

	TECHNICAL SPECIFICATIONS	COMPARATIVE SPECIFICATION / REMARKS
A - Minimum technical requirements.		Comparative specification / remarks should indicate any deviation from technical parameter or functional description of tender specification or confirmation with "Yes" and if applicable further particularities.
1.0	Fuel tank (10000 LITER) specifications	
1.1	Storage Medium / diesel tank	
1.2	Capacity 10,000 Liter Tank dimensions are Length=4.5 m X R =0.844 m, Since the equation for the cylinder volume equal to $V=3.14 \times \text{Length} \times R^2$, $V=3.14 \times 4.5 \times (0.844)^2 = 10.06 \text{m}^3$	
1.3	Cylindrical shape horizontal arrangement, single wall type	
1.4	Tank manufacturing with accessories as described in the engineering drawing	
1.5	Pressure Design /1 bar	
1.6	temperature Design / -25° C - 100° C	
1.7	Corrosion Allowance /2 mm	
1.8	Fuel tank lifetime minimum 25 year	
1.9	Level fuel meter (LCD SCREEN) 7 levels	
1.10	Electrostatic Grounding	
1.11	Lifting points MT certified	
1.12	Test certificate ((VT visual test + PT penetration liquid))	
1.13	Manholes (60 X 60) cm, stairs, walkway , and protective fence on the top of tank	
1.14	Welding according to the codes E7018-1 & MIG 70s6 .	
1.15	Material of Specification of Connection Tube / PIPE SEAMLESS C.S ASTM A106 Gr.B / API 5LB	
1.16	Identification of Tank / Horizontal cylindrical	
1.17	Raw materials matching carbon steel ASTM-A36 & Equivalent 6 mm for tank and 8 mm for dishend	
1.18	The daily tank for generators can be automated with a pump to ensure that fuel is always present in the generator and have full control over a certain level of fuel, It includes the pump and pipes and connects them with fuel sensor floats and all parts of the controller.(the tank should be connected with two generator)	
1.19	Used pump for fueling is 1 inch and 150 l/m with it's starter and all electrical connections	
1.20	All electrical and mechanical connections are included	
1.21	Welding / E7018-1 & MIG 70s6	
2.0	paint	
2.1	Colour: light grey	
2.2	Solids by volume :ISO 3233, 63 ± 2 %	
2.3	Gloss level (60 °) :ISO 2813, matt (0-35)	
2.4	Flash point: ISO 3679 Method 1, 82 °F (28 °C)	
2.5	Specific gravity: calculated, 1,56 kg/l	
2.6	VOC-USA / VOC Hong Kong, EPA Method 24, 2,5 lbs/gal	
2.7	VOC-Solvent Emission Directive, SED (1999/13/EC), 240 g/kg	
2.8	Carbon steel surface preparation, Sa 2½ (ISO 8501-1)	
2.9	Finishing External DFT 80 microns and (recommend RAL 9002 grey white)	
3	Tests	
3.1	Penetrating Oil Test	
3.2	Visual Examination	

B. DELIVERY

- 1 Delivered Duty Paid to GIZ Ramadi office
- 2 Transportation, loading, unloading, Crane and instlation is under responsibility of supplier

C. REMARKS AND CONDITIONS

- 1 Minimum 1 year warranty Starting from the time of delivery to the site
- 2 Transportation costs must be included in the price.
- 3 Datasheets are required for the paint and pump
- 4 necessary materials, equipment, tools, skilled and unskilled labor under the responsibility of the supplier and included in the price offer
- 5 Penetrating Oil test is included in the price
- 6 Visual examination is included in the price