**Scope of Work for Rehabilitation of 21 hand pumps in Gedaref State**

**Mercy corps- BHA program**

This scope of work was prepared to interdict to the type of activities that the contractor will take for the rehabilitation of a total of 21 boreholes in Al Fao, Al Rahad and Al Ghurisha localities in Gedaref State. The contractor(s) should follow this scope of work to complete the hand pumps rehabilitation projects.

1. The total of 21 hand pumps has different needs, based on the attached BOQs of each borehole and the contractor(s) may need to add additional spare’s part or fittings didn’t mention in the BOQs based on repair & maintenance of the hand pump required.
2. The contractor(s) should consider the labour cost and VAT% in his prices, also, removing all the part of the old hand pump and install the new one based on BOQs of each hand pump.
3. Site visit is mandatory for all the contractors who would wish to participate. This is to enable them physically to assess the hand pumps and get a better understanding of the kind of work that needs to be done.
4. Upon completion of the mandatory site visit, the contractor(s) will be required to write BOQs for all the materials and works required and submit to Mercy corps. The BOQs will be the basis of selection of a contractor for the rehabilitation project.
5. The contractor(s) will be required to personally manage the rehabilitation works. The contractor cannot leave the work to a Sub Contractor.
6. The contractor(s) will work with the supervision of Mercy corps –BHA engineer and has to involve the local WASH committees and pump mechanics from the start of the rehabilitation of each pump in order for the community to participate, feel ownership and take responsibility for the future repair and maintenance.
7. The contractor(s) has to show all the materials /parts he(she) is changing and rehabilitating on all the hand pumps to all WASH committees and pump mechanics for their future knowledge in purchasing the required spares and tools. Mercy corps’ Engineer is responsible to supervise the activities and make sure old and non-functional parts are not returned to the boreholes.
8. The contractor(s) has to provide the changed spare parts and tools to the community and take the picture of these spares and or videos of the changed spares parts and tools to Mercy corps as a proof of completion and satisfaction.
9. If the rehabilitation involves to a civil work, construction then, the contractor must make sure that all drainage and apron concrete works have to be under (MCE and WES Design Standard)
10. Together with the Mercy corps’ Engineer, show the final completion of rehabilitation work to the community (WASH committees and pump mechanics) then get the community leader signature and stamp on the Mercy corps handover format from the community leader/s.
11. The contractor(s) has to provide the final completion report backed up with photos and or videos as well as handover document to the MCE and WASH committee as mentioned in the above item number 6 as a proof of work completion and satisfaction before the final payment is made.
12. Encourage the community and WASH committees to participate in fencing the hand pumps while rehabilitating the hand pumps. This is not an obligation for the contractor but willingness to push the community to do so for their own benefit.
13. **Concrete work:**
14. Construct new reinforce Concrete slab with 2m diameter and 0.20m thickness, mix 1:3:6
15. Construct new drainage line within 5 to 10 m length width 0.15 m, 0.15 m high away from water pump area.
16. This work includes labor and materials (cement, sand, gravel, water) plus any necessary tools.
17. **Pump:**
18. Install pipes 1 ¼’’ of 3 m length galvanize,
19. Install of connection rod 3/8’’,
20. Hex Bolt +Nut +Washer +Chain,
21. Repair the head pump,
22. New Cylinder Assembly (complete),
23. New water tank with spout
24. Inspection cover
25. Pump handle assembly
26. Sealing Rings
27. Bearing, axle bolts and nuts
28. Pedestal

**Works should be done as per standard technical specifications, approved by MC engineer.**

**NB: Mercy corps reserves the right to award some or the entire rehabilitation works.**

**The contractor will be required to clean all the areas after completing the project from any construction materials or any other waste materials.**