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Bill of Quantities - Operation and Maintenance of Za'atari Camp Water and Wastewater Networks					
Section 5: Provisional Sum					
Item	**Description**	**Unit**	**Total Units**	**Unit Rate (JOD)**	**Amount (JOD)**
1	**Wastewater Network**				
a	**Replacement of 100mm Corrugated HDPE Pipes (internal diameter):** supply and install High Density Polyethylene Corrugated Pipes according to (EN 13476), jointing with integrated ribbed socket and EPDM sealing ring, and any fittings. Price shall also include excavation in all types of surfaces and any type of soil or rock, and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials outside the project, and all related works including site pressure test. price shall also include warning tape with ferrous Strip and all nedded manpower, resources and tools required to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	LM	0		-
b	**Replacement of 150mm Corrugated HDPE pipes (internal diameter):** Supply and install High Density Polyethylene Corrugated Pipes according to (EN 13476), jointing with integrated ribbed socket and EPDM sealing ring, and any fittings. Price shall also include excavation in all types of surfaces and any type of soil or rock, and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials outside the project, and all related works including site pressure test. price shall also include warning tape with ferrous Strip and all nedded manpower, resources and tools required to fulfill the job as shown in drawings, specifications and according to the client's instructions. **The breakdown must be provided with the financial proposal.**	LM	0		-
c	**Replacement of 300mm Courregated HDPE Pipes (internal diameter)**: Supply and install High Density Polyethylene Corrugated Pipes according to (EN 13476), jointing with integrated ribbed socket and EPDM sealing ring, and any fittings. Price shall also include excavation in all types of surfaces and any type of soil or rock, and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials outside the project, and all related works including site pressure test. price shall also include warning tape with ferrous Strip and all nedded manpower, resources and tools required to fulfill the job as shown in drawings, specifications and according to the client's instructions. **The breakdown must be provided with the financial proposal.**	LM	0		-
d	**Cleaning of PRC Tanks:** clean 2-4 m3 pre-cast concrete tanks by removing thick sludge layer, debris, rubbish in both tank's chambers. Price shall also include exavation to expose tank's access covers, special desludging trucks for thick sludge removal, disposing to official landfill (preferable **Al Akaider WWTP)** and all other needed manpower, resources and tools required to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		-
e	**Cleaning of PRC Tanks:** clean 8 m3 pre-cast concrete tanks by removing thick sludge layer, debris, rubbish in both tank's chambers. Price shall also include exavation to expose tank's access covers, special desludging trucks for thick sludge removal, disposing to official landfill (preferable **Al Akaider WWTP)** and all other needed manpower, resources and tools required to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		
f	**Installation of 8m3 PRC Tanks:** install new PRC tank from UNICEF warehouse. Price shall include moving PRC tanks from the warehouse, exavation in all types of surfaces and any type of soil or rock and at any debth, bedding, backfilling, reinstatement, cleaning and connectin to the exesting wastewater network, removing surplus materials, fitting installation and all needed manpower, resources and tools required to fullfil the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		
g	**Installation of 4m3 PRC Tanks:** install new PRC tank from UNICEF warehouse. Price shall include moving PRC tanks from the warehouse, exavation in all types of surfaces and any type of soil or rock and at any debth, bedding, backfilling, reinstatement, cleaning and connectin to the exesting wastewater network, removing surplus materials, fitting installation and all needed manpower, resources and tools required to fullfil the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		-
h	**Repair (Replacement) of 315mm Motorized Knife Gate Valves:** Supply, transport and Install 315mm Motorized knife gate valve including couplings, adaptors, dismantling joints, stem extensions, fittings necessary to complete the work properly and all needed manpower, resources and tools required to fulfill the job as per the technical sepcifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		-
Item	**Replacement of Submersible Pumps for Sewage Lifting Station**: supply, transport and install single stage submersible pump of 475.2m3/h flow and 19.5m head complete with Floats, guide rail, quick connection flange, control panel, alarm system, electrical connection, and all required manpower, resources and tools required to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		-
j	**Pre-cast concrete Ring:** supply and installation of a pre-cast Ring 90 x 30 on site between the caravans and as needed.	no.	0		-
k	**Pre-cast concrete Ring:** supply and installation of a pre-cast Ring 75 x 30 on site between the caravans and as needed.	no.	0		-
l	**Pre-cast concrete Ring:** supply and installation of a pre-cast Ring 60 x 30 on site between the caravans and as needed.	no.	0		-

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Bill of Quantities - Operation and Maintenance of Za'atari Camp Water and Wastewater Networks					
Section 5: Provisional Sum					
Item	**Description**	**Unit**	**Total Units**	**Unit Rate (JOD)**	**Amount (JOD)**
m	**Pre-cast Concrete manhole cover:** supply and installation of a pre-cast concrete manhole cover 60 x 15 on site between the caravans and as needed.	no.	0		-
n	**UPVC Ventilation Pipe for PRC Tanks:** Supply and installation of a UPVC 1.5 MLvent pipe of 150mm, 16 bar diameter Including supply, transportation and handling of all pipes, fittings and accessories and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials and all related works and enclosed at the top in a heavy duty plastic mesh cover. **The breakdown must be provided with the financial proposal.**	no.	0		-
o	**Ductile Ventilation Pipe for PRC Tanks:** Supply and installation of a ductile 1.5 MLvent pipe of 150mm, 16 bar diameter Including supply, transportation and handling of all pipes, fittings and accessories and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials and all related works and enclosed at the top in a metal mesh cover. **The breakdown must be provided with the financial proposal.**	no.	0		-
p	**Repair (Replacement) areation systems at PSs:** The price includes the supply, installation, and replacement of all necessary equipment, machinery, and spare parts for the ventilation systems in the sewage treatment plants. The price also includes all labor and manufacturing costs, as well as any maintenance costs associated with these systems.**The breakdown must be provided with the financial proposal.**	L.S	0		

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Bill of Quantities - Operation and Maintenance of Za'atari Camp Water and Wastewater Networks					
Section 5: Provisional Sum					
Item	**Description**	**Unit**	**Total Units**	**Unit Rate (JOD)**	**Amount (JOD)**
2	**Water Network**				
a	**Standby Trucking :** Provision of standby water trucks of (10 or 20) m3 volume to work on addressing all daily water supply complaints between 6:00 am to 6:00 pm. The truck will work inside the camp to take water from internal boreohles to households inside the camp as per the daily complaints sheet. The truck will have to distribute (20-100) m3 in cold weathers and (60-250) m3 in hot weathers or as needed every day and should follow all national roles and regulations of water trucking. The price shall also include all monitoring, staffing, Drivers, water fillers, and all needed resources to fulfil the tasks as per the annexed O&M manuals and according to the Water Quality Standards.**The breakdown must be provided with the financial proposal.**	m3	0		-
b	**Standby Trucking :** Provision of standby water trucks of (10 or 20) m3 volume to work on addressing all daily water supply complaints between 6:00 am to 6:00 pm. The truck will work inside the camp to take water from external boreohles to households inside the camp as per the daily complaints sheet. The truck will have to distribute (20-100) m3 in cold weathers and (60-250) m3 in hot weathers or as needed every day and should follow all national roles and regulations of water trucking. The price shall also include all monitoring, staffing, Drivers, water fillers, and all needed resources to fulfil the tasks as per the annexed O&M manuals and according to the Water Quality Standards.**The breakdown must be provided with the financial proposal. same as above point (number of trips can be completed in one day, I guss for external sources might be 5-8 trips/day**	m3	0		
c	**Standby Trucking :** Provision of standby water trucks to work on addressing all daily water supply demand. The truck will provide water from external boreohles to WPSs inside the camp as per the daily demand between 6:00 am to 6:00 pm. The price shall also include all monitoring, staffing, Drivers, water fillers, and all needed resources to fulfil the tasks as per the annexed O&M manuals and according to the Water Quality Standards.**The breakdown must be provided with the financial proposal.**	m3	0		
d	**Boreholes pump pull-up:** Testing and inspection for the submerisble pump at each borehole including taking the pump out, inspection of all electrical and mechanical parts, riser pipes and all related cables, return the pump to the setting level. The price shall also include all tests, inspections, reprots to fulfil the tasks within no longer than 24 hours including all needed logestics and arrangments. A full report for inspection, results, and recommendations, will be submitted to UNICEF. **The breakdown must be provided with the financial proposal.**	L.S	0		
e	**Replacement of Submersible Pumps:** supply, transport and install multible-stage submersible pump with 75 max. flow and head up to 550m complete with panel, alarm system, electrical connection. price shall include lifting-up the exicting pump, fixing the new pump and reinstall it to the agreed setting level and all required manpower, resources and tools required to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		-
f	**Replacement of Motors of Submersible Pumps:** supply, transport and install new motor of 92 KW with all electrical connection. price shall include all required manpower, resources and tools required to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		-
g	**Replacement of T95 Tanks Rubber Liners:** install EBDM rubber liner from UNICEF Warehouse for the T95 tanks including dismantiling the tank's roof top, liner fixation and fixing the roof top. Price shall include and all nedded manpower, resources and tools required to fulfill the job as per the technical sepficiations and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		-
h	**Installation of T95 Tanks**: install new T95 storage tank from UNICEF warehouse including ground leveling, Galvanised courregated sheets erection, rubber liner installation and roof top fixation. Price shall also include installation of all needed fittings, gate valves, blind flanges, piping between the tanks with 3" pipes diameter and all needed manpower, resources and tools required to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	0		-
i	**Replacement of 100mm DI Pipes:** replace ductile iron pipes of 100 mm diameter Including supply, transportation and handling of all pipes, fittings and accessories (including all types of bends, adaptors, collars, tees, couplings, reducers, blind flanges, dismantling joints...etc.) and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials and all related works including site testing, flushing and disinfection. Price shall also include warning tape with ferrous Strip, all work will have to be implemented as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	LM	0		-
j	**Replacement of 150mm DI Pipes:** replace ductile iron pipes of 150mm diameter Including supply, transportation and handling of all pipes, fittings and accessories (including all types of bends, adaptors, collars, tees, couplings, reducers, blind flanges, dismantling joints...etc.) and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials and all related works including site testing, flushing and disinfection. price shall also include warning tape with ferrous Strip, all as shown in drawings, specifications and according to the client's instructions. **The breakdown must be provided with the financial proposal.**	LM	0		-

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Bill of Quantities - Operation and Maintenance of Za'atari Camp Water and Wastewater Networks					
Section 5: Provisional Sum					
Item	**Description**	**Unit**	**Total Units**	**Unit Rate (JOD)**	**Amount (JOD)**
k	**Replacement of 125mm HDPE pipe**: Supply and Installation of HDPE Pipes (PE100), working pressure 16 Bar, Including supply, storage, transportation and handling of all pipes, fittings and accessories (including all types of bends, adaptors, collars, tees, flexible couplings, reducers, blind flanges, dismantling joints...etc.), jointing materials and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock, and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials outside the project, and all related works including site testing, flushing and disinfection. price shall also include warning tape with ferrous Strip, all works will have to be implemented as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	LM	0		-
l	**Replacement of 180mm HDPE Pipe**: Supply and Installation of HDPE Pipes (PE100), working pressure 16 Bar, Including supply, storage, transportation and handling of all pipes, fittings and accessories (including all types of bends, adaptors, collars, tees, flexible couplings, reducers, blind flanges, dismantling joints...etc.), jointing materials and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock, and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials outside the project, and all related works including site testing, flushing and disinfection. price shall also include warning tape with ferrous Strip, all works will have to be implemented as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	LM	0		-
m	**Repair (Replacement) of 250mm HDPE Pipe**: Supply and Installation of HDPE Pipes (PE100), working pressure 16 Bar, Including transportation and handling of all pipes, fittings and accessories (including all types of bends, adaptors, collars, tees, flexible couplings, reducers, blind flanges, dismantling joints...etc.), jointing materials and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock, and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials outside the project, and all related works including site testing, flushing and disinfection. price shall also include warning tape with ferrous Strip, all works will have to be implemented as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	LM	0		-
n	**Installation of 32mm HDPE Pipes:** Supply and Installation of HDPE Pipes (PE100), working pressure 16 Bar, Including transportation and handling of all pipes, fittings and accessories (including all types of bends, adaptors, collars, tees, flexible couplings, reducers, blind flanges, dismantling joints...etc.), jointing materials and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock, and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials outside the project, and all related works including site testing, flushing and disinfection. price shall also include warning tape with ferrous Strip. Scope shall include all needed man-power, resources and tools required to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	LM	0		-
o	**Installation of 25mm HDPE Pipes** Supply and Installation of HDPE Pipes (PE100), working pressure 16 Bar, Including transportation and handling of all pipes, fittings and accessories (including all types of bends, adaptors, collars, tees, flexible couplings, reducers, blind flanges, dismantling joints...etc.), jointing materials and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock, and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials outside the project, and all related works including site testing, flushing and disinfection. price shall also include warning tape with ferrous Strip and all nedded manpower, resources and tools required to fulfill the job as shown in drawings, specifications and according to the client's instructions. **The breakdown must be provided with the financial proposal.**	LM	0		-
p	**Installation of 63mm HDPE Pipes:** Supply and installation of HDPE Pipes (PE100), working pressure 16 Bar, including transportation and handling of all pipes, fittings and accessories (including all types of bends, adaptors, collars, tees, flexible couplings, reducers, blind flanges, dismantling joints...etc.), jointing materials and all other materials required. Price shall also include excavation in all types of surfaces and any type of soil or rock, and at any depth, backfilling, bedding, reinstatement, cleaning, and removing surplus materials outside the project, and all related works including site testing, flushing and disinfection. Price shall also include warning tape with ferrous Stripall, all works will have to be implemented as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	LM	0		-
q	**Installation of Submersible Pump's Power Cable:** Supply, transport and install power cable for the boreholes submersible pumps 3X150F C/V/V/V 600/1000V FLAT IEC BL MTR. Price shall also include, pump lifting, cable fixation, pump installing to the setting level and all needed manpower, resources and tools require to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	LM	0		-
r	**Replacement of 100mm Motorized Butterfly Valve:** Supply, transport and Install 100mm Motorized Butterfly valve including couplings, adaptors, dismantling joints, stem extensions, fittings necessary to complete the work properly and all needed manpower, resources and tools required to fulfill the job as per the technical specifications and O&M manuals. **The breakdown must be provided with the financial proposal.**	no.	1		-

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Bill of Quantities - Operation and Maintenance of Za'atari Camp Water and Wastewater Networks					
Section 5: Provisional Sum					
Item	**Description**	**Unit**	**Total Units**	**Unit Rate (JOD)**	**Amount (JOD)**
s	**Construction of a New Water Pumping Station (as detailed in Annex - 1):** construction, supply, and installation of all materials required to establish the water pumping station as outlined in Annex - 1 (BoQ & drawings). This includes: Civil Works: Construction of the pump room, fencing, and all associated structural works. Mechanical Works: Supply and installation of pumps, all necessary piping, fittings, and mechanical components. Electrical Works: Supply and installation of electrical panels, internal and external wiring, and all connections necessary for the station's operation. Instrumentation and Monitoring: Installation of flow meters and all other equipment required for monitoring and controlling the station's performance.	no.	1		-
3	**Stock management**				
a	Provision of a qualified and sufficient team to manage daily warehouse operations, including the supply and withdrawal of all water parts, sewage parts, and other stored materials. The team shall ensure: Accurate and timely recording of all warehouse movements, with the submission of a full monthly report and Immediate action to restock approaching low materials to avoid shortages, following the agreed standard and 24/7 security presence to safeguard the warehouse premises, equipment, CCTV systems, fencing, and all related assets and Continuous monitoring and maintenance to ensure the safety, integrity, and operational readiness of the warehouse at all times.**The breakdown must be provided with the financial proposal.**	L.S	1		0
4	**Contingency Budget Line**				**20.000**
Total Amount in JOD for Section 6: Water and Wastewater Networks Provisional Sum					#REF!