

**A. K. ASSOCIATES**



# Customer details

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- Customer Name – UPL
- Chiller Make – York / Daikin
- Total chillers – 4 chillers
- Total cooling capacity – 1220 TR

# Solutions provided

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- Product – THE WHIRLER online condenser cleaning system
- Chillers covered – 4 chillers
- Installation date – Dec 2015

# Scenario before installation

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- Condenser approach was around 4-5 °C for all chillers
- Descaling frequency was once in a month.
- The recurrent problem of micro-fouling and scaling in condenser tubes.

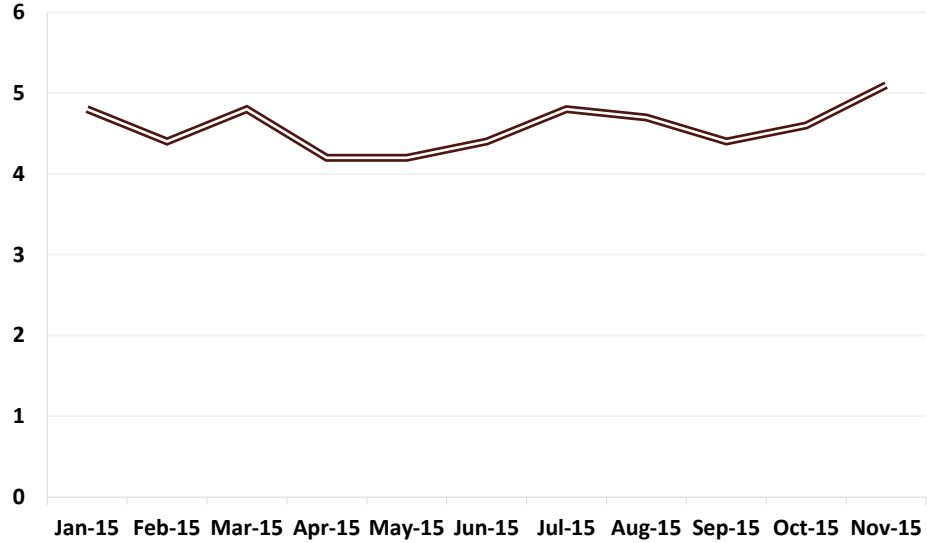
# Scenario before installation

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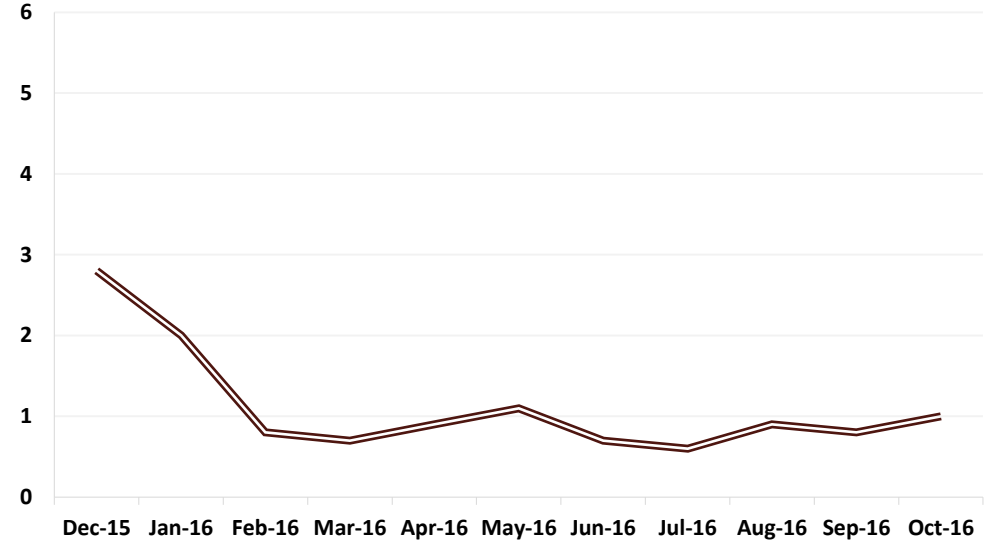
- No condenser descaling since installation.
- Condenser approach is maintained below 1<sup>0</sup>C for all chillers.
- No issue of micro-fouling and scaling in condenser tubes.
- 573888 kW energy saved in just one year.
- Saved more than 50 lacs within a year.
- ROI achieved within one year.
- Received repeat orders for 3 more chillers at different manufacturing units.

# Condenser approach trend

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Condenser approach (°C) before installation



Condenser approach (°C) after installation