TATA POWER

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POWER MARKET CAPSULE-209th Edition

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TPTCL'S E-NEWS LETTER

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Tata Power Trading Company Limited (TPTCL)

Lighting up Lives!

Power Market News

India's power consumption grows 13.31% in September; 11.65% in H1 FY23

India's energy consumption grew by 13.31% on an annual foundation to 127.39 billion models (BU) in September 2022 and 11.65% throughout the first six months of this monetary 12 months, reported PTI citing authorities information. The double-digit development highlights restoration in financial actions following the pandemic-induced lockdown.

They're additionally of the view that demand in addition to consumption of electrical energy will enhance because of the festive season and enchancment in financial exercise. Energy consumption in September final 12 months was recorded at 112.43 BU, greater than 112.24 BU in the identical month of 2020, energy ministry information confirmed.

Electrical energy consumption throughout April-September 2022 grew by 11.65 per cent to 786.5 BU in comparison with 740.40 BU in the identical interval in 2021. It was 625.33 BU in April-September 2020. The height energy demand met, which is the best provide in a day, in September 2022 rose to 199.47 gigawatts (GW).

The height energy provides stood at 180.73 GW in September 2021 and 176.41 GW in September 2020. The height energy demand met was 173.14 GW in September 2019 (pre-pandemic interval). Electrical energy consumption in September 2019 stood at 107.51 BU. Specialists opined that the double-digit development in energy consumption in September forward of festivities in October signifies appreciable surge in industrial and business demand for electrical energy, which factors in direction of financial restoration. ***Source***

2.5 million apply for power subsidy in Delhi; more expected in coming days

Out of 5.8 million power consumers in Delhi, 2.5 million have applied for a tariff subsidy. The state government expects the number to pick up in the coming days as the awareness of the new mandate spreads, a report by Hindustan Times (HT) stated.

Those who applied for the subsidy before September 30 will receive the subsidies in the electricity bill for October. On September 14, Delhi Chief Minister Arvind Kejriwal announced that the customers can avail of power subsidy by giving a missed call on 7011311111 or by sending a Whatsapp message. The applications started on September 14. Kejriwal had said many people want to opt out of the subsidy scheme and those who do not require it should not get it. The chief minister had also said the subsidy will continue for those who apply.

There are 58 lakh domestic power consumers in Delhi, of whom 47 lakh availed the subsidy before September 14, including 30 lakh who get zero bills and 16-17 lakh who get a 50-per cent subsidy. At present, consumers with a power consumption of fewer than 200 units do not have to pay any charges and those with a consumption of up to 400 units get a 50 per cent subsidy up to Rs 800.

Those who apply by October 31 will get the subsidy for the month. Those who do not do so will have to pay their bills but can apply next month, he had said. "Many people may not have been able to apply and some may have been unaware of the programme. We are going to carry out drives in the coming days to make sure every domestic power consumer knows about the new policy and decides if they wish to continue or discontinue their power subsidy," an official told HT. The Delhi government's expenditure on the power subsidy scheme has increased by 125.26 per cent from its first year in 2015-16 till 2022-23, the HT report added. ***Source***

Indian Energy Exchange total trade volume dips 8% to 8,160 million units in Sept

The total trade volume of Indian Energy Exchange (IEX) registered an 8 percent annual decline in September to 8,160 MU (million units). The total trade volume in September 2021 was at 8,997 MU, an IEX statement said. However, on a month-on-month basis, IEX registered a 5 percent growth in September. The total trade volume of 8,160 MU in September, 2022, comprised 7,118 MU in the conventional power market, 454 MU in the Green Power Market, and 588 MU (8.51 lakh Certificates) in the REC Market, according to the statement.

The average clearing price in the Day-ahead market rising to Rs. 5.63 in September, which was 9% higher on MoM basis and 28% higher on YoY. The supply-side constraints continued due to high prices of e- auction coal, imported coal and gas, it said. The Day-Ahead Market volume increased from 3529 MU in August 2022 to 4050 MU in September 2022, i.e 15% growth on MoM basis, the statement said.

The Real-Time electricity market achieved 2,193 MU volume during the month, registering a 19 per cent YoY. The highest single-day volume of 104 MU was achieved on September 25, 2022. The Term-Ahead Market (TAM), comprising intra-day, contingency, daily & weekly contracts, and LDCs traded 875 MU during the month, growing by 21% on MoM and an astounding 721% on YoY basis. Cumulatively for the quarter, TAM traded a total of 2,038 MU and registered a remarkable 30% YoY growth.

A total of 5.88 lacs RECs (renewable energy certificates) were cleared in the trading session at IEX Wednesday, September 28, 2022. The REC volume comprised 1.98 lacs non-solar RECs with clearing price at ₹1,000 per REC. It further said that increased inventory of solar RECs saw the clearing price reaching floor-level at ₹1,000 per REC, with 3.90 lacs solar RECs traded during the month. The next REC trading session at the Exchange is scheduled on Wednesday, October 26, 2022. ***Source***

POWERGEN India 2022 to Facilitate India's Mission of Becoming 'AatmaNirbhar' in Energy

ITEN Media & Clarion Energy, UK are set to host the 17th edition of POWERGEN India during 12th-14th October 2022 at New Delhi.

Themed “Building a Modern Power System”, POWERGEN India Co-located with Indian Utility Week and DISTRIBUTECH India would bring together 200 Exhibitors, 150+ Speakers, 500+ Delegates and over 8000 qualified professionals from the entire value chain of the global power generation, transmission and distribution under one roof.

Part of the world's largest series of Energy Events organized across USA, Europe, Africa, SE Asia, Africa & India, the Co-located events will bring an unprecedented opportunity, with insights shared by the most forward-thinking policy makers, regulators, industry titans, thought leaders and experts.

Facilitating India's clean energy transitions the combined events would provide a platform for these energy ecosystem stakeholders to unpack the industry's priorities including visionary reforms, decarbonization pathways, breakthrough technologies, low-cost capital investments and strategies for building India’s long-term self-reliance in energy.

The concurrent strategic summits & knowledge hubs will be action-oriented covering host of topics from India’s Green Hydrogen Ecosystem, Generation Outlook, Gas based Power, Flexible & Autonomous Generation, Decarbonisation strategies, Emission control initiatives, Digitalisation and Future Energy mix to building Next-Gen, Digital-Age Utilities of the Future through Smart Metering, Smart Grids, Battery Storage, Micro Grids, EV Charging Infrastructure, Cybersecurity& Electricity Markets etc.

Speaking about the co-located events, Mr. Abhishek Bhatnagar, Member Advisory Committee - POWERGEN India & Indian Utility Week, said, “With India’s energy demands set to grow by more than that of any other country in the coming decades, the enormous challenge of transforming India’s energy systems is also a huge opportunity for its economy. Transforming the economy from one dominated by fossil fuels into one powered predominantly by renewable energy would propel India as a global leader in renewables, battery storage & green hydrogen. It would also secure access to affordable energy supplies, build self-reliance, create millions of new jobs and boost economic growth.”

Mr. Bhatnagar further added that, “India’s net-zero emission targets coupled with sustainable, reliable & affordable electricity for all would begin with building a modern power system. The rapidly evolving energy mix & the higher share of renewables in the grid have further catalysed the demand of cutting edge technologies & solutions. The co-located events are thus timely and important for the country. They would also facilitate the building of an digital age, secure and sustainable power system that would propel India as a global leader in clean energy.”

POWERGEN India, Indian Utility Week & DISTRIBUTECH India 2022 thus promise to be a progressive step towards building a cleaner, greener & sustainable power system that will facilitate India’s mission of becoming 'AatmaNirbhar' in energy. ***Source***

Power minister stresses on procurement, use of biomass pellets in power plants

Power minister R.K. Singh stressed on the need for accelerated procurement and use of biomass pellets in thermal power plants. He was speaking at an inter-ministerial meeting held to review the progress of biomass co-firing in thermal power plants along with Parali management in NCR and adjoining states. The meeting was held under the co-chairmanship of the union power minister and Bhupender Yadav, the union minister of environment, forest and climate change. A statement from the ministry of power said that Singh emphasized that orders for procurement & use of biomass pellets in thermal power plants (TPP) must be expedited and at least 5% co-firing is to be ensured.

He also highlighted that power utilities should make all out efforts to complete the procurement process for existing tenders as soon as possible. The minister also underlined that till the time supply from the long term tenders is not started, power utilities should start procurement for the short term via alternate methods like commission agents as the harvesting season has already started. “R.K Singh also stressed that measures should be taken for expeditious setting up of manufacturing facilities for torrification of biomass pellets in different locations to overcome the challenges of supply of biomass’s pellets," the statement said.

According to the power minister, the Principal Secretary (Environment) of each state should act as nodal person for biomass cofiring in the state. The ministry would put penal provisions on those thermal power plants that do not comply with the ministry of power’s policy on biomass co-firing, he said, adding that sufficient emphasis was given on the fact that the health and safety of the citizens was topmost priority and no one has the right to put innocent lives in danger.

The statement said that, while till FY 2020-21, only eight power plants had co-fired biomass pellets, the corresponding number has increased to 39 as on date. In the NCR region, 10 TPPs have started co-firing. As on date, 83,066 metric tonne (MT) of biomass has been co-fired in 39 thermal power plants across the country totalling to a capacity of 55390 MW. In NCR region, the biomass co-fired is 22,696 MT out of which 95% has been done by NTPC. It was suggested that other gencos should follow the footstep of NTPC for successful implementation of Biomass co-firing in the country. On the biomass pellet procurement side, a large number of tenders have been floated by several power plants. Around 106 million metric tonne (MMT) of biomass tenders are at various stages of the tendering process.

During the review, it was observed that the target of 5% co-firing of biomass along with coal in TPPs in the country was still far off. However, most power plants have issued long term tenders and the situation is expected to improve when the supply will start in those tenders. Direction was given to all thermal power plants in NCR region to install biomass pellet manufacturing plants (torrefied / non-torrefied) in their premises, including the private power companies. GENCOs may also explore to put up plant through Consortium. It was further highlighted that the non-compliance in this regard would be viewed very strictly. CAQM was also communicated to start considering penal provisions on thermal power plants which are not taking enough steps to curb emissions and not co-firing sufficient quantity of biomass. CPCB informed that financial incentives are to going to be provided for setting up pellet manufacturing plants in the NCR region, the statement said. ***Source***

Centre floats guidelines to monetise state transmission assets

The Power Ministry has floated guiding principles for State governments to identify and monetise brownfield transmission assets in a bid to scale up power sector infrastructure. The rationale is that States have significant potential for asset monetisation by leveraging brownfield transmission projects and mobilising proceeds for new infrastructure projects, boosting their economic prospects. It suggested the Acquire, Operate, Maintain and Transfer (AOMT) based Public Private Partnership model.

This comes after the Centre monetised Power Grid's (PGCIL) five transmission projects in May last year, raising more than ₹7,700 crore. For this, PGCIL had set up an InvIT (PowerGrid Infrastructure Investment Trust, or PGInvIT) in January 2021. In FY22, PGCIL raised ₹8,370 crore through monetisation and the target for FY23 is ₹6,860 crore.

As of March 2020, India's total transmission line length network stood at around 7,13,400 circuit kms (66 kV). "Brownfield seasoned transmission assets in particular have demonstrated significant investor appetite from long-term institutional investors owing to underlying asset characteristics and availability-based business model as evidenced by successful InvIT based monetisation for transmission assets in public as well as private sector," Power Ministry said.

AOMT model

Under the AOMT model, the SPV, which will own the transmission asset, is bought by the selected investor for a prescribed time with associated rights and duties against payment of upfront lump sum amount.

The SPV becomes essential to the process as the Regulated Tariff Mechanism (RTM) assets are part of a transmission company's (Transco) balance sheet necessitating a demerger into a SPV to unlock value. However, a demerger might not be needed for tariff-based competitive bidding (TBCB) assets as they are generally housed in a project specific SPV. The SPV shareholding would be transferred to an investor, as part of monetisation and can be bought back at a nominal cost of Rs 1 at the end of the stipulated period. For the stipulated transaction period, the investor will undertake O&M of the transmission network including the right to earn transmission charges subject to provisions of the Transmission Service Agreement.

The investor would be selected through a competitive bidding process to acquire the 100 per cent shareholding of the SPV. The tenure of the transfer agreement will be decided by the sponsoring Transco on a case-to-case basis and may normally be coterminous with economic life of the asset in case of RTM assets or residual license period in case of TBCB assets.

Identifying assets
For RTM assets, the sponsoring Transco shall identify assets which can be clearly ring-fenced, have identifiable revenue stream and clear from all litigations, preferably with vintage of up to l0 years from the date of commercial operation. The estimated book value of the assets should preferably be determined by an independent auditor appointed by the sponsoring Transco.

Tariffs
For TBCB assets, the tarifl adopted by the appropriate State Commission, as applicable during the tenure of the transfer agreement, shall continue to be collected by the SPV, subject to the provisions of TSA. In case of RTM assets, the Commission may specify a premium, which may be provided over and above the prevailing return on long term government securities (5 year G-Sec) to arrive at the rate of return on equity applicable for the tenure of the transfer agreement. ***Source***

Nepal proposes selling an additional 222 MW of electricity to India

Nepal has proposed selling an additional 222 MW of electricity to India as it is facing losses of up to 800 MW daily due to increasing electricity generation within the Himalayan nation and decreasing domestic demand. In June, Nepal started exporting the total approved 364 MW of electricity to India through its power exchange market. Buoyed by surplus rainfall this year, Nepal is exporting surplus electricity to India through its power exchange market for the second consecutive year, according to the state-owned power utility body, Nepal Electricity Authority (NEA).

"We are facing from 400 to 800 MW as losses due to increasing electricity generation within the country and decreasing domestic demand," said Pradeep Thike, Deputy Managing Director of NEA. "We have asked the Indian authority for the approval of exporting an additional 222 MW of electricity for the last two months, but have not got any response from them," he said. By selling 364 MW electricity to India from June to November end, Nepal will receive Rs 4.78 billion, according to the NEA.

Electricity worth nearly Rs 1.84 billion has been exported to India in the first month of the current fiscal year. NEA started selling surplus electricity in the day-ahead market of Indian Energy Exchange Limited (IX) at competitive rates from June 2. Nepal became an energy surplus country ever since the 456MW Upper Tamakoshi Hydropower Project came into full operation in August last year, the Himalayan Times report said in November last year. ***Source***

Power Sector Q2 Preview: Demand spike to better PLF, boost generation, profitability

Power sector companies are likely to report strong numbers for the quarter ended June 2022 on the back of a 5 percent –on-year (YoY) growth in demand. The daily peak demand during the quarter was also higher by 4 percent on year. India’s power consumption grew by 13.3 percent on an annualised basis to 127.4 billion units (BU) in September 2022 and 11.65 percent during the first six months of this financial year.

Electricity generation was higher for both the public sector and private players while distribution companies reported sales that were substantially higher, which should show up in higher revenues. Experts believe that demand for as well as consumption of electricity will increase further due to the festival season and improvement in economic activity with the ministry of power expecting peak demand to touch 215 GW (gigawatts).

Generation
July and August saw low generation growth due to heavy rains but September saw about 11 percent generation growth over the previous year, with hydropower generation going up by 24 percent and

thermal 9 percent. For the quarter, growth in hydropower generation stood at 14 percent, with thermal and renewable energy posting a growth in generation of 2.5 percent and 8.5 percent, respectively, on a YoY basis.

Fuel for generation

According to a report from Emkay Research, coal production reported a YoY growth of 11 percent for the quarter and an on-year growth of 20 percent for the first six months of the current fiscal. Coal dispatches were up 5 percent YoY for the quarter and up 8 percent for H1FY23.

"As of end-September (i.e. till 29 Sep), coal inventory at domestic coal-based plants stood at 24MT, which is up 2.4x since clocking 10MT in Sep-21, when a sudden spike in generation pushed up coal demand," said the report from Emkay Research.

International coal prices remained at elevated levels in Q2FY23 and given the various events and situations surrounding Europe and gas prices, analysts at ICICI Securities expect prices to remain high in FY23. Australian and South African thermal coal prices were more than $ 300 per tonne for the whole quarter while Indonesian coal prices moderated slightly to $170 per tonne.

However, JKM (Japan Korea Marker) LNG (liquefied natural gas) prices again increased towards the end of September to more than $50 per MMBtu (metric million British thermal units). The higher prices of coal and gas will likely impact the profitability of Indian power companies on a sequential basis.

Performance of the main players

NTPC – It is likely to see a generation growth of 8-9 percent on-year, along with realisation growth of 12 percent. "During Q2FY23, generation for NTPC (standalone) grew by ~9 percent YoY, which is far better than the total Indian thermal generation growth of 2.5 percent YoY," said analysts at Emkay Research. Generation from NTPC's key subsidiaries/joint ventures grew by 34 percent YoY on the back of higher capacity and improved plant load factor (PLF).

However, experts expect input cost growth is likely to remain ahead of realisation, which will lead to about 8 percent YoY growth in profit after tax (PAT) growth for NTPC. Power Grid - The company has plans to foray into the smart metering infra business, where it will invest in smart meter asset development business as floated by the respective state utilities. Power Grid aspires to be present across the value chain, wherein it will set up the required infrastructure and manage operations and maintenance business as well.

"Power Grid is expected to grab a significant portion of the tariff-based competitive bidding (TBCB) opportunity of ~Rs 30,000 core over the next six months," said a report from ICICI Securities. The brokerage expects the company's Q2FY23 consolidated recurring PAT to increase 10.1 percent YoY on the back of Rs 11,000 crore trailing 12 months asset capitalisation.

Tata Power - Prices of imported coal are up over 7 percent quarter-on-quarter and +128 percent annually, leading to improved coal profitability from the company's Indonesian mines. Analysts at Kotak Institutional Equities expect higher imported coal prices to lead to improved profitability while performance in the generation segment is likely to remain on the regular course with losses likely to come down in Mundra. According to a report from ICICI Securities, the company's renewables and distribution business makes it the best private player in the sector and expects the company's adjusted PAT to increase 67 percent YoY to Rs 680 crore for the quarter. Coal India - Coal India will continue to benefit from higher volumes due to import substitution as well as higher prices for e-auction sales.

Analysts at ICICI Securities estimate Coal India's Q2FY23 PAT to grow 102 percent YoY to Rs 5,900 crore mainly due to a 4.7 percent YoY growth in offtake to 154 million tonnes and 16.7 percent YoY increase in average realisation to Rs 1,689 per tonne. Among other players, owing to seasonality, the hydro plants of JSW Energy and NHPC are likely to report strong PLFs basis which the PAT for JSW is likely to increase by 25 percent on year and NHPC is likely to see a moderate growth of 3 percent. ***Source***

Govt not to cancel coal block allocation to Rajasthan despite demand from Chattisgarh: Mr. Joshi

Union coal minister Pralhad Joshi said that the Chhattisgarh government has requested for cancellation of the allocation of coal blocks to Rajasthan but the government has refused to do so. He said that he has spoken to Chhattisgarh and Rajasthan chief ministers and is looking forward to resolving the issue and getting the mining activities resumed so that Rajasthan continues to get 11 rakes of coal from there.

"A resolution from the Chhattisgarh government has come for getting the mine allotted to Rajasthan in Chhattisgarh cancelled, but we have allotted to Rajasthan under a process, therefore we are not cancelling it," Joshi told reporters here. "The government of India in principle has taken a stand not to cancel that. It will be our effort to get the mining activities resumed so that Rajasthan continues to get 11 rakes of coal from there," he said.

Both Rajasthan and Chhattisgarh are Congress-ruled states. The Union minister said that the demand for energy has significantly increased across the country including in Rajasthan. He said that his ministry will try its best to support the state in fulfilling its coal requirement.

Joshi said that the supply of coal has been increased from 12-13 rakes per day to 16.5 rakes per day so that the power plants in Rajasthan face no crisis of coal. Earlier, speaking at a programme of MoU signing between Coal India Ltd and Rajasthan Vidyut Utpadan Nigam ltd (RUVNL) for setting up a 1,190 MW solar plant in Bikaner, Joshi said that the central government has laid special emphasis on promoting renewable energy generation.

Along with this, by adopting new technology, the government is also working towards producing electricity from coal without pollution. Joshi said that per capita electricity consumption in the country will almost double by 2040 and to meet future needs, there is a need to pay special attention to electricity generation from renewable sources. He said that there is no shortage of coal in the country and there has been a huge increase in the production of coal, but now there are many restrictions on the use of coal.

Rajasthan chief minister Ashok Gehlot said that the state has huge potential for solar power and asserted that factories to manufacture equipment used in setting up solar plants should be set up in the state so that employment opportunities should also be created along with the generation of energy. The MoU was signed for setting up 1,190 MW solar power plant in Rajasthan's Bikaner district. Coal India ltd will set up the plant which is scheduled to be completed in two years.
The solar plant will be set up in a 2000 mw solar park in Poogal, Bikaner. The state government has allotted 4,846 hectares land to develop the park in which the RVUNL will set its own solar project of 810 MW, and a power project of 1,190 will be set up by the CIL. CMD of RVUNL R K Sharma and CIL's Technical Director V Reddy signed the MoU in the presence of Union coal minister and Rajasthan chief minister. ***Source***

CIL's coal output rises 20 pc in April-September

State-owned CIL reported a 19.7 per cent growth in its coal production at 299 million tonnes (MT) in the April-September period of the current fiscal. The company accounts for over 80 per cent of domestic coal

output. The output of Coal India Ltd (CIL) during the corresponding period of the previous fiscal was 249.8 MT, the public sector enterprise said in an exchange filing.

The figures provided by the company are provisional. Achieving nearly 43 per cent of the fiscal's 700 MT production target in six months, CIL is aiming to produce the rest in the second half, the coal behemoth said in a statement. Usually, CIL's production during the second half of a year remains much higher than the first half.

The public sector unit's coal production last month also increased to 45.7 MT, over 40.7 MT in September last fiscal. The company's coal offtake in the April-September period increased to 332 MT, over 307.9 MT in the corresponding period of previous fiscal, the filing said.

Supplies to power plants, on the back of rise in production and higher loading, went up to 285.5 MT in the first half of FY23. "The year-on-year jump is 41 MT, logging 16.8 per cent growth. CIL's supplies stood at 244.5 MT in H1 FY22," the statement said. Eliminating coal shortage apprehension during the festive season, it said taht there is sufficient coal stock at CIL's pitheads and at power plants.

As of September end (till 29th), coal inventory at domestic coal-based plants stood at 24 MT with bulk of the stock augmented by CIL's supplies. "The stock is up by 2.4-fold compared to 10 MT of September '21 when a sudden spike in (power) generation pushed up the coal demand. Ending September, CIL's pitheads have a stockpile close to 28 MT," the statement said. It further stated that now adequate coal stocks are within reach. Production also increases from October onward. There is no cause for shortage apprehension. ***Source***

Transmission charges payable by DICs for the billing month of November'22

The Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses), Regulations 2020 came into force with effect from 1.11.2020. In these New Regulations, STOA charges will be determined based on monthly state transmission charges and there shall not be any separate injection and drawl PoC charges, for STOA. Further, DISCOMs having long term Access are not required to make any payment against POC charges for STOA transaction.

Transmission Charges for Short Term Open Access (STOA)			
Sl. No.	**State**	**Region**	**STOA rate (paise/kWh)**
1	Delhi	NR	49.45
2	UP	NR	51.01
3	Punjab	NR	49.75
4	Haryana	NR	59.33
5	Chandigarh	NR	42.59
6	Rajasthan	NR	58.57
7	HP	NR	40.68
8	J&K	NR	43.47
9	Uttarakhand	NR	50.58
10	Gujarat	WR	44.98
11	Madhya Pradesh	WR	45.38

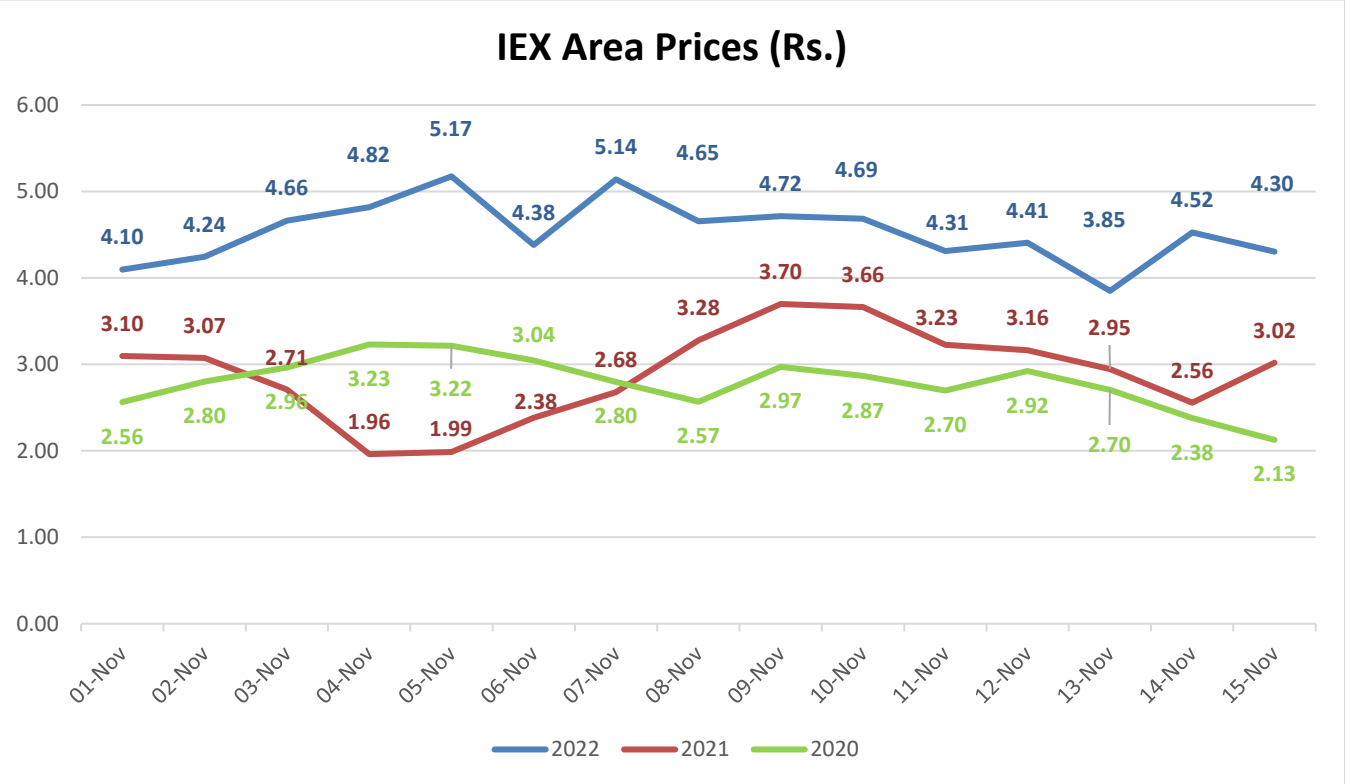
12	Maharashtra	WR	52.66
13	Chhattisgarh	WR	38.13
14	Goa	WR	46.41
15	Daman Diu	WR	50.11
16	Dadra Nagar Haveli	WR	50.11
17	Andhra Pradesh	SR	59.63
18	Telangana	SR	45.64
19	Tamil Nadu	SR	45.52
20	Kerala	SR	46.86
21	Karnataka	SR	52.21
22	Pondicherry	SR	43.16
23	Goa-SR	SR	41.57
24	West Bengal	ER	52.02
25	Odisha	ER	49.18
26	Bihar	ER	43.69
27	Jharkhand	ER	48.71
28	Sikkim	ER	38.76
29	DVC	ER	42.31
30	Bangladesh	ER	36.88
31	Arunachal Pradesh	NER	41.61
32	Assam	NER	41.90
33	Manipur	NER	42.13
34	Meghalaya	NER	36.02
35	Mizoram	NER	40.72
36	Nagaland	NER	56.16
37	Tripura	NER	46.79

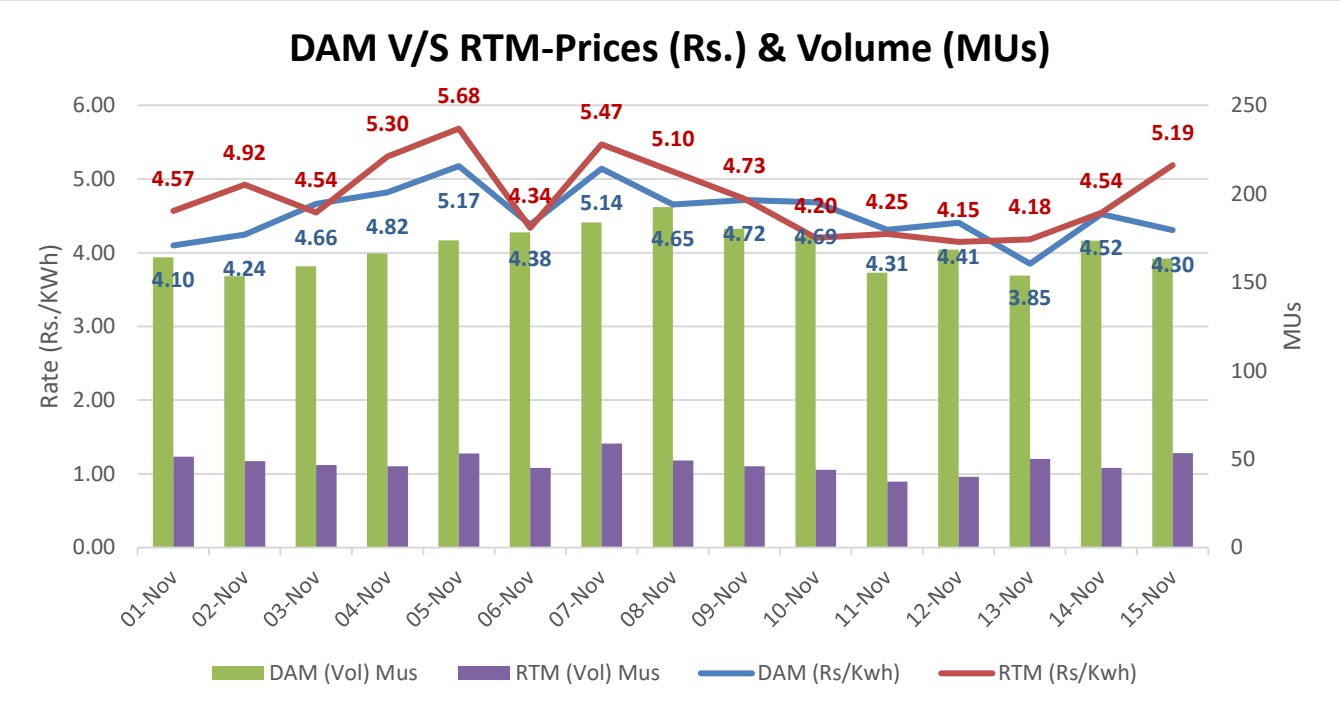
Bilateral Tender Results: -

Sl. No.	Tender Quantum (MW)	Supply Period	Time Blocks (Hrs.)	Price (Rs./kWh)	LOI Status
MPPMCL/Short/22-23/RA/148					
1	200	16.11.2022 to 30.11.2022	06:00 to 20:00	5.97- 6.95	Bid validity over/LOI not issued
2	300	01.12.2022 to 31.12.2022	06:00 to 20:00	5.98- 6.97	
3	300	01.01.2023 to 15.01.2023	06:00 to 20:00	6.44-6.98	
4	500	16.01.2023 to 31.01.2023	06:00 to 20:00	6.44-6.98	
5	400	01.02.2023 to 28.02.2023	06:00 to 20:00	6.75-6.99	

Andhra Pradesh Power Co-ordination Committee (APPCC)/Short/22-23/RA/167					
1	900	01.11.2022 to 30.11.2022	18:00 to 22:00	9.82- 12	Awaited
2	1500	01.12.2022 to 31.12.2022	07:00 to 10:00	6.65-12	
3	900	01.12.2022 to 31.12.2022	18:00 to 22:00	9.82- 12	
4	1500	01.01.2023 to 31.01.2023	07:00 to 10:00	6.65	
5	900	01.01.2023 to 31.01.2023	18:00 to 22:00	9.82	
6	1500	01.02.2023 to 28.02.2023	07:00 to 10:00	6.65	
7	900	01.02.2023 to 28.02.2023	18:00 to 22:00	9.82	
8	1100	01.03.2023 to 31.03.2023	00:00 to 24:00	9.5-12	
9	1500	01.03.2023 to 31.03.2023	07:00 to 10:00	8.23	
10	900	01.03.2023 to 31.03.2023	18:00 to 22:00	11.95	
11	1100	01.04.2023 to 30.04.2023	00:00 to 24:00	9.5-12	
12	1500	01.04.2023 to 30.04.2023	07:00 to 10:00	8.23	
13	900	01.04.2023 to 30.04.2023	18:00 to 22:00	11.95	
14	1500	01.05.2023 to 31.05.2023	07:00 to 10:00	8.23	
15	900	01.05.2023 to 31.05.2023	18:00 to 22:00	11.95	

IEX Price Trends





Weather (Estimated for next fortnight)

City	Max Temp	Min Temp	Precipitation (Probability)
DELHI	27	10	1%
MUMBAI	32	22	1%
KOLKATA	28	16	1%
CHENNAI	29	22	21%

(Source - Accuweather)

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Editorial team: Biswajit Mondal (Specialist-Short Term, Utility Marketing) Mob No-9717533211 and Nishu Kumari (Supervisor- Marketing) Mob No- 8210172389