

# Boon for Boomer



## SITUATION:

The tunnelling of 19 kilometres of underground irrigation tunnels in Sikkim and Hyderabad (Pranahitha Chevella Project, Medak District) faced delays because of frequent stoppage of the Boomer drilling machine. Low voltage and the breaking of drill bits put the project much behind schedule.

Analysis revealed that the length of the cables used in the tunnelling operations was the reason behind the low voltage. In many cases, for example, the cables were up to 2-3 kilometres inside the tunnel.

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**SECTOR:**  
Underground Tunnelling Operations

**PRODUCT:**  
Servo Voltage Stabilizer

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## SOLUTION:

500KVA stabilizers were connected every 800 metres.

## RESULT:

With steady voltage, the Boomer drilling machine could work continuously and operations could be carried out non-stop. With steady power, the breakage of drill bits also showed a substantial drop.

