

Elgi compressors power Siemens gas turbine

Siemens India has recently commissioned its industrial gas turbine for power generation at Maruti Udyog plant in Gurgaon. With a rated capacity of 12.9 MW, the proven gas turbine will yield increased power and enhanced efficiency together with Elgi's air compressors.

Siemens is one of the world's leading supplier of products for the generation, transmission and distribution of power. Siemens has an installed capacity of 3200 MW in India with over 400 industrial steam / gas turbines.

The air compressors are used primarily for control of valves connected in the fuel circuit of gas turbine. Gas turbines utilize a compressor to increase the amount of air that is required to oxidize the fuel that is admitted to the combustor. Increased air means more fuel can be burnt. The resultant hot gases are directed into the turbine section coupled to generator, where they are converted into torque and used for power generation.



Air compressor, being an integral part of gas turbine, should provide constant pressure even at partial loads through modulation control. Elgi's 7 bar air compressors, with a capacity of 267 cfm, guarantees 100% dry air and stable compression & pressure at all levels.

Elgi's experience, reliability, and cost-effectiveness of providing comprehensive air solutions were the key factors in winning this substantial contract from Siemens. Amidst intense competition from multinationals, Elgi's compressors have answered most of the stringent quality requirements of Siemens.

This order is more significant because it is the first ever application of Elgi air compressors in industrial gas turbines. Elgi has offered total air solutions including piping for supporting the compressor for continuous and trouble free operation. This joint project with Siemens will provide Elgi a significant foothold in the future gas/steam turbine power plants.

Elgi compressors have already gained significance in the thermal power segment in India. Some of the key customers are Gujarat Mineral Development Corporation, Neyveli Lignite Corporation, Vijayawada Thermal Power Station and many more.

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