

Elgi oil-free powers thermal plants

The need for having an efficient and reliable compressed air system is well recognized in view of the large capacity power stations being installed in India. This is more significant as many power plants have designed their ash handling plants on dry ash handling mode using air compressors for movement of ash. Elgi oil-free compressors gain significance in major thermal power plants in India as they play a vital role in providing 100% dry, oil-free air for conveying ash and for instrumentation.



Elgi has made the first ever major turnkey installation of oil-free compressors in the power segment with the order from Gujarat Minerals Development Corporation (GMDC) to install a compressed air solution package in its 250 MW Akrimota Lignite Fired thermal power plant in Kutch. With an aggregate capacity of 250 MW, GMDC plays a significant role in meeting Gujarat's electricity needs. Elgi's compressed-air system, involving oil-free compressors, dryers, instrumentation, spares, piping and other accessories, supplies the pressurized air required by the instruments and other consumers in the plant. The compressors supplied have a capacity of 1660 cfm at 8.8 kg/cm² g each, and have clocked 4000 hours of successful operation.

ELGI has won another major order for the supply of 12 oil-free compressors from Neyveli Lignite Corporation (NLC). The NLC is the leading and biggest lignite mining and lignite-based power generation corporation run by the Government of India. NLC was in need of a reliable compressed air system that can handle large quantities of ash everyday, round the year. Meeting their requirements, Elgi compressors are employed for conveying ash and instrumentation in NLC's thermal power station II, which has a generation capacity of 1470 MW. These compressors are specially designed as per the requirement of NLC with stainless steel coolers to withstand the corrosive environment.

In another major deal, Elgi has supplied oil-free compressors to Andhra Pradesh Genco VTPS Thermal power plant which has a capacity of 500 MW & to Rajasthan Rajya Vidyuth Nigam Ltd for their Dholpur Project. The compressors along with the accessories are supplied through M/s Gea Energy Systems India Ltd.

Elgi oil-free compressors offer cost effective compressed air solution by combining reliable performance, reduced energy consumption, cutting edge technology, and through service excellence.



ELGI oil-free compressors at an installation