



CBM

Where the ground is subjected to heavy weights, a layer of cement bound materials (CBM) is applied by means of aggregate spreader and well compacted with rubber-tyred rollers. Materials are pre-mixed in a special mixing plant off-site.



GANTRY CRANE

A typical gantry crane moves on wheels and rubber tyres on a reinforced concrete track.

Trailers circulate on asphalted access roads.



CONTAINER YARD

The new yard is delivered to client by sections (milestones).

The first section was handed over just on time to receive the new fleet of gantry cranes.

Single size clean aggregates fill the space between the sleeper beams.

REEFER GANTRY

Refrigerated containers need to be stored near a power source.

Special gantries called Reefer Gantries are provided and can supply power to several containers stacked at different heights.



CONCRETE TRACKS

Concrete beams are cast across the yard to take the containers.

Longitudinal concrete beams constitute the tracks on which gantry cranes will travel.

Both types of beams rest on a raft of aggregate base course.

CONTAINER TERMINAL IN SOHAR PORT

Since the shutting down of commercial shipping activities in the Port of Sultan Qaboos in Muttrah and the diversion of these activities to the Sohar Industrial Port, large container handling areas became a necessity.

OICT (Oman International Container Terminal) awarded Sarooj through tendering a contract to build an extension to the existing container yard and a new gate to control access to the area.

The works include soil improvement by replacement, sleeper reinforced concrete beams to take the container loads, asphalted circulation areas, reefer gantries for refrigerated containers, several substations, external lighting, fencing and aggregate spreading.

The travelling overhead cranes on wheels move on special reinforced concrete tracks.

Under the gate shed guard houses are provided and electronic equipment for ocular characterization and identification.

Several areas received cement bound materials (CBM) before they were paved.

A special mixing plant produces the CBM wet materials that would be laid and compacted.

