

### **AERB Regulatory oversight for EMCCR & EMFR and return to service of RAPS-3**

RAPS-3 was shut down since October 27, 2022 for En-masse coolant channel replacement (EMCCR) and En-masse feeder replacement (EMFR) campaign. During these activities, AERB ensured continuous regulatory oversight through resident Site Observer Teams (SOTs), increased regulatory inspections by teams from headquarters and safety reviews. Radiation exposure of personnel was optimized following special radiological precautions. The shutdown of the unit was utilized as an opportunity to implement safety upgrades and conduct in-service inspections of components. After completion of the campaign, licensee submitted applications for fuel loading, approach to criticality, low-power physics measurements and power raise of RAPS-3. After detailed review, AERB issued stage-wise permissions for these activities, ensuring safe return to service of the reactor according to the established safety protocols.