

Market Segment: Healthcare

POWER PROFILE

Jaber Al-Ahmed Al-Jaber Al-Sabah Hospital

Specification & Scope:

- Supplied FORTY CAT C175-16 generator sets PRIME Power Rating: 2725 KVA / 2180 KW, 3-Phase, 415 VAC, 50 Hz; 0.8 P.F.; 1500-RPM Diesel Generator standby application.
- CAT C175-16 generator set is a blend of unique features, its best of the breed in operational efficiency. It is a result of high-tech engineering with the power capabilities of 2 to 4 MVA at 50Hz and a footprint of 11.8 meters square which is lower than any other high speed generator sets in the industry.
- Supplied TWO CAT C15 Generator sets PRIME Power Rating: 500 KVA / 400 KW, 3-Phase, 415 VAC, 50 Hz; 0.8 P.F.; 1500-RPM Diesel Generator Set with set mounted MCCB for standby application as a backup power supply for the shelter area in the hospital complex.
- Supplied TWO Olympian GEP13.5-4 Generator sets PRIME Power Rating: 12.5 KVA / 10 KW, 3-Phase, 415 VAC, 50 Hz; 0.8 P.F.; 1500-RPM Diesel Generator Set with set mounted MCCB for the second level backup power supply for the shelter area.
- The total standby power generation capacity of the project is 88 Megawatts.
- Twenty-six DG Set Skid Mounted Radiators and Fourteen DG Set with Heater Exchangers.



CUSTOMER

Bader Al Mulla & Bros Co. W.L.L.

LOCATION

South Surra, Ministry Zone, Kuwait

CUSTOMER BUSINESS ISSUE

Reliable and High quality source of electric power generation needed to supply standby power to Jaber Ahmed Al-Jaber Al-Sabah Hospital facilities with built up area of 469,370 meter square and approximate capacity of 1168 patient beds. The hospital will be the largest Medical Centre in the country and will cater medical services to accommodate a projected population of 600,000 once it is operational in year 2016.

- Provided Twenty-six DG Set Exhaust Muffler sized 20" and Fourteen Exhaust Muffler sized 22" with over 100 meters exhaust pipe.
- Load Testing of DG Sets using resistive load bank.
- Startup and commissioning of DG sets at site on available site load.
- Extended Warranty for 5 Years or 1500 hours from the date of commissioning; whichever comes first.



SOLUTION

40 Cat® C175-16 Generator sets
2 Cat® C15 Generator sets
2 Olympian™ GEP13.5 Generator sets

YEAR: 2011

CAT DEALER

Al-Bahar, Kuwait