

Chlorinated Drinking Water

Provision and distribution of drinking chlorinated water shall be under the following specifications:

Item	Criteria	Requirements
Drinking chlorinated water	Source	Provide water from boreholes that have undergone a complete bacteriological and chemical water analysis from a certified laboratory. The certified laboratory will be LARI, the results must not be older than six months. Approved by Action Against Hunger boreholes can be used only.
	Depth of well	Minimum 100 meters
	Distance from water source to the location of water distribution	Maximum 40 kilometers
	Capacity of well	Enough for the whole period of the contract - 12 months
	Level of residual chlorine	According to the relevant Free Residual Chlorine standards (between 0.3 and 0.9 mg/l)
	Material to be used for water chlorination	Calcium Hypochlorite 73%
Water truck	Capacity of water tank	Minimum 4 000 liters (4 m3)
	Condition of water tank	<ul style="list-style-type: none"> - Not to contain any impurities (like small parts, sand, etc.). - Without rust. - Not used for other purposes apart from drinking water trucking. - Clean pipes, appropriate pumps. <p>Approved by Action Against Hunger water trucks can be used only.</p>
	Condition of fleet	Shall be able to reach the delivery points at any season
	Equipment installed	<ul style="list-style-type: none"> - Pump - Pipes (average length - 100 m with possibility of extension) - A mechanical flow meter (counter) on the distributor truck. The number shall be clear and easy to read by the right holder and the monitoring team. <p>. The cost of the flow meter and its installations service shall be fully covered by the supplier.</p>

	Driver	<ul style="list-style-type: none"> - Minimum 3 years' experience as a professional driver - 24 years of age or older
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Implementation procedure:

- Suppliers receive distribution plan from AAH according to the number of beneficiaries in each site and quantity released/ individual/ day.
- The technical team and supplier discuss together the plan to ensure that the service is provided in a continuous manner taking into consideration the beneficiaries availability.
- Suppliers start providing the service in filling the tanks in the ITSs and collect the signature on the daily monitoring sheets from each of the beneficiaries.
- Suppliers are obliged to use the water sources that were technically approved by AAH technical team and tested in certified labs.
- Community mobilisers and focal points monitor the service delivery, quality of water through testing the level of residual.
- Regarding the centralized systems, where the water trucking service is provided for a centralized water tank, representatives from the community (Shawish, WASH Committee, Active Volunteers) follow up on the service reception and signs the daily monitoring sheets.
- Random yet regular spot check quality tests for the trucks water quality using pool testers.
- AAH team might follow up on GPS tracking system to monitor the tankers and ensure usage of agreed water sources and delivering water according to the agreed plan.
- Water quality is monitored according to AAH water quality monitoring protocol that abides to UNICEF recommendations and WHO standards.
- Suppliers share daily monitoring sheet with WaSH team.
- AAH WaSH team visit the ITS and meet a sample of the community on weekly basis to ask them about the delivered service.

Appendix 2 Pricing matrix

Price per m3 (cubic meter) of chlorinated water should include materials, transportation, maintenance, labour, are deemed to include all taxes and applicable fees and should be the same for all delivery points inside the lot geographical area.

Desludging Services

Appendix 1 Technical Specifications

Provision desludging service shall be under the following technical specifications:

Item	Description	Requirements
Service	Desludging	Sewage and sediments shall be removed from the bottom of the septic tank/ pit.
Disposal site	Location of disposal site	Sewage should be disposed of in an official disposal site, without overloading it on its holding and/or treatment capacity. Such disposal site would be agreed with the municipalities/Bekaa Water Establishment (BWE) The supplier bares full responsibility on obtaining official approvals from the required authorities for the disposal sites.
	Distance from disposable site to the location of desludging activities	Maximum 70 kilometers
	Authorization	Availability of a legal document proving that the supplier can use the manhole/WWTP signed with the Municipality or the Water Establishment or any official agreement
	Fees	The municipalities of Baalbek – Hermel and/or the Bekaa Water Establishment will charge the correspondent fees to the supplier for the use of the disposal sites /agreement between BWE and INGO should be respected and follows
	Usage of the approved manholes/ WWTP	For disposing the sludge removed from ITS only
Truck	Equipment	Pipes Pump
	Capacity of a truck	Minimum 8 m3 AAH reserves the right to request the supplier to prove the weight of the truck (full and empty), as its own expenses, upon AAH supervision
	Condition of fleet	Shall be able to reach the delivery points at any season
	Condition of the tank	Periodic proper cleaning and disinfecting of tanks and pipes of the truck
	Usage of the truck	No other purposes apart from desludging

Implementation procedure:

- Contracted suppliers will receive a distribution plan from AAH according for the quantities that should be dislodged from each site on monthly basis.
- The AAH WASH team and supplier discuss together the plan to ensure that the service is provided in a continuous manner taking into consideration the beneficiaries availability.
- Suppliers start providing the service on daily basis and collect the signature on the daily monitoring sheets from each of the beneficiaries.
- Community mobilisers and focal points monitor the service delivery.
- Regarding the centralized systems, where the desludging service is provided for a centralized blackwater pit, representatives from the community (Shawish, WASH Committee, Active Volunteers) follow up on the service reception and signs the daily monitoring sheets.
- Random yet regular spot check by the AAH WASH team are conducted to monitor the service.
- AAH technical team might follow up on GPS tracking system to confirm that all desludging trucks go to the agreed disposal site.
- Suppliers share daily monitoring sheet with AAH WASH team.
- AAH WASH team visit the ITS and meet a sample of the community on weekly basis to ask them about the delivered service.

Appendix 2 List of services and pricing matrix

Price per m³ (cubic meter) of sewage should include removing sludge and/or sediments by draining it from septic tanks to a truck tank and the correct disposal in appropriate areas, materials, transportation, maintenance, labour, are deemed to include all taxes and applicable fees and should be the same for all delivery points inside the lot geographical area.