

Annex D
PR22-07-009 Water Trucking Tender

All requirements listed below must be met throughout the duration of the framework agreement:

1. Water Source

1.1 Potable water must be delivered from approved designated boreholes only. No water from agricultural ponds or other unprotected sources may be used to supply water.

1.2 The contractor must provide a water quality test (bacteriological, physical, and chemical parameters) from a certified laboratory and the specific location and coordinates of the borehole. A SPRY representative must verify and approve the water quality and location of the borehole before it may be used.

2. Water Quality

2.1 Water supplied by the contractor must fulfill all World Health Organization water quality standards.

2.2 The contractor will chlorinate the water to reach a free residual chlorine (FRC) level of 0.5-0.8 mg/L at the point of delivery. Water must be chlorinated before arrival, preferably with High Test Hypochlorite. Any alternatives must be approved by a SPRY representative. Chlorine must be added while filling the truck, and there must be a minimum of 30 minutes of contact time between chlorine addition and water consumption. Dosing will be adjusted per location, based on FRC residuals at the distribution point and at the household. All changes to dosing must be approved by SPRY.

2.3 The FRC levels or any other water quality parameters may be changed upon request from a SPRY representative. Changes will be communicated in writing or email and shall be implemented directly. All changes will be based on requirements from Ministry of Water/LWSC, MoH, WHO or other coordinating bodies.

3. Water Quantity

3.1 SPRY may increase or decrease the volume of water supplied. All changes in the quantities will be communicated in writing or by email. The contractor must follow the request and supply the necessary quantities within 24 hours.

3.2 Any additional water quantities delivered that exceed the agreed upon quantities will not be paid.

4. Water Delivery

Prior to signing the contract, the contractor must provide a list of all trucks to be used including the driver's details as listed below. If the contractor intends to change or add trucks or drivers, the contractor must inform SPRY at least 3 working days in advance and provide all necessary documentation for SPRY's review and approval.

4.1 All water trucks must provide the following valid documents throughout the duration of the framework agreement:

4.1.1 Truck license

4.1.2 Authorization from the Yemen government to sell potable water

4.1.3 Official document indicating the volume of the truck

4.2 All water truck drivers must provide the following valid documents throughout the duration of the framework agreement:

4.2.1 Valid driver's license

4.2.2 Truck driver name

4.2.3 Truck driver ID number

4.2.4 Truck driver telephone number

4.3 Water trucks on the master list are not allowed to load water from agricultural ponds or other non-potable water sources during the entire duration of the contract. This rule must also be applied outside working hours.

4.4 The contractor is responsible to clean and disinfect the water truck tanks every month. The contractor must furnish SPRY with the evidence of completion each month. The tank, hoses, nozzles, and other equipment must be spotlessly clean, and free from rust, mold, scum and sediment.

Cleaning Procedure (From UNHCR):

1. Completely drain the water tank.
2. Scrub the interior of the water container with soap (e.g. household washing powder) and warm water using a stiff brush or high pressure hose (if available). All rust, sediment, biofilm and scum should be removed. Hoses and pumps should also be filled with soap and warm water.
3. Flush the tank, hoses and pump with clean water to remove all traces of soap.
4. Fill the tank to at least half of its total capacity with potable water.
5. Add sufficient chlorine (HTH) to the tank to achieve a dosage of 50ppm when the tank is full. The HTH should be mixed into a bucket of water before adding to the main tank.
6. Fill the water tank to its maximum capacity with potable water and close the lid.
7. Disinfect hoses and pumping equipment by running chlorinated water through them & closing the valves.
8. Leave the chlorinated water in the tank and in the associated hoses and pumping equipment overnight for a minimum of 12 hours to allow adequate contact time for disinfection.
9. After disinfection, drain the chlorinated water from the tank and associated piping and equipment, and thoroughly rinse the system with drinking water.
10. Dispose of the heavily chlorinated water into a drain and rinse water appropriately. Chlorinated water should never be disposed in rivers or ponds as the high chlorine levels are likely to kill fish and plant life.

4.5 The contractor must ensure that all hoses, nozzles, pumps, and other equipment remain clean during transportation. Hoses should be stored in a sealed container when not in use. They should not be allowed to come in contact with the ground during loading and offloading, and should be flushed with source water in between uses. Hose nozzles should be cleaned and sanitized daily using a 100mg/L chlorine solution. If a hose falls on the ground or otherwise becomes contaminated it should be immediately disinfected.



4.6 All trucks must be adequately maintained. SPRY reserves the right to conduct unannounced spot checks on the condition of the trucks. If a truck is found in an unsatisfactory condition, SPRY may remove the truck from the master list until repairs have been carried out by the contractor. The truck condition must not endanger people, roads, buildings, water tanks or assets. Trucks must not rust or leak. Maintenance requested by SPRY shall be addressed by the contractor within three working days.

4.7 Prior to signing the contract, SPRY will measure the volume of the trucks and assess the condition.