



#### CONTROL BUILDING

The building is constructed on a rocky plateau.

The architecture is inspired from the crenelated traditional mud old Omani houses.

The arches and porch echo the same spirit.



#### HAIRPIN CURVE

Considering the big differences in levels along the route, hair pin curves are provided at various locations to ease the steep gradients.



#### UP & DOWN

Having to remain as close as possible to the border line, the road went up and down crossing the rolling hills and mountain cliffs.

#### FENCE

A high anti-climb fence is fixed to posts anchored in solid reinforced concrete foundations.

Concertina coils unfold at the crown.



#### ENGINEER 3 - SECTOR 3 & 4 (EPC)

The project falls in a rugged mountainous area in the Dhofar Province.

Consisting of undulating hills, elevated plateaus, sharp cliffs and deep wadis and ravines.

A major challenge for our design team was the client's desire to keep the road as close as possible to the fence line.

To achieve this goal and keep the balance with other constraints, it was necessary to cut and fill millions of cubic meters of rock and introduce several hairpins to ease the slope.

Special care is given to wadi crossings and the risks it involves.

Arrangements made had to be tight enough to deter intruders and large enough to allow the water to flow through the fence.

Several specialized buildings were erected along the project whilst one integration centre connected the various parts.

The project extends slightly into the sea to demarcate the border line for boat users.

#### CHALKY LIMESTONE

About ten million cubic meters had to be cut into the rock to create space for the road and the fence.

Tons of explosives were consumed to that effect.

