GNA INSIGHTS

GNA ENERGY
OTC PLATFORM
7th June '24

Power Supply Position

6th June'24

	Jun' 23	Jun' 24
Energy Met (MU)	4,715	4,919
Energy Shortage (MU)	7.72	1.94
Generation Outage (MW)	37,672	31,833
Frequency (49.9-50.05)	63.58%	71.59%

	Jun' 23	Jun' 24
Max Demand (MW)	217,259	230,073
Solar Hour Peak (MW)	217,259	230,073
Evening Peak (MW)	200,289	211,777
Peak Shortage (MW)	181	25

Non Fossil Generation (MU)

% Total Generation

23'-24.13% 24'-23.17%

Hydro		Solar		Wind		Nuclear		Others	
Jun' 23	Jun' 24	Jun' 23	Jun' 24	Jun' 23	Jun' 24	Jun' 23	Jun' 24	Jun' 23	Jun' 24
418	469	313	368	349	223	107	141	49	31

* Note: Others include Biomass Generation

Cross-Border Trades (MU)

Bhutan	Nepal	Bangladesh	Godda – Bangladesh	Myanmar
2.60	-0.70	-23.70	-30.80	0.00

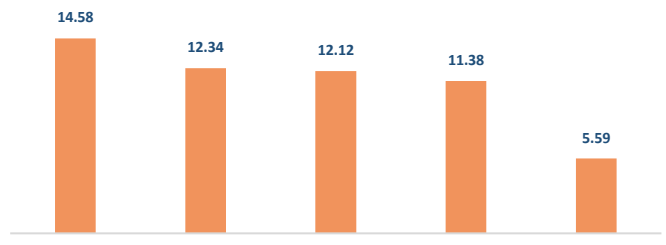
Source: Grid India

*Note: Import(+ve)/Export(-ve)

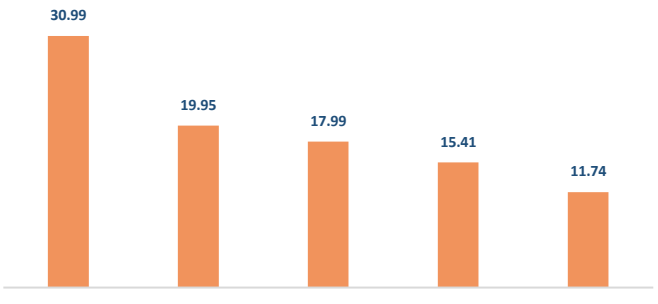
Collective Transactions

	DAM			G-DAM			RTM		
	IEX	HPX	PXIL	IEX	HPX	PXIL	IEX	HPX	PXIL
Purchase Bid (MU)	200.71	0	0	60.09	0	0	163.50	0	0
Sell Bid (MU)	279.35	0	0	40.69	0	0	257.93	0	0
MCV (MU)	127.32	0	0	23.47	0	0	134.14	0	0
Avg. MCP – 24' (₹/KWh)	4.97	0	0	5.68	0	0	3.97	0	0
Avg. MCP – 23' (₹/KWh)	6.52	0	0	6.25	0	0	6.58	0	0
Wt. Avg. MCP (₹/KWh)	4.49	0	0	4.18	0	0	3.77	0	0

Top Sellers (MU)



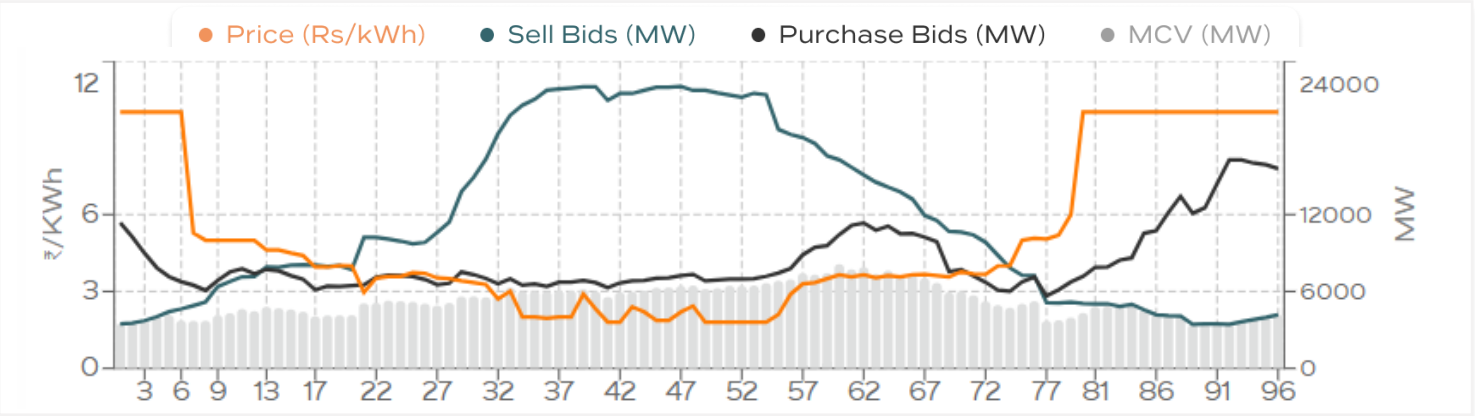
Top Buyers (MU)



Source: IEX, HPX, PXIL

Day-Ahead Market (7th Jun'24) — IEX

	Purchase Bid (MW)	Sell Bid (MW)	MCV (MW)	MCP (₹/KWh)
Maximum	16,287.3	22,013	8,121.34	10.00
Minimum	5,655.7	3,424.6	3,424.6	1.79
Average	8,362.99	11,639.78	5,305.04	4.97



Source: IEX

Reverse Auction Notices

Buyer	Channel	Buy Quantity (MW)	Delivery Date	Time Period	RA Date
UPCL	IEX	200	01-31 Jul'24	00:00-24:00	6th Jun'24
UPCL	IEX	150	01-31 Aug'24	00:00-24:00	6th Jun'24

Note: PXIL, DEEP, HPX– No Notices for today

Reverse Auction Results

Buyer	Channel	Delivery Date	Time period	Quantity (MW)			Price (₹/KWh)
				Buy	Unallocated	Allocated	
WBSEDCL	DEEP	01-31 Jul'24	00:00-24:00	1500	0	1500	6.41-6.98
WBSEDCL	DEEP	01-31 Jul'24	00:00-24:00	500	295	205	9.89-9.90
WBSEDCL	DEEP	01-31 Jul'24	00:00-24:00	500	475	25	9.90
WBSEDCL	DEEP	01-31 Aug'24	00:00-24:00	1500	0	1500	6.65-6.98
WBSEDCL	DEEP	01-31 Aug'24	00:00-24:00	500	0	500	9.83-9.90
WBSEDCL	DEEP	01-31 Aug'24	19:00-24:00	500	435	65	9.90-12.50
WBSEDCL	DEEP	01-30 Sep'24	00:00-24:00	1500	0	1500	6.69-7.20
WBSEDCL	DEEP	01-30 Sep'24	00:00-05:00	300	0	300	9.83
WBSEDCL	DEEP	01-30 Sep'24	19:00-24:00	300	185	115	9.90-12.50

Note: DEEP, IEX, PXIL, HPX– No Results for today

NEWS FLASH

Tenders and Projects

Indian Oil to set up 10,000 battery swapping stations across 40+ cities by 2030

This initiative is set to span across more than 40 cities in the next three year, facilitating the adoption of electric mobility across two-wheelers, three-wheelers, and small four wheelers through a BaaS model (EconomicTimes)

Sterlite Power Secures INR 1373 Crore from PFC for 6000 transmission project

The project comprises cutting-edge 6000 MVA, 765/400kV substation in Neemrana and a 400 kV transmission line network spanning approximately 250 kilometers which is poised to establish vital interconnections, linking the Neemrana substation to the existing Kotputli substation (SolarQuarter)

Mirzapur Thermal Energy becomes Adani Power arm following equity allotment

Mirzapur Thermal Energy U.P. Pvt Ltd has become Adani Power's arm following the allotment of 99.8 percent of its equity to the company. Consequently, MTEUPL has become a subsidiary of the Company (ETEnergyWorld)

J&K spends Rs 9250 Cr on power import in 2023-24

Despite having immense hydropower potential, J&K continues to grapple with a severe power crisis. In the fiscal year 2023-24, the J&K government spent a whopping Rs 9,250 crore on power purchases to meet the electricity demand (GreaterKashmir)

BHEL gets over Rs 3,500 cr order from Adani Power

BHEL on Wednesday said it has secured an order worth over Rs 3,500 crore from Adani Power Limited to set up a Thermal Power Project based on Supercritical Technology at Raipur in Chhattisgarh (EconomicTimes)

Shocker: Chandigarh plans to raise power tariff by over 19%

In a petition submitted before the Joint Electricity Regulatory Commission (JERC), the department has proposed revision in the fixed and energy charges in different domestic and commercial categories for the current fiscal (TribuneIndia)

Insights

Price Protection: CERC staff paper on regulatory oversight of power exchanges

The Staff paper was released with the aim to address unprecedented situations such as abnormal increases in power prices on exchanges. The paper discusses price discovery mechanisms, uniform market clearing prices (UMCPs), pay-as-bid (PAB) and bid screening (PowerLine)

Coal and renewables to drive $360 billion investment in India's power sector

India targets to achieve 500GW of renewable energy capacity by 2030, necessitating an annual capacity of about 44 GW (ETEnergyWorld)

India and Brazil lead emerging markets in clean energy investments

In a significant shift towards sustainable energy, global investment in clean energy is poised to double that of fossil fuels in 2024, reaching nearly $2 trillion, according to the International Energy Agency's (IEA) annual World Energy Investment Report (EconomicTimes)

Solar investment outstrips all other power forms: IEA

The International Energy Agency (IEA) forecast in a report that global investment in clean energy this year will hit $2 trillion, twice the amount going to fossil fuels EconomicTimes)

Railways rushes more coal to power plants to meet peak summer demand

Indian Railways transported 9.3 per cent more coal in May this year compared to the same month last year to help the country's power plants meet the peak demand for in scorching summer from power plants (EconomicTimes)

International News

Hydrogen production from electrolyzers is growing. Here are the latest projections

Developers in the U.S. plan to significantly expand hydrogen production using electrolysis, signaling a shift from hydrocarbon-based methods like steam methane reforming (SMR). If planned U.S. electrolyzer projects proceed, U.S. capacity could grow from 116 MW to 4,524 MW, producing about 0.72 million metric tons of hydrogen annually via electrolysis (PowerEngineering)

Events

India Energy Conclave - 4th Sep '24
Powergen India - 4th Sep '24

Reports

Can India achieve 30 GW offshore wind capacity target by 2030?