

## ELGI Compressors – Ensuring Safe Mining

Energy is the prime mover of economic growth and is vital to the sustenance of a modern economy. India a country endowed with significant mineral resources relies on its rich coal deposits for accelerating its economy. Coal meets approximately 63 percent of the country's total energy requirements. According to current estimates, the reserves are sufficient to meet India's needs for at least another 100 years and India now ranks 3rd amongst the coal producing countries in the world. India has a huge untapped potential for underground mining and currently around 25 coal mining companies operate to exploit the 64 billion tonnes of proven coal reserves available at a maximum depth of 300 meters.



'The Singareni Collieries Company Limited' (SCCL), incorporated in 1920 is the second largest coal producing company in India. SCCL is currently operating 13 opencast and 42 underground mines in 4 districts of Andhra Pradesh with manpower around 78,000. The coal extracted by SCCL in the Godavari valley coalfield up to the year 2009-10 was about 929.12 million tones and now it is working towards the yearly target of 53.4 million tons in the year 2011-12. To achieve this, SCCL relies on its strong workforce and therefore SCCL holds the responsibility to provide a safe workplace for its underground miners.

Throughout the century, collapse of the underground mine roof was the greatest single safety hazard for the mining workers with over one-third of fatal mining accidents in the past. Therefore it is critical to maintain the stability of the openings that are excavated with proper support so that roof-fall losses are prevented. Without a doubt, roof-bolting has been the single most important technological development in the field of ground control in the entire history of mining. SCCL has chosen ELGI compressors to feed the roof bolting machines that help to hold the mine roofs stable.

ELGI has supplied over 100 compressors in the recent past for this critical application and these compressors which are employed at SCCL for drilling holes and to fix the resin roof bolters into the mining roof with the help of roof bolting machines. At SCCL ELGI compressors play a pivotal role of providing safe mining for its vast workforce. These compressors are fitted with 550V flame proof motors and starters along with trolley and 500 liter air receiver. The mining applications demand the very best of air compressors and a high level of after sales support. ELGI is committed to continue its quality supply of products and service to Indian mining industry through its cost-effective compressed air solution, cutting edge technology and service excellence.

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