

Leading Automobile Industry in India



(Pictures are for representation purpose only)

Customer Profile...

The customer is one of the leading producers of Passenger Cars, catering to requirements of customers in India & across global markets with manufacturing facility based at southern region of India. They have recently expanded their manufacturing facility to 5, 60, 000 cars per annum.

The(rmax) Challenge...

The automobile manufacturer envisaged the need for effective complete water management, which will cater their requirements from intake of raw water until management of waste that is generated. Thermax was awarded this challenging task on Turn-Key basis, covering the complete Mechanical, Electrical, Instrumentation & Civil activities.

The source of water was from nearby lake and the customer wanted to have effective utilization & management of water & waste, in order to minimize the fresh crucial alternate liquid gold intake.

The(rmax) Solution...

Water Treatment System

The purpose of the water treatment plant is to supply water for the complete expansion project of the discussed unit, for both Industrial & Potable applications.

Water Treatment System consists of following main components:

Flash Mixer → Clarifloculator → Dual Media Filter → Activated carbon filter → Drinking water RO → Reject RO for the reject from painting shop

Wastewater Treatment System

The function of the wastewater treatment system is to treat the plant's wastewater generated from water treatment system, painting shop, engine shop, T/M shop, canteen & domestic wastes etc.

Wastewater Treatment System consists of following main components:

Abnormal wastewater treatment system → Bio-treatment system → 1st Reclamation system → 2nd Reclamation system → 3rd Reclamation system → Sludge treatment system → Sewage treatment system → ZLD treatment system & rejects Evaporation system

Plant Capacities...

WTP	:	60 M ³ /Hr
WWTP	:	70 M ³ /Hr
RO permeate	:	136.5 M ³ /Hr
Evaporator	:	15 M ³ /Hr



Complete Water Management...



Agri Products



Auto mobiles



Boiler Feed



Chemicals



Paper Industry



Petro chemical



Poultry



Power Plants



Food & Beverages



Hospitality



Hospitals



Paint Industry



Co mmercial Applications



Cooling Towers



Distillery



Fertilisers



Rubber Industry



Textile Industry



Tobacco Industry



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