SAROOJ
CONSTRUCTION COMPANY

MECHANICAL & ELECTRICAL

MV SWITCHGEAR

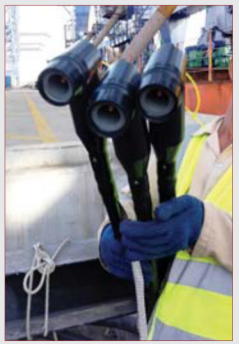
This is the medium voltage switchgear assembled and supplied locally by Al Hassan.

This decision was made to enhance In-Country Value especially that the manufacturer's performance records is quite satisfactory.

This switchgear feeds the new cranes with power.

CONDUITS AND DUCTS

The project includes the construction of several small amenity buildings such as help desks, security booths, gate houses, toilets, as well as a new substation building. The MEP works are all carried out directly by Sarooj's team.



CABLE CONNECTORS

Special Euromould cable connectors were procured from Nexams in France.

The cable being 3-phase required three connectors per crane.

Therefore, twelve connectors were provided to cater for all the new cranes.

ARMOURED CABLE

11 kV armoured cable drum is being installed in duct banks accessible through draw pits to give power to the new four cantilever cranes.

This raises the number of similar cranes to 8 in Sohar Industrial Port.

OICT TERMINAL C

Oman International Container Company is a locally established Hong Kong Company that operates the container terminals in the industrial port of Sohar and is known as OICT.

Since all Cargo handling operations were moved from Port Sultan Qaboos in Muttrah to Sohar Port, yard extension became urgently required.

Sarooj won the contract to extend the terminal and provide the new premises and equipment with their needed power.

The works comprised of installing new medium voltage (MV) switchgear in existing substation to feed four new cranes.

11 kV cables were laid from the main substation to the auxiliary one that feeds the crane through also 11 kV cables laid in duct banks.

Domestic plumbing, drainage, HVAC, for all ancillary buildings were part of the scope.

An external firefighting system is also provided.

External lighting fixtures are installed on high masts.

For refrigerated containers power is provided at reefer gantries.

REEFER GANTRY

Electricians are seen working at height on a Reefer Gantry fixing cable trays and laying cables.

These gantries are also provided with distribution boards (DBs) and power sockets to supply freezer containers.

Eventually Terminal C would accommodate about eight hundred extra freezers.