

A. K. ASSOCIATES



Customer details

- Customer Name – Hiranandani hospital, Mumbai
- Chiller Make – Ciat / Carrier
- Total chillers – 4 chillers
- Total cooling capacity – 600 TR

Solutions provided

- Innovative water treatment program-
 - THE WHIRLER
 - Magtreat
 - Copper ion generator
 - Cooling tower chemical treatment
- Chillers covered – 4 chillers
- Installation date – November 2015

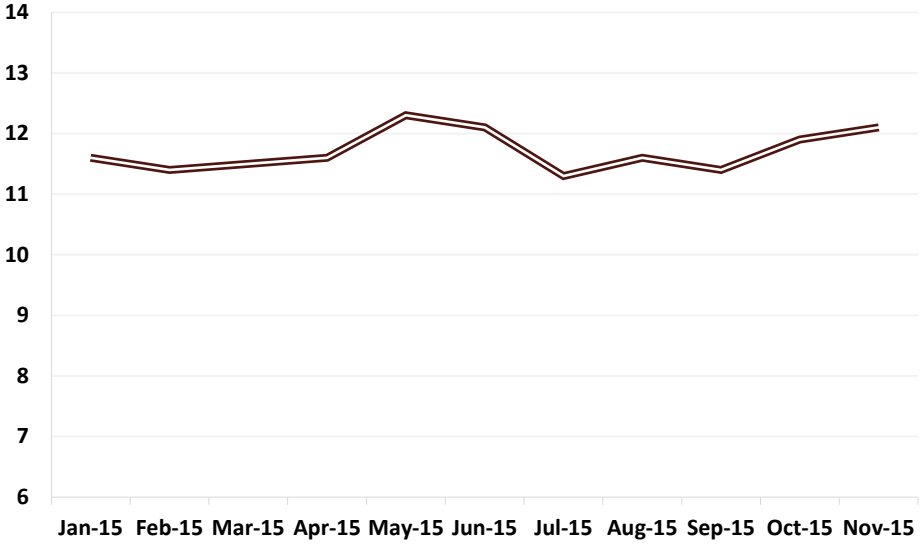
Scenario before installation

- Discharge pressure was around 12 bar for all chillers.
- Descaling frequency was 2 times in a year.
- STP treated water was in use for cooling towers.
- After descaling, sudden rise in discharge pressure was observed.
- Regular issue of problem of suspended particles and scaling in condenser tubes.

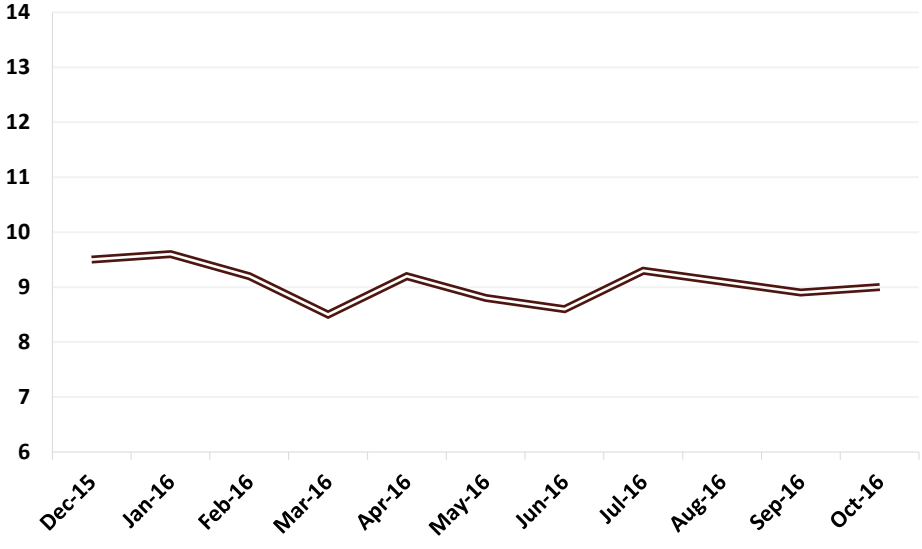
Scenario before installation

- Discharge pressure is maintained below 10 bar for all chillers.
- Though STP treated water is in use still there is no issues of suspended particles and scaling in condenser tubes.
- 75,600 kW energy saved in just one year. I.e. more than Rs. 9,70,000.
- ROI achieved within two years.

Discharge pressure trend



Discharge pressure (Bar) before installation



Discharge pressure (Bar) after installation