

INDIAN POWER SECTOR

Thermal PLF uptrend to continue in FY2024, with demand growth of 5.0-5.5%

MAY 2023

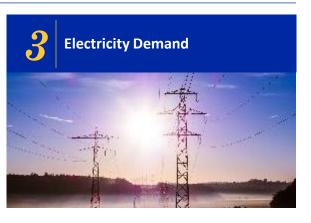


Agenda















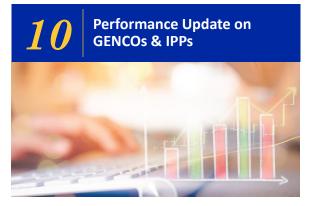
Agenda

















Executive Summary

Executive summary - I

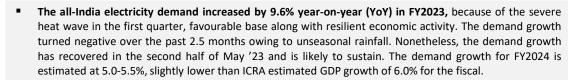


Demand growth likely to recover from the second half of May '23 after moderating in the first 1.5 months of FY2024 owing to unseasonal rainfall; demand growth estimated at 5.0-5.5% for FY2024.

Thermal PLF is expected to cross 65.0% in FY2024 led by the demand growth and limited capacity addition; sustained demand growth to improve visibility on new PPAs.









■ The all-India thermal PLF is expected to cross 65.0% in FY2024 from 64.2% in FY2023 driven by demand growth and limited capacity addition. A sustained demand growth is likely to improve the visibility on new PPAs for thermal projects. However, the thermal PLF would remain under pressure over the long term amidst the growing share of renewables (RE) in the generation mix, driven by the strong policy push.



■ The coal stock level at power plants has been witnessing a gradual improvement, from 9.4 days as on March 31, 2022 to 12.1 days as on December 31, 2022 and further to over 13 days as on May 29, 2023, though remaining below the normative stock level of ~24 days. This is led by the increase in supply by the coal companies and rise in coal imports for blending. Given the expectations of a reasonable demand growth, the augmentation of coal supplies to ensure uninterrupted power supply remains significant.



■ The coal imports by power utilities increased by 106% on a YoY basis in FY2023 amid the recovery in electricity demand following the MoP directive in May '22 to domestic coal-based power plants to import and blend coal and for imported coal-based units to operate under the fuel cost pass-through arrangement. With the MoP again notifying an order to import & blend coal on January 9, 2023 for the period till September 2023, the share of imports in FY2024 is likely to remain similar to FY2023.



■ Recent developments press the importance of thermal power capacity in the overall energy mix amidst the growing focus on RE growth — i) MoP order specifies a pooled tariff mechanism for continuance of thermal power plants operating beyond 25 years with expired PPAs ii) PFC Consulting notifies a tender for 4.5-GW medium-term PPAs for thermal power plants.

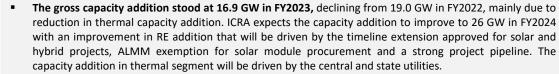
Executive summary - II



Spot power tariffs expected to moderate in FY2024 to ~Rs. 4.5 per unit, albeit remaining elevated in comparison to the historical average.

Progress in issuance of tariff orders for FY24 remains reasonable for state discoms with 22 out of the 28 states issuing tariff orders thus far; however, the extent of tariff hikes remain muted in relation to the rise in cost of supply.







■ The average spot power tariffs in the day ahead market (DAM) of the Indian Energy Exchange remained high at Rs. 5.9 per unit in FY2023 against the long-term average of Rs. 3.0 - 3.5 per unit, following sharp revival in electricity demand and high coal prices. The prices have moderated since Feb '23 with slowdown in demand. ICRA expects the average short-term tariffs to moderate in FY2024 to about Rs. 4.5 per unit.



The collection efficiency in the inter-state (ISTS) power transmission segment was satisfactory, with Power Grid Corporation of India Limited (PGCIL) reporting collections of over 98% in FY2023 vis-à-vis less than 90% in 9M FY2023, after witnessing an improvement in Q4 FY2023. Over the years, the collection efficiency for ISTS projects has been healthy, supported by the presence of the pooling mechanism.



■ The tariff-determination process for state distribution utilities (discoms) remains reasonable, with tariff orders being issued for 22 out of 28 states. However, the tariff hike approved remains low with a median tariff hike of 0.3%, which is lower than the 2.1% approved for FY2023 and further, lower than the hike petitioned by discoms. Considering the upward pressure on cost of supply, the timely pass-through of cost variations by the discoms to the customers through tariff revisions remains important.



A slew of reforms are under way addressing the challenges faced by the distribution segment — Revamped Distribution Sector Scheme (RDSS) for reducing AT&C losses, Late Payment Surcharge (LPS) rules to reduce dues from discoms, Fuel and Power Procurement Adjustment Surcharge (FPPAS) to ensure regular pass-through of variation in power purchase cost, proposed framework for subsidy accounting and payment and, additional prudential norms to maintain financial discipline. These reforms, if implemented promptly, would result in alleviating the weak financial position of the state discoms.



ICRA Analytical Contact Details

Name	Designation	Email	Contact Number
Sabyasachi Majumdar	Senior Vice-President & Group Head	sabyasachi@icraindia.com	0124- 4545 304
Girishkumar Kadam	Senior Vice-President & Co-Group Head	girishkumar@icraindia.com	022 – 6114 3441
Vikram V	Vice-President & Sector Head	vikram.v@icraindia.com	040 – 4547 4829
Vinayak R	Senior Analyst	r.vinayak@icraindia.com	040 – 4547 4829
Dhruv Consul	Senior Analyst	dhruv.consul@icraindia.com	022 – 6169 3326
Mahesh Patil	Senior Analyst	mahesh.patil@icraindia.com	022 – 6169 3371

















ICRA Business Development/Media Contact Details

Name	Designation	Email	Contact Number
L Shivakumar	Chief Business Officer	shivakumar@icraindia.com	022-61693304
Neha Agarwal	Head – Research Sales	neha.agarwal@icraindia.com	022-61693377
Rohit Gupta	Head Business Development - Infrastructure Sector	rohitg@icraindia.com	0124-4545340
Vivek Bhalla	Head Business Development - Financial Sector	vivek.bhalla@icraindia.com	022-61693372
Vipin Saboo	Head Business Development – Corporate Sector - West & East	vipin.saboo@icraindia.com	022-61693348
Shivam Bhatia	Head Business Development – Corporate Sector - North & South	shivam.bhatia@icraindia.com	0124-4545803
Naznin Prodhani	Head – Media & Communications	communications@icraindia.com	0124-4545860



















© Copyright, 2023 ICRA Limited. All Rights Reserved.

All information contained herein has been obtained by ICRA from sources believed by it to be accurate and reliable. Although reasonable care has been taken to ensure that the information herein is true, such information is provided 'as is' without any warranty of any kind, and ICRA in particular, makes no representation or warranty, express or implied, as to the accuracy, timeliness or completeness of any such information. Also, ICRA or any of its group companies, while publishing or otherwise disseminating other reports may have presented data, analyses and/or opinions that may be inconsistent with the data, analyses and/or opinions in this publication. All information contained herein must be construed solely as statements of opinion, and ICRA shall not be liable for any losses incurred by users from any use of this publication or its contents.



Thank You!

