

A. K. ASSOCIATES



Customer details

- Customer Name – Inorbit mall
- Chiller Make – Trane
- Total chillers – 3 chillers
- Total cooling capacity – 1300 TR

Solutions provided

- Innovative water treatment program-
 - THE WHIRLER
 - Magtreat
 - Copper ion generator
 - Cooling tower chemical treatment
- Chillers covered – 3 chillers
- Installation date – December 2013

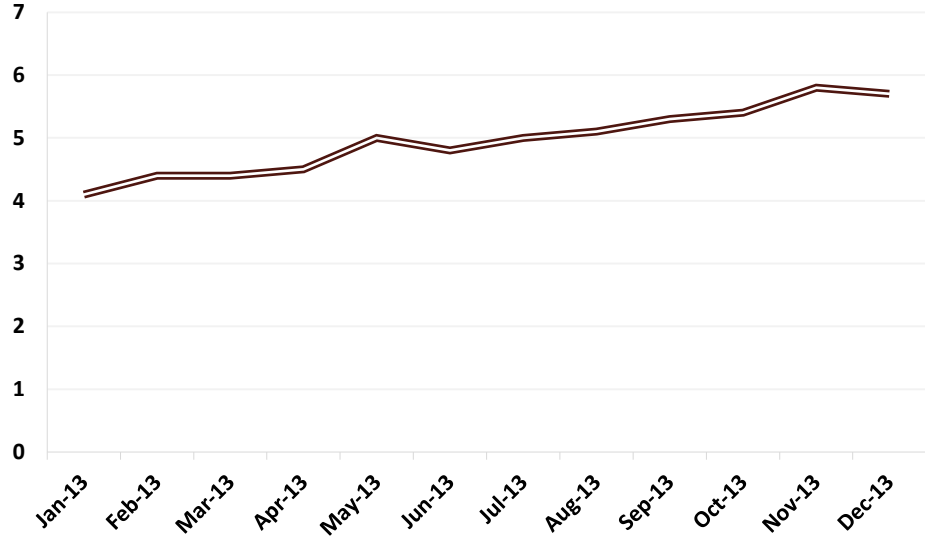
Scenario before installation

- Condenser approach was around 6⁰C for 800 TR Trane chiller.
- Descaling frequency was once in a year.
- STP treated water was in use for cooling towers.
- The recurrent problem of micro-fouling and scaling in condenser tubes.

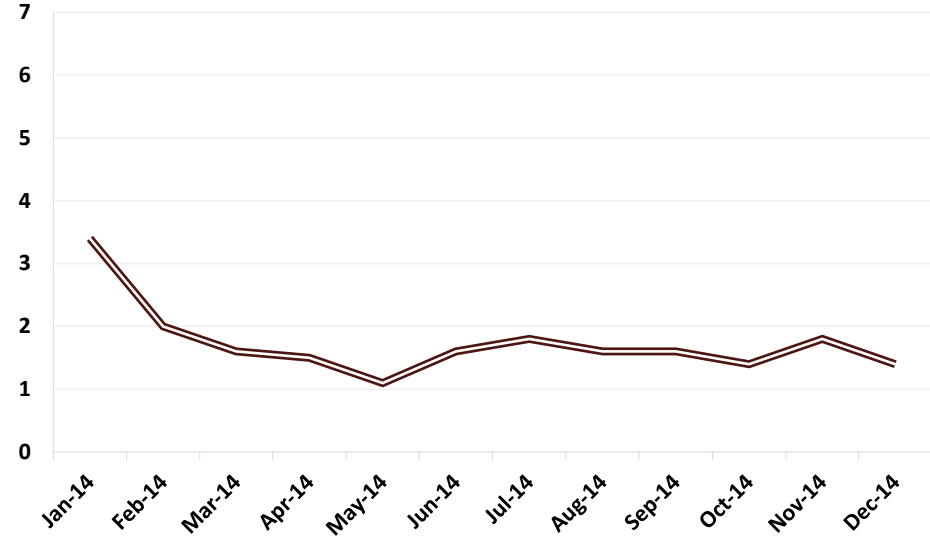
Scenario before installation

- Condenser approach is maintained below 2⁰C for 800 TR Trane chiller.
- Though STP treated water is in use still there is no issues of micro-fouling and scaling in condenser tubes.
- 168192 kW energy saved in just one year. I.e. Saved more than Rs. 23,50,000 in a year.
- ROI achieved within one year.

Condenser approach trend



Condenser approach (°C) before installation



Condenser approach (°C) after installation