Request for quotation for Water treatment system repair services

I. GENERAL INFORMATION:

The United States Embassy in Bujumbura, Burundi requires professional services and contractor cost proposals to repair one of the vertical turbine booster pump and rectification of noted design issues to lengthen the other pumps life.

II. PROJECT REQUIREMENTS:

DESCRIPTION OF EQUIPMENT *:

* see attachment at the end of this sheet for more details

III. GENERAL REQUIREMENTS:

The contractor will be responsible for labor and materials required to carry out all repairs and as outlined in this SOW.

IV. SCOPE OF WORK - - Triplex pump repair and modification of the distribution control system to lengthen the pump’s life.

The contractor shall provide all materials, supervision, labor, tools, and equipment to perform repairs. All personnel working in the vicinity shall wear and /or use safety protection while work is performed. Any questions or injuries shall be brought to the attention of the Post Occupation Safety and Health Officer (POSHO).

If any discrepancies are found with the triplex and duplex pump systems that are not covered under this scope of work, the contractor must provide the following:

1. Detailed report noting the discrepancy found.
2. Bill of Materials (BOM) to include component name, quantity, part #, and price for any repair material required and material lead-time.
At a **minimum**, the following work must be completed:

**Notes:**

- Contractor must submit to the Contracting Officer’s Representative (COR) for review, work sheet/checklist that will be used for performing maintenance service.
- COR must immediately be made aware of any conditions discovered that could result in equipment failure.
- Test and inspection report shall be submitted to the COR within three days of completing work.

**Repair Requirements**

- Repair and assemble one of the triplex pump. Then install it as per manufacturer’s recommendation in its original place.
- Air release valve on each pump. Vertical turbine pumps require these for proper operation. They cannot hold air in the column when they turn off, and need a means of releasing the air when they start up again. The pumps appear to be air locking on start up.
- Pressure relief valve to each pump. This will allow for a cooling water flow through the pumps when they are at little or no flow conditions.
- Rerouting of the hydro pneumatic tank pipe from inlet the side of the PRV to the outlet side. The hydro pneumatic tank serves to prevent the pumps from starting when there are only very small calls for water. The way that the hydro pneumatic tank is piped in is very unusual and seems to be preventing the tank from working. The contractor to reroute the piping of the tank to make it work.
- Adding minimum run time for each pump.
- All materials/parts to be used, tools and labor are to be provided by the contractor.
<table>
<thead>
<tr>
<th>Equipment</th>
<th>Manufacturer</th>
<th>Description</th>
<th>Part number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Triplex Booster pump</td>
<td>Hydroflo</td>
<td>7LH -- 9 Stage W/L VERTICAL TURBINE PUMP ASSEMBLY DESIGN: 90.1 GPM @ 188' TDH, 1475 RPM, 75.3% Efficient, 5.68 BHP, 18.00 Feet TPL (+/- 1.5&quot;)</td>
<td>7LH9C--14677--w</td>
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<tr>
<td>Duplex booster pump</td>
<td>Hydro flo</td>
<td>6LL -- 17 Stage W/L VERTICAL TURBINE PUMP ASSEMBLY DESIGN: 45 GPM @ 195' TDH, 1500 RPM,</td>
<td>6LL17C--14704--w</td>
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</tbody>
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Interested vendors should send their best prices to the below address:

US EMBASSY BUJUMBURA
50, AVENUE DES ETATS-UNIS
KIGOBE
BP.1720, BUJUMBURA
BURUNDI

Quotations are to be submitted by email to BujProcurement@state.gov by March 31, 2019.