

Quality Control Plan

- Activities to be monitored by Mercy Corps and the supplier

#	Services	Testing Method (Lab Test, Visual, Certificate...)	Target Value	Performed / Reviewed by:
1	Provision of potable water through water trucking	<p>-Physical verification</p> <p>- Field test</p>	<p>- Use water trucks in good working condition, should be originally used for water delivery, and have a capacity of at least 5 m3, in-built water delivery pump in a fully functional condition, and appropriate lengths of new hose pipeline (minimum 15m) or more to serve the sites different needs</p> <p>- Regular flushing/ jet washing of all water tanks on a periodic basis (e.g. bi-monthly basis) in specified locations according to Mercy Corps' instruction and the relevant Directorates of Water inspection routines</p> <p>-Drinking Water:</p> <p>Mercy Corps will only accept water quality with FRC level between 0.2mg/liter to 0.5mg/liter and pH: 6.5-8.5 at point of use (consumer), and Turbidity of <u>1 NTU or less. However, Mercy Corps may accept NTU less than 5 NTU in some cases or specified locations</u></p> <p>-Domestic Water type-A:</p> <p>Mercy Corps will accept quality of water used for domestic as per the following minimum standards:</p> <p>Color (TCU): ≤10 TCU</p> <p>Odor: Non objectionable</p> <p>Taste: Non objectionable</p> <p>Coliform: 0 CFU/100ml at point of delivery (unchlorinated water)</p> <p>Free Residual Chlorine: ≥0.2–2mg/l at point of delivery (chlorinated water)</p> <p><u>Turbidity: less than 10 NTU</u></p> <p>pH: 6.5-8.5</p> <p>-Domestic Water type-B:</p>	WASH team

		Lab Test	<p>Mercy Corps will accept quality of water used for domestic as per the following minimum standards:</p> <p>Color (TCU): ≤ 20 TCU</p> <p>Odor: Non objectionable</p> <p>Taste: Non objectionable</p> <p>Coliform: 0 CFU/100ml at point of delivery (unchlorinated water)</p> <p>Free Residual Chlorine: ≥ 0.2–2mg/l at point of delivery (chlorinated water)</p> <p><u>Turbidity: less than 20 NTU</u></p> <p>pH: 6.5-8.5</p> <p>The supplier to submit a bacteriological test with an invoice of Frequency: 1 time per week per assigned location</p> <p>Bacteriological Tests not limited to:-</p> <ol style="list-style-type: none"> 1.Total Coliform.at point of delivery 2.Fecal Coliform.at point of delivery 3.E.Coli. 4.Color (TCU) 5.Odour 6.Taste - 7.Free Residual Chlorine at point of delivery. 8.Turbidity <p>The test to be produced in a Report form with an invoice, with a weekly frequency.</p>	Supplier
2	Desludging of emergency feces containment	- Physical verification	<p>- Using Desludging trucks in good working condition, have capacity of at least 5 cubic meter (m3) with fully functioning mechanical systems, and filling indicator with sufficient fuel to carry out the entire service, and have built-in suction pump in fully functional condition and appropriate lengths of suction pipeline (minimum 10m) all parts should be sufficient to pump-out cesspools and septic tanks as per the site different needs.</p>	<p>WASH Team</p> <p>Supplier</p>

			Also Provide all manpower (drivers, workers, etc..) needed to complete the services as required according to Mercy Corps' instruction.	
3	De-blocking services	Physical check	<p>- Using proper water/air jetting trucks wherever required, the water jetting truck must be equipped with a proper new hose and free of holes, the sewers de-blocking must be processed by a technician who is equipped with proper PPE (Filtration mask, gumboot, water resistant gown and gloves and goggles) to ensure no liquid would leak into the technician body.</p> <p>- if the condition of trucks, couldn't be fulfilled, the contractor is responsible to perform the sewers de-blocking using manpower who is equipped with the proper tools (pipe clearing steel rods,with threaded head), the handy man must be fully protected against the contact with the sewage drops by the proper PPE as (Filtration mask, gumboot, water resistant gown and gloves and goggles) to ensure no liquid would leak into the technician body.</p> <p>- The blockages must be unclogged fully during a presence of Mercy Corps supervisor to ensure proper description of the infrastructure prior the service and the type of de-blocking required.</p>	

4.	Solid Waste Management (SWM) by using compactors	<p>- Physical verification</p> <p>Physical verification</p>	<p>Use a waste compactor in good working condition, have capacity at least 3 cubic meter (m3) with fully functioning mechanical systems, quantity loading indicator including compacting capabilities, with sufficient fuel to carry out the entire service, and closed sides, not exposed openings.</p> <p>Provide all manpower (drivers, 2 workers) needed to complete the services as required according to Mercy Corps' instruction.</p> <p>Mandatory requirement of geo tagging. Contractor will use their own mobile phones to fill information in the digital form and Mercy Corps will be able to track location, vehicle number, and contractor staff. In addition, Mercy Corps will conduct surprise visits to ensure trucks are disposing waste at selected sites</p>	<p>WASH Team</p> <p>Supplier</p>
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5	Solid Waste Management by using Trucks	-Physical verification - Physical verification	- Use waste trucks in good working condition, capacity at least 4 cubic meter (m3), have closed sides, not exposed openings. Provide all manpower (drivers, 2 workers.) needed to complete the services as required according to Mercy Corps' instruction. Mandatory requirement of geo tagging. Contractor will use their own mobile phones to fill information in the digital form and Mercy Corps will be able to track location, vehicle number, and contractor staff. In addition, Mercy Corps will conduct surprise visits to ensure trucks are disposing waste at selected sites	WASH team Supplier
6	Solid Waste collectors.	-Physical verification - Attendance sheet.	- Collect solid waste from streets, public areas, and communal/ household bins, and waste materials in the immediate vicinity of the garbage bins in the collection points, and scattered waste; Dumping all solid waste at communal waste bins; or any assembly points and loading all the solid waste in to trucks. - age 18 years or above; Residence in the same location of the solid waste management, gender balanced preferred, by IDP, returnee, or host community. - Work 6 hours per day (08:00 AM - 15:00 PM) with a one-hour lunch break from 12:00 pm to 13:00 pm. or Mercy Corps field satisfactory. All labors to be supported by appropriate PPE, visibility, shovels, if required.	WASH Team

7	Decommissioning	<p>-Physical verification</p> <p>-Physical verification</p>	<p>Using of proper manpower, machinery that are site worthy. And all works to be conducted in accordance of the SoW, and with the presence of MC. And provide work plan also a daily progress report.</p> <p>The Provider should assign a technician/monitor to assist the decommissioning process, ensure full PPE and safety. and coordinate with Mercy Corps supervisor.</p> <p>Providing daily situation updates, through progress tracking, inspection of new materials to assist the decommissioning (e.g. sand, backfilling, transportation), volume of work will be determined by units, or by final volume of actual measurements</p>	<p>Supplier</p> <p>WASH Team</p>
8	Disinfection works	<p>- Verification of materials</p> <p>-Physical verification</p>	<p>Providing the works should be in accordance with the approved disinfectants by the concerned directory, tools, and storage should not burden the facility' routines. Should assign a technician/monitor to assist the disinfection process and coordinate with Mercy Corps supervisor.</p> <p>Ensuring all disinfectants are certified by the government, stakeholders, and track effectiveness on a daily basis, ensuring the process is in accordance with the SoW for disinfecting WASH facilities, and Health facilities.</p>	<p>Supplier</p> <p>WASH team</p>
<p>All reporting and monitoring of parameters, should be in-line with Mercy Corps methods e.g. Paper-based, or digital-based</p>				