

EXTENSION OF WATER NETWORK AT AL JEBYIAH IN IBRI WILAYAT AD'DHAHIRAH GOVERNORATE

T-2454409-2022

SCOPE OF WORK

Brief

The scope of work includes inter alia civil and building works, procurement, construction and testing of water network; and Services design, engineering, manufacture, inspection and testing at the maker's works and at site, packing for export shipment, insurance, delivery to site, unloading, complete erection, site testing, start up, commissioning, performance testing, putting into operation; training of the Employer staff (or others) assigned to operate the Works; and maintenance support during the defects liability period, which expires one year after the completion of the whole of the Works.

Extension of Water Network At Al-Jebiyah In Ibri Wilayat –AD'Dhahirah Governorate following principal components: distribution network with all necessary accompanying equipment

The scope of the contractor's work includes the following:

Construction of distribution network, total length of **17,314 m** as follows:

Locations	Description	Class	Approximate length of main required
in AL-Jebiyah area of Ad'Dhahirah Governorate project	110mm OD HDPE Pipe	PN 16	16,509 m
	180mm OD HDPE Pipe	PN 16	805 m
	110mm DN Fire Hydrants	Pillar type Anti-Theft protection	15 no.
	180mm DN Fire Hydrants	Pillar type Anti-Theft protection	2 no.
	110 mm DN Air release valve	Double orifice kinetic	10 no.
	180 mm DN Air release valve	Double orifice kinetic	2 no.
	Washout chamber	on 110mm HDPE pipe	2 no.
	Washout chamber	on 180mm HDPE pipe	1 no.
	Gate valves	DN 100mm	4
		DN 150mm	1
		110mm HDPE	15
		1800mm HDPE	3
	Thrust boring/Road crossing	Horizontal Direction Drilling	150 m
	Wadi crossing	Major/Minor wadi Protection	120m
House Connection	32mm & 63mm	1100m	

The Employer has determined the pipe diameters and proposed routes of the pipelines to be constructed.

All necessary investigations, and preparatory work, including topographic survey of the pipeline route, geological survey for rock excavation and soil investigation surveys, are to be carried out by the Contractor, together with the obtaining of excavation permits and another other surveys, agreements and permits necessary for the construction of the Works.

The Contractor shall ascertain for himself the exact scope of work including all material / M&E Plant to be supplied such that the installation is complete and in working order on completion of the contract. It shall be the Contractor's responsibility to visit the site and ascertain for himself all the site constraints.

The minimum pressure rating for pipelines are specified and the Contractor shall demonstrate through calculations submitted to the Engineer that the pipes he proposes for the Works shall satisfy the requirements for maximum working pressure, surge and backfilling with external load conditions.

More details are provided in the Tender Specifications and on the Tender Drawings.