



AIRSTRIP

The airstrip is adequate to receive jet planes, even at night.

It is marked and delimited as per specifications.

It is cambered at the centre to clear any rainwater.

Taxiways and apron slabs also received adequate marking.



APRON

A large concrete hardstanding was cast in-situ in alternate strips and bays.

The concrete was produced by a batching plant, transported in concrete transit mixer trucks, and placed by concrete pump.



SURFACE DRAINAGE

A drainage channel was built all along the runway.

It was lined with mortared riprap stones.

Pipe culverts under the runway were provided to transfer the water from side to side towards natural drains.

ASPHALT WORKS

A hot mix asphalt plant, semi-mobile was installed in the site vicinity in order to produce the required bituminous materials.

Gabbro stones came from quarries near Nizwa. Gabbro stones are preferred for their high characteristics and performance.



HAIMA AIRSTRIP - CIVILS

The site falls on an area of poor ground.

The presence of gypsum in high proportions commanded the removal of about one meter of unsuitable materials.

Actually, the excavation continued until the rock was exposed. Borrow materials replaced the unsuitable existing layers.

The airstrip and the taxiways received sub-base and aggregate base course layers before they were primed and paved.

A large hardstanding (apron) concrete area was also provided as parking space for the aircrafts.

The aircraft ground lighting (AGL) was carried out directly by our MEP department.

This was done to allow the use of the airstrip at night.

An adequate surface drainage system was also provided.

The project was completed on time together with the adjacent firing range.

Sarooj, who are keen on developing small and medium size enterprises (SMEs) assisted several local companies benefit from the project by giving them an opportunity to grow.

EARTHWORKS

The site required extensive earthworks to remove the unsuitable materials, to break the rock outcrop, and produce suitable materials for sub-base and base layers.

Stones for riprap came from distant quarries closer to the mountains.

