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(भारत सरकार का उद्यम)  
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अधिशासी निदेशक (सीपी एवं सीसी)  
एवं अपीलीय प्राधिकारी

B.V.S. Sekhar  
Outstanding Scientist  
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& Appellate Authority

### Press Release

July 29, 2024

### **RAPS-3 comes back online after Renovation & Modernisation**

Unit-3 of Rajasthan Atomic Power Station (RAPS 3 - 220 MW) was connected to the grid on July 24, 2024 after successfully undergoing major Renovation and Modernisation (R&M) with enhanced safety and extended life of about 30 years. The unit underwent Enmasse Coolant Channel Replacement (EMCCR), Enmasse Feeder Replacement (EMFR) and other upgrades during the R&M.

These activities are carried out in the core of the Pressurised Heavy Water Reactors, remotely using precision technologies developed indigenously. NPCIL has over the years attained maturity in carrying out in-core jobs using sophisticated remotely operated tools. The entire job was carried out with utmost safety, with no undue exposure of personnel.

RAPS-3 had commenced commercial operation in June 2000 and had completed over 22 years of operation when it was taken up for R&M on October 27, 2022. The R&M activities in this unit were completed in the shortest time among Indian reactors where similar activities were taken up.

The jobs were completed within budget despite increase in prices of certain key components after start of the project. The cost incurred in R&M of this unit (on per MW basis) is much lower than that incurred internationally in PHWRs. India thus has an edge globally in carrying out such in-core jobs safely and precisely at a very competitive cost and can potentially export these services.

*B.V.S. Sekhar*  
29/7/24  
(B.V.S. Sekhar)