

India Meets All-Time Highest Peak Power Demand of ~256 GW Without Shortage

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India has successfully met its **all-time highest peak electricity demand of 256.1 GW** on 25th April 2026 at 15:38hrs without any shortage, while simultaneously maintaining electricity exports to neighbouring countries.

This milestone surpasses the previous all-time high of 250 GW recorded on 30th May 2024 and exceeds the peak of 245.4 GW observed on 09th January 2026 during the last financial year.

The rise in demand is in line with the progression of summer conditions across the country, with electricity consumption witnessing a significant growth of **8.9% during the month of April 2026** (01st to 27th Apr) over the corresponding period last year.

The achievement has been supported by record capacity addition of around **65 GW during FY 2025–26**, strengthening the overall generation portfolio and enhancing system preparedness to handle high demand conditions. With this we can successfully meet the expected demand of around 270 GW this year.

The demand was met through advance resource adequacy planning, optimal scheduling and dispatch of available generation resources, and close real-time coordination among NLDC, RLDCs, SLDCs, and generating stations, supported by efficient utilization of transmission corridors.

At the time of peak demand, the requirement was met through a diverse portfolio of generation sources, including thermal, hydro, nuclear, and renewable energy, ensuring reliability and grid stability. Renewable energy, particularly solar, made a significant contribution, complemented by hydro and other flexible resources during peak conditions.

Grid frequency and Source-wise contribution at Peak Demand Met

Time	15:38	
All India Peak Demand Met	256117 MW	
Grid Frequency	50.00 Hz	
Source	MW (ex-bus)	% (of Total Gen)
Gas	5205	2.0%
Hydro	11422	4.4%

Nuclear	6293	2.4%
Thermal	174565	66.9%
Wind	4897	1.9%
Solar	56204	21.5%
Storage (PSP & BESS)	201	0.1%
Others	2110	0.8%

NR/MD

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