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Brief Scope of Works

Tender No.: T/2439498/2021

Tender Title: CONSTRUCTION OF TSE DISCHARGE PIPELINE FROM AL AMERAT STP TO WADI AL JANHI

The Contractor shall construct Treated Effluent Pipeline from Al-Amerat STP to Wadi Janhi.

The Contractor shall supply, install, construct, test and commission of the following

1. Pipes for around 6 km.
2. Pipes for around 4.5 km
3. Ductile Iron pipes for around 100m
4. 4 Pumps inside existing pumping station
5. Discharge structure at Wadi Janhi.
6. Break Water Tank



The work includes the furnishing of all labor, materials, plant and equipment necessary and as shown and specified for the construction, testing, commissioning, and maintenance support during the defects liability period.

The TE pipeline will be constructed in one phase. Some portions of any components of the Works may not be carried out and, if so, Contractor will not be entitled to any claim for additional payment whatsoever.

The TE construction works include, without being limited to, mainly the following activities:

- Survey works
- Excavation and filling
- Supply, install, test and commissioning of pipes with fitting and appurtenances
- Supply, install, construct, test and commissioning of Valves chambers and accessories installations
- Supply, install, test and commissioning of pumps set with all related accessories inside the existing pumping station
- Surface reinstatement
- Special works for crossings (roads, wadis,.....etc)
- Network marking
- Data collection, testing, cleaning. Disinfection, shop drawings and commissioning, HDPE welding

The Employer has determined the pipe diameters and proposed routes of the TE pipelines to be constructed. All necessary investigations and preparatory work is to be carried out by the Contractor, including the obtaining of excavation permits. It shall be responsibility of the Contractor to demarcate the plot in accordance with the requirements of relevant authorities. All necessary investigations, and preparatory work, including validation of existing topographic survey of the pipeline route, geological survey for rock excavation and soil investigation surveys, are to be

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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, ascertain for him all the site constraints.

The minimum pressure rating for TE 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.

Time for Completion of the Works

The whole of the Works, including the Provisional Items / Bills, if instructed to be included in the Works, shall be completed within a maximum Time for Completion of the Works of 12 months, as defined by the Standard Conditions of Contract.