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UNDERLAYER

Excavator CAT 385 seen dressing the underlayer on the face of the protection revetment.



◀ **ROCK TRAY**

Rock is being placed on the toe using a rock tray.

These rocks would be tipped directly on the dredged area.

The floating silt curtain can be seen in the horizon to stop migration of fines that may hurt nearby corals.

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RECLAMATION

The materials yielded from the enabling works on site were used to reclaim an area badly needed by ROP near the border post in Tibet.

The check point buildings can be seen on the extreme left of the picture.

BIRD'S EYE VIEW

This is an overview of the project. It shows in the background the new Power Station's allocated area, the ROP helipad which was right on the beach and is now about 100 m away from the water.



MIPP POWER PLANT (EPC)

The Rural Electrification Company (RAECO) in Oman, a subsidiary from PAEW, the public authority that regulates power and water, signed a contract with Messrs Wärtsilä of Finland to build and commission a 120 MW power plant in Musandam.

Wärtsilä awarded Sarooj the enabling works contract.

About 2.5 million cubic meters of rock and aggregate materials had to be removed and used for reclaiming a vast area that now belongs to the Royal Oman Police (ROP).

Environmental Permit (EP) was put in place and measures were taken to mitigate the migration of fines towards coral areas by using silt curtains.

Sarooj appointed AECOM to design the revetment and protection works, obviously using armour stones.

The works also included tying-in new revetment with existing jetty to form a monolithic structure.

Careful sorting out of various sizes of rock allowed a successful operation.

The final layers on the reclaimed areas consisted of produced aggregate sub-base materials.

In Musandam where available land is scarce, gaining around 100,000 m² of land came as a blessing.

GEOTEXTILE MEMBRANE

To avoid material migration between the quarry run part and the underlayer, a geotextile membrane is placed.

It allows water to pass through it but not solids.

