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ऑफ इंडिया लिमिटेड**
(भारत सरकार का उद्यम)
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PRESS RELEASE

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Successful Completion of Hot Conditioning of RAPP-7

The Unit-7 of Rajasthan Atomic Power Project 7&8 (RAPP 7&8), the 3rd reactor in the indigenous 700 MW series, achieved a major milestone of successful completion of Hot Conditioning of the Primary Heat Transport (PHT) system on November 30, 2023. Hot conditioning is a commissioning process to develop an adherent protective layer of magnetite in inner surfaces of carbon steel piping of the PHT system. Hot conditioning was achieved by circulating light water of controlled chemistry through the PHT system, maintaining a temperature around 256 °C and pressure of about 100 kg/cm².

It is a prelude to further commissioning activities like Initial Fuel Loading (IFL), First Approach to Criticality (FAC) and eventual start of electricity generation.

RAPP-7 is the first unit of the RAPP 7&8 (2X700 MW) project under construction at Rawatbhata, Rajasthan. Its twin unit, RAPP-8 is at an advanced stage of construction. Presently, six units with a total capacity of 1180 MW are in operation at Rawatbhata site. On progressive completion of these units, the installed capacity of the site will increase to 2580 MW.

RAPP-7&8 is a part of the large nuclear capacity expansion programme being implemented to enhance the nuclear capacity to 22480 MW by 2031-32 from 7480 MW at present.