

What does Thermax do?

Thermax's scope included design, manufacture, transportation, construction and commissioning of boilers and electrostatic precipitators. The units are designed to meet stringent NO_x, SO_x and particulate emission requirements, mandated for such power plants.

What is Thermax APC ESP?

Modernization, renovation, and upgradation of existing systems The flagship product of Thermax APC, ESP is suitable for the precipitation of solid particles and ideal for boilers that have a capacity above 4 tonnage per hour (tph). We provide ESPs of two types:

How many people worked at Thermax?

Total erected weight was approximately 85,000 MT (metric tonnes), and insulation area close to 2,50,000 Sq. m. At its peak, the project had nearly 8000 workmen at the sites. Safety was accorded the highest priority, with Thermax cumulatively logging in 27 million safe man-hours.

How many boilers does Thermax produce?

Put together, the 21 units produce 75 TPH steam at 18 bar (g) which is then fed into the steam turbine, to generate 13 MW of electricity. This is the highest number of boilers supplied by Thermax for a single project so far and was completed in a short span of nine months.

How many CFBC boilers has Thermax installed?

Thermax completed its biggest ever project by successfully commissioning nine 500 TPH circulating fluidized bed combustion (CFBC) boilers and allied emission control systems at Reliance Utilities & Power Pvt. Ltd. in December 2016. Five boilers were installed at Hazira and four at Dahej.

Why should you choose Thermax?

Having a proven track record in EPC, boiler manufacturing and O&M, which was a prerequisite by the customer, Thermax was able to complete the project whose scope comprised a 90 TPH boiler, 19.9 MW steam turbine generator and Balance of Plant systems.

A recent feat in this journey was the commissioning of an Electrostatic Precipitator (ESP) for the Sarangani Energy Corporation in the Philippines - a power producing major in South East Asia. This project is the largest overseas installation by Thermax, where the ESP treats flue gas with volumes as high as 0.7 million Am³ /hr emanating from ...

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Thailand presents a good opportunity for Thermax as an integral part of the company's growth plans in Southeast Asia. Thailand has a large sugar industry and has a healthy demand for heating solutions. The company's boiler and heating business have been involved in supplying 140 units to the sugar industry in the region.

Thermax executed a 100% biomass fired cogeneration plant, deploying a 33 TPH hybrid water tube superheated bi-drum boiler with a reciprocating grate, designed at 67 kg/cm² pressure and 450°C temperature, for the client. The boiler has been designed to run on a mix of biomass briquettes and loose biomass fuels to generate 4 MW power as well as ...

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The electrostatic precipitator functions by charging particulates within a gas stream as the gas flows through the ESP. These negatively charged particulates are attracted to positively charge large flat plates within the ESP, where they gradually accumulate upon the surfaces of the plates. Once a significant number of particulates have accumulated on the plates, a mechanical ...

Thermax would boost usage of the current establishments, bolster structure and ducting parts. Thermax would likewise give condition of-workmanship base rapped ESP plan under specialized License from Balcke Durr, Germany. Client Benefit: 1. The current establishments and structure of BHEL ESP will be completely used. 2.

Thermax offers wide range of spare components to ensure chiller efficiency and sustainability. Contact us to obtain our exceptional and high-quality services. SUSTAINABLE SOLUTIONS IN ENERGY AND ENVIRONMENT Thermax Group is an INR 6,123 Cr. (876 million US\$) company headquartered in Pune, India. Its business portfolio includes products for ...

After much deliberation, Thermax and CCCL jointly decided that the best solution was to design a Bag House System in series with the existing ESP, (ESP - considered as a pre-collector). The system was guaranteed to give 25 mg/nm³ outlet emission with higher plant capacity. The system was converted from 2-fan circuit to 3-fan circuit.

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As part of this commitment, Thermax now offers the state of the art German Technology through its tie up with Balcke-Dürr. Thus, Thermax can access diverse applications of the ESP technology in power generation, ferrous & nonferrous metals, paper & pulp, cement & rock products, refinery & petrochemicals, incineration, glass etc.

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