

Major Achievements of Apr-2018 at KAPP 3&4

- **First Heavy Water addition to Moderator Storage Tank in KAPP-3**

After successful commissioning of Moderator Storage Tank (3-3200-TK-2) and D₂O addition station in RAB at 94 mEI, fresh heavy water addition was carried out on 21.04.2018 by transferring heavy water from D₂O drum to the tank with instrument air in the Kakrapar atomic power project, Unit-3 with ensuring adequate safety & security measures.

D₂O storage tank (3-3200-TK-2) is made of carbon steel with inside & outside surface painted with epoxy paint. The capacity of the tank is 160 Te.

The first heavy water drum addition to 3-3200-TK-2 is a significant activity for further smooth transfer of D₂O to Main Moderator System later.



D₂O addition area in KAPP-3



CISF Security provided near Moderator Storage tank (3-3200-TK-2)

- **KAPP#3 ECCS Circuit no. 2, 5 and 7 testing completed.**

ECCS is divided into 13 circuits to complete the PHT hydro test requirement. Out of these 13 circuits, circuit no 2, 5 and 7 water fill test is completed in April-18. Circuit no 2 is distributed from LOCA Line-North FM Service to sump, Circuit no. 5 is LOCA Line-South FM Service to sump and Circuit 7 is LOCA Line-South FM Service (FM head pit) to sump. For these circuits, water fill test is done in which water is filled from top and held using a cap in the bottom of line. Joints are checked for leak and no leak is found. With this, testing of these three circuits is declared successful. Hydro test of 9A, 9B, 10A, 10B, 1, 3, 4, 6 and 8 has already been completed; with this **Total 8/13 circuits of ECCS system hydro test is completed.**