

Section II: Schedule of Requirements
eSourcing reference:

Background:

The sanitation infrastructure at Aden city comprises 391 km sewer network, 65 sewage pumping stations 3 wastewater treatment plants, and 103,169 wastewater connections.

Aden Water and Sanitation Local Corporation (AWSLC), has more than 100 sewage pumps, part of them are Sulzer / ABS submersible sewage pumps. So, the AWSLC asked for assorted spare parts (Type: - Sulzer / ABS). This spare part will use by the AWSLC to repair the dysfunctional submersible sewage pumps at 11 sewage pumping stations

General

1. Ambient temperature Max. 50°C. Min 25°C.
2. Relative Humidity Max. 98°C Min 65°C.
3. Altitude: 100 meter ASL.

Scope:

Supply and delivering to AWSLC/warehouse of Spare parts for 11 wet-well submersible Sulzer sewage pumps according to their models and quantities that mentioned at BoQs.

Technical Specifications

Pumps Type: wet-well submersible pumps
Pumped fluid: Raw sewage
Operation: Continuous
Pump Make: ABS/SULZER

No	UNOPS <u>minimum</u> technical requirements		Pump Model	Is quotation compliant? Bidder to complete	Details of goods offered. Bidder to complete
	Item	Description			
1	Spare parts for ABS/Sulzer make Submersible Sewage Pumps.	Model	XFP 150E-CB1.2 PE90/4 E-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		Nr	GX7D1H222111211	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	0023700 - 918302	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
1.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model

					offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
1.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
1.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
1.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable

2	Spare parts for ABS/Sulzer make Submersible Sewage Pumps.	Model	XFP 150G-CB1.3 PE185/4 G-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		Nr	GXD21H321111232	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	0010120 - 928998	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
2.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
2.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
2.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and

					brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
2.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
3	Spare parts for ABS/Sulzer make Submersible Sewage Pumps	Model	XFP150G-CB1.3-PE160/4-G-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		Nr	GXD31H311111242	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	0006355 - 869873	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
3.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered,

					including specifications, picture, and brand/model offered if applicable
3.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
3.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
3.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
4	Spare parts for ABS/Sulzer make Submersible Sewage Pumps	Model	XFP150G-CB1.5-PE110/4-G-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model

					offered if applicable
		Nr	GXD51H521111232	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	0010124 - 929012	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
4.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
4.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
4.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable

		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
4.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
5	Spare parts for ABS/Sulzer make Submersible Sewage Pumps	Model	XFP100G-CB1.1 PE220/4 G-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		Nr	GX911H12111232	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	0010123 - 929009	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
5.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and

					brand/model offered if applicable
5.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
5.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
5.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
6	Spare parts for ABS/Sulzer make Submersible Sewage Pumps	Model	XFP100E-CB1.2-PE90/4-E-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable

		Nr	GX6D1H221111211	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	0025598 - 929014	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
6.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
6.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
6.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and

					brand/model offered if applicable
6.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
7	Spare parts for ABS/Sulzer make Submersible Sewage Pumps.	Model	XFP100E-CB1.2-PE90/4-E-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		Nr	GX6E111311111211	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	0017212 - 872215	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
7.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable

7.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
7.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
7.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
8	Spare parts for ABS/Sulzer make Submersible Sewage Pumps.	Model	XFP100E-CB1.5-PE40/4-E-50EX	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		Nr	GX6F1H521111211	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including

					specifications, picture, and brand/model offered if applicable
		S/N	0017212 - 872215	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
8.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
8.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
8.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications,

					picture, and brand/model offered if applicable
8.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
9	Spare parts for ABS/Sulzer make Submersible Sewage Pumps.	Model	XFP100E-CB1.1-PE90/4-E-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		Nr	GX6D1H121111211	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	0025592 - 929001	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
9.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable

9.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
9.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
9.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
10	Spare parts for ABS/Sulzer make Submersible Sewage Pumps.	Model	XFP81C-VX.2-PE30/2-C-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		Nr	GXGV12221111211	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered,

					including specifications, picture, and brand/model offered if applicable
		S/N	0026521 - 929030	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
10.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
10.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
10.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable

		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
10.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
11	Spare parts for ABS/Sulzer make Submersible Sewage Pumps.	Model	XFP100G-CB1.2-PE185/4-G-50EX	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		Nr	GX921H211111242	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	0006322 - 871464	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
11.1	Impeller	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications,

					picture, and brand/model offered if applicable
11.2	Repair kit	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
11.3	Stator	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
11.4	Cable	Model	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
		S/N	Bidder to state	<input type="checkbox"/> Yes <input type="checkbox"/> No	Insert details of goods offered, including specifications, picture, and brand/model offered if applicable
12	warranty One-year warranty for Spare parts of the ABS/Sulzer make Submersible Sewage Pumps			<input type="checkbox"/> Yes <input type="checkbox"/> No	Supplier to confirm

13	Other <ul style="list-style-type: none"> - Two operation and maintenance manuals. - Catalogues. - Two shop's services and parts manuals. 	<input type="checkbox"/> Yes <input type="checkbox"/> No	Supplier to confirm
14	Delivery : <ul style="list-style-type: none"> - Delivery time to the last destination below: warehouses of Aden Water and Sanitation Local Corporation (AWSLC), Aden. - DAP Delivery time within three months after the PO signature. <p>UNOPS has the right to do background check and confirm this option.</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Supplier to confirm
15	The supplier is responsible 100% for all import issues, customs clearance, transport, loading and offloading, and dealing with local authorities to ensure good delivery	<input type="checkbox"/> Yes <input type="checkbox"/> No	Supplier to confirm