



S02

**Strengthen Solutions Businesses****Definition**

Enhance our capabilities to provide long-term utility services

Focus Areas	Highlights
Implement Build-Own-Operate (BOO) Model for Utility Delivery Services	<ul style="list-style-type: none"> • TOESL commissioned eight BOO projects in FY 2024-25, adding 146 TPH of biomass-fired boiler capacity and a 750 KLD ZLD (zero liquid discharge) plant, enhancing sustainable utility infrastructure. • Read more on page 81
Provide Renewable Energy Solutions	<ul style="list-style-type: none"> • Green Steam Projects Read more on page 82 • Bio-CNG Production: TBSPL utilised a diverse range of feedstocks—rice straw, press mud, cow dung, municipal solid waste (MSW), napier grass, and soya stalk to generate nearly 6,200 tonnes per day of bio-CNG. The projects demonstrated both scalability and flexibility in renewable gas production. • Wind-Solar Hybrid Projects Read more on page 83
Offer End-to-End Energy Management for Utilities	<ul style="list-style-type: none"> • Thermax commissioned two energy-saving projects—one involving motor replacements and another installing a closed loop cooling tower (CLCT) in series with a 300 TR chiller, reducing chiller runtime by over 50% and delivering substantial savings. Both projects were executed on an ESCO (Energy Service Company) basis, with shared savings for the customers. • Additionally, two more projects were executed. One was related to the modification of in-bed tubes in two 20 TPH boilers, improving operational reliability for a competitor's boilers, and the second one was the installation of an advanced air preheater (APH) designed to serve two 20 TPH boilers. A high-temperature heat pump (110°C) was also supplied to boost feed water temperature, enhancing overall efficiency.