Annex 1 to Contract Ref. no.: 280171/2018-ČRA:

**Procedure of implementing the public contract**

**The subject of the public contract** is the preparation of complete project documentation in English language - *Detail Design for Shamena Garmama Kebele Community Water Supply Project* - and its approval by the partner organization Sidama Zones Water, Mines and Energy Department (SZWMED). The detail design will subsequently be used for the construction of a water supply distribution system for several kebeles of Hawassa Zuriya woreda, Sidama zone, SNNPR, within the project „Sustainable Management of Water Resources in SNNPR“.

**Outputs:**

* Detail Design for Shamena Garmama Kebele Community Water Supply Project;
* Approval and handover of the final Detail Design for Shamena Garmama Kebele Community Water Supply Project to Sidama Zone Water, Mines and Energy Department.

The requested detail design must be fully in compliance with Ethiopian legislation, applicable bylaws and all local regulations, and must contain all documents essentials so that the construction of the water distribution system may be implemented according to the detail design and fully in compliance with Ethiopian regulations. The Contractor shall also provide and cover the insurance of the complete project documentation.

**The detail design will be will be based on preliminary study produced by SZWMED** (see attachment no. 1 to this attachment).

The detail design must take into account all issues concerning hydraulic design, minimization of water loss, minimization of overall construction costs, avoidance of adverse environmental and social impacts, safety and occupational health during construction and operation of the water distribution system.

The detail design will include the following:

- Detail design report prepared on the basis of the preliminary study (see attachment), topographic and baseline surveys (using surveying equipment), including: introduction, design criteria, population projection, water demand assessment, design of the water supply system (including a model result), implementation plan and engineering cost estimate (i.e. the Bill of Quantity: project summary, supply and installation of pipes and fittings works, valve chambers for pipe network, water point with six faucets, water point with two faucets, specification of anchor blocks etc.);

- Design drawings album: general layout for distribution system, longitudinal sections and cross-sections, distribution system fittings detail, water point with six faucets, water point with two faucets, standard typical drawings (pipe trench, river and road crossing, valve chamber, air release and flash device, anchor block detail etc.).

After the completion of the detail design the contractor is requested to submit all documentation to SZWMED for comments and final approval. The contractor must deliver the finalized detail design to the Czech Development Agency including a letter of consent by SZWMED.

The approved detail design will be submitted electronically to email address: ludvikova@czechaid.cz in PDF format and also in editable format (e.g. drawings in the format ARCHICAD / AUTOCAD / MicroStation, text and table parts in MS OFFICE format, budget in Excel, etc.).

 **Schedule of works:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Item no.** | **Description** | **Week 1** | **Week 2** | **Week 3** | **Week 4** | **Week 5** | **Week 6** | **Week 7** | **Week 8** |
| 1 | Baseline surveys | X |  |  |  |  |  |  |  |
| 2 | Detail field survey |  | X | X |  |  |  |  |  |
| 3 | Detail designing |  |  | X | X | X |  |  |  |
| 4 | Document preparation |  |  |  |  | X | X | X |  |
| 5 | Document approval by SZWMED |  |  |  |  |  |  |  | X |

**Terms of works fulfillment**:

No later than 31 July, 2018

**Attachments:**

Attachment 1: Preliminary study of Shamena Garmama Kebele Community Water Supply Project prepared by SZWMED

Attachment 2: GPS coordinates of points of interest

Attachment 3: Maps indicating points of interest