

Executive Summary

This scope of works describes the Construction Services required to:-

- Maintain the fibre optic ,duct and related PoP site system
- Construct minor works to alter or augment the fibre system.

Construct customer connections to the networkHaya Water will be assumed to have constructed a Governorate wide network covering an estimated 50,000 plots. These plots can be either:-

- Single dwelling units
- Multiple dwelling units
- Large business customers
- SME commercial businesses
- Municipality, Health , Education or Ministry sites

The network topology will be termed:- Fibre To The Home (FTTH) and is detailed in the attached network design guidelines specification.

The scope of the works will be detailed in the Tender document but in summary it will cover the following items for which Haya Water will request a turnkey design and build solution:-

- Supply all materials in connection with customer connection , maintenance and minor works
- Provide planning and design support relating to customer installation and minor works.
- Provide civil installation works for customer connections and other minor works
- Provide cable installation and splicing works for customer connections and other minor works
- Provide maintenance support for any damage sustained to any part of the PoP site ,civil and cable systems
- Provide four hour response time to emergency works
- Provide regular routine PoP site maintenance visits to site including system checks and cleaning.
- Provide response to extended alarm conditions triggered by the following events from the PoP site management system
 - Intruder Alarm
 - Fire Alarm
 - Power Failure Fibre cut

The areas to be covered by the project are listed below with an estimate of the number of plots to be covered.

Area	Estimated Plots/number
MSQ	647
Shatti Al Qurum	1,147
Airport Heights	154
Darsait	258
Aynt	73
Mobella	24,799
Seeb	14,100
Al Azeibah	3,345
A Ghubra	4,361
Core network	37,000 m
PoP site Install	4
Total	48,884

The associated PoP sites will be in :-

- Al Khoud STP
- MSQ STP
- Al Ansab STP
- **Mobella**