



SUBCONTRACT FOR PIPING WORK

PROJECT:

Scope Matrix

Date:

	Description	Client	GRP	Remark
A.	<u>General</u>			
1.	Management and supervision of GRP Work			
2.	Mobilization of workforce both direct and indirect as necessary			
3.	Automobile liability insurance for GRP vehicles			
4.	Employers liability insurance for GRP personnel			
5.	Construction all risk insurance			
6.	Third Party risk insurance			
7.	Workmen's compensation insurance for GRP personnel			
8.	All taxation, duties, and charges in connection with work scope of GRP			
9.	Administration for GRP			
10.	PPE gear/devices for GRP personnel (safety helmet, safety shoes, etc.)			
11.	All transportation from/to site for GRP personnel			
12.	Accommodation and catering for GRP			
13.	Safety Officer for GRP			
14.	First Aid for GRP personnel			
15.	Provision of field office and local phone for GRP			
16.	Letter of Assistance for Security Pass for GRP personnel and vehicle			
17.	Obtaining Security Pass for GRP personnel and vehicle			
B.	<u>External Supply of Material</u>			
1.	Supply of all permanent piping materials such as pipes, fittings, flanges, for GRE system			
2.	Permanent supply: bolts/nuts			
3.	Permanent supply: gaskets			



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B.	<u>External Supply of Material (cont'd.)</u>			
4.	Supply pipe supports such as pipe saddles, clamps, shoes, U-bolts, etc.			
5.	Supply fabricated spools from other location than site			
6.	Supply all jointing materials: Lamination/Cement Kits/AEROSIL			
7.	Supply scaffolding equipment			
8.	Supply temporary supports			
9.	Packing and transportation to site			
10.	Supply valves within GRE piping system			
11.	Supply temporary bolts for testing			
12.	Supply temporary gaskets for testing			
13.	Supply blind flanges for testing			
C.	<u>Site Construction and Testing</u>			
1.	All necessary fabrication, pre fabrication and installation			
2.	Testing and commissioning procedures for pipe system			
3.	On/off loading of materials at site			
4.	Survey for installation work			
5.	Coordinates and bench mark for piping system			
6.	All earth work including excavation, dewatering, backfill, etc.			
7.	Acceptance of trench backfilling and compaction (QA/QC)			
8.	Material transportation within site			
9.	Personnel transportation within site			
10.	Supervision of on/off loading and handling			
11.	Storage of piping materials			
12.	Installation			
13.	Positioning			



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C.	<u>Site Construction and Testing (cont'd.)</u>			
14.	Necessary tools for jointing			
15.	Installation of gaskets, bolts, and nuts			
16.	Make up all laminated/bonded joints and coupled connections			
17.	Installation of valves and equipment directly in line			
18.	Material handling and cranes			
19.	Welding/fixing pipe shoes to sub-structure			
20.	Fixing support clamps on pipe			
21.	Release of each system as ready for hydrotest (QA/QC)			
22.	Gauges, pressure pumps, for hydrotest			
23.	Specific equipment and tools for installation			
24.	Specific equipment and tooling for testing			
25.	Supply water for hydrotest			
26.	Scaffolding erection			
27.	Temporary support erection			
28.	Filling the line with water provided FOC by contractor			
29.	Dewatering after hydrotesting			
30.	Commissioning assistance			
31.	QA/QC documentation for GRP scope only			
D.	<u>Warranty</u>			
1.	On material supplied by GRP		N/A	Year(s)
2.	On works done by GRP			Year(s)
E.	<u>Stand-by</u>			
	Stand-by rates claimable by GRP for stand-by out of our control @ _____ AED per day			