

CONSTRUCTION OF TE FILLING STATION, AND ALL ASSOCIATED CIVIL, MECHANICAL, LANDSCAPING WORKS IN A SHAKHAKKEET/ BARKA

SCOPE OF WORK

Project Brief

Construction of TE Filling Station, and all associated Civil, Mechanical, Landscaping works in AL Shakhakeet/ Barka.

The Contractor scope consists of and not limited to: Supply, construction, installation testing, commissioning of TE Filling Station (4 bays), Shop drawings preparation, structural design of RCC slab, all required materials, valve chamber, civil works, Mechanical, pipes connection to Exiting TE line and other related Scope/Materials required to complete the works in accordance with OWWSC design Manuals, Standards details and specifications

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

1. Data Collection, survey, validation of data
2. Structural design of and preparation Designs of shop drawings, all subject to OWWSC acceptance
3. Preparation of MAS for acceptance to OWWSC, all subject to OWWSC acceptance
4. Obtaining NOCs and work permits from the relevant authorities.
5. Site clearance and preparation, levelling, grading, and setting of the coordinates.
6. Connection to existing 700 mm HDPE TE line, Supply, test commotion of all required Materials (PN 16 TEEs, fittings, reducers, Dismantling Joint, Thrust Blocks, Civil works, reinstatement to original condition, Disposal of excess Materials to approved location
7. Supply, test, Commission of 225 mm HDPE PN 16, including jointing, Civil works, Reinstalment to original condition. (From Point (A) to Point (B) PN 16, Disposal of excess Materials to approved location and imported material as required
8. Supply, construction, test, and commission of Reinforced Concrete Valves chamber: DN200 isolating valves 2 Numbers, DN200 Electromagnetic Flowmeter, DN200 PRV pressure reducing/sustaining valve and Y-strainer, dismantling joints, Supports, Thrust flanged, surface poxes 2 numbers, spindles (02 numbers and all other necessary work and fittings. All pipes and fittings after point (b) shall be PN 10 and all fittings within the Chamber shall be DIP, the scope cover all civil and Mechanical work. All dimensions, thicknesses, sump, arrangement's, etc. shall be as per (SD-TE.RM_0404_Isolation, Pressure Reducing, & Future Connection R3.1) and structural, reinforcement arrangements etc. as per (SD-TE.RM_0405_Chamber Reinforcement & Misc. details R3.1)
9. Supply, install, Construction, test, install and Commission of Entrance Gate, as per SD (STP 003 Boundary Wall & Gate-STP 003) Standards and Specifications, All Material, painting, etc.
10. Supply, install, Construction, test, install and Commission of Curbstone.
11. Supply, install, Construction, test, install and Commission of Gravel areas
12. Supply, install, Construction, test, install and Commission of Heavy Traffic Asphalt
13. All Required landscaping
14. Supply, install, Construction, test, install and Commission of Four tanker filling bays of standard height of 4.5m supplied by 20m long DN200 ductile iron DI header installed horizontally at the upper (elevated at the top of the 4 bays) including four 4 butterfly isolating valves each of typical DN100

diameter to match DN100 hose in addition to all steel pipe supports, reinforced concrete foundation and brackets as shown on the design drawings.

15. Supply, install, Construction, test, install and Commission Drainage of Excess TE water by Sloping the hole area towered the natural area as shown in indicative Drawings, the of level natural area shall be minimum less 50 mm from the lowest surfaced (paved). The Natural area shall be provided by natural channels to ensure proper destruction of excess TE water through the Natural area, no plantation and Irrigation system is required).
16. Site civil work including final survey with internal heavy-duty paved roads works plus 20mx20m reinforce concrete slab of minimum 300mm thickness under the tanker filling 4 bays area as shown on the indicative drawing drawings. The final dimensions, length, width, thicknesses, reinforcement, protections etc. The slab and Asphalt design shall be as per Contractor structural design based on Oman High-way Design Manuals, specifications and requirements for heavy traffic, subject to OWWSC review and acceptance.
17. Preparation and Submission of Designs, Reports, drawings, Workshops, HAZOP, all subject to OWWSC acceptance
18. Structural Calculation and preparation of structural drawings, including Concrete protection
19. All required Mechanical design, calculations and drawings, P&IDS diagrams
20. Supply and installation, of Warnings tapes, Marker Plate, Marker Posts, Pipe identification and pipe color coding,
21. The HDPE Pipe shall be provided green strip as per Standards Details
22. The Contractor shall provide and comply to OWWSC HSE specification and requirements
23. All required tests
24. Dewatering
25. Disposal of excess Materials to approved location and imported material as required
26. Handing over and Commission
27. Submission of As-bult drawing and GIS,
28. All shall be as shown in the Concept design Drawing Volume IV
29. All shall be in accordance with OWWSC Design Manuals, Specifications, Standard Details, Procedures, and requirements
30. Any other Material and works to complete the work.