

Indian Mine Expansion - Onsite Commissioning and Training

Customer

Gainwell Commosales Private Limited (GCPL)

Location

PVK-5 Coal Mine, Kothagudem district, Telangana, India

Background

Contacted by long standing customer GCPL, Ampcontrol supplied a 10 drive AUK5000 (AW2000) Power Centre to the PVK-5 coal mine in India. Additional equipment also included a 4 drive AUK1000 550V Motor Starter and onsite support including surface commissioning and training with Ampcontrol's Indian Service Engineering team.

The AUK5000 had an incoming supply of 3,300V feeding the primary windings of the 1.5MVA Transformer via a 3,300V E10 HV Circuit Breaker. The dual voltage secondary windings provided 1,100V and 550V to the 10 drive Load Centre. All the equipment was coupled together and mounted on a custom-built skid to allow the Powercentre to be transported safely underground.

This is the fourth Power Centre Ampcontrol has supplied to GCPL but it is the first one supplied to GCPL to be used at a Singareni Collieries Company Limited mine. The Ampcontrol equipment supplied to GCPL will be used to power the development of a new section within the PVK-5 mine which will increase coal output of the entire mine.

Commissioning and Training

All equipment was fully examined and tested prior to the 3,300V site supply being applied to the equipment. Once the supply was applied, all function tests were carried out satisfactorily according to GCPL requirements and specifications.

Practical training on the AUK5000 Power Centre and AUK1000 Motor Starter was delivered to GCPL Engineers, which involved the Indian service team stepping the customers through the whole process of unpacking, testing, energising and adjusting the equipment to suit the required application. Additionally, this included an overview of the functionality of the product, enabling the customer to use the product more effectively, reducing downtime and resolving issues without having to seek service team support. Insights on how to adjust the equipment for use in a different application was also provided, highlighting the flexibility offered to customers via the AUK product range.



→ Ampcontrol's advanced multifunctional AUK range offers customers greater flexibility