



COOPERATION

U.S., India recommit to new nuclear plans

Indian Prime Minister Narendra Modi met with President Trump in February and agreed to a new initiative to drive “transformative change across key pillars of cooperation” between the two countries.

The U.S.-India COMPACT (Catalyzing Opportunities for Military Partnership, Accelerated Commerce & Technology) for the 21st Century initiative includes nuclear, and the two leaders announced plans to build U.S.-designed nuclear reactors in India, according to a joint statement released by the White House. To help facilitate the joint work, Indian lawmakers are considering amendments to India’s Atomic Energy Act of 1962, which bars private investments in India’s nuclear power plants.

India plans to increase its nuclear power capacity by 30 GW over the next 20 years—triple the amount that state-run NTPC (formerly National Thermal Power Corporation) previously announced. The projects are expected to cost \$62 billion.

NTPC is seeking land for its ambitious nuclear plans, but local resistance is expected. The company is in the process of seeking early approvals for land in eight states, Reuters added, and is in talks with small modular reactor developers, including American-based companies.

India’s 22 operating reactors have the capacity to generate 6,780 MWe, according to India’s Atomic Energy Regulatory Board. In February 2024, Kakrapar Unit 4 became India’s newest nuclear power plant to become

operational. It connected to the grid on the heels of the Kakrapar-3, which entered commercial operation in June 2023.

Modi and Trump committed to leaning into the 123 Agreement for peaceful nuclear cooperation the nations signed in 2008. As the United States and India are both

top producers and consumers in driving the global energy landscape, Trump and Modi recommitted to the U.S.-India Energy Security Partnership, including in oil, gas, and civil nuclear energy. ☒



Strategic Support for Extended Power Uprates and Plant Restarts

EPU and plant restarts are more than just an opportunity to increase your generation capacity; they are an opportunity to increase reliability, availability, and operational efficiency. Hydro partners with utilities to optimize their pump systems and apply technological upgrades that reduce total lifecycle costs.

As an unbiased resource with over 40 years of proven expertise in the nuclear industry, Hydro is uniquely positioned to deliver a single source of total support – from application and design through installation and ongoing operation.

- System analysis and optimization
- Design review and upgrade recommendations
- Drop-in replacement pumps with custom hydraulics
- Certified performance testing
- On-site field supervision and turnkey services
- Field testing and troubleshooting
- Wireless condition monitoring
- Maintenance procedure review and upgrade
- 3D, digital installation & operation manuals
- Classroom and hands-on training



800.223.7867 | hydroinc.com

