

Report on Major Achievements, Significant Developments and Important events for The Month of [June-2018](#)

Following are the details of major achievements, significant developments and important events in the month of [June-2018](#) at Kakrapar Gujarat Site:

1. Third Pour of Concreting of Inner Containment Dome Completed in Unit-4 of KAPP-3&4:

Third pour of Inner containment (IC) dome concreting of RB-4 completed on June 23, 2018. This concreting is being done with pumping of concrete (N45/20, 190 C, 40% fly ash content) @ 20 m³/hrs. Two concrete pumps of 90 m³/hrs capacities with two placer booms were in operation and two similar pumps were kept as back-up for enabling uninterrupted concrete pouring job.

The inner containment dome is to be casted in 8 pours with specified inter-pour gap.



2. Hydro Test of First Circuit of Secondary Cycle SG Blow Down System Completed in Unit-3 of KAPP-3&4:

Secondary Cycle SG Blow Down System first Circuit hydro test completed on 21/06/18 which is major step towards completion of PHT hydro test. This circuit includes SG to SG Blow Down Isolation valve at 'F' Grid PCB.

The 447 inch dia 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 Kg/cm² for both the circuit and the pressure was maintained for 10 minutes.

After this the system was depressurized to 57 Kgf/cm² and was held for 1 hour duration for observations. With this, hydro test of SG Blow Down System first Circuit i.e. SGBD-1A was declared successful.

3. Hydro Test of APW System Circuit- 9 & 1A Completed in Unit-3 of KAPP-3&4:

Hydro test of APW Circuit-1A and circuit 9 that is South Loop RAB APW pump discharge line, was completed successfully. The hydro test of circuit-1A was completed in the first week of June and that of circuit-9 was completed on 27/06/2018.

The 5377 inch dia of the circuit-9 is completed to make the circuit ready for the test. Subsequent to physical completion of the piping job, Circuit Release Report (CRR) was verified by Quality Assurance Group, User Group and Field Engineering Group before finalization.

After completing all the prerequisites, Hydro test was carried out at 12.5 Kgf/cm² for both the circuits and the pressure was maintained for 10 minutes. After this the system was depressurized to 10 Kgf/cm² and was held for 1 hour duration for observations. With this, hydro test of APW circuit-1A & 9 was declared successful.

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

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

- a) PHT circuit no. 02 (FM supply pumps suction lines) & 03 (FM supply pumps recirculation line) flushing was done. PHT circuit no. 04 (FM supply pumps discharge lines) flushing is in progress.
- b) PHT Service System 3372-TK-2 flushing and calibration was done.
- c) Total 398 drums of fresh D₂O (91,169 Kg) were added to Moderator D₂O Storage Tank 32000-TK-2.
- d) Bleed Condenser (BCD) Relief Tank and its associated lines inspection, flushing and drying completed.
- e) Primary Circulating Pump (PCP) 33110-P-3 assembly completed.
- f) Motor No load test of End Shield Pump 3-3411-P-3 completed.
- g) Load test of 72 hours of Simulator building chillers completed.
- h) Main Condensate Storage Tank (MCST)-1 fill test completed.
- i) DM Water Storage Tank (DMST), 71600-TK-2 was made available for storing Fresh DM Water.
- j) Diesel Generator-1, 3 & 4 Day Oil Tanks-5, 7 & 8 High Velocity Water Spray (HVWS) circuit flushing completed.
- k) Commissioning of 125 Ton Main EOT crane of TB-4 is in progress.
- l) 415 V PMCC-D47 commissioning completed and 415 V MCC-M406 commissioning is in progress.

5. Construction of Assembly Hall at Primary School, Navi Vasahat, Bedkuvadur under CSR Programme:

NPCIL- Kakrapar Gujarat Site under Corporate Social Responsibility Project has constructed an Assembly Hall and Mid-day Meal Shed at Navi Vashast Primary School, Bedkuvadur. These were inauguration and handed over to the School Authorities on 15/06/2018 by t Shri U C Muktibodh, Director (Technical) in presence of Site Director Kakrapar Gujarat Shri MP Hansora, Station Director KAPP-3&4 Shri M Venkatachalam, Station Director KAPS-1&2 Shri VK Sharma, Project Director, KAPP-3&4 Shri Ranjay Sharan, Chairman. Shri Rajendrabhai Gamit, Sarpanch and Smt Hinalben Chaudhari, Principal of Navi Vashast Primary School, Bedkuvadur along with other dignitaries and large number of villagers were also present in the programme. The inaugurated Assembly Hall Building will be known as “Anumathak Sanskrutik Bhavan” as the KAPS in this region recognized as “Anumathak.”

An amount of Rs. 32,72,812/- was sanctioned by the Competent Authority of NPCIL for Construction of Assembly Hall & maintenance work of existing school building at the school for the benefit of students.



6. MOUs Signed with Gram Panchayat, Nanicher for Development of Drinking Water Facility and Internal Village Roads under CSR Programme:

NPCIL- Kakrapar Gujarat Site has signed two Memorandum of Understanding with Gram Panchayat, Nanicher dated 23/06/2018 at Site Director Office, Kakrapar Gujarat Site in the presence of Shri MP Hansora, Site Director, K Guj Site and Shri V Ramesh Kumar, AD (QA), KAPP-3&4 for development of drinking water facility at six different failyas in the Nanicher village and constructing of cement concrete internal village roads about 544 meters in 10 different stretches in Nanicher Village under Corporate Social Responsibility projects.



NPCIL has sanctioned Rs. 27,92,732/- for development of drinking water facility and Rs. 20,06,531/- for the construction of internal village roads. The work will be executed by Gram Panchayat, Nanicher.

7. MOU Signed with Irrigation Davison, Vyara to develop a Pond at Umarkuva under CSR Programme:

NPCIL- Kakrapar Gujarat Site has signed a Memorandum of Understanding with Irrigation Division Vyara, Tapi dated 18/06/2018 at Irrigation Division Office, Vyara, Tapi for development of Pond at Umarkuva under Corporate Social Responsibility projects of NPCIL- Kakrapar Gujarat Site. The Chairman, CSR, officials of Irrigation Division Vyara, Tapi, Sarpanch of Umarkuva and members of Gram Panchayat of Umarkuva were present on this occasion.

An amount of `9,95,400/- (Rupees nine lakh ninety five thousand four hundred only) has been approved by the Competent Authority of NPCIL (Project Code: KPSS/INF/2015-16/2507) for development of Pond at Umarkuva for the benefit of Umarkuva Village and society at large. The execution of work will be carried out by Irrigation Division Vyara, Tapi.



अरुण खंडेलवाल
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(अरुण खंडेलवाल Arun Khandelwal)
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