

## I. SCOPE

The supply of Water Tanker Trucks (Brand New), LHD, Suitable for Use in extreme climatic and physical conditions in Iraq (Workable at a temperature more than 45C and work on local fuel in Iraq).

## II. TECHNICAL SPECIFICATIONS

<b>ITEM 1</b>	<b>TECHNICAL SPECIFICATIONS OF 8,000 LITERS WATER TANKER</b>	
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**Note: Pictures are for reference purpose only and may contain optional accessories.**

NO	ITEM	SPECIFICATIONS	QTY
<b>1.</b>	<b>CHASSIS VEHICLE</b>		<b>3 Units</b>
	Brand / Model	Any Brand meet the technical requirements, zero kilometer, model 2020 or 2021	
	Engine	Not less than 240 hp, diesel, six cylinder, <b>Euro 3 or Euro 4</b>	
	Drive Train	6x4 or 4x4 or 4x2	
	Payload	Minimum chassis payload is 10 ton	
	Steering	LHD	
	Cabin	Single, A/C	
<b>2.</b>	<b>GENERAL</b>		
	General	Water tanker made of galvanized Steel material suitable for transport of drinking water. All piping and fittings of galvanized steel pipes. On top of the tank there will be a walkway lying on both sides and walkway. Access to walkway will be provided by a steel ladder mounted on the tank.	
<b>3.</b>	<b>WATER TANK</b>		
	Capacity	8,000 Liters	
	Type	Elliptical tank 3 partition manufactured from galvanized Steel.	
	Baffle Plates	Min. 3 units vertical and horizontal baffle plates	
	Tank Filling	2 units 2.5" filling inlets with couplings and non-return valves on both sides of the tank and through the manhole having at least 450 mm diameter with lid mounted on top of the tank.	
	Overflow / Drainage	Bluff pipe for air and extra water inside the tank	
	Level Indicator	A transparent (rubber) water level indicator will be mounted on the side of the tank.	

<b>4.</b>	<b>WATER PUMP</b>	
	Type	Moto Pump
	Capacity	1000 lpm
	Outlets	1 unit 2" or 3"
	Driven Type	PTO/Gasoline/Diesel Engine
	Location	On one side of the tank or Under the tank
	Suction	1 unit 2" or 3"
<b>5.</b>	<b>HOSE REEL</b>	
	Material	Light Alloy
	Placement	On the rear side of the vehicle
	Hose	1 unit 1" 20 meter
	Rewinding	Manual
<b>6.</b>	<b>PAINTING</b>	
	Tank Exterior	White with Blue lines (compliance with local traffic rules)
<b>7.</b>	<b>ACCESSORIES</b>	
		3 units 4" 3 meter suction pipe
		2 units 2" 20 meter water delivery hose
		Hose lockers on both sides
		Suction Wrenches
		1 ladder providing access to the top of the tank mounted
		Toolbox
<b>8.</b>	<b>DOCUMENTS</b>	1 set of Workshop Manual, Spare Parts Catalogue, Operation & Maintenance Booklet in English and Arabic
<b>9.</b>	<b>WARRANTY</b>	Minimum <b>two-year warranty</b> against any kind of laboring mistakes (Provide service every six months (total of 4 services) by the supplying company.
<b>10.</b>	<b>SPARE PARTS</b>	<b>Spare parts guarantee for 10-ten-years operation period.</b>
<b>11.</b>	<b>INSPECTION &amp; TRAINING</b>	Factory Acceptance Tests and Training to be provided in Dohuk, Iraq
<b>12.</b>	<b>Fast Moving Spares for 50,000 kms</b>	Fast moving spares for 50,000 kms to be included with a separate cost. every set should include. 1. oil Filter 2. fuel filter 3. Air filter.  The items should be Origin from the

**3 Sets**

		proposed brand.	
		Note: Please indicate the spares in the package.	
13.	<b>Spare tire</b>	one spare tire installed with the truck (Size according to type of Brand)	<b>3 Units</b>

<b>ITEM 2</b>	<b>TECHNICAL SPECIFICATIONS OF 10,000 LITERS WATER TANKER</b>	
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**Note: Pictures are for reference purpose only and may contain optional accessories.**

NO	ITEM	SPECIFICATIONS	QTY
<b>1</b>	<b>CHASSIS VEHICLE</b>		<b>2 Units</b>
	Brand / Model	Any Brand meet the technical requirements, zero kilometer, model 2020 or 2021	
	Engine	Not less than 250 hp, diesel, six cylinder , <b>Euro 3 or Euro 4</b>	
	Drive Train	6x4 or 4x4	
	Payload	Minimum chassis payload is 12 ton	
	Steering	LHD	
	Cabin	Single, A/C	
<b>2</b>	<b>GENERAL</b>		
	General	Water tanker made of galvanized Steel material suitable for transport of drinking water. All piping and fittings of galvanized steel pipes. On top of the tank there will be a walkway lying on both sides and walkway. Access to walkway will be provided by a steel ladder mounted on the tank.	
<b>3</b>	<b>WATER TANK</b>		
	Capacity	10,000 Liters ± 5%	
	Type	Elliptical tank 3 partition manufactured from galvanized Steel.	
	Baffle Plates	Min. 3 units vertical and horizontal baffle plates	
	Tank Filling	2 units 2.5" filling inlets with couplings and	

		non-return valves on both sides of the tank and through the manhole having at least 450 mm diameter with lid mounted on top of the tank.	
	Overflow / Drainage	Bluff pipe for air and extra water inside the tank	
	Level Indicator	A transparent (rubber) water level indicator will be mounted on the side of the tank.	
<b>4</b>	<b>WATER PUMP</b>		
	Type	Moto Pump	
	Capacity	1000 lpm	
	Outlets	1 unit 2" or 3"	
	Driven Type	PTO/Gasoline/Diesel Engine	
	Location	On one side of the tank or Under the tank	
	Suction	1 unit 2" or 3"	
<b>5</b>	<b>HOSE REEL</b>		
	Material	Light Alloy	
	Placement	On the rear side of the vehicle	
	Hose	1 unit 1" 20 meter	
	Rewinding	Manual	
<b>6</b>	<b>PAINTING</b>		
	Tank Exterior	White with Blue lines (compliance with local traffic rules)	
<b>7</b>	<b>ACCESSORIES</b>		
		3 units 4" 3 meter suction pipe	
		2 units 2" 20 meter water delivery hose	
		Hose lockers on both sides	
		Suction Wrenches	
		1 ladder providing access to the top of the tank mounted	
		Toolbox	
<b>8</b>	<b>DOCUMENTS</b>	1 set of Workshop Manual, Spare Parts Catalogue, Operation & Maintenance Booklet in English and Arabic.	
<b>9</b>	<b>WARRANTY</b>	Minimum <b>two-year warranty</b> against any kind of laboring mistakes (Provide service every six months (total of 4 services) by the supplying company.	
<b>10</b>	<b>SPARE PARTS</b>	<b>Spare parts guarantee for 10-ten-years operation period.</b>	
<b>11</b>	<b>INSPECTION &amp; TRAINING</b>	Factory Acceptance Tests and Training to be provided in Dohuk, Iraq	
			<b>2 Sets</b>

<b>12</b>	<b>Fast Moving Spares for 50,000 kms</b>	Fast moving spares for 50,000 kms to be included with a separate cost. every set should include. 1. oil Filter 2. fuel filter 3. Air filter.  The items should be Origin from the proposed brand.  Note: Please indicate the spares in the package.	
<b>13</b>	<b>Spare tire</b>	one spare tire installed with the truck (Size according to type of Brand)	<b>2 Units</b>

<b>ITEM 2</b>	<b>TECHNICAL SPECIFICATIONS OF 16,000 LITERS WATER TANKER</b>	
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**Note: Pictures are for reference purpose only and may contain optional accessories.**

<b>NO</b>	<b>ITEM</b>	<b>SPECIFICATIONS</b>	<b>QTY</b>
<b>1</b>	<b>CHASSIS VEHICLE</b>		<b>1 Units</b>
	Brand / Model	Any Brand meet the technical requirements, zero kilometer, model 2020 or 2021	
	Engine	Not less than 360 hp, diesel, six cylinder, <b>Euro 3 or Euro 4</b>	
	Drive Train	6x4	
	Payload	Minimum chassis payload is 18 ton	
	Steering	LHD	
	Cabin	Single, A/C	
<b>2</b>	<b>GENERAL</b>		
	General	Water tanker made of galvanized Steel material suitable for transport of drinking water. All piping and fittings of galvanized steel pipes. On top of the tank there will be a walkway lying on both sides and walkway. Access to walkway will be provided by a steel ladder mounted on the tank.	
<b>3</b>	<b>WATER TANK</b>		
	Capacity	16,000 Liters ± 10%	

	Type	Elliptical tank 3 partition manufactured from galvanized Steel.
	Baffle Plates	Min. 3 units vertical and horizontal baffle plates
	Tank Filling	2 units 2.5" filling inlets with couplings and non-return valves on both sides of the tank and through the manhole having at least 450 mm diameter with lid mounted on top of the tank.
	Overflow / Drainage	Bluff pipe for air and extra water inside the tank
	Level Indicator	A transparent (rubber) water level indicator will be mounted on the side of the tank.
<b>4</b>	<b>WATER PUMP</b>	
	Type	Moto Pump
	Capacity	1000 lpm
	Outlets	1 unit 2" or 3"
	Driven Type	PTO/Gasoline/Diesel Engine
	Location	On one side of the tank or Under the tank
	Suction	1 unit 2" or 3"
<b>5</b>	<b>HOSE REEL</b>	
	Material	Light Alloy
	Placement	On the rear side of the vehicle
	Hose	1 unit 1" 20 meter
	Rewinding	Manual
<b>6</b>	<b>PAINTING</b>	
	Tank Exterior	White with Blue lines (compliance with local traffic rules)
<b>7</b>	<b>ACCESSORIES</b>	
		3 units 4" 3 meter suction pipe
		2 units 2" 20 meter water delivery hose
		Hose lockers on both sides
		Suction Wrenches
		1 ladder providing access to the top of the tank mounted
		Toolbox
<b>8</b>	<b>DOCUMENTS</b>	1 set of Workshop Manual, Spare Parts Catalogue, Operation & Maintenance Booklet in English and Arabic.
<b>9</b>	<b>WARRANTY</b>	Minimum <b>two- year warranty</b> against any kind of laboring mistakes (Provide service every six months (total of 4 services) by the supplying company.
<b>10</b>	<b>SPARE PARTS</b>	Spare parts guarantee for 10-ten-years operation period.

11	<b>INSPECTION &amp; TRAINING</b>	Factory Acceptance Tests and Training to be provided in Dohuk, Iraq	
12	<b>Fast Moving Spares for 50,000 kms</b>	<p>Fast moving spares for 50,000 kms to be included with a separate cost. every set should include.</p> <ol style="list-style-type: none"> <li>1. oil Filter</li> <li>2. fuel filter</li> <li>3. Air filter.</li> </ol> <p>The items should be Origin from the proposed brand.</p> <p>Note: Please indicate the spares in the package.</p>	<b>1 Sets</b>
13	<b>Spare tire</b>	one spare tire installed with the truck (Size according to type of Brand)	<b>1 Units</b>

### Remarks and Conditions

- All Items Should be delivered to directorate warehouse /Iraq/ Duhok (**3 different location**).
- Transport costs and custom cost at the border are included in the product price.
- **Submit Manufacturer certification for all offered items should be provided before delivery.**
- **At least- Two-year warranty against any kind of laboring mistakes for all offered items (Provide service every six months (total of 4 services) by the supplying company.**
- **Factory Acceptance Tests on site and Two days Training for at least 20 Technicians and drivers to be provided in Dohuk, Iraq (the training will be with hall rent, lunch with taking into account health instructions)**
- Painting all trucks with GIZ, AFD, and KRG Logo (the logo will be shared by giz later).
- Catalogues and tech. specifications should be provided with offers.
- All standard accessories for all offered items should be provided.