

<b>PROJECT TITLE</b>	Consultancy Services for Construction for Construction Supervision of fishery harbours at Barka, Taqah, Mussanah and Nabr
<b>LOCATION</b>	Barka – Taqah – Mussanah – Nabr, Oman
<b>CLIENT</b>	Ministry of Agriculture and Fisheries Wealth

## DESCRIPTION



Map of Oman indicating the regions of fishery harbours

The Ministry of Agriculture & Fisheries has currently embarked on implementation of the Fisheries Sectors Development Programme and as part of this programme is the construction of an all-weather fishery harbours in Oman.



### BARKA FISHERY HARBOUR

Barka is a fast developing coastal town located on the Oman Sea coast 80 km west from Muscat.

Construction works include 2 breakwaters with total length of 1760 m, 150 m long quay wall, dredging and reclamation, dredging of approaching channel, floating pontoons and approaching bridges, port pavements, E/M utilities, access road.

### TAQAH FISHERY HARBOUR

Taqah is a coastal town located on the Arabian Sea approximately 35 km east of Salalah.

The construction works include 2 breakwaters with total length of 1800 m, 150 m quay wall, dredging and reclamation, floating pontoons and approaching bridges, port pavements, E/M utilities, access road.





#### **MUSSANAH FISHERY HARBOUR**

Mussanah is a coastal town situated approximately 110km west from Muscat.

The construction works include 2 shore connected stone-armoured rubble-mound breakwaters, quay wall, dredging and reclamation, infrastructure works etc.

#### **NABR FISHERY HARBOUR**

Nabr is a coastal town situated approximately 225 km west from Muscat.

The construction works include 2 shore connected stone-armoured rubble-mound breakwaters, quay wall, dredging and reclamation, infrastructure works etc.

#### **ADK will provide the following services:**

- Design Review and Re-design of maritime and infrastructure works for the construction of all Fishery Harbours
- Preparation of Terms of Reference and witnessing of the execution of 2-D physical hydraulic model testing of breakwater cross sections at a specialized hydraulics laboratory
- Supervision of the construction works and project management including related quantity surveying tasks
- Assistance to the Client in the administration and management of the Works Contract until maintenance period is completed.

**PROJECT TITLE**

Consultancy Services for Development of the existing fishery harbour at Dhalkut

**LOCATION**

Dhalkut, Oman

**CLIENT**

Ministry of Agriculture and Fisheries Wealth

**DESCRIPTION**

Dhalkut fishery harbour is located on the Arabian sea coast at a distance of 15 km from the Oman - Yemen border. Severe wave disturbance at the entrance of the harbour constitutes a navigation hazard to the lives of fishermen, especially during the SW monsoon period. The Ministry of Agriculture & Fisheries engaged the Consultant to carry out the studies, designs and construction supervision of all required marine, infrastructure and building works aiming to a) the provision of all-weather safe navigation and b) the development and extension of Dhalkut Fishery Harbour.

**ADK will provide the following services:**

- Topographic and bathymetric surveys
- Jet probing surveys for the mapping of underlain rock layer levels and the thickness of overlaying sand layers
- Field study of met-ocean parameters including the measurement of wind, waves, currents, water levels and meteorological parameters during the NW and SW monsoon period.
- Mathematical wave studies including statistical analysis of offshore wave climate, numerical modelling of nearshore wave propagation and wave penetration and agitation inside the harbour.
- Mathematical study of coastal processes and sedimentation
- Geotechnical investigation (marine and land boreholes, laboratory soil testing)
- Preliminary and detailed design of marine works (breakwaters, revetments, quay walls, dredging and reclamation, floating pontoons, navigations aids, port pavements etc.)
- Physical hydraulic model testing of marine works (2-D and 3-D) in a specialized hydraulics laboratory
- Preliminary and detailed design of land infrastructure works (approach roads, E/M utilities, buildings)
- Preparation of Tender Documents and Construction Contract Documents and services during tendering
- Supervision of construction and project management including related quantity surveying tasks.
- Assistance to the Client in the administration and management of the Works Contract until maintenance period is completed.