

A textile plant in North India

The textile manufacturer produced 125,000 meters of fabric per day and was facing significant steam losses due to contaminated condensate drainage from the dyeing section and a low feed water temperature of less than 60°C. The frequent mixing of cooling water with condensate led to increased fuel consumption, and process steam wastage.

Forbes Marshall conducted a detailed plant survey to assess steam system losses and identify potential savings. The implementation of the Forbes Marshall Jet Heat Optimisation Module (JetHOM) in the jet dyeing machine helped eliminate steam loss, efficiently separate condensate from cooling water, and enhance condensate recovery. As a result, the plant achieved a 3,000 kg/hr condensate recovery, a 15°C increase in feed water temperature, and 3-4% annual fuel savings, significantly improving energy efficiency and process sustainability.

Benefits Delivered

Condensate Recovered

> 3000 Kg/hr

Fuel Saved

3-4% per annum

