

**Invitation to Tender (ITT) for**

**The Procurement of** **Solarization of Water Supply Scheme in Amhara Region, (Raya Kobo and Guba Lafto Sites)**

**PR Ref: ADD-BTB-39601**

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| --- |
| **GOAL is completely against fraud, bribery, and corruption.**  **GOAL does not ask for money for bids****.**  **If you have any** **serious concern over** **wrongdoing please report it at**[**www.safecall.co.uk/report**](http://www.safecall.co.uk/report)**or email** [**goal@safecall.co.uk**](mailto: goal@safecall.co.uk) **. All information is treated confidentially by Safecall and you may remain anonymous if you wish** |

# About GOAL

Established in 1977, GOAL is an international humanitarian and development agency committed to working with communities to achieve sustainable and innovative early response in crises and to assist them to build lasting solutions to mitigate poverty and vulnerability. For more information on GOAL and its operations please visit https://www.goalglobal.org/.

GOAL has been working in Ethiopia since 1984, implementing a range of multi-sectoral development and humanitarian programmes responding to sudden-onset and protracted crises. Since 2017, GOAL has been one of the primary humanitarian agencies responding to the displacement crises in Ethiopia, operating a large-scale multi-sectoral response across more than 11 Zones in Oromia, Somali, SNNP, Benishangul-Gumuz, Tigray and Amhara regions. Interventions include the treatment of acute malnutrition, mobile health activities, ensuring access to sanitation and water supply facilities, distribution of cash, shelter and non-food items, and psychosocial support.

GOAL Ethiopia supports several Water and Sanitation and Health (WASH) projects in various parts of the country providing clean water including small-scale construction projects. One of our objectives is to enter into agreements with potential contractors to further strengthen the implementation of our WASH activities

# Proposed Timelines

|  |  |  |
| --- | --- | --- |
| **Line** | **Item** | **Date** |
| 1 | ITT Republished | **06 - July - 2025** |
| 2 | Closing date for clarifications | **23 - July – 2025, at 4:30 PM GMT +3 East African Time** |
| 3 | Closing date and time for receipt of Tenders | **29 - July - 2025, at 4:30 PM East African Time** |
| 4 | Tender Opening Date and time | **31 – July - 2025 at 10:00 AM GMT +3 East African Time** |
| 5 | Tender Opening Location | GOAL Ethiopia, Addis Ababa, Head Office |

# Overview of requirements

* GOAL invites prospective suppliers to submit tenders that meet or exceed GOAL’s requirements as outlined in reference Annex 1 with detailed Bill of Quantities.
* Since the operational geographical coverage is very wide which is in five woreda’s, GOAL has advised the bidders to submit their bids for one, for several, or for all the lots. Therefore, it is appropriate to advertise and contract award, may be given based on the lots. This will ensure to complete the activities within the project period and added value to preserve competition and reliability of **Solarization of Water supply System** as per the BOQ and specific location

|  |  |  |
| --- | --- | --- |
| **Lots** | **List of requirements** | **Location** |
| **Lot 1** | **Solarization of Water supply System as per the Design and BOQ** | Amhara Region – in **Workie**, Raya Kobo Woreda site |
| Amhara Region – in **Ayub**, Raya Kobo Woreda site |
| Amhara Region – in **Tigre Mender**, Raya Kobo Woreda site |
| **Lot 2** | **Solarization of Water supply System as per the Design and BOQ** | Amhara Region – in **Hara**, Guba Lafto Woreda site |
| Amhara Region – in **Amay Micha**, Guba Lafto Woreda site |

# Type of Contract

Following this procurement process, aims to sign a contract based on the LOTS for a period of up to completion of the work based on the agreed work plan provide by the winning bidder and GOAL Ethiopia.

# Terms of The Procurement

**5.1. Procurement Process**

* + 1. This competition is being conducted under GOAL’s **national tender** procedure.
    2. The contracting authority for this procurement is GOAL.
    3. This procurement is funded through **ECHO through Medecins Du Monde** (**MDM)** and the tender and any contracts or agreements that may arise from it are bound by the regulations of those donors.
  1. **Clarification and Query Handling**

GOAL has taken care to be as clear as possible in the language and terms it has used in compiling this ITT. Where any ambiguity or confusion arises from the meaning or interpretation of any word or term used in this document or any other document relating to this tender, the meaning and interpretation attributed to that word or term by GOAL will be final. GOAL will not accept responsibility for any misunderstanding of this document or any others relating to this tender.

Requests for additional information or clarifications can be made before the deadline noted in section 2 above, and no later. Any queries about this ITT should be addressed in writing to GOAL via email at [Clarifications@goal.ie](mailto:Clarifications@goal.ie) with the reference [**ADD-BTB -39601, Solarization of Water Supply Schame in Amhara Region, Raya Kobo and Guba Lafto sites**]. Clarifications and answers shall be published online at [www.Goalglobal.Org](http://www.Goalglobal.Org) /tenders in a timely manner.

* 1. **Conditions Of Tender Submission**
     1. Tenders must be completed in English.
     2. Tenderers must respond to all requirements set out in this ITT and complete their bid in the response format outlined in Section 7.
     3. Failure to submit tenders in the required format will, in almost all circumstances, result in the rejection of the bid.
     4. Tenderers must disclose all relevant information to ensure that all tenders are fairly and legally evaluated. Additionally, tenderers must provide details of any implications they know or believe their response will have on the successful operation of the contract or on the normal day-to-day operations with GOAL. Any attempt to withhold any information that the tenderer knows to be relevant or to mislead GOAL and/or its evaluation team in any way will result in the disqualification of the tender.
     5. Tenders must detail all costs identified in this ITT. Additionally, tenders must detail any other costs whatsoever that could be incurred by GOAL in the usage of services and/or the availing of options that may not be explicitly identified/requested in this ITT. Tenderers’ attention is drawn to the fact that, in the event of a Contract/ Framework Agreement being awarded to them, the attempted imposition of undeclared costs will be considered a condition for default.
     6. Any conflicts of interest (including any family relations to GOAL staff) involving a tenderer must be fully disclosed to GOAL particularly where there is a conflict of interest in relation to any recommendations or bids put forward by the tenderer.
     7. GOAL will not be liable in respect of any costs incurred by respondents in the preparation and submission of tenders or any associated work effort.
     8. GOAL will conduct this tender, including the evaluation of responses and final awards in accordance with the detail set out at in the Evaluation process. Tenders will be opened by at least three designated officers of GOAL.
     9. GOAL is under no obligation to accept the lowest or any other bid received in response to this tender and reserves its right to reject any or all the bids(part/full) including incomplete bids without assigning reason whatsoever.
     10. GOAL reserves the right to split the award of this contract between different bidders in any combination it deems appropriate, at its sole discretion.
     11. The tenderer shall seek written approval from GOAL before entering any sub-contracts for the purpose of fulfilling this contract. Full details of the proposed subcontracting company and the nature of envisioned engagement of sub-contractor/s into this contract shall be included in tenderer’s bid.
     12. GOAL reserves the right to refuse any subcontractor that is proposed by the bidder.
     13. GOAL reserves the right to negotiate with the bidder who has submitted the lowest Bid that fully meets the technical requirements, for the purpose of seeking revisions of such Bid to enhance its technical aspects and/or to reduce the price.
     14. Information supplied by respondents will be treated as contractually binding. However, GOAL reserves the right to seek clarification or verification of any such information.
     15. GOAL reserves the right to terminate this competition at any stage.
     16. Unsuccessful tenderers will be notified.
     17. GOAL’s standard payment terms are by bank transfer within 30 days after satisfactory implementation and receipt of documents in order. Satisfactory implementation is decided solely by GOAL.
     18. This document is not construed in any way as an offer to contract.
     19. GOAL and all contracted suppliers must act in all its procurement and other activities in full compliance with donor requirements. Any contract(s) that arise from this ITT may be financed by multiple donors and those donors and/or their agents have rights of access to GOAL and/or any of its suppliers or contractors for audit purposes. These donors may also have additional regulations that it is not practical to list here. Submission of a bid under this ITT assumes Tenderer acceptance of these conditions.
     20. **Terrorism and Sanctions:** GOAL does not engage in transactions with any terrorist group or individual or entity involved with or associated with terrorism or individuals or entities that have active exclusion orders and/or sanctions against them. GOAL shall therefore not knowingly purchase supplies or services from companies that are associated in any way with terrorism and/or are the subject of any relevant international exclusion orders and/or sanctions. If you submit a bid based on this request, it shall constitute a guarantee that neither your company nor any affiliate or a subsidiary controlled by your company are associated with any known terrorist group or is/are the subject of any relevant international exclusion order and/or sanctions. A contract clause confirming this may be included in an eventual purchase order based on this request.
     21. GOAL requires all contracted suppliers and sub-contractors to observe the highest standard of ethics during the procurement process, selection and contract execution of goal’s contracts, and refrain from fraud and corruption. GOAL has zero tolerance for fraud, bribery or corruption in any form and will reject any bids if the organization determines that the bidding company, any of its personnel, or its sub-contractors, has, directly or indirectly, engaged in corrupt, fraudulent, collusive, coercive, or obstructive practices in competing for the contract in question.
  2. **Quality Control**

3rd party companies may be contracted by GOAL to carry out random quality inspections of work carried out by the contracted party. The cost of the quality control inspections will be covered by GOAL.

In cases of supplier’s quality default, in addition to Liquidated Damages, section 21 of GOAL Standard Terms and Conditions, the costs of the quality inspections and loading surveyor will be charged to the Service Provider.

Sub-contracting: note section II in GOAL Standard Terms and Conditions[[1]](#footnote-2). GOAL may choose to visit vendors, including sub-contractors (if any) as per of the evaluation process.

* 1. **Submission of Tenders**

Tenders must be delivered in one of the following two ways:

1. **Electronically with your financial and technical offers in separate emails** to [**tenders@goal.ie**](mailto:tenders@goal.ie) and in the subject field state:
2. ADD-BTB-39601, Solarization of Water Supply Schame in Amhara Region, three in Raya Kobo and two in Guba Lafto sites.

* Lot 1



* Lot 2



1. *Name of your firm with the title of the attachment*
2. *Number of emails that are sent e.g. 1 of 3, 2 of 3, 3 of 3.*

**All documents attached to emails must be in PDF or scan form. Any excel or word documents must be accompanied by a PDF or scan version of the document. Documents submitted solely in excel, word or other ‘soft copy’ format shall lead to the bid being rejected.**

1. Physical bids- please submit in a sealed envelope marked **Solarization of Water Supply Schame in Amhara Region, Raya Kobo and Guba Lafto sites**,with the words ‘*not be opened before the* ***deadline 29-July-2025,4:30pm******by the tender committee’***with your financial and technical offers inside in two separate envelopes marked as financial offer and technical offer to the private tender box at **address:** **GOAL Ethiopia, bole sub city, Gurd Shola, Woreda 06, H. No. New next compound to century mall, Addis Ababa, Ethiopia**.

Envelopes may be sent through courier services or delivered by hand; and will be accepted during normal working hours for the country of submission. Please note that the GOAL office will not be open during weekends or public holidays. Envelops may be sent through postal or courier services or delivered by hand; and will be accepted during normal working hours for the country of submission. Please note that the GOAL office will not be open during weekends or public holidays.

Please submit your financial & technical offers in **separate envelops** marked as ‘**Financial offer’** attach only the **price offered** and **bid security 1% bid bond or CPO**, and **‘Technical offer’**, the technical envelop contain all documents, **except price** (like, VAT certificate, TIN certificate, renewed business licence & registration certificates & others), into the tender box at the GOAL Ethiopia Addis Ababa office which is located below:

**Bole Sub City, Gurd Shola, Woreda 06, House No. New (Next to Century Mall), Addis Ababa Ethiopia.**

*Please note that the GOAL office will not be open during weekends or public holidays.*

* **Proof of sending is not proof of reception, either electronically or with post/courier/other physical service. Late delivery will result in your bid being rejected. Envelopes found open at the tender opening will be rejected. All information provided must be perfectly legible.** 
  1. **Tender Opening Meeting**

Tenders will be opened as per Section 2 Proposed Timelines above at the following location:

**GOAL Ethiopia, Bole Sub City, Gurd Shola, Wereda 06, HN New, next compound to Century Mall, Head office Addis Ababa.**

One **authorised representative** of each tenderer may attend the opening of the bids. Companies wishing to attend are requested to notify their intention by sending an e-mail at least 48 hours in advance to the following e-mail address: [**tenders@goal.ie**](mailto:tenders@et.goal.ie)**.** This notification must be signed by an authorised officer of the tenderer and specify the name of the person who will attend the opening of the bids on the tenderer's behalf.

Bidders are invited to attend the Tender Opening Meeting at their own cost.

# Evaluation Process

## Evaluation stages

Tenderers will be considered for participation in the Contract subject to the following qualification process:

|  |  |  |
| --- | --- | --- |
| **Phase #** | **Evaluation Process Stage** | **The basic requirements with which proposals must comply with** |
| *The first phase of evaluation of the responses will determine whether the tender has been submitted in line with the administrative instructions and meets the essential criteria. Only those tenders meeting the essential criteria will go forward to the second phase of the evaluation.* | | |
| 1 | **Administrative instructions** | 1. **Closing Date:**   Proposals must have met the deadline stated in section 2 of these Instructions to Tenderers, or such revised deadline as may be notified to Tenderers by GOAL. Tenderers must note that GOAL is prohibited from accepting any proposals after that deadline.   1. **Submission Method:**   Proposals must be delivered in the method specified in section |4.4| of this document. GOAL will not accept responsibility for tenders delivered by any other method. Responses delivered in any other method will be rejected.   1. **Format and Structure of the Proposals:**   Proposals must conform to the Response Format laid out in sections 7 of these Instructions to Tenderers or such revised format and structure as may be notified to Tenderers by GOAL. **Failure to comply with the prescribed format and structure may result in your response being rejected at this stage.**   1. **Confirmation of validity of your proposal:**   The Tenderers must confirm that the period of validity of their proposal is not less than 90 (ninety) days. |
| 2 | **Essential Criteria** **(Mandatory**  **Requirements)** | * Valid and renewed business license * Tax registration certificate (VAT), * TIN Certificate * Suppliers Warehouse Visit * Warranty * Bid security 1% CPO or bid bond guarantee |
| *The second stage of the evaluation will involve an assessment of the Tenderer’s personal and legal circumstances, economic and financial standing, to fulfil the obligations of the contract* | | |
| **3** | **Legal, Economic & Financial Criteria** | In-depth review of financial accounts submitted; tenderer is judged to have requisite financial stability. As per Appendix 1 as well as point 3-self declaration |
| *Each proposal that conforms to the Essential Criteria will be evaluated according to the Award Criteria given below by GOAL.* | | |
| **4** | **Award Criteria** | Tenders will be awarded marks under each of the award criteria listed in this section to determine the most economically advantageous tenders.   1. Offered Price – 35% (Price should be valid for ninety calendar days). 2. Technical (Quality & Delivery time) – 65% (which is technical and number of days from signing of the contract until delivery.   **N.B:** all offers for the item listed in appendix 3 must state the number of delivery calendar days that the supplies will be delivered TO **GOAL Ethiopia, Bole Sub City, Woreda 6, H. No. new Next compound to Century mall.** |
| **5** | **Post selection** | References and other checks are found to be clear, and quality is assessed. |

## Tender Evaluation

GOAL is committed to the highest standards of fairness and equality across our organisation and ensures impartiality in tender evaluations. GOAL will convene a comprehensive evaluation team which may draw from diverse expertise including Finance, Logistics, Programmes, Donor Compliance, and Internal Audit, as well as 3rd Party technical input.

During the evaluation period clarifications may be sought by e-mail from Tenderers. Clarifications may include testimonials from customers in support of aspects of a tender, whether such aspects are contained in the original submission or in subsequent responses to requests for clarification. Deadlines will be imposed for the receipt of such clarifications and failure to meet these deadlines may result in the disqualification of the tender or loss of marks. Responses to requests for clarification shall not materially change any of the elements of the tenders submitted. Unsolicited communications from tenderers will not be entertained during the evaluation period.

## Award Criteria

* **Technical Criteria 65%**
* Quality criteria that will be used for evaluation of bids is as below:
* A minimum passing score is established to ensure adherence to our quality standards and project requirements. Only tenders meeting or exceeding **32.5%** and above marks out **of 65%** marks will proceed to the next stage of evaluation.

|  |  |  |
| --- | --- | --- |
| **No** | **Qualitative Award criteria and detail breakdown scoring** | **Weighting (maximum points)** |
|  | **Year of Experience of previous similar in Rehabilitation & Installation of Solarization of Solar Water Supply System** | **10%** |
| 1 | * 1. Five and above years of previous similar experience (10%)   2. Four years of previous similar experience (8%)   3. Three years previous similar experience 6%)   4. Two years previous similar experience (4%)   5. One-year previous similar experience (2%)   ***Note: Please provide your experience evidence documents in the ‘’technical Proposal’’*** *ensure to submit legal documents, organization company profile showing,* ***date of establishment****, office facilities, past performance record on similar activity, and other relevant credentials* |
| **2** | References/Testimony letters from INGO, NGO’s, Governmental, Agencies, PLC in **Rehabilitation & Installation of Solarization of Solar Water Supply System**  **NB: The recommendation letters for similar work assignment MUST be latest for the last FIVE YEARS. This will be further verified if necessary.** | **25%** |
|  | * 1. 5 & above References/Testimony letters (25%)   2. 4 References/Testimony letters (20%)   3. 3 References/Testimony letters (15%   4. 2 References/Testimony letters (10%)   5. 1 References/Testimony letters (5%)   6. No evidence References/Testimony letters (0%)   **Note: Please provide your evidence documents by attaching in the ‘’technical Proposal’’** |
| **3** | **Delivery time with detail Work (Implementation) plan** | **20%** |
|  | * 1. Available of equipment’s in stock as per the BOQs, transport, installation, testing, commissioning, and completing the required work within 60 days = **20%**   2. Available of equipment’s in stock as per the BOQs, transport, installation, testing, commissioning, and completing the required work within 90 days = **10%**   3. No Available of equipment’s in stock as per the BOQs, transport, installation, testing, commissioning, and completing the required work and will take more than 90 days = 0%   **Note: Please provide your evidence documents in the ‘’technical Proposal’’** |
| **4** | **Warranty (workmanship and Installation)** | **10 %** |
|  | 4.1 Workmanship and installation warranty up to one year (10%)  4.2 Workmanship and installation warranty less than one year (0%)  **Note: Please provide your evidence documents by attaching in the ‘’technical Proposal’’** |  |
|  | **Total number of points** | **65%** |

**Price:**

A minimum passing score is established to ensure adherence to our quality standards and project requirements. Only tenders meeting or exceeding **35%** and above marks out of 65% marks will proceed to the next stage of evaluation.

All prices must be in **Ethiopian Birr (ETB)** and a comprehensive and clear breakdown of prices must be shown as part of the financial offer.

Prices offered will be evaluated on full cost basis (including all fees and taxes). During the analysis of bids, if bids were not submitted in the required currency, we will convert all bids in **Ethiopian Birr (ETB**) at the Infor Euro rate for the date of bid opening. (See <http://ec.europa.eu/budget/contracts_grants/info_contracts/inforeuro/index_en.cfm>)

Marks for cost will be awarded on the inverse proportion principle (shown below):

Score = points available x (lowest price offered/ bidder offer price)

**All financial offers must be made on the basis of ‘best and final offer.’**

# Response Format

All bids must conform to the response format laid out below.

By responding to this ITT, each Tenderer is required to accept the terms and conditions of this ITT. Should a Tenderer not comply with these requirements, GOAL may, at their sole discretion, reject the response.

If the Tenderer wishes to supplement their response to any section of the ITT specifications with a reference to further supporting material, this reference must be clearly identified, including section and page number.

## Submission Checklist

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Line | Item | How to submit | | Tick attached |
| Electronic submission |  |  |
| 1 | This checklist | Ticked, scan and save as ‘Checklist’ |  |  |
| 2 | Appendix 1 – Company Information | Complete, sign & stamp, scan and save as ‘Company information’s’ | |  |
| 3 | Appendix 2 - Technical Offer | Complete, sign & stamp, scan and save as ‘Technical Offer’ and submit | |  |
| 4 | Appendix 3 - Financial Offer based on the BOQ per LOTS | Complete, sign & stamp, scan and save as ‘Financial Offer per Lots’ | |  |
| 5 | Appendix 4 - GOAL terms and conditions | Sign, scan, and save as ‘GOAL Terms and Conditions’ | |  |
| 6 | Appendix 5 - GOAL contract template | Sign, scan, and save as ‘GOAL Contract Template’ | |  |
| 7 | Appendix 6 - GOAL Supplier code of conduct | Sign, scan, and save as ‘GOAL Supplier code of Conduct’ | |  |
| 8 | Annexes 1-9 BOQ’s, Drawing, design, and specifications | Sign, scan, and save as ‘Term of References (BOQ)’ | |  |
| 9 | Self-declaration of finance and tax | Complete, sign & stamp; scan and save as ‘Self declaration of finance & tax’ | |  |
| 10 | Renewed/ Valid business registration certificate/ license. | scan and save as ‘Valid business registration certificate’ | |  |
| 11 | Tax Registration certificate and /or tax clearance certificate. | scan and save as ‘Tax Registration certificate’ |  |  |

# Appendix 1 – Company Information

|  |  |  |
| --- | --- | --- |
| Company Name |  | |
| Registered address of the prime Tenderer |  | |
| Year Established |  | |
| Please state the name of any other persons/organisations (except your company) who will benefit from this contract (GOAL compliance matter) |  | |
| Parent company |  | |
| Ownership |  | |
| Do you have associated companies? Tick relevant box. If YES – provide details for each company in the line below. | Yes/No | |
|  | |
| Associated company details (if applicable) |  | |
| If successful, do you agree to work under GOAL’s Terms and Conditions of contract (attached as Appendix 4). | Yes/No | Comments/Attachments |
|  |  |
| If successful, do you agree to sign the contract as per GOAL’s contract template (attached as Appendix 5) | Yes/No | Comments/Attachments |
|  |  |
| If successful, do you agree to abide by GOAL’s Supplier code of conduct for the delivery of goods/services/works?  (attached as Appendix 6) | Yes/No | Comments/Attachments |
|  |  |

Note that winning bidder/s will be required to submit further information as part of supplier registration process before finalisation of contract award.

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| By submitting a bid under this **Invitation to Tender (ITT)** **ADD-BTB-39601, Solarization of Water Supply Scheme in Amhara Region, (Raya Kobo and Guba Lafto Sites),** bidder hereby asserts that the following statements are correct at the time of submission; and further undertakes to inform GOAL of any changes in status of these matters. |
| The bidder is not bankrupt or is being wound up, neither are its affairs are being administered by the court nor has entered an arrangement with creditors or has suspended business activities or is in any analogous situation arising from a similar procedure under national laws and regulation.  The bidder is not the subject of proceedings for a declaration of bankruptcy, for an order for compulsory winding up or administration by the court or for an arrangement with creditors or of any other similar proceedings under national laws and regulations.  Neither the bidder, a Director or Partner, has been convicted of an offence concerning his professional conduct by a judgement which has the force of res judicata nor been guilty of grave professional misconduct in the course of their business.  The bidder has fulfilled all its obligations relating to the payment of taxes or social security contributions in Ireland or any other state or country in which the tenderer is located or doing business.  Neither the bidder, a Director or Partner has been found guilty of fraud, money laundering, corruption; convicted of being a member of a criminal organisation; nor of serious misrepresentation in providing information to a public buying agency  The bidder has not contrived to misrepresent its Health & Safety information, Quality Assurance information, or any other information relevant to this application.  That all data subjects have specifically consented to the use and storage of their data by GOAL for the purpose of analysing the bids and awarding a contract under this tender; and further understood that the personal data may be shared internally within GOAL and externally if required by law and donor regulations; and may be stored for a period of up to 7 years from the award of contract. |

I confirm that my bid has a validity of (**ninety 90**) of days. *If your bid does not have this validity, please state what bid validity you offer.*

I confirm that the bid and the costs provided to accompany it are an accurate reflection of the costs that will be charged to GOAL according to the information provided in this Invitation to Tender; and that there are no other costs associated. I also confirm that I have the authority to sign on behalf of the company that is bidding.

|  |  |  |  |
| --- | --- | --- | --- |
| Signed: |  | | |
| Print name: |  | Position: |  |
| Company Name: |  | Date: |  |
| Address: |  | | |

# Appendix 2 - Technical Offer

**Attached as a separate document technical assessment report for five locations (Amhara Regions, Raya Kobo and Guba Lafto)**

# Appendix 3 - Financial Offer

**SUMMERY OF WORKS**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Work Descriptions** | **Unit** | **Quantity** | **UNIT PRICE** | **TOTAL PRICE** |
| 1 | Solarization of **Workie (a)** Water Supply Scheme; in Raya Kobo Woreda, Amhara Region. | LS | 1 |  |  |
| Solarization of **Ayub (b)** Water Supply Scheme; in Raya Kobo Woreda, Amhara Region. | LS | 1 |  |  |
| Solarization of **Tigre Mender (c)** Water Supply Scheme; in Raya Kobo Woreda, Amhara Region. | LS | 1 |  |  |
| 2 | Solarization of **Hara (a)** Water Supply Scheme; in Guba Lafto Woreda, Amhara Region. | LS | 1 |  |  |
| Solarization of **Amay Micha (b)** Water Supply Scheme; in Guba Lafto Woreda, Amhara Region. | LS | 1 |  |  |
| **TOTAL** | | | | |  |
| **Rebate %** | | | | |  |
| **Total After Rebate** | | | | |  |
| **15%VAT** | | | | |  |
| **GRAND TOTAL** | | | | |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Lot-1a** | | **BOQ Solarization system for Raya Kobo (Workie Water Supply Scheme)** | | | | | | | | |
| **NO.** | | **ITEM DESCRIPTION** | | | **Unit** | **QTY** | | **Unit Price** | | **Total Price** |
| **PART A:** | | **Main components** | | |  |  | |  | |  |
| 1 | | Renewable Solar Inverter 3x380-480V IP66 22kW, Input Current: 46A. DC-AC inverter with Build-in MPPT (Maximum power point tracking). Frequency 50/60Hz, DC 400-800V | | | Pc | 1 | |  | |  |
| 2 | | Min. 575-Watt Mono crystalline solar modules. The price shall include PV combiner 1000VDC box. Note: Total Solar power required is 30KW and minimum number of strings is 4. | | | Pcs | 52 | |  | |  |
| **PART B:** | | **Accessories & Power supply cables** | | |  |  | |  | |  |
| 3 | | AC circuit breaker compatible with pump and inverter. Each string has its own breaker (OTDCP16, 16A) | | | Pcs | 4 | |  | |  |
| 4 | | 3\*16 mm Cable | | | M | 45 | |  | |  |
| 5 | | PV Disconnection Circuit Breaker, with minimum of 25Amp box appropriate for the number of modules and maximum voltage and current of the PV array. The PV breaker shall be supplied and installed for each string. | | | Pc | 4 | |  | |  |
| 6 | | 6mm2 single core cable for DC Extension line from PV module | | | M | 60 | |  | |  |
| 7 | | Surge Protection device compatible with controller and pump motor OVR PV40-1000 | | | Pc | 1 | |  | |  |
| 8 | | Lightning surge arrestor with copper strips of not less than 25mmx4mm supported by 2" GI pipe with minimum of 3m. | | | Pc | 1 | |  | |  |
| 9 | | 5/8 100% copper earth rod with Clamp | | | Pc | 1 | |  | |  |
| 10 | | 10mm2 Copper earth cable | | | M | 10 | |  | |  |
| 11 | | Change Over switch compatible with the inverter | | | Pc | 1 | |  | |  |
| **PART C:** | | **Fire Fighting & Electrical Board** | | |  |  | |  | |  |
| 12 | | 6 Kg Fire Extinguisher with minimum of 3 years expire date. The price includes red cabine box | | | Pc | 1 | |  | |  |
| 13 | | Supply and install waterproof & secured switch board IP65 that can accommodate the inverter, breaker, surge protector and PV breaker. | | | Pc | 1 | |  | |  |
| **PART D:** | | **Module support structure** | | |  |  | |  | |  |
|  | | Each Footing shall be spaced at 2m Center to centre in the string | | |  |  | |  | |  |
| 14 | | Implementation of (0.4x0.4x0.7) m reinforced concrete type C25 for all mounting foundations and all necessary related work as detailed in the shop drawings. This item includes all excavations, backfill around the footing and formwork. | | | LS | 1 | |  | |  |
| 15 | | Supply and erect a panel support structure made of 2'' Pipe poles welded with Ø10 bar for anchor at one end, 1 1/2" rafters bolted by U-bolt on to 2'' poles end plate, 40x40x3mm C-channel strut will be tied into rafter by U-bolt, the strut has 120 tilt and, the shorter pole shall be minimum of 0.8m above ground level to support the quantity of panels above. | | | LS | 1 | |  | |  |
| **PART E:** | | **Fencing Works and Commissioning** | | |  |  | |  | |  |
| 16 | | Fencing around the PV compound with 60x60x3mm angle GS Pipe pole stand to the height of 2.4m above ground level with 1m- 0.8m deep and 450 bend at top 40cm, and erecting using boulder-cement concrete C-20 concrete mix (40cm Dia) concrete foundation and bracing diagonals at the corner. The fence shall be constructed from mesh wire (Gabion) of thickness 3 mm and mesh size – 50X50mm each, firmly fixed to the angle iron poles with fence ties. The top 40cm shall be fenced with barbed wire in two strips. The fence should have minimum of 2m distance from the PV Array. Supply and install sheet metal gate door (3mm thick) framed LTZ with size of 200x90cm. Price include painting of anti-rust paint to the angle iron and weld metal bar to anchor the post. NB: -The quality of all materials should be approved by the Engineer | | | LS | 1 | |  | |  |
| 17 | | Transportation, Installation, Testing & commissioning including testing to determine the actual flowrate delivered by the system once the panels are installed for at least three hours. Based on the confirmation of pump performance during commissioning procedure. | | | LS | 1 | |  | |  |
|  | | **SUB TOTAL** | | |  |  | |  | |  |
|  | | **VAT-15%** | | |  |  | |  | |  |
|  | | **TOTAL Summary** | | |  |  | |  | |  |
| **Lot-1b** | **BOQ Solarization system for Raya Kobo (Ayub Water Supply Scheme)** | | | | | | | | | |
| **NO.** | **ITEM DESCRIPTION** | | **UNIT** | **QTY** | | | **Unit Price** | | **Total Price** | |
| **PART A:** | **Main components** | |  |  | | |  | |  | |
| 1 | Renewable Solar Inverter RSI 3x380-440V IP66 15kW 31A, DC-AC inverter with Build-in MPPT (Maximum power point tracking). Frequency 50/60Hz, DC 400-800V | | pc | 1 | | |  | |  | |
| 2 | Min. 575-Watt Mono crystalline solar modules. The price shall include PV combiner 1000VDC box. Note: Total Solar power required is 18KW and minimum number of strings is 3. | | Pcs | 30 | | |  | |  | |
| **PART B:** | **Accessories & Power supply cables** | |  |  | | |  | |  | |
| 3 | AC circuit breaker compatible with pump and inverter. Each string has its own breaker (OTDCP16, 16A) | | Pcs | 3 | | |  | |  | |
| 4 | 3\*25 mm Cable | | M | 45 | | |  | |  | |
| 5 | PV Disconnection Circuit Breaker, with minimum of 16Amp box appropriate for the number of modules and maximum voltage and current of the PV array. The PV breaker shall be supplied and installed for each string. | | pc | 3 | | |  | |  | |
| 6 | 6mm2 single core cable for DC Extension line from PV module | | M | 40 | | |  | |  | |
| 7 | Surge Protection device compatible with controller and pump motor OVR PV40-1000 | | pc | 1 | | |  | |  | |
| 8 | Lightning surge arrestor with copper strips of not less than 25mmx4mm supported by 2" GI pipe with minimum of 3m. | | pc | 1 | | |  | |  | |
| 9 | 5/8 100% copper earth rod with Clamp | | pc | 1 | | |  | |  | |
| 10 | 10mm2 Copper earth cable | | M | 10 | | |  | |  | |
| 11 | Change Over switch compatible with the inverter | | Pcs | 1 | | |  | |  | |
| **PART C:** | **Fire Fighting & Electrical Board** | |  |  | | |  | |  | |
| 12 | 6 Kg Fire Extinguisher with minimum of 3 years expire date. The price includes red cabinet box | | Pcs | 1 | | |  | |  | |
| 13 | Supply and install waterproof & secured switch board IP65 that can accommodate the inverter, breaker, surge protector and PV breaker. | | pc | 1 | | |  | |  | |
| **PART D:** | **Module support structure** | |  |  | | |  | |  | |
|  | Each Footing shall be spaced at 2m centre to centre in the string | |  |  | | |  | |  | |
| 14 | Implementation of (0.4x0.4x0.7) m reinforced concrete type C25 for all mounting foundations and all necessary related work as detailed in the shop drawings. This item includes all excavations, backfill around the footing and formwork. | | LS | 1 | | |  | |  | |
| 15 | Supply and erect a panel support structure made of 2'' Pipe poles welded with Ø10 bar for anchor at one end, 1 1/2" rafters bolted by U-bolt on to 2'' poles end plate, 40x40x3mm C-channel strut will be tied into rafter by U-bolt, the strut has 120 tilt and, the shorter pole shall be minimum of 0.8m above ground level to support the quantity of panels above. | | LS | 1 | | |  | |  | |
| **PART E:** | **Fencing Works and Commissioning** | |  |  | | |  | |  | |
| 16 | Fencing around the PV compound with 60x60x3mm angle GS Pipe pole stand to the height of 2.4m above ground level with 1m- 0.8m deep and 450 bend at top 40cm, and erecting using boulder-cement concrete C-20 concrete mix (40cm Dia) concrete foundation and bracing diagonals at the corner. The fence shall be constructed from mesh wire (Gabion) of thickness 3 mm and mesh size – 50X50mm each, firmly fixed to the angle iron poles with fence ties. The top 40cm shall be fenced with barbed wire in two strips. The fence should have minimum of 2m distance from the PV Array. Supply and install sheet metal gate door (3mm thick) framed LTZ with size of 200x90cm. Price include painting of anti-rust paint to the angle iron and weld metal bar to anchor the post. NB: -The quality of all materials should be approved by the Engineer | | LS | 1 | | |  | |  | |
| 17 | Transportation, Installation, Testing & commissioning including testing to determine the actual flowrate delivered by the system once the panels are installed for at least three hours. Based on the confirmation of pump performance during commissioning procedure. | | LS | 1 | | |  | |  | |
|  | **SUB TOTAL** | |  |  | | |  | |  | |
|  | **VAT-15%** | |  |  | | |  | |  | |
|  | **TOTAL Summary** | |  |  | | |  | |  | |
|  |  | |  |  | | |  | |  | |
| **Lot 1c** | **BOQ Solarization system for Raya Kobo (Tigre Mender Water Supply Scheme)** | | | | | | | | | |
| **NO.** | **ITEM DESCRIPTION** | | **UNIT** | **QTY** | | | **Unit Price** | | **Total Price** | |
| **PART A:** | **Main components** | |  |  | | |  | |  | |
| 1 | Supply and install 5.5KW Solar Pump with all accessories and dry run sensor with 15 Pcs Class C 2" Raiser Pipe and Heavy-Duty Socket and 2 pcs 2" pipe clamps, 2" check valve, and 2" water Meter | | pc | 1 | | |  | |  | |
| 2 | Renewable Solar Inverter RSI 3x380-440V IP66 7.5 kW 16A, DC-AC inverter with Build-in MPPT (Maximum power point tracking). Frequency 50/60Hz, DC 400-800V | | pc | 1 | | |  | |  | |
| 3 | Min. 575-Watt Mono crystalline solar modules. The price shall include PV combiner 1000VDC box. Note: Total Solar power required is 11KW and minimum number of strings is 2. | | Pcs | 20 | | |  | |  | |
| **PART B:** | **Accessories & Power supply cables** | |  |  | | |  | |  | |
| 4 | AC circuit breaker compatible with pump and inverter. Each string has its own breaker (OTDCP16, 16A) | | Pcs | 2 | | |  | |  | |
| 5 | 3\*25 mm Cable | | M | 45 | | |  | |  | |
| 6 | PV Disconnection Circuit Breaker, with minimum of 16Amp box appropriate for the number of modules and maximum voltage and current of the PV array. The PV breaker shall be supplied and installed for each string. | | pc | 2 | | |  | |  | |
| 7 | 6mm2 single core cable for DC Extension line from PV module | | M | 30 | | |  | |  | |
| 8 | Surge Protection device compatible with controller and pump motor OVR PV40-1000 | | pc | 1 | | |  | |  | |
| 9 | Lightning surge arrestor with copper strips of not less than 25mmx4mm supported by 2" GI pipe with minimum of 3m. | | pc | 1 | | |  | |  | |
| 10 | 5/8 100% copper earth rod with Clamp | | pc | 1 | | |  | |  | |
| 11 | 10mm2 Copper earth cable | | M | 10 | | |  | |  | |
| **PART C:** | **Fire Fighting & Electrical Board** | |  |  | | |  | |  | |
| 12 | 6 Kg Fire Extinguisher with minimum of 3 years expire date. The price includes red cabine box | | Pcs | 1 | | |  | |  | |
| 13 | Supply and install waterproof & secured switch board IP65 that can accommodate the inverter, breaker, surge protector and PV breaker. | | pc | 1 | | |  | |  | |
| **PART D:** | **Module support structure** | |  |  | | |  | |  | |
|  | Each Footing shall be spaced at 2m center to center in the string | |  |  | | |  | |  | |
| 14 | Implementation of (0.4x0.4x0.7) m reinforced concrete type C25 for all mounting foundations and all necessary related work as detailed in the shop drawings. This item includes all excavations, backfill around the footing and formwork. | | LS | 1 | | |  | |  | |
| 15 | Supply and erect a panel support structure made of 2'' Pipe poles welded with Ø10 bar for anchor at one end, 1 1/2" rafters bolted by U-bolt on to 2'' poles end plate, 40x40x3mm C-channel strut will be tied into rafter by U-bolt, the strut has 120 tilt and, the shorter pole shall be minimum of 0.8m above ground level to support the quantity of panels above. | | LS | 1 | | |  | |  | |
| **PART E:** | **Fencing Works and Commissioning** | |  |  | | |  | |  | |
| 16 | Fencing around the PV compound with 60x60x3mm angle GS Pipe pole stand to the height of 2.4m above ground level with 1m- 0.8m deep and 450 bend at top 40cm, and erecting using boulder-cement concrete C-20 concrete mix (40cm dia)concrete foundation and bracing diagonals at the corner. The fence shall be constructed from mesh wire (Gabion) of thickness 3 mm and mesh size – 50X50mm each, firmly fixed to the angle iron poles with fence ties. The top 40cm shall be fenced with barbed wire in two strips. The fence should have minimum of 2m distance from the PV Array. Supply and install sheet metal gate door (3mm thick) framed LTZ with size of 200x90cm. Price include painting of anti-rust paint to the angle iron and weld metal bar to anchor the post. NB; -The quality of all matreials should be approved by the Engineer | | LS | 1 | | |  | |  | |
| 17 | Transportation, Installation, Testing & commissioning including testing to determine the actual flowrate delivered by the system once the panels are installed for at least three hours. Based on the confirmation of pump performance during commissioning procedure. | | LS | 1 | | |  | |  | |
|  | **SUB TOTAL** | |  |  | | |  | |  | |
|  | **VAT-15%** | |  |  | | |  | |  | |
|  | **TOTAL Summary** | |  |  | | |  | |  | |

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| **Lot 2a** | **BOQ Solarization system for Guba Lafto (Hara Water Supply Scheme)** | | | | | | | | |
| **NO.** | **ITEM DESCRIPTION** | **UNIT** | | | **QTY** | | **Unit Price** | | **Total Price** |
| **PART A:** | **Main components** |  | | |  | |  | |  |
| 1 | Renewable Solar Inverter 3x380-480V IP54 37kW, Input Current: 87A. DC-AC inverter with Build-in MPPT (Maximum power point tracking). Frequency 50/60Hz, DC 400-800V | pc | | | 1 | |  | |  |
| 2 | Min. 575-Watt Mono crystalline solar modules. The price shall include PV combiner 1000VDC box. Note: Total Solar power required is 45KW and minimum number of strings is 8. | Pcs | | | 80 | |  | |  |
| **PART B:** | **Accessories & Power supply cables** |  | | |  | |  | |  |
| 3 | AC circuit breaker compatible with pump and inverter. Each string has its own breaker (OTDCP16, 16A) | Pcs | | | 8 | |  | |  |
| 4 | 3\*25 mm Cable | M | | | 45 | |  | |  |
| 5 | PV Disconnection Circuit Breaker, with minimum of 25Amp box appropriate for the number of modules and maximum voltage and current of the PV array. The PV breaker shall be supplied and installed for each string. | pc | | | 8 | |  | |  |
| 6 | 6mm2 single core cable for DC Extension line from PV module | M | | | 100 | |  | |  |
| 7 | Surge Protection device compatible with controller and pump motor OVR PV40-1000 | pc | | | 1 | |  | |  |
| 8 | Lightning surge arrestor with copper strips of not less than 25mmx4mm supported by 2" GI pipe with minimum of 3m. | pc | | | 1 | |  | |  |
| 9 | 5/8 100% copper earth rod with Clamp | pc | | | 1 | |  | |  |
| 10 | 10mm2 Copper earth cable | M | | | 10 | |  | |  |
| 11 | Change Over switch compatible with the inverter | Pcs | | | 1 | |  | |  |
| **PART C:** | **Fire Fighting & Electrical Board** |  | | |  | |  | |  |
| 12 | 6 Kg Fire Extinguisher with minimum of 3 years expire date. The price includes red cebine box | Pcs | | | 1 | |  | |  |
| 13 | Supply and install waterproof & secured switch board IP65 that can accommodate the inverter, breaker, surge protector and PV breaker. | pc | | | 1 | |  | |  |
| **PART D:** | **Module support structure** |  | | |  | |  | |  |
|  | Each Footing shall be spaced at 2m center to center in the string |  | | |  | |  | |  |
| 14 | Implementation of (0.4x0.4x0.7) m reinforced concrete type C25 for all mounting foundations and all necessary related work as detailed in the shop drawings. This item includes all excavations, backfill around the footing and formwork. | LS | | | 1 | |  | |  |
| 15 | Supply and erect a panel support structure made of 2'' Pipe poles welded with Ø10 bar for anchor at one end, 1 1/2" rafters bolted by U-bolt on to 2'' poles end plate, 40x40x3mm C-channel strut will be tied into rafter by U-bolt, the strut has 120 tilt and, the shorter pole shall be minimum of 0.8m above ground level to support the quantity of panels above. | LS | | | 1 | |  | |  |
| **PART E:** | **Fencing Works and Commissioning** |  | | |  | |  | |  |
| 16 | Fencing around the PV compound with 60x60x3mm angle GS Pipe pole stand to the height of 2.4m above ground level with 1m- 0.8m deep and 450 bend at top 40cm, and erecting using boulder-cement concrete C-20 concrete mix (40cm Dia) concrete foundation and bracing diagonals at the corner. The fence shall be constructed from mesh wire (Gabion) of thickness 3 mm and mesh size – 50X50mm each, firmly fixed to the angle iron poles with fence ties. The top 40cm shall be fenced with barbed wire in two strips. The fence should have minimum of 2m distance from the PV Array. Supply and install sheet metal gate door (3mm thick) framed LTZ with size of 200x90cm. Price include painting of anti-rust paint to the angle iron and weld metal bar to anchor the post. NB; -The quality of all materials should be approved by the Engineer | LS | | | 1 | |  | |  |
| 17 | Transportation, Installation, Testing & commissioning including testing to determine the actual flowrate delivered by the system once the panels are installed for at least three hours. Based on the confirmation of pump performance during commissioning procedure. | LS | | | 1 | |  | |  |
|  | **SUB TOTAL** |  | | |  | |  | |  |
|  | **VAT-15%** |  | | |  | |  | |  |
|  | **TOTAL Summary** |  | | |  | |  | |  |
| **Lot 2b** | **BOQ Solarization system for Guba Lafto (Amay Micha Water Supply Scheme)** | | | | | | | | |
| **NO.** | **ITEM DESCRIPTION** | | **UNIT** | **QTY** | | **Unit Price** | | **Total Price** | |
| **PART A:** | **Main components** | |  |  | |  | |  | |
| 1 | Renewable Solar Inverter 3x380-480V IP54 37kW, Input Current: 87A. DC-AC inverter with Build-in MPPT (Maximum power point tracking). Frequency 50/60Hz, DC 400-800V | | pc | 1 | |  | |  | |
| 2 | Min. 575-Watt Mono crystalline solar modules. The price shall include PV combiner 1000VDC box. Note: Total Solar power required is 40KW and minimum number of strings is 7. | | Pcs | 70 | |  | |  | |
| **PART B:** | **Accessories & Power supply cables** | |  |  | |  | |  | |
| 3 | AC circuit breaker compatible with pump and inverter. Each string has its own breaker (OTDCP16, 16A) | | Pcs | 7 | |  | |  | |
| 4 | 3\*25 mm Cable | | M | 45 | |  | |  | |
| 5 | PV Disconnection Circuit Breaker, with minimum of 25Amp box appropriate for the number of modules and maximum voltage and current of the PV array. The PV breaker shall be supplied and installed for each string. | | pc | 7 | |  | |  | |
| 6 | 6mm2 single core cable for DC Extension line from PV module | | M | 80 | |  | |  | |
| 7 | Surge Protection device compatible with controller and pump motor OVR PV40-1000 | | pc | 1 | |  | |  | |
| 8 | Lightning surge arrestor with copper strips of not less than 25mmx4mm supported by 2" GI pipe with minimum of 3m. | | pc | 1 | |  | |  | |
| 9 | 5/8 100% copper earth rod with Clamp | | pc | 1 | |  | |  | |
| 10 | 10mm2 Copper earth cable | | M | 10 | |  | |  | |
| 11 | Change Over switch compatible with the inverter | | Pcs | 1 | |  | |  | |
| **PART C:** | **Fire Fighting & Electrical Board** | |  |  | |  | |  | |
| 12 | 6 Kg Fire Extinguisher with minimum of 3 years expire date. The price includes red cebine box | | Pcs | 1 | |  | |  | |
| 13 | Supply and install waterproof & secured switch board IP65 that can accommodate the inverter, breaker, surge protector and PV breaker. | | pc | 1 | |  | |  | |
| **PART D:** | **Module support structure** | |  |  | |  | |  | |
|  | Each Footing shall be spaced at 2m center to center in the string | |  |  | |  | |  | |
| 14 | Implementation of (0.4x0.4x0.7) m reinforced concrete type C25 for all mounting foundations and all necessary related work as detailed in the shop drawings. This item includes all excavations, backfill around the footing and formwork. | | LS | 1 | |  | |  | |
| 15 | Supply and erect a panel support structure made of 2'' Pipe poles welded with Ø10 bar for anchor at one end, 1 1/2" rafters bolted by U-bolt on to 2'' poles end plate, 40x40x3mm C-channel strut will be tied into rafter by U-bolt, the strut has 120 tilt and, the shorter pole shall be minimum of 0.8m above ground level to support the quantity of panels above. | | LS | 1 | |  | |  | |
| **PART E:** | **Fencing Works and Commissioning** | |  |  | |  | |  | |
| 16 | Fencing around the PV compound with 60x60x3mm angle GS Pipe pole stand to the height of 2.4m above ground level with 1m- 0.8m deep and 450 bend at top 40cm, and erecting using boulder-cement concrete C-20 concrete mix (40cm Dia) concrete foundation and bracing diagonals at the corner. The fence shall be constructed from mesh wire (Gabion) of thickness 3 mm and mesh size – 50X50mm each, firmly fixed to the angle iron poles with fence ties. The top 40cm shall be fenced with barbed wire in two strips. The fence should have minimum of 2m distance from the PV Array. Supply and install sheet metal gate door (3mm thick) framed LTZ with size of 200x90cm. Price include painting of anti-rust paint to the angle iron and weld metal bar to anchor the post. NB: -The quality of all materials should be approved by the Engineer | | LS | 1 | |  | |  | |
| 17 | Transportation, Installation, Testing & commissioning including testing to determine the actual flowrate delivered by the system once the panels are installed for at least three hours. Based on the confirmation of pump performance during commissioning procedure. | | LS | 1 | |  | |  | |
|  | **SUB TOTAL** | |  |  | |  | |  | |
|  | **VAT-15%** | |  |  | |  | |  | |
|  | **TOTAL Summary** | |  |  | |  | |  | |

# Appendix 4 - GOAL terms and conditions

Attached as a separate document.

# Appendix 5 - GOAL contract template

Attached as a separate document.

# Appendix 6 - GOAL Supplier code of conduct

Attached as a separate document.

# Annex 1- 11 Bill of Quantities (BOQ)/Drawings -Structure

Attached as a separate document.

1. Annex 1, BOQ for Workie
2. Annex 2, BOQ for Ayub
3. Annex 3, BOQ for Tigre Mendre
4. Annex 4, BOQ for Hara
5. Annex 5, BOQ for Amay Mecha
6. Annex 6, Deep well solar mounting structure
7. Annex 7, Bore Holes Design
8. Annex 8, Mounting Structure detail design
9. Annex 9, Technical specifications
10. Annex 10, Confirmation of Pump Performance During Commissioning
11. Annex 11, Wire mesh fence drawing

1. [↑](#footnote-ref-2)