

CASE STUDY 1: **AL- MUWAYH POWER RENTAL REQUIREMENT**



DETAILS OF THE PROJECT:

CAPACITY	- 43MW
SYSTEM VOLTAGE	- 33KV
DURATION	- 6 ½ MONTHS
YEAR	- 2016
MODE OF OPERATION	- BASE MODE (Sync with GRID)

There was power shortage at SEC (Saudi Electricity Company's) sub-station at Al Muwaigh situated in the TAIF Region at a distance of 1200 kMs from JUBAIL. They had a requirement of 43 MW continuous power to be fed into the Grid at 33KV for a period of 199 Days beginning 15th April 2016 till end October 2016 as there was occurrence of power interruptions regularly and grid system was unbalanced.

The SEC Al MUWAIGH SUB STATION comprises of Powering up a single feeder at their substation for an output of 43MW, on Base Mode from our Power Generating Plant comprising 63 Nos of KTA50G3 DG Sets, rated 1250 KVA each and hooked onto 33KV Transformers and Switch Gear with protective Relays for protection and stability of the system.

We won the contract from Yusuf Bin Ahmed Kanoo who were our lead contractor in this job and readied the plant area, mobilized the equipment and laid the same as per our approved drawings incorporating all ENERGIA standards and safety Practices and powered it up in a time of 30 Days from the date of receipt of LOI.

Our Plant ran for 199 Days without a single trip and our sub-contractors namely YBA Kanoo and their end user namely M/s SEC were extremely happy about our standards, reliability and professionalism we displayed during the time.

M/s YBA Kanoo were pleased to issue a appreciation letter for the same.