

- Client Name : **Saudi Electricity Company - EOA**
- Project Title : **Construction Management for Power Supply to Saudi Aramco's Qatif/Abu Sa'fa Field Development Project – 230 kV Transmission Lines and Substations**
- Project Description : Job involves Construction Management of various new and expanded 230 kV Substations and Transmission Lines as per the following lists:
- a) New 230/115/34.5 kV Juaymah BSP with 230/115 kV GIS, Two (2) 300/400 MVA, 230/115/34.5 Power Transformers and Associated Control, Protection, Relaying, Metering Annunciation/SOE, SCADA, SDH and Low Density Fiber optic equipments.
  - b) Modification to protective relying schemes, auxiliary AC & DC power supplies, alarm/annunciator, SCADA, SOE, SDH Communications Systems & Fault Recorder Systems at Ghazlan 230 kV S/S, Ras Tanura 230 kV S/S, Qatif 230/69/13.8 kV BSP, Juaymah Terminal S/S, Saudi Aramco DCO, and MODA S/S.
  - c) Provision of new protective relaying schemes, auxiliary AC & DC Power Supplies, alarm/annunciator system, interface panel and low density fiber optic communication equipment at Qatif GOSP-1 & 2 & Juaymah Power Plant S/S.
  - d) New 3.8 KM of 115 kV double circuit Overhead Transmission Line at Qatif GOSP-1.
  - e) New 7 KM of 115 kV single circuit Overhead Transmission Line at Abu Sa'fa.
  - f) New 1 KM of two 115 kV double circuit Overhead Transmission Line at Juaymah terminal.
  - g) New 1 KM of 115 kV double circuit Overhead Transmission Line at Qatif GOSP-2.

h) Modification and Retrofitting some of the existing 230 kV and 115 kV Overhead Transmission Lines.

Total Const. Supvn. M/Hrs : 637 Man Months

Project Parameters : Construction of 230 kV Substation and Overhead Transmission Lines.