

## Report on Major Achievements, Significant Developments and Important events for The Month of July-2018

Following are the details of major achievements, significant developments and important events in the month of July-2018 at Kakrapar Gujarat Site:

### **1 Fifth-Pour of Unit-4 Inner Containment Dome Concreting Completed in KAPP-3&4:**

The inner containment dome is to be casted in 8 pours with specified inter-pour gap. Fifth pour of Inner containment (IC) dome concreting of RB-4 completed on July 26, 2018. This concreting is being done with pumping of concrete (N45/20, 190 C, 40% fly ash content) @ 20 m<sup>3</sup>/hrs. Two concrete pumps of 90 m<sup>3</sup>/hrs capacities with two placer booms were in operation and two similar pumps were kept as back-up for enabling uninterrupted concrete pouring job.



### **2 Secondary Cycle SG Blow Down System Circuit 1B Hydro Test Completed in Unit-3 of KAPP-3&4:**

Hydro test of the second circuit of Secondary Cycle System was completed on 20/07/18. This circuit includes SG to SG Blow Down Isolation valve at 'F' Grid PCB. This is a major step towards completion of PHT hydro test.

The 416 inch dia welding of the circuit was completed to make the circuit ready for the test. Prior to commencement of hydro test, the entire circuit was physically verified. After completing all the prerequisites, hydro test was carried out at 72 Kgf/cm<sup>2</sup> for the circuit and the pressure was maintained for 10 minutes.

After this the system was depressurized to 57 Kgf/cm<sup>2</sup> and was held for 1 hrs duration for observations before declaring the hydro test of SGBD-1B successful. With this, hydro test of two circuits of secondary cycle system have been completed.

### 3 Second-Pour of Unit-3 Outer Containment Dome Concreting Completed in KAPP-3&4:

The outer containment dome is to be casted in 6 pours with specified inter-pour gap. First pour of outer containment (OC) dome concreting was completed on July 19, 2018 and that of Second pour was completed on July 26, 2018. Around 800 T of reinforcement is completed till now. This concreting is being done using 2 static boom placers with tower crane (crane bucket) as standby. Concreting of OC dome is schedule to be completed in August, 2018.



### 4 Achievements in KAPP-3&4 Commissioning Activities:

Following is the list of important commissioning activities completed in KAPP-3&4:

- a) Assembly & Erection of PCP-1&3 completed. PCP-2 assembly is in progress.
- b) Pre-commissioning checks of 21 nos. of PHT system AVs & CVs completed. 10 nos. of ECCS system AVs air operation was checked.
- c) Open loop flushing of ESCS circuit-11 and APW system circuit-9 was done with fire water. Preparatory work for ESCS circuit -2 & 11, common Flushing with DM water is in progress.
- d) No load test of Calandria Vault Cooling System (CVCS) Pump 3-3416-PM-3 was carried out.
- e) In FWPH, Fire Water Diesel driven 7140-P-5 load test run for 72 hrs completed.
- f) Unit # 4 SREH, Class-IV 415V PMCC 4-5253-D-35, commissioning completed.
- g) Class-IV 415V MCC-M406 commissioning completed. Charging of CL- IV 415 V MCC-M404 & M406 was done.
- h) EMTR commissioning from PMCC D-36 to 38, MCC-301 to 304 to EMTR panel cable continuity checks completed.
- i) MCR Operator Console OC-4 and OC-6 charging and LAN communication completed.

- j) No load test run of motors of Auxiliary Boiler Feed Pump (ABFP) 3-4321-PM-1001 & PM-1002, Fuel Transfer Oil hydraulic Pumps 3-35216-PM-7 and PM-8 and Chemical lab AHU 4-7344-AHU-2010 completed.
- k) SRPH exhaust fans 7330-F-10, 11, 12, 13 & 14 load tests were done.
- l) Consent to Establish (CTE) was obtained from Gujarat Pollution Control Board (GPCB).

अरुण खंडेलवाल  
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(अरुण खंडेलवाल Arun Khandelwal)

अपर मुख्य अभियंता ACE (E&US)