

# Short Term Humidity and Temperature control solutions on RENT for **Power Plants**



TECHNICAL DRYING SERVICES (ASIA) PVT. LTD.

# Dehumidification & Temperature Control Services for Thermal, Hydel, Nuclear and Wind Power

Our dehumidification, drying and temperature control services are used by power plants for preservation of equipment, temperature and humidity control during maintenance, shutdown and project jobs.

## Thermal & Gas Based Power Plants

- ➔ **Pre-cooling** Reduces man-entry time in boiler drum, pent house, economiser bottom ring & deaerator at a rate faster than natural cooling.
- ➔ **Comfortable working condition** during shutdown by providing fresh air at the required temperatures in confined spaces.
- ➔ **Equipment preservation** - turbines, generators, and other electro mechanical equipment are prone to corrosion when they are idle. Dehumidifiers can control humidity at less than 50% or desired levels to control corrosion.
- ➔ **Humidity and Temperature Control** in condenser water box for online tube cleaning during partial shutdown. This increases productivity by reducing

the shutdown period and provides comfortable working conditions.

- ➔ **Corrosion control** during blasting and coating jobs.
- ➔ **Ventilation** in confined spaces.
- ➔ **Acid tank rubber lining** - Adhesives used in rubber lining replacement tend to deteriorate due to high humidity and temperature. This problem can be solved by dehumidification.
- ➔ **During PU Coating** Maintenance and inspection jobs in pipes and CW ducts can be unbearable due to high humidity & temperature. With dehumidification and temperature control working conditions can be improved.

## Hydel Power Plants

- ➔ **Water Damage Restoration services.**
- ➔ **Equipment preservation.**
- ➔ **Concrete/Epoxy/POP drying.**

## Nuclear Power Plants

- ➔ **Storage of critical** spares material and equipment at desired humidity level.
- ➔ **Corrosion control.**

## Wind Power

- ➔ **Humidity control** during wind turbine blade Coating jobs.
- ➔ **Equipment preservation** during project delays.

## Solar energy

- ➔ Dehumidification services are also used at various stages in solar energy
- TDS rental services for humidity and temperature control provides considerable time and cost savings for power plants.

Some of our esteemed clients : **NTPC | NHPC | SJVNL | Alstom | Seimens | Tehri Hydro | Suzlon | Enercon**



## Benefits

- ↑ Comfortable working condition for productivity improvement.
- ↑ Provides proper ventilated environment.
- ↑ Due to controlled RH level, blasting, Cleaning and coating can be carried out 24 hours thereby reducing job completion time.
- ↑ No coating failures due to flash rust and condensation.
- ↑ Tackles seasonal requirement.
- ↑ Blasting & Painting jobs can be done in rainy season as well as during nights.
- ↑ Postpone capital outlay.
- ↑ Fulfills immediate requirement.

## Our other RENTAL services

- ↑ POP/Concrete Drying
- ↑ Pipeline/Equipment Drying after hydro testing
- ↑ Equipment Preservation
- ↑ Services in case of chiller/AC plant Maintenance and Break down
- ↑ Water Damage Restoration
- ↑ Product Drying
- ↑ Ventilation



***We're never too far from you!***

**TDS**™ An ISO 9001 : 2008 Company  
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