CASE STUDY

A Sugar Factory in Latin America

Problem

- Frequent load fluctuation in new boiler
- Frequent turbine trips
- Loss of steam due to regular popping of the safety valve

Objective

To avert frequent tripping of turbine and popping of safety valve.

Solution

The Forbes Marshall team carried out a detailed survey of the entire plant. Based on this survey, the steam network was optimized.

Isolation valves were installed to arrest steam leakages.

Steam pressure reducing and desuperheating stations with proper feedback mechanism were installed to optimize and regulate steam consumption.

Benefits

Frequent boiler load fluctuation was eliminated and smooth operation of the turbine was achieved.