# *ANNEX II + III:* TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

**Contract title: SUPPLY AND DELIVERY OF BUILDING SUPPLIES (HARDWARE AND LOCAL MATERIALS) FOR THE CONSTRUCTION OF WATER FOR LIVESTOCK PRODUCTION FACILITIES**

**. p 1 /…**

**Reference:** **MOBIP/SUPLS/2.6/2.6.2/T1SABM**

**Columns 1-2 should be completed by the contracting authority**

**Columns 3-4 should be completed by the tenderer**

**Column 5 is reserved for the evaluation committee**

Annex III - the contractor's technical offer

The tenderers are requested to complete the template on the next pages:

* Column 2 is completed by the contracting authority shows the required specifications (not to be modified by the tenderer),
* Column 3 is to be filled in by the tenderer and must detail what is offered (for example the words ‘compliant’ or ‘yes’ are not sufficient)
* Column 4 allows the tenderer to make comments on its proposed supply and to make eventual references to the documentation

The eventual documentation supplied should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offeredspecifications.

**Valley Tanks for Construction/Rehabilitation by MOBIP (Provision List)**

1. Luwero (Natyaaba VT. 20,000m3),
2. Mityana (Mpongo VT 20,000m3)
3. Nakasongola (KalungiVT 10,000m3),
4. Kiboga (Kateega VT 10,000m3).
5. Kiruhura (Rwendama VT 20,000m3),
6. Masaka (Kasange VT 20,000m3),
7. Kyotera (Kabano VT 20,000m3)
8. Mbarara (Nombe VT 10,000m3)
9. Kiryandongo (Kente VT 10,000m3)
10. Masindi (Myeeba VT 10,000m3) and
11. Lyantonde (Kanyogoga VT 10,000m3).
12. Butambala (Katabira VT 10,000m3),
13. Isingiro (Ntenga VT 20,000m3)
14. Sembabule (Lwera VT 20,000m3)
15. Kakumiro (Rwamadongo VT 20,000m3)

**Quantities required per VT – 20,000l and 10,000l**

| **Description** | **Unit** | **Unit qty for 20,000m3 VT.** | **Unit qty for 10,000m3 VT.** |
| --- | --- | --- | --- |
| 1. **Cattle Troughs construction** |  |  |  |
| Ordinary Portland Cement | Bags | 200 | 200 |
| 12mm reinforcement bars 12 m long for Strip’s foundation and general | pcs | 8 | 8 |
| 8mm reinforcement bars 12 m long | pcs | 20 | 20 |
| Binding wire | roll | 2 | 2 |
| Assorted nails | kg | 40 | 40 |
| 200x25mm timber pieces | pcs | 20 | 20 |
| 100x50mm timber pieces | pcs | 20 | 20 |
| 100x75mm timber pieces | pcs | 25 | 25 |
| Eucalyptus poles-6mlength | pcs | 30 | 30 |
| 20mm aggregate | tons | 1 | 1 |
| River sand | tons | 1 | 1 |
| Plaster sand (The sand for plaster work shall be in accordance with BS 1199: 1976 and BS 1200: 1976. It shall be clean and well graded to a suitable fineness in accordance with the nature of the plaster and the finish to be obtained). | tons | 1 | 1 |
| Hardcore | tons | 1 | 1 |
| BRC | No. | 4 | 4 |
| 1. **VIP construction** |  |  |  |
| Ordinary Portland Cement | Bags | 100 | 100 |
| 12mm reinforcement bars 12 m long for Strip’s foundation and general | pcs | 8 | 8 |
| 8mm reinforcement bars 12 m long | pcs | 10 | 10 |
| Binding wire | roll | 1 | 1 |
| Assorted nails | kg | 20 | 20 |
| 1200x2100mm Purpose made steel casement Doors and Windows manufactured from standard strong Z sections: manufacture, assemble and deliver to site; Supply and fix ironmongery comprising approved hinges, stays, fasteners to opening lights: frames drilled, plugged and screwed or built into walling and prepare prime and apply one coat red oxide primer before delivery. | No | 1 | 1 |
| 200x25mm timber pieces | pcs | 20 | 20 |
| 100x50mm timber pieces | pcs | 20 | 20 |
| 100x75mm timber pieces | pcs | 25 | 25 |
| Eucalyptus poles-6mlength | pcs | 30 | 30 |
| 20mm aggregate | tons | 2 | 2 |
| River sand | tons | 2 | 2 |
| Plaster sand (The sand for plaster work shall be in accordance with BS 1199: 1976 and BS 1200: 1976. It shall be clean and well graded to a suitable fineness in accordance with the nature of the plaster and the finish to be obtained). | tons | 2 | 2 |
| Hardcore | tons | 2 | 2 |
| Solid concrete blocks (machine made, solid or hollow as specified, and comply with BS 6073, work other than internal non-load bearing partitions which may be of blocks in accordance with Type C) | No | 1,000 | 1,000 |
| BRC | No. | 1 | 1 |
| Hoop irons | Roll | 2 | 2 |
| Under Coat Paint | litres | 20 | 20 |
| Weather guard emulsion paint | litres | 20 | 20 |
| High gloss paint | litres | 10 | 10 |
| 1. **Pump house construction** |  |  |  |
| Ordinary Portland Cement | Bags | 100 | 100 |
| 12mm reinforcement bars 12 m long for Strip’s foundation and general | pcs | 16 | 16 |
| 8mm reinforcement bars 12 m long | pcs | 20 | 20 |
| Binding wire | roll | 1 | 1 |
| Nails-assorted | kg | 20 | 20 |
| 1200x2100mm Purpose made steel casement Doors and Windows manufactured from standard strong Z sections: manufacture, assemble and deliver to site; Supply and fix ironmongery comprising approved hinges, stays, fasteners to opening lights: frames drilled, plugged and screwed or built into walling and prepare prime and apply one coat red oxide primer before delivery. | No | 2 | 2 |
| 200x25mm timber pieces | pcs | 20 | 20 |
| 100x50mm timber pieces | pcs | 20 | 20 |
| 100x75mm timber pieces | pcs | 25 | 25 |
| 20mm aggregate | tons | 5 | 5 |
| River sand | tons | 6 | 6 |
| Plaster sand (The sand for plaster work shall be in accordance with BS 1199: 1976 and BS 1200: 1976. It shall be clean and well graded to a suitable fineness in accordance with the nature of the plaster and the finish to be obtained). | tons | 5 | 5 |
| Hardcore | tons | 5 | 5 |
| Solid concrete blocks (machine made, solid or hollow as specified, and comply with BS 6073, work other than internal non-load bearing partitions which may be of blocks in accordance with Type C.) | No | 1,000 | 1,000 |
| BRC | No. | 2 | 2 |
| Hoop iron | Roll | 2 | 2 |
| Under Coat Paint | litres | 20 | 20 |
| Weather guard emulsion paint | litres | 20 | 20 |
| High gloss paint | litres | 10 | 10 |
| 1. **Overhead water storage & structure** |  |  |  |
| HDPE Vertical storage Tanks |  |  |  |
| 10,000 ltrs | Unit | 6 | 6 |
| I-beam frame tank stand of average 3 m above the ground (See attached drawing for details) | Unit | 3 | 3 |
| Riser pipe 2” high | Pieces | 16 | 16 |
| 1. **Transmission line construction** |  |  |  |
| HDPE PN16 90mm | m | 700 | 700 |
| HDPE PN16 75mm | m | 700 | 700 |
| HDPE union PN16 90mm | No | 10 | 10 |
| HDPE union PN16 75mm | No | 10 | 10 |
| HDPE MTA PN16 90mm | No | 3 | 3 |
| 3” Air valve | No | 1 | 1 |
| 3" Global valve | m | 1 | 1 |
| 3”GI unions | No | 1 | 1 |
| 3” water meter | No | 1 | 1 |
| 3” HDPE adapter | No | 1 | 1 |
| 3" pressure sensor complete with switch. | No | 1 | 1 |
| Plumbing fittings (Valve, MTA, FTA, Tape, Tee, R/Bush) | No | 3 | 3 |

**Technical Specifications Offered**

| 1. **Item number** | **2. Specifications required** | **3. Specifications offered** | **4. Notes, remarks,  ref to documentation** | **5. Evaluation committee’s notes** |
| --- | --- | --- | --- | --- |
|  | **Cattle Troughs** |  |  |  |
| Ordinary Portland Cement |  |  |  |
| 12mm reinforcement bars 12 m long for Strip’s foundation and general |  |  |  |
| 8mm reinforcement bars 12 m long |  |  |  |
| Binding wire |  |  |  |
| Assorted nails |  |  |  |
| 200x25mm timber pieces |  |  |  |
| 100x50mm timber pieces |  |  |  |
| 100x75mm timber pieces |  |  |  |
| Eucalyptus poles-6mlength |  |  |  |
| 20mm aggregate |  |  |  |
| River sand |  |  |  |
| Plaster sand (The sand for plaster work shall be in accordance with BS 1199: 1976 and BS 1200: 1976. It shall be clean and well graded to a suitable fineness in accordance with the nature of the plaster and the finish to be obtained). |  |  |  |
| Hardcore |  |  |  |
| BRC |  |  |  |
| **VIP** |  |  |  |
| Ordinary Portland Cement |  |  |  |
| 12mm reinforcement bars 12 m long for Strips foundation and general |  |  |  |
| 8mm reinforcement bars 12 m long |  |  |  |
| Binding wire |  |  |  |
| Assorted nails |  |  |  |
| 1200x2100mm Purpose made steel casement Doors and Windows manufactured from standard strong Z sections: manufacture, assemble and deliver to site; Supply and fix ironmongery comprising approved hinges, stays, fasteners to opening lights: frames drilled, plugged and screwed or built into walling and prepare prime and apply one coat red oxide primer before delivery. |  |  |  |
| 200x25mm timber pieces |  |  |  |
| 100x50mm timber pieces |  |  |  |
| 100x75mm timber pieces |  |  |  |
| Eucalyptus poles-6mlength |  |  |  |
| 20mm aggregate |  |  |  |
| River sand |  |  |  |
| Plaster sand (The sand for plaster work shall be in accordance with BS 1199: 1976 and BS 1200: 1976. It shall be clean and well graded to a suitable fineness in accordance with the nature of the plaster and the finish to be obtained.) |  |  |  |
| Hardcore |  |  |  |
| Solid concrete blocks (machine made, solid or hollow as specified, and comply with BS 6073, work other than internal non-load bearing partitions which may be of blocks in accordance with Type C). |  |  |  |
| BRC |  |  |  |
| Hoop irons |  |  |  |
| Under Coat Paint |  |  |  |
| Weather guard emulsion paint |  |  |  |
| High gloss paint |  |  |  |
| **Pump house** |  |  |  |
| Ordinary Portland Cement |  |  |  |
| 12mm reinforcement bars 12 m long for Strip’s foundation and general |  |  |  |
| 8mm reinforcement bars 12 m long |  |  |  |
| Binding wire |  |  |  |
| Nails-assorted |  |  |  |
| **1200x2100mm Purpose made steel casement Doors and Windows manufactured from standard strong Z sections:** manufacture, assemble and deliver to site; Supply and fix ironmongery comprising approved hinges, stays, fasteners to opening lights: frames drilled, plugged and screwed or built into walling and prepare prime and apply one coat red oxide primer before delivery. |  |  |  |
| 200x25mm timber pieces |  |  |  |
| 100x50mm timber pieces |  |  |  |
| 100x75mm timber pieces |  |  |  |
| 20mm aggregate |  |  |  |
| River sand |  |  |  |
| Plaster sand (The sand for plaster work shall be in accordance with BS 1199: 1976 and BS 1200: 1976. It shall be clean and well graded to a suitable fineness in accordance with the nature of the plaster and the finish to be obtained.) |  |  |  |
| Hardcore |  |  |  |
| Solid concrete blocks (machine made, solid or hollow as specified, and comply with BS 6073, work other than internal non-load bearing partitions which may be of blocks in accordance with Type C). |  |  |  |
| BRC |  |  |  |
| Hoop iron |  |  |  |
| Under Coat Paint |  |  |  |
| Weather guard emulsion paint |  |  |  |
| High gloss paint |  |  |  |
| **OVERHEAD WATER STORAGE & STRUCTURE** |  |  |  |
| HDPE Vertical storage Tanks |  |  |  |
| 10,000 litrs |  |  |  |
| I-beam frame tank stand of average 3 m above the ground (See attached drawing for details) |  |  |  |
| Riser pipe 2” high |  |  |  |
| **TRANSMISSION LINE** |  |  |  |
| HDPE PN16 90mm |  |  |  |
| HDPE PN16 75mm |  |  |  |
| HDPE union PN16 90mm |  |  |  |
| HDPE union PN16 75mm |  |  |  |
| HDPE MTA PN16 90mm |  |  |  |
| 3” Air valve |  |  |  |
| 3" Global valve |  |  |  |
| 3”GI unions |  |  |  |
| 3” water meter |  |  |  |
| 3” HDPE adapter |  |  |  |
| 3" pressure sensor complete with switch. |  |  |  |
| Plumbing fittings (Valve, MTA, FTA, Tape, Tee, R/Bush) |  |  |  |