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ANALYSIS OF CYCLE TIME REDUCTION DURING SHROUD HYDRO TEST OF BOILER DRUM OF 500/600MW

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ABSTRACT

Boilers in the power plants and process plants have large drums to house the steam – water mixture, to hold large quantity of water required for steam generation and ensure steam quality. Drums weight anywhere 100 to250 tons with very high thickness depending on the MW rating. Manufacturing of drums need special machines and process. The total cycle time of the drum vary from 100 days to 134 days according the capacity. In the process mapping of drum manufacturing shroud hydro test is a part of cycle taking around 4 – 6 days as of now in 500/600 MW.

Delays in Power Plant Boiler are caused mostly because of leakage during shroud hydro test. By detailed studying the operation involved in carrying out the shroud hydro test and the issues which are causing the leakages during hydro test, an attempt has been made to reduce the cycle time of shroud hydro test.

KEYWORDS: *Time Reduction, Leakages, Shroud Hydro Test*

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