

CASE STUDY : “WET” installation at a leading Chemical unit at IDA Mallapur, Hyderabad

Practice followed before WET installation :

Cooling Tower connected to Heat Exchanger.

Salt based softener is not in use. Chemicals are added to circulating water. Blow down is done at regular intervals. Heat Exchanger is opened every 30~40 days for service.

A WET w2 unit was installed 24.08.2023.

Cooling Tower Sump Capacity : approx. 3 KL

WET unit is installed on Cooling Tower with water circulating (connected with a 0.50 HP pump) for 21~22 hrs daily as a new loop.

- Use of softener was discontinued.
- No chemicals were added (except for algae).
- Blow down was restricted.

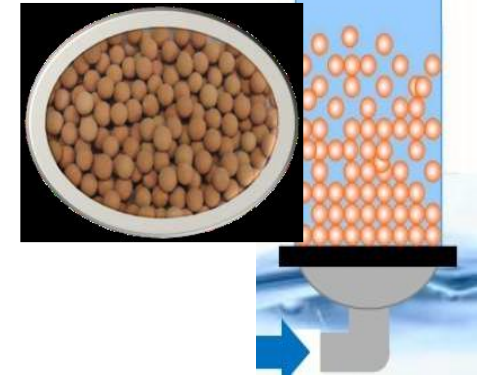
Installation was monitored regularly.

Introducing :

**“WET (Water Enhancement Technology)”
with Ceramic Beads from LTI, Japan**

In Japan since 2004 : Now In India

- **Treats Scaling from :
Calcium, Magnesium,
Silica**
- **Treats Rust and
Corrosion**
- **Helps to Remove
Present Scaling with
Low Cost**



**WET – Revolutionary Technology for Hard
Water Treatment**

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During Trial Period :

- Raw Top up water was used, without any treatment
- No Chemicals were used (except for algae).
- No Blow Down was done.
- The unit was not manned by any staff.



Cooling Tower ↑

Picture of Unit Installed →





The Condensor was opened for cleaning\service on 05.09.2023
(12 days from Installation) →

Scales were soft and easily removable
The soft scales can be removed with
finger also ↓



As on 05.09.2023

Condenser has 1 " tubes.

16 mm Rod used for cleaning
against 12 mm earlier.

The rod easily passed through
the tube to the end and back,
without getting stuck. No
Chemical was used.

There was no risk of tubes
getting punctured.



Galaxy S22 Ultra
5 September 2023 10:36



Galaxy S22 Ultra
5 September 2023 11:11



Subsequently, the tubes were washed with pressure water and cleaned with 1" steel brush.

The condenser unit was not opened after 05.09.2023, upto 04.12.2023.

There was a change in management in Jan'2024. To the best of our knowledge, the new management is yet to start production.

Conclusion :

- **WET has helped to convert older scales to soft scale, which could be easily cleaned.**
- **No fresh scaling \ Corrosion was noticed.**
- **There is considerable in service cost, No production loss etc. with WET.**





WET is available for flow rate ranging from 2 KL\Hr to 215 KL\Hr

Suitable for Industrial Establishments, Commercial Buildings, Residential Communities, Independent Houses, Agriculture and other applications.

Conclusion : WET Treated water helps to treat and remove scaling and corrosion from water.

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Thank
You

