

**Tender No. 21/2014\_ Design and Construction of an  
Integrated Waste Treatment Storage and Disposal Facility at  
Duqm**

**BRIEF DESCRIPTION OF WORKS**

Bidders are invited to submit their bid for the Engineering, Procurement and Construction (EPC) of the Phase-1 “Duqm Integrated Waste Management facility” (DIWMF) Project.

The DIWMF comprises two landfill facilities. One is the MSW Landfill Facility and the other is the Industrial Waste Landfill Facility. Both landfill facilities are to be designed and constructed in accordance with USEPA 40 CFR regulatory and technical requirements and full compliance with the tender document.

The infrastructures to be designed and constructed for the common use of both landfill facilities are as follows:

- Entrance gate
- Perimeter fence
- Access road to landfill from main road
- Weighbridge
- Truck wheel wash system
- Workshop
- Transformer
- Water and electricity supply
- Others as required in the tender document

The infrastructures to be designed and constructed for the MSW Landfill Facility Phase 1 infrastructures are as follows:

- Entrance gate
- Perimeter fence
- Weighbridge
- Truck wheel wash system
- Engineer MSW Landfill Cell with composite lining system and leachate collection and removal system ( For Phase 1, Landfill Cell 1 is 170 m by 490 m in size)
- Evaporation ponds (5000 cubic metres) with fences and gates
- Administration building
- Labour building
- Equipment maintenance and repair workshop
- Site utilities
- MSW Landfill Facility MEP works
- Paved access roads
- Paved internal roads
- Shaded carparks and equipment parking
- Unpaved internal roads and equipment track roads
- Erosion control system
- Surface runoff system
- Landscaping

- Others as required in the tender document

The infrastructures to be designed and constructed for the Industrial Waste Landfill Facility Phase 1 infrastructures are as follows:

- entrance area and gate
- Perimeter fence
- Administration building
- Labour building including laboratory
- Reception, sampling and quarantine area
- Buildings for storage and pre-sorting of industrial waste
- Industrial waste landfill facility MEP works
- Engineered industrial waste landfill with double composite lining system, leachate collection and removal system, and leachate detection collection and removal system. (Phase 1 Landfill Cell 1 net base area shall be 100 m by 100 m)
- Evaporation pond of sufficient capacity with fencing and gates
- Paved internal roads
- Unpaved circular roads and equipment track roads
- Erosion control system
- Surface runoff system
- Landscaping
- Others as required in the tender document