

A. K. ASSOCIATES



Customer details

- Customer Name – Tata Consultancy Services
- Chiller Make – York - JCI
- Total chillers – 3 chillers
- Total cooling capacity – 3750 TR

Solutions provided

- Innovative water treatment program-
 - THE WHIRLER
 - Magtreat
 - Copper ion generator
 - Cooling tower chemical treatment
- Chillers covered – 3 chillers
- Installation date – April 2017

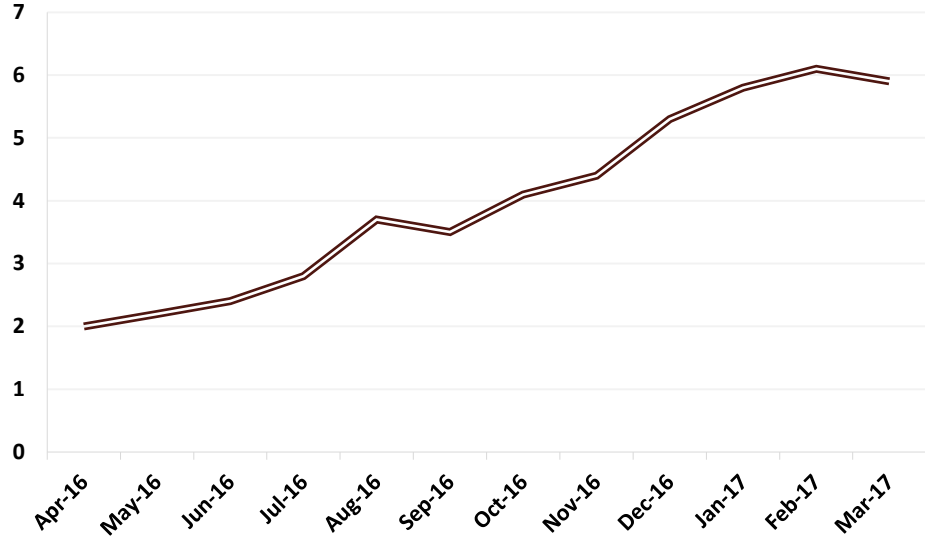
Scenario before installation

- Condenser approach was around 5-6 °C for all chillers
- Descaling frequency was 8-10 months.
- STP treated water was in use for cooling towers.
- The recurrent problem of micro-fouling and scaling in condenser tubes.

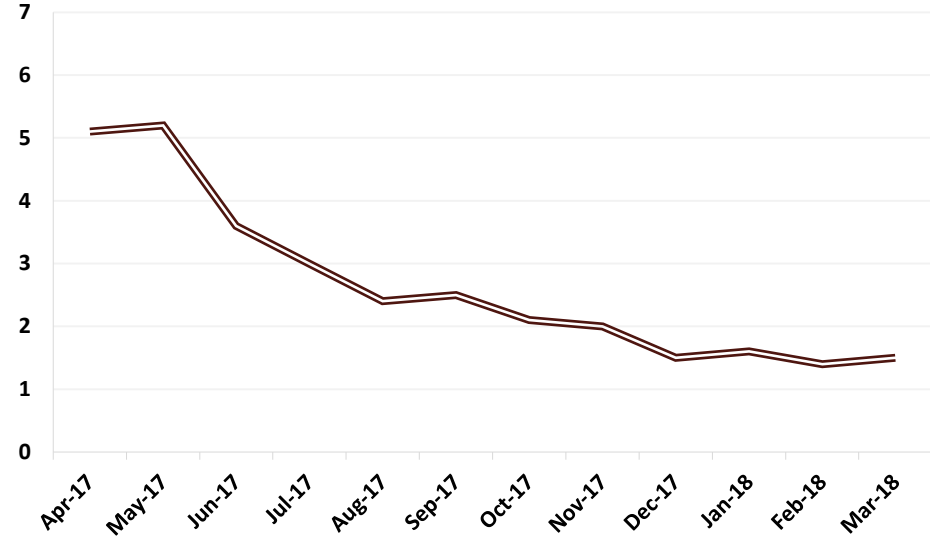
Scenario before installation

- Condenser approach is maintained below 1.5 °C for all chillers.
- Though STP treated water is in use still there is no issues of micro-fouling and scaling in condenser tubes.
- 680400 kW energy saved in just one year.
- Energy saved of Rs. 81,00,000 n just a year.
- ROI achieved within one year.

Condenser approach trend



Condenser approach (°C) before installation



Condenser approach (°C) after installation