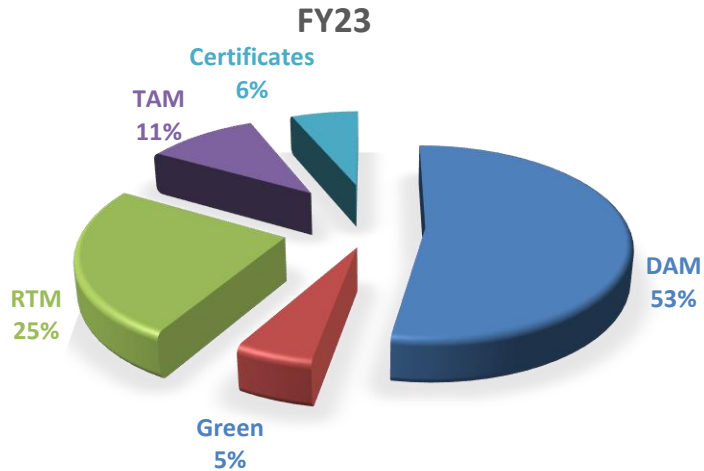
- 15-minute quotation of quantity (MW) and price (Rs/MWh)
- Price discovery and matching on 'Continuous Trade' basis
- Revision in schedule not allowed

Renewable Energy Certificates

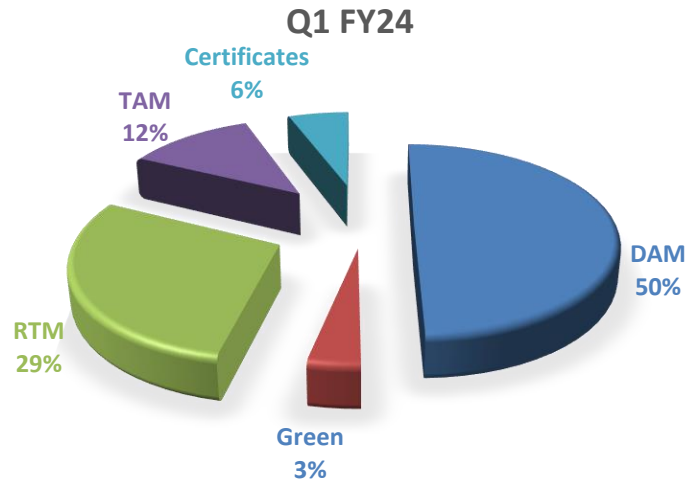
Since Feb'11

- Green Attributes as Certificates
- **Sellers:** RE generators not under feed in tariffs
- **Buyers:** Obligated entities; 1MWh equivalent to 1 REC

IEX Product Mix



Total Volume: 96.8 BU



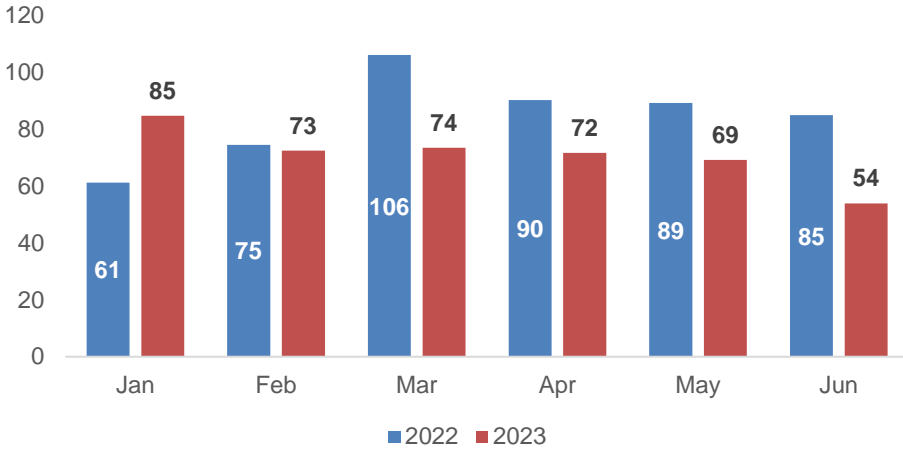
Total Volume: 25.1 BU

Matching	Closed, Double- sided Auction	Open Auction -Uniform Price Step	Continuous Matching	Reverse Auction
Existing Products	DAM, GDAM, RTM	Weekly, Daily	ITD & DAC	
New Products	HP-DAM, GDAM (HYDRO); DAM-AS; RTM-AS	Weekly (Up to 12 Weeks); Daily (Up to 90 Days); Monthly (Up to 03 rd Month)	-	Any Day Single Sided

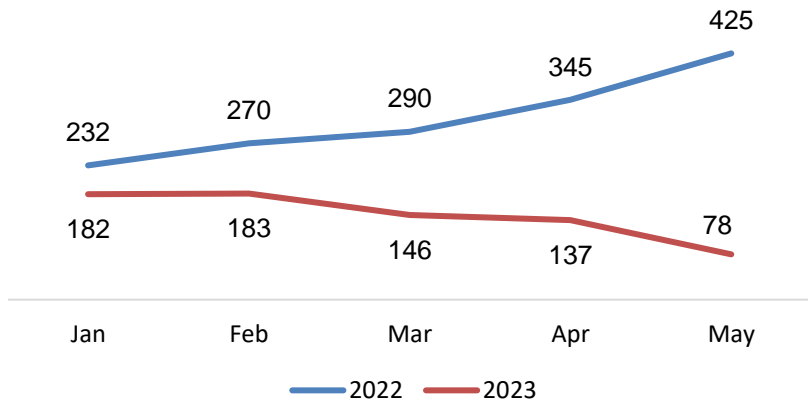
Supply Side Constraints Easing, Coal Auction Premium Falling



Indonesian 4200 GAR Coal Prices



E-auction Prices above Notified Price (%)

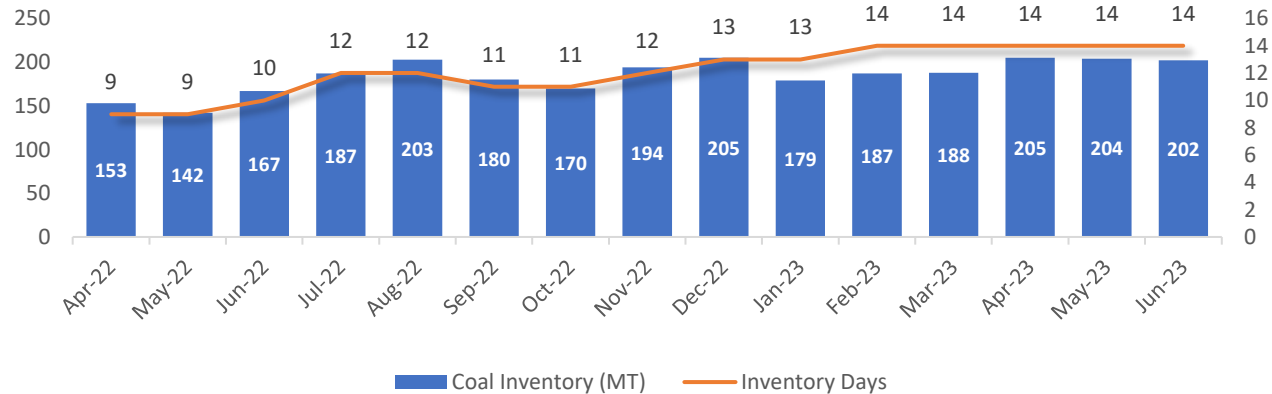


- Imported coal prices easing in FY'24. Imported coal prices down from \$85/ton in June'22 to \$54/ton in June'23
- Increase in Gas prices back to near levels seen two years ago. Average gas price at 12 \$/MMBTU in FY'24 and in June 23 at nearly 11 \$/MMBTU.
- E-auction Premium has been easing since January 2023. Down from a premium of 182% over notified price in Jan'23 to 78% in May'23. Premium in May'22 had touched 425%.

Coal Supply Up

- Q1 FY24 coal production is higher by 8.6% YoY at 223.4 million tonnes
- Government focused on increasing supply for plants under long term PPAs 100% FDI allowed for commercial mining
- Mines and Minerals Act, 1957 amended to allow sell up to 50% of their annual production after meeting the requirement of the end use plant

Coal Inventory at Power Plants



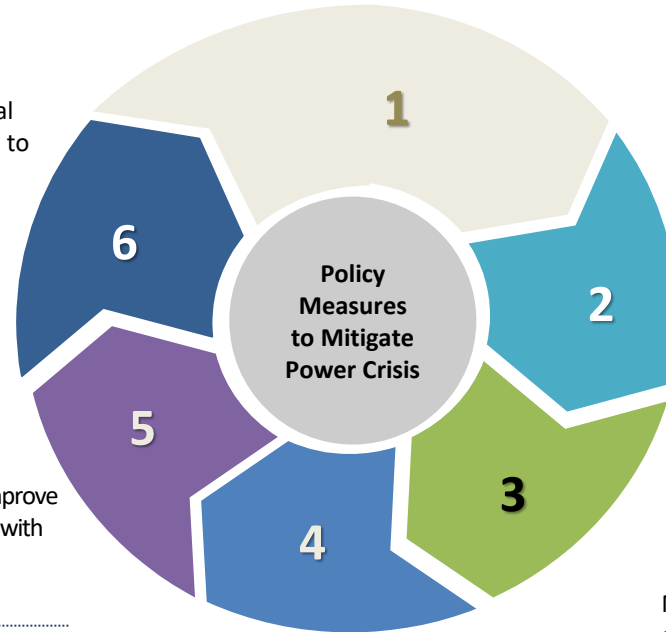
Policy Measures to Combat Power Crisis Situation

Measure - 6

Launch of High-Price DAM market helped imported coal and gas-based power plants to sell expensive power

Measure - 5

Hydro Power plants to improve utilisation in consultation with Dispatch Centres.



Measure - 4

NTPC ran 5,000MW of Gas based TPPs during summer. Additional 1,000MW could be added by other gas- based plants

Measure - 1

Govt directive to coal-based plants: No Planned Outages April to May 23

Measure - 2

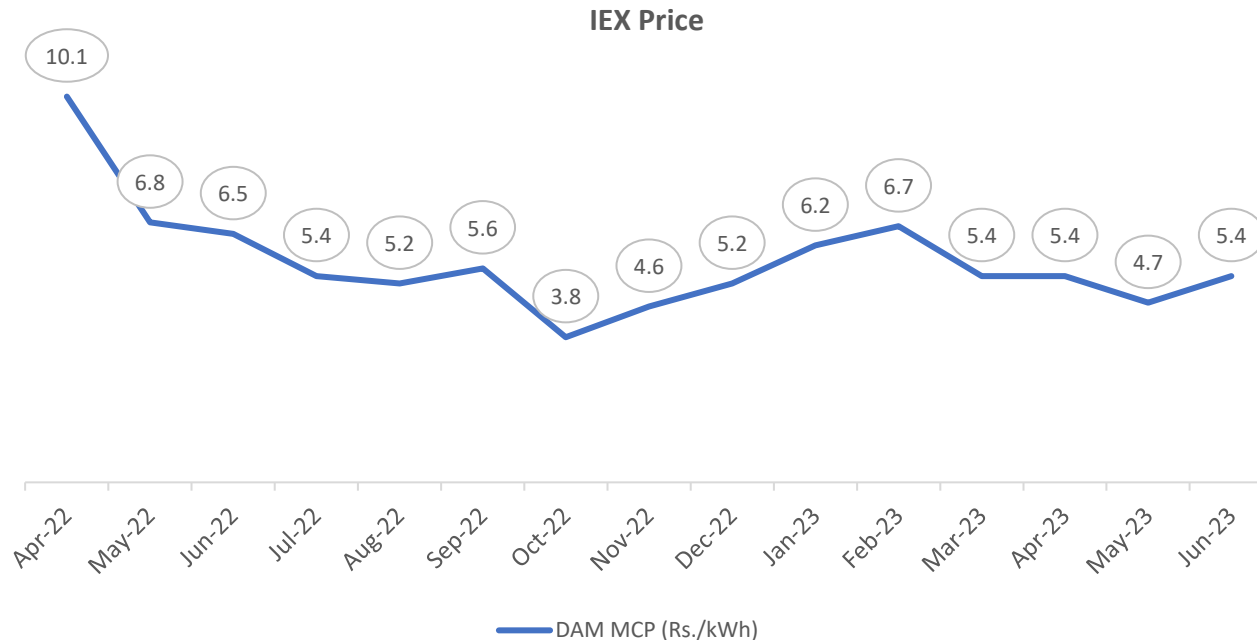
Section 11 of EA 2003 Invoked. Directed all imported coal-based plants to run at full capacity

Measure - 3

Ministry of Railways to provide additional rakes to maintain coal inventory at power plants

All these led to prices on the Exchange Cooling

- In Q1 FY'24 with supply side constraints easing, average price of power lowered further to Rs.5.17 kWh/unit; a decline of nearly 34% over Q1'FY23
- Lower price provides optimization opportunities for State Discoms & OA Consumers



Short Term

RE Participation in the Market through CfD Mechanism: *Mandate RE resources to participate in market, compete with conventional resources. RE developers could be offered some transitory revenue protection to manage spot price volatility. An initial capacity (~ 1000 MW) to be tendered by nodal agency as a pilot project under the single price option.*

Operationalisation of CERC Ancillary Services Regulations: *To be done within a year. While the Tertiary Reserve Ancillary Service (TRAS) market segment on all the Power Exchanges was rolled out in June, a market-based mechanism for secondary frequency response would provide faster response than conventional sources.*

Medium Term

Introduction of Standardised Exchange-Based Capacity Contracts: *Standardized exchange-based capacity contracts can be introduced for short-term trading of power.*

Additional RE Capacity through Revenue Protection

Enabling Markets for Secondary Reserves

Long Term

Improve Efficacy of Day Ahead Market: *Gradual transition to market-based dispatch of electricity from existing practice of self-scheduling. Would lead to a system cost optimization through creation of a single merit order of generation plants.*

Implement Long Term Capacity Markets

Introduce Variation of Single Strike Price of CfD for RE Participation in Market: *To increase share of RE in overall energy mix, variation of single strike price can be introduced for RE participation in the market.*

Entire RE on Markets

Price - Volume Outlook

➤ Easing Supply Constraints

- ✓ Improvement in coal production and higher inventory will result in increase in sell by both Discoms & IPPs
- ✓ IPPs sell will provide Round the Clock supply resulting in better availability & lower prices in peak hours
- ✓ Lower prices will lead to increase in Discoms buy as they will bid to optimize/ replace costlier power
- ✓ Open Access clearance will increase with softening of prices

➤ GNA Implementation

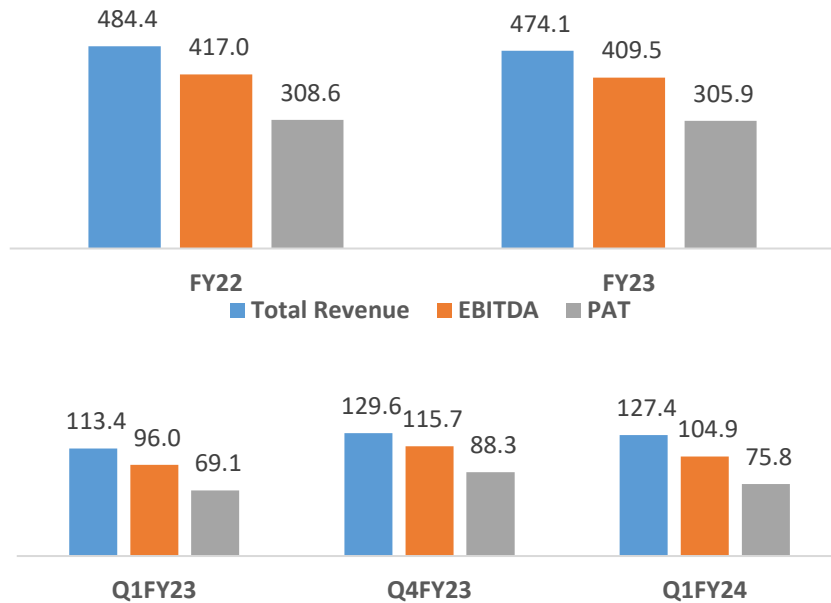
- ✓ Implementation of GNA will lead to avoidance of double charging of transmission charges in DAM/RTM
- ✓ DAC volume will shift back to DAM/RTM

➤ Market Coupling Headwind

- ✓ Ministry of Power letter asking CERC to examine Market Coupling. The Hon'ble Regulator likely to examine objective of coupling and its need in current market framework

Robust Financial Performance of IEX

Consolidated Financials Rs Cr



Breakup of standalone revenues (%)	Q1FY23	Q4FY23	Q1FY24
Transaction Fees	82%	79%	78%
Admission and Annual Fees	5%	4%	4%
Other Income	13%	17%	18%
Total	100%	100%	100%

Robust business model and financial strength

Customer Centric Technology and Product Strategy

CUSTOMER CENTRIC



➤ Digital Experience

- ✓ Secure Web Access
- ✓ Integrated bids across segments
- ✓ Easy User Management for creating new Users and managing access for Users
- ✓ Web-based Financial Reconciliation for bids through our platform
- ✓ Web-based Data Insights for Bidding decision making

➤ Ease of Bidding

- ✓ Automated Bidding through API
- ✓ Bid Creation Tool
- ✓ Smart Power Procurement

➤ Security

- ✓ 24*7 Security Operating Centre (SOC)
- ✓ Cyber Security Framework

EFFICIENT



➤ Comprehensive Product Portfolio

- ✓ High Price Day Ahead Market (HP-DAM)
- ✓ Longer Duration Contract + Additional Weekly Contracts
- ✓ Green Day Ahead Market (GDAM) + GDAM Hydro contracts
- ✓ Any-day(s) Single-sided Reverse Auction contracts (Conventional and Green)
- ✓ Cross Border Transactions

➤ Automation

- ✓ Auto Carry Forward of Uncleared Bids
- ✓ Seamless DC-DR Transition to ensure business continuity
- ✓ Real Time reporting
- ✓ Alerts/Notifications
- ✓ SAP integration

STATE OF THE ART



➤ National Open Access Registry

- ✓ Integration of NOAR

➤ Economic Surplus/Social Welfare optimization

- ✓ MILP

➤ Data Insights

- ✓ Bid Data Analytics for Senior Management
- ✓ Power Market Data Analytics
- ✓ Financial Reconciliation

Launch of IEX Academy; Price Index - PowerX



- ✓ Launched in June to create pool of skilled professionals for capacity building in the power market
- ✓ Customised certification courses to develop skills and expertise in Electricity Markets across topics such as power sector policies, regulatory frameworks, and power exchange operations
- ✓ Courses designed based on in-house experience of IEX, and in collaboration with academic institutions and think tanks.



- ✓ Launched IEX Power Price Index – 'PowerX' – India's first Electricity Price Index.
- ✓ Provides competitive benchmark signals and enable market participants to make more effective decisions.
- ✓ Calculated based on weighted average price of Day-Ahead Market and Real-Time Market.

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Way Forward

Indian Gas Exchange (IGX)

VISION

To lead India's transition towards a gas-based economy by architecting next generation solutions for natural gas trading and access

01

1st Natural Gas trading exchange

02

Automated platform with cutting edge technology

03

Efficient & transparent market driven price discovery mechanism

04

Indigenous price benchmark

IGX – Key Highlights

Q1 FY24 Business Updates

Total Volume	4.26 Million MMBtu
YoY (%)	-9%
Total number of trades	163
No. of members	40
Active clients	200+

Strategic Partners



Domestic Gas Ceiling Price

- Commenced trading on 23rd May'22
- FY'23 Traded Volume: 50.9 Million MMBtu
- India's First Gas Index - GIXI

GIXI - IGX Gas Index



Launched on 19th December 2022

GIXI represents volume weighted average price for all gas traded on any day (excluding domestic ceiling price gas)

GIXI represents prices for all hubs; for regional hubs will be named as GIXI West etc.

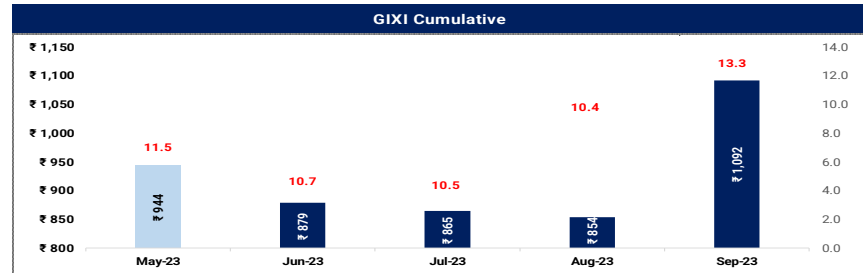
For months, named as GIXI-Jan23 etc.

Helps the market participants to know inland gas prices and to take suitable decisions

GIXI is the precursor for the Gas Futures which will help stakeholder in hedging

30-06-2023			
Month	₹/ MMBTU	\$/MMBTU	% Change
Jun-23	₹ 920	\$11.2	-
Jul-23	₹ 920	\$11.2	▼ -1.1%

Month	Delivery Point	₹/ MMBTU	\$/MMBTU	% Change	Best Buy	Best Sell
Western Hub						
Jun-23	Ankot AN	920	11.2	-	-	-
	Hazira HZ	800	9.8	-	-	-
	Dahej DH	810	9.9	-	-	-
	Mhaskal MS	927	11.3	-	-	-
	Suvali SV	915	11.2	-	-	-
Jul-23	Mhaskal MS	920	11.2	▼ -1.1%	-	-
	Ankot AN	880	10.7	-	-	898
	Dahej DH	-	-	-	700	1200
	Suvali SV	845	10.3	-	-	-
Southern Hub						
Jun-23	KG Basin KG	800	9.8	-	-	-
Jul-23	Gadimoga GD	860	10.5	-	-	-



- Note**
- 1) Monthly GIXI Cumulative Prices are delivery month-wise volume weighted average price
 - 2) Overall prices are excluding ceiling price gas only when gas traded at ceiling price.
 - 3) For details of gas hubs and delivery points, please refer Circular No. 59
 - 4) \$/INR conversion rate considered at 82
 - 5) Last Domestic Gas Ceiling Price Auction held on 21 June 23 at INR 860/MMBTU (below ceiling price)
 - 6) Best Buy/Sell bid price in Rs/MMBTU

Growth in Gas Demand will lead to opportunities for Gas Exchange & Other Stakeholders

- Government's vision of increasing share of Natural Gas in total energy basket from ~6.3% to 15% by 2030 will increase gas consumption in the economy from nearly 160 MMSCMD to 500+ MMSCMD
- With completion of 11th CGD bidding round >90% population will be covered in next 6 years
- LNG terminal capacity is expected to grow from current 47.5 MMTPA to around 72 MMTPA in 3 years
- Transmission pipeline network is expected to grow from ~21,000 km to around 35,000 km in coming years
- Unified transmission tariff (three zone) implemented
- Implementation of new Access Code Regulations and Incorporation of TSO
- Declaration of CGD GAs as common carrier
- Govt's push towards net zero carbon emissions by 2070 will lead to increase Natural Gas share in India's energy basket

Development of robust infrastructure along with ramp up in gas demand shall enable short term trading of gas in India.

Key Gas Market Enablers

Inclusion of Natural Gas under GST



Incorporation of TSO



Implementation of New Access Code Regulations



Declaration of CGD Exclusivity (Open Access within CGD Areas)



Policy Steps to Accelerate Role of Natural Gas in India's Economy
(Natural Gas usage over polluting fuels)



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International Carbon Exchange (ICX)



- IEX formed a wholly owned subsidiary – ICX, in December 2022 to promote voluntary carbon market; second diversification initiative after successful launch of IGX in 2020.
- Will help India achieve its target of reducing the emission intensity of its GDP by 45% by 2030 to limit global warming to 1.5 degrees Celsius.
- Will enable participants to buy and sell voluntary carbon credits at competitive prices through its transparent & reliable Exchange platform, thereby helping large corporates meet their ESG requirements.
- Today, large part of carbon credits are traded on a bilateral basis, exchange transactions are only 20-25 per cent.
- Almost 500 million units of carbon credits are traded globally presently. By 2030, this is expected to be almost 1,500-2,000 million carbon credit units – an increase of 3X/4X in trading volume (*based on a study with McKinsey*).
- By 2030, India will sell almost 200 million carbon credits, with demand from Indian corporations alone expected to be about 120-130 million
- IEX is exploring opportunities in the international carbon market

ICX will accelerate transition towards a Net Zero world through next-generation sustainability solutions



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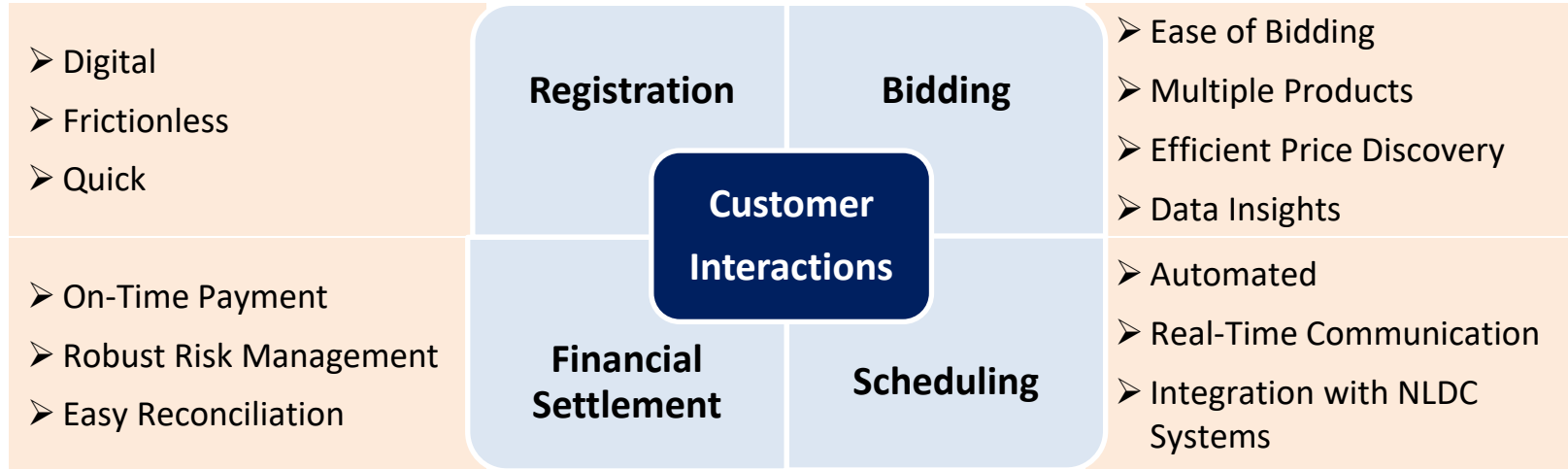
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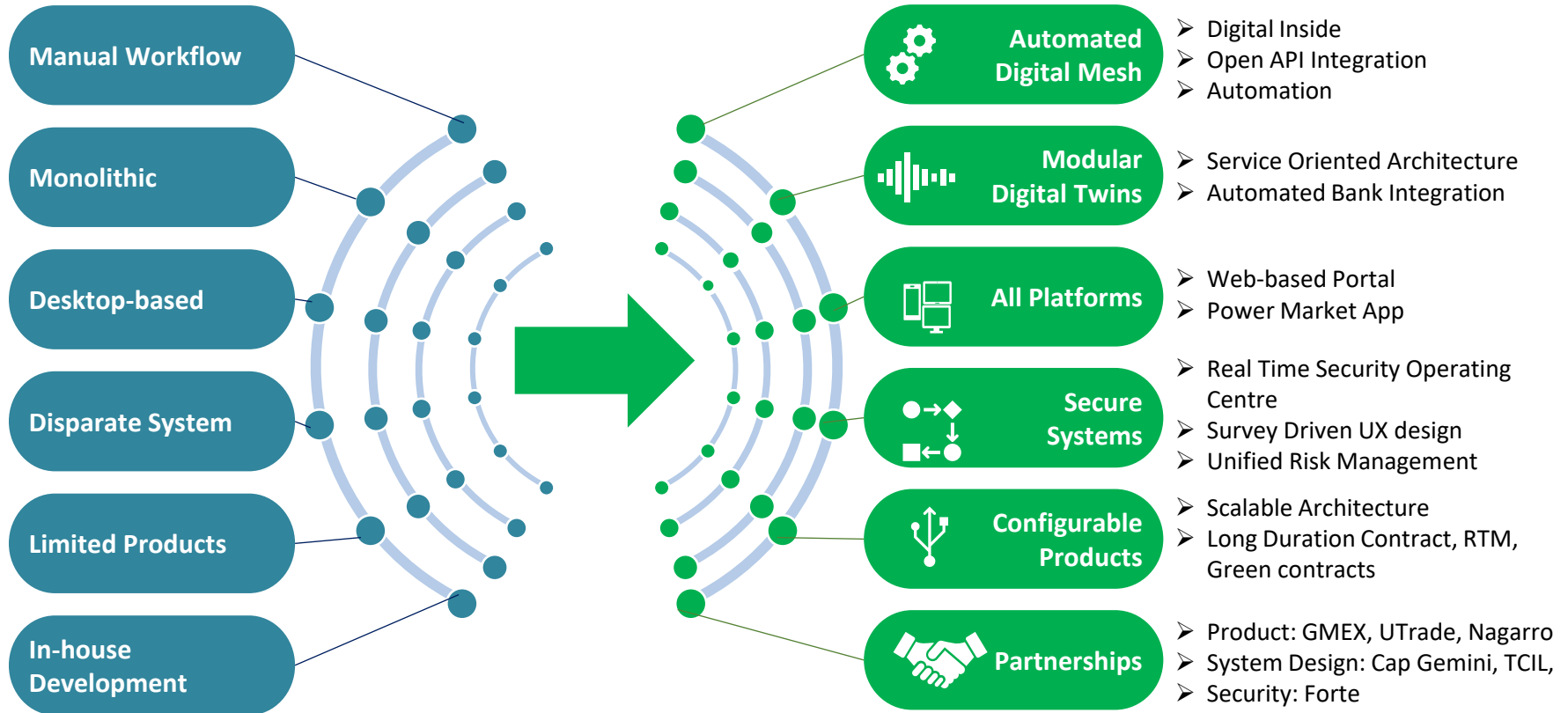
International Carbon Exchange (ICX)

Way Forward

Creating Customer Delight for Each Interaction



Transitioning Towards a Futuristic Tech Architecture



Enhancing Liquidity in the Spot Market

- Pool based CfD mechanism for RE capacity addition through the market
- Merchant RE capacity addition – 25% merchant capacity in all PPAs
- Unallocated power of the Central Generating Stations should be sold through exchange
- No renewal of existing PPAs after completion of 25 years & sell through market
- Allow aggregators to participate in the spot markets & offer fixed price contract to industrial consumers
- Generators (including renewable) can buy from the market for promoting efficiency
- Implement Gross Bidding on a voluntary basis
- Exclusive coal auction/allocation for Merchant Capacity
- Capacity Market to comply with resource adequacy obligation
- PPA should be of shorter duration of 10-15 years

IEX: Growth Drivers (1/2)

Growth from recently launched products

- RTM: June'20
- Green Markets: GTAM launched in Aug'20, GDAM launched in Oct'21
- Cross Border: April'21
- Term Ahead Market Up to 3-Months in June'22
- HP-DAM (High Price-DAM): March'23
- Ancillary Market launched: June'23

New Products

- RE capacity through exchanges; Contract for Differences
- Launch of Derivatives will provide price hedging opportunity and lead to lower volatility in prices thereby increasing liquidity in the spot market
- Capacity Market

New Business

- IGX launched in 2020 and achieved breakeven within first year of operations. Robust volume growth over next 5 years expected
- ICX – International Carbon Exchange – wholly owned subsidiary incorporated in Dec'22. Exploring business opportunities in voluntary carbon credit market
- Exploring Coal Exchange opportunity
- Other opportunity in the energy marketplace

IEX: Growth Drivers (2/2)

Favorable Policy and Regulatory Initiatives	<ul style="list-style-type: none">➤ Spot markets share to increase significantly as per Draft NEP 2021➤ GNA Regulation, Sharing Regulations, Grid Code, Late Payment Surcharge Rules, and sale of un-requisitioned power on exchanges will help deepen the power markets➤ Report of the Group on Development of Electricity Market in India, Ministry of Power charts out a roadmap for Indian Power Market over Short, Medium and Long Term
Coal Supply	<ul style="list-style-type: none">➤ Government of India increased coal production to nearly 900 MT in FY23, on way to its 1.2 Bn tonne target by 2025-26 to further drive availability of coal; will lead to lower electricity prices on the Exchange
Demand for Electricity	<ul style="list-style-type: none">➤ The electricity consumption grew by 9% in FY'23 and is expected to further increase by 6% in next 8 years

New Business Initiatives

Renewable Through Markets – Merchant RE

- IEX has worked with SECI & Deloitte to conduct feasibility study of Market based models for RE capacity addition
- The study results shows that market based RE models can command an IRR of 18%-20% V/s SECI bid projects having IRR ~ 12%-14%
- This result will give a major push to Merchant Renewable. Launched the report on 24th Aug 22 through IGNITE event

Carbon Markets

- ICX – International Carbon Exchange – wholly owned subsidiary incorporated in Dec'22 to explore business opportunities in voluntary carbon credit market
- Ministry of Power has notified Carbon Credit Trading Scheme for approving the formation of India's first domestic regulated carbon market. Trading of carbon credits to take place through exchanges. Notification does not include voluntary carbon trading

Coal Exchange

- Ministry of Coal has appointed consultant for finalizing framework for coal exchange in India
- IEX is working with MoC to explore options for setting up Coal Exchange

Future Opportunities

Virtual PPA's

- Financial instrument used by buyers and sellers to hedge cost of electricity
- Buyer not obligated to undertake direct physical delivery of electricity from seller
- Seller sells generated power at Exchange, undertakes realization from Exchange
- Bilateral settlement takes place w.r.t. contract price and buyer gets green attribute
- IEX working with corporate houses and players like Amazon, Google etc. to implement such models

Green Hydrogen & Battery Energy Storage System

- Green markets of Exchanges (GDAM/GTAM) can be leveraged to procure RE power for green hydrogen production
- Grid scale BESS expected to play crucial role in large scale RE integration (CEA: 27 GW by 2030)
- IEX working with SECI & MNRE to promote use of Market options for storage tenders – Recently SECI's storage tender of 500 MW provides for 40% open capacity which can leverage Power Exchange's market
- Storage system will provide liquidity in the peak hours

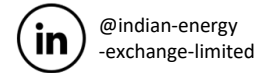
Contracts for Difference (CfDs)


- CfD model beneficial for RE generators, as it provides long-term stable price to mitigate risks associated with project development and financing
- Under market-based CfD mechanism for RE, power traded and scheduled at PXs at market prices
- Revenue to generator is guaranteed, termed as 'strike price', which is determined through auctions
- If discovered market price > strike price, generator pays difference to a pool maintained by Government entity. If market price < strike price, pool pays difference to generator.


P2P Trading


- P2P trading of electricity is emerging in different parts of the world due to increasing number of Prosumers
- IEX through its MoU Partners ISGF & Power Ledger, Australia has been jointly exploring P2P opportunities

Thank you



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