

New nuclear site at Jaitapur, Maharashtra

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In news—The Union Minister of State (Independent Charge) Science & Technology said that the Government has accorded 'In-Principle' approval of the nuclear site at Jaitapur in Maharashtra.

About the nuclear site-

- **Six** European Pressurized Reactors **of 1650 MW each** will be set up in technical **cooperation of Framatome (former **Areva**) of France.**
- Once built, it **would be the largest nuclear power generating site in the world** with a total capacity of 9900 MW.
- In 2010, French state-controlled nuclear engineering firm Areva S.A. and Indian state-owned nuclear operator Nuclear Power Corporation of India signed the agreement regarding this site.

Power station	State	Operator	Units	Total capacity (MW)
Kaiga	Karnataka	NPCIL	220 x 3	660
Kalpakkam	Tamil Nadu	NPCIL	220 x 2	440
Kakrapar	Gujarat	NPCIL	220 x 2	440
Rawatbhata	Rajasthan	NPCIL	100 x 1 200 x 1 220 x 4	1180
Tarapur	Maharashtra	NPCIL	160 x 2 540 x 2	1400
Narora	Uttar Pradesh	NPCIL	220 x 2	440
Total			19	4560



- The **present installed nuclear power capacity in the country is 6780 MW.**
- The share of nuclear power in the total electricity generation in the country is about **3.1%** in the year 2020-21.
- In this context, the **present nuclear power capacity of 6780 MW is planned to be increased to 22480 MW by 2031** on progressive completion of projects under construction and accorded sanction.