

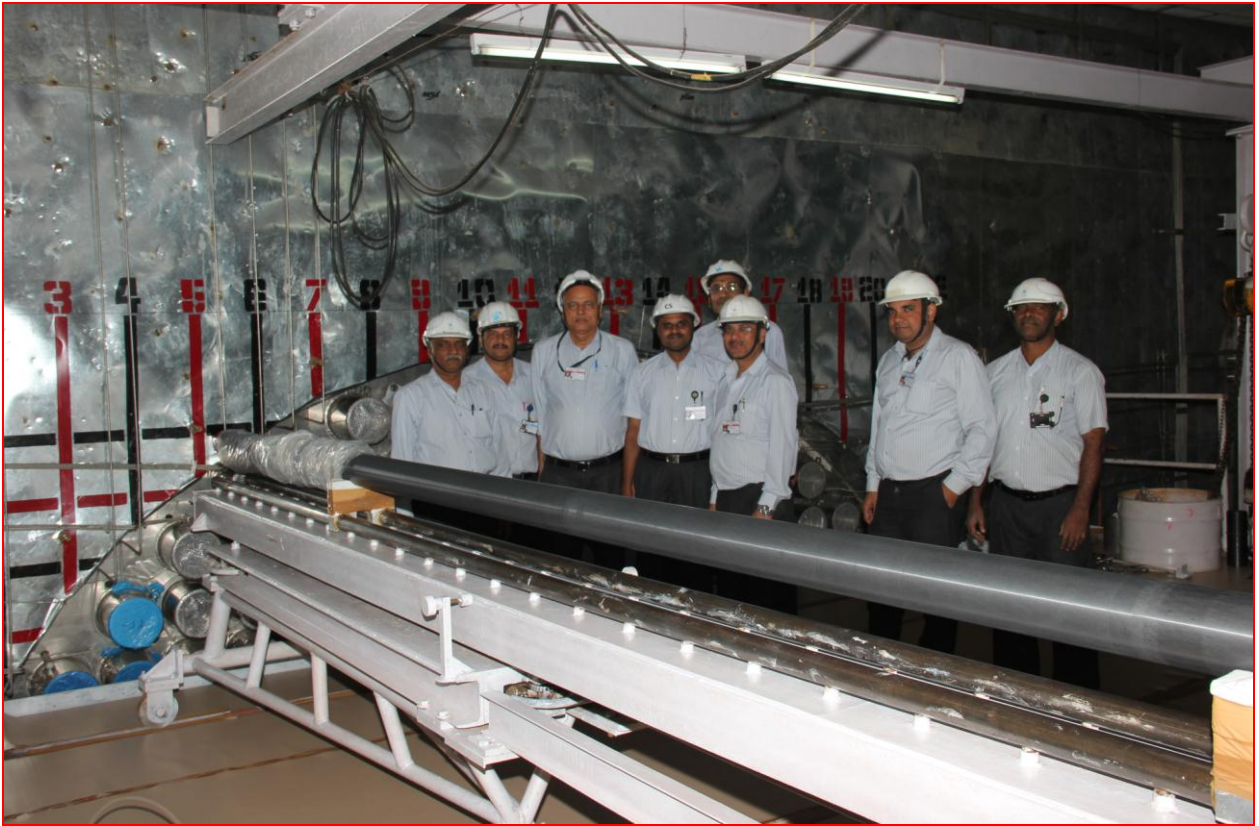
## **KAPP-4 Coolant channel installation commenced** **from 28/12/17**

In 700MWe Indian PHWR there are 392 coolant channels. The coolant channel installation activity consists of Pre-assembly of end fittings (Shrink fitting of CS ring, Liner tube rolling, and Split sleeve installation with Journal ring and Retainer rings), Coolant tube trimming to the required dimension, Shrink fitting & rolling of one end of the Pressure Tube (PT) with End Fitting (EF) outside RB, Installation of the one end rolled EF-PT assembly from south side, Shrink fitting & rolling of second end of PT with EF from north side, Bellow lip welding, Air hold test of individual coolant channel assembly and Installation of positioning assembly.

At present, Pre-assembly of end fittings of KAPP-4 has already been completed and Coolant Tube trimming is also under progress (100 tubes already trimmed). Shrink fitting and rolling of one end of the PT with End fitting outside RB has been established and one end rolling of Coolant Tube is under progress.

With all the pre-requisites the coolant channel rolling activity of KAPP-4 has commenced from 28<sup>th</sup> December 2017.

As this is a critical activity of Reactor core, the installation requirements are very stringent. To fulfill and achieve the intended installation requirements and stipulations of AERB, Procedures have been prepared and reviewed by all the concerned agencies at site as well as at HQ. To ensure the effective implementation of procedures, Hold point, checklist, route card etc. a **three stage** inspection check of every activity will be implemented and each activity will be documented immediately after its completion. Also, all the safety procedure/requirements will be taken care strictly.



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