

NATIONAL CALL FOR TENDER
INSTRUCTIONS TO BIDDERS - ACTED Iraq

Date: 30/08/2020

Tender N°: T/10DVI/57F/RWI/TELAFAR/30-08-2020/001

ACTED (Agency for Technical Cooperation and Development) is implementing a humanitarian aid project and inviting contractors to submit offers for the rehabilitation of water infrastructure (water networks) in Ninewah Governorate - Tel Afar.

GENERAL WORKS DESCRIPTION

1. Description: SUPPLYING AND INSTALLING GATE VALVES, INSPECTION STRUCTURES AND POLYETHYLENE PIPES IN THREE NEIGHBOURHOODS IN TEL AFAR, NINEWAH.

The contractor is responsible for all kind of works, which include professional and technical services, supplies, equipment and materials, labour force, freight costs, installation costs, configuration, testing, operation, and all related works/services to provide a fully operational facility, structure and equipment according to suggested standards. The full scope of work of each lot is detailed in the Technical Conditions Book that starts on page nine (9).

2. Product class / category: Works / Engineering
3. Product stage: Finished (Full scale and operational)
4. INCOTERM: DDP – to the addresses mentioned below

Lot #	Description	Product category	Product stage	INCOTERM/Delivery Point and Deadline
1	LOT 1: Water network rehabilitation, Al-Jazeera neighbourhood in Tel Afar city (coordinates: 36.37056 N, 42.45784 E).	Works/Engineering	Finished	DDP – to the addresses mentioned in the description. Delivery deadline: two weeks after contract signature.
2	LOT 2: Water network rehabilitation, Al-Wahda neighbourhood in Tel Afar city (coordinates: 36.37547 N, 42.43966 E).	Works/Engineering	Finished	DDP – to the addresses mentioned in the description. Delivery deadline: four weeks after contract signature.
3	LOT 3: Water network rehabilitation, Al-Nida neighbourhood in Tel Afar city (coordinates: 36.36421 N, 42.42957 E).	Works/Engineering	Finished	DDP – to the addresses mentioned in the description. Delivery deadline: six weeks after contract signature.

RESPONSIBILITIES OF THE CONTRACTOR:

1. Terms of delivery: _____
2. Date of delivery: _____
3. Validity of the offer: _____ Recommended: Six (6) months

TENDER PROCESS TIMEFRAME

08/09/2020 – 11:00 AM (Iraq time): Presentation session of the tendering document and tendering process. For any information regarding this presentation session, please send an e-mail to iraq.tender-questions@acted.org cc iraq.tender@acted.org.

ACTED reserves the right to change the date of the presentation session or to cancel it.

17/09/2020 – 04:00 PM (Iraq time): Bid closing date

Any and all bids submitted after this date will not be considered eligible.

Bidders are encouraged to send their bids by e-mail to iraq.tender@acted.org cc tender@acted.org

22/09/2020 – 02:00 PM (Iraq time): The tender Opening session will take place after the closing date of the tender, in the ACTED representative office in Erbil, IRAQ, 6th street (Khabat street) on the right after Ankawa intersection, 1st street on the right, House #: 240/1/467 Hadiyab quarter, Ainkawa, Erbil, Iraq.

Any bidders interested in having information about the tender opening session should send an e-mail to iraq.tender@acted.org cc tender@acted.org.

PROJECT OVERVIEW

A. CONTEXT:

The proposed project aims at addressing the most pressing multi-sectorial needs of the conflict affected vulnerable population across Ninewah governorate, in in-camp and out-of-camp areas of return/displacement where the significant pockets of vulnerability remain.

The overall objective of the project is to tackle the need of those most vulnerable through the provision of area-based assistance with a focus on Mosul and Telafar.

Water availability is a primary concern in the targeted area as per the WASH baseline conducted under a previous ACTED project in the area. Only 4% of the respondents in Telafar and Mosul declared having access to water seven days a week while 48% of them only receive water one day a week, while the majority (54%) responded that water was available only during six hours or less a day.

The Directorate of Water estimates that around 75% of water networks still need rehabilitation. The projects will be selected based on the following criteria: 1) the needs within the selected communities; 2) the capacity of ACTED to identify service providers to repair the existing water network; and 3) the consideration of how ACTED can most effectively support vulnerable communities.

Lastly, by Focusing on water networks we will be able to respond to the following objectives:

- 1) ensure to respond to the local authorities' priorities,
- 2) avoid the duplication of works as the DoW reported that most organizations are working on water treatment plant and booster pump station,
- 3) improving both the water quality and quantity to a wide number of people.

B. SUBJECT ACTIVITIES:

Numerous infrastructures related to water access, supply and treatment are damaged throughout Ninewah Governorate as a result of the post-conflict scenario since 2017. Therefore, ACTED aims to repair, upgrade and rehabilitate a total of four sites with a scope of work detailed in hereby document.

The focus of this intervention work is in Ninewah Governorate (Telafar Districts) considering: the rehabilitation of three water network rehabilitation.

Each location identified for intervention is hereafter referred to as “site”. It is assumed, from initial assessments, that there are four sites within the proposed contract, expected to be fully completed and validated by a designated ACTED supervisor and DoW representative within the forecasted contract period.

C. CONSTRUCTION PERIOD:

SIX (6) WEEKS OVERALL FOR LOTS 1, 2, AND 3. Bidders need to provide a clear construction work plan in the form of a Gantt Chart with clearly established working days, amount of labour work and activity description. The work plan must be coherent with the Bill of Quantities (BoQ) and all technical specifications for each site, including two (2) weeks of support for the commissioning period.

During the two (2) week period, the contractor is requested to mobilize all resources to the field and make necessary procurement to start work at site level. In addition, this period will be reflected by a warranty held until the end of the handover and assisted operation period. Noteworthy that the construction or implementation period starts from the date in which both parties sign the final contractual documents.

D. DEFINITION OF THE END OF THE CONSTRUCTION:

The construction or implementation period will be considered completed after the following:

1. All services work completed as specified by ACTED's technical team, communicated by the contractor, a “partial completion of certification” will be provided by ACTED's Program Manager, based on on-site quality and quantity control visit throughout the construction phase including Directorate of Water involvement;
2. By the end of the warranty period, defined in the technical description, a “Final completion of certification” will be provided by ACTED's Program Manager, based on continuous follow-up of the with Directorate of Water involvement.

E. GENERAL CONDITIONS:

The **closing date** of this tender is on the **17th of September, 2020 at 04:00 PM (Iraq time)**. All the documentation must be sent by emailed to both: iraq.tender@acted.org Cc tender@acted.org. **In case of electronic submission, please:**

- Mention the **tender reference number** mentioned above in the subject tab.
- Fill the tender document, sign, stamp, scan and send them. **Electronic stamp and signatures are not acceptable.**

Or if the situation allows it, bidders can submit their bids at one of ACTED's offices at the following addresses:

- **ACTED representative office in Erbil, IRAQ**, 6th street (Khabat street) on the right after Ankawa intersection, 1st street on the right, House #: 240/1/467 Hadiyab quarter, Ainkawa, Erbil, Iraq.

1. All documents shall be submitted in English. Certificates and official documents shall be submitted in English (**Compulsory**), Kurdish and/or Arabic (optional).
2. Bidders will fill, sign, stamp and return **all** the pages of this document according to ACTED's format (**Compulsory**)
3. The bidder should demonstrate his technical, financial, human resources and logistics capacity to implement all the submitted lots or sites, according to the work plan in the requested completion time.
4. The final offer must be submitted to ACTED logistics department as below:
 - Signed and stamped Technical Proposal, Technical Terms and Conditions (**compulsory**).
 - Signed and stamped “Instructions to Bidders” “Bidders questionnaire” and “ethical declaration” (**compulsory**).
 - Company registration papers (Valid).
 - Tax clearance certificate (Valid).

- List and evidence of experience undertaking similar work (**compulsory**).
 - List of key personnel allocated to the project for management and technical support with updated CVs (**compulsory**).
 - List and evidence of company assets allocated to the project (**compulsory**).
 - Gantt chart of the activities (**compulsory**).
 - Other supporting documents (If applicable).
 - Certificate of Origin (If requested).
 - Datasheets, catalogues or any other supporting technical documents are appreciated.
 - All sections of the technical proposal document must be compiled accordingly.
 - Copy of the bidder's Identification Documents (ID).
 - Signed and stamped financial offer (offer form) (**compulsory**).
 - Full bidder's name and address (**compulsory**).
 - Offer validity (Recommended: 6 months or more) (**compulsory**).
 - Proof of Financial Capacity (bank statements/Financial Reports).
5. Unsealed envelopes and late bids will automatically be rejected.
 6. The bid will not directly result in the award of the contract.
 7. ACTED reserves the right to grant the lots to different suppliers
 8. ACTED reserves the right to cancel this tender.
 9. Prices are mandatory in US Dollar (**USD**) including VAT and any/all other applicable tax.
 10. The quantities and specifications may be subject to change based on the project's scope of work reassessed at field level.
 11. In case of any calculation mistakes, the unit price will be considered.
 12. **In case of miscalculation of prices, please discard the page. Any alterations, including the use of correction fluid (white ink), will render your offer invalid.**
 13. The contractor shall follow Iraqi Standards for construction activities: General Conditions of Contract for Kurdistan Regional Government, Guidelines and Technical Specifications of Iraq (IGTS), Specifications of Housing and Reconstruction, Republic of Iraq, Iraqi technical specifications for Electrical works, National Environmental Guidelines, Work Safety Policies, Testing Specifications (NCCL&R).
 14. During the implementation of this project, the successful bidder will report technically to ACTED's WASH Program Manager and ACTED's Site Supervisor.
 15. **The successful bidder shall demonstrate enough liquidity and financial capacity to implement the project with partial reception of payment or in case of transfer delays due to force majeure.**
 16. To ensure that funds are used exclusively for humanitarian purposes and in accordance with donors' compliance requirements, all contract offers are subject to the condition that contractors do not appear on anti-terrorism lists, in line with ACTED's anti-terrorism policy. To this end, ACTED reserves the right to carry out anti-terrorism checks on contractor, its board members, staff, volunteers, consultants, financial service providers and sub-contractor.

NOTE: ACTED adopts a zero tolerance approach towards corruption and is committed to respecting the highest standards in terms of efficiency, responsibility and transparency in its activities. In particular, ACTED has adopted a participatory approach to promote and ensure transparency within the organization and has set up a Transparency focal point (Transparency Team supervised by the Director of Audit and Transparency) via a specific e-mail address. As such, if you witness or suspect any unlawful, improper or unethical act or business practices (such as soliciting, accepting or attempting to provide or accept any kickback) during the tendering process, please send an e-mail to transparency@acted.org.

F. SPECIFIC CONDITIONS:

1. All units of measurement shall be in accordance with the S.I. system of metric unit.

2. Bidders should provide their offer in accordance to the BoQ (Budget of Quotations) and Technical Specifications provided (**compulsory**).
3. Bidders must present a valid copy of all their registration within Ninewah Governorate - Federal Iraq or demonstrate capacity to be legally able to work in the area before the signature of the contract.
4. ACTED reserves the right to contact previous experiences and any financial or security authority for verification.
5. The contractor will adhere to the ACTED Environmental Management and Monitoring Plan (EMMP):
 - a) During the construction phase of the project
 - b) During the operational phase of this project
 - c) Both phases must include the following topics, but not limited to:
 - Soils, Geotechnics, Geology and Hydro-geology
 - Emergency Manual and Emergency Contingency Plan
 - Water resources (surface and groundwater protection)
 - Air quality
 - Noise and Vibration
 - Public Health & Safety (Staff and residents)

G. Selection Criteria:

In order to have the best selection possible, ACTED Iraq will follow the below selection process:

A tender opening committee will be organized, during which all offers received will be opened, except the ones received after the submission deadline. An administrative check will be conducted, to make sure all mandatory documents have been included in the received bids. Bids without all mandatory documents are considered ineligible and are not further considered in the selection process (out of the PRO-08 - Procurement Memo).

All eligible offers administratively will be financially checked and scored according to the Total price in Iraqi Dinars (IQD) or in US Dollars (USD), a Financial Score (40 points maximum) is calculated (Lowest Total Price/Supplier Total Price * 40).

Bids will then be sent to the Program department to conduct the Technical Evaluation (60 points maximum) according to the Technical Grid. Bidders receiving a Technical Score lower than forty (40) points will be automatically rejected and not further considered in the selection process.

The bidder receiving the highest Total Score (Financial score + Technical Score) will be awarded the procurement contract.

Name & Position of Bidder's authorized representative _____

Authorized signature _____

Stamp:

END OF INSTRUCTIONS TO BIDDERS

Technical Evaluation - ACTED Iraq

- **Work Experience 24 points out of the total of 60 points for the technical evaluation.**

Note: Use a separate sheet to elaborate

Table 1: Company Experience

[illegible]

Evaluation in terms:

- General work Experience (total years and experience in the field): **3 points.**
- Particular work experience relevant to the scope that includes: **15 points.**
 - o Experience in water infrastructure rehabilitations (Such as treatment units, Boster pump station and Water network rehabilitations projects
 - o Experience working with INGOs in same context (Ninawa Governarate)
 - o Previous Experience Working with ACTED.
 - o Projects Duration, Budget and References.
 - o Total value of the completed Projects.
- Experience with NGO as a client (reference crosschecked): **6 points.**

- **Personnel (Both General and allocated to the project) 18 points out of the total of 60 points for the technical evaluation.**

The offer must include a detailed CV for each staff, clearly integrating and representing the Management Structure and Technical Support Structure.

Minimum requirements are set per rehabilitation lot expect for the management structure:

Management structure:

- General Manager/CEO 6+ Years' Experience.
- Senior Project Manager 5+ Years' Experience.
- Admin/Finance Officer 4+ Years' Experience.
- HR Officer 4+ Years' Experience.
- Procurement officer 5+ Years' Experience.

Technical support structure and field technicians: Could be shared between sites, if sequence of the proposed activities in the work plan allows:

- 1 Site Supervisor - Eng. 5+ Years' Experience.
- 1 Head Civil Eng. 4+ Years' Experience..
- 1 Mechanical Eng. 4+ Years' Experience.
- 1 Surveyor . 5+ Years' Experience.
- 1 Security Manager 3+ Years' Experience.
- 1 Safety/security officer. 3+ Years' Experience.

- 2 Plumbers/pipe fitters. 10+ Years' Experience.
- 1 Head foreman. 10+ Years' Experience.
- 3 Daily labor.

The evaluation is in terms of:

- Management structure and qualification (Academic background and total number of years of experience): **3 points.**
- Technical support structure and field technicians (Number and experience of civil, mechanical and electrical engineers): **15 points.**

The evaluation of the personnel shall take into consideration the company current ongoing projects compared to the scale of the tender and the required staff to complete the works on time and to maintain the quality standards.

Table 2: Management structure

NAME	POSITION	ACADEMIC QUALIFICATION	TOTAL YEARS OF EXPERIENCE

Table 3: Technical support structure and field technicians

NAME	POSITION	ACADEMIC QUALIFICATION	TOTAL YEARS OF EXPERIENCE

The offer has to include the detailed CV of of each staff integrating the Management Structure and the Technical Support Structure.

- **Company Assets (Both General and allocated to the project) 12 points out of the total of 60 points for the technical evaluation.**

Minimum requirements depend on each site needs, as requested for completion in both quantitative and qualitative manner, the bidder should have, but not be limited to, the following per site:

Lot 1, 2 and 3 : 1 excavator (JCB) with bucket 40cm and 50cm, 1 tipper truck 12m3, 1 jack hammer (air compresor, electrical or hydrolic pecker attached to excavation machinery), 1 concrete cutter, 1 concrete mixer with pump, 1 walk-behind, roller/plate compactor that fit into trench, 1 generator, 1 water truck, 1 two ton crane, 1 HDPE electro fusion welding machine, 1 concrete mix vibrators, security/safety items (tape, cones, etc.) for site.

ASSET	MODEL	NUMBER	OWNERSHIP STATUS

The evaluation should include:

- List of equipment owned by the company: **12 points**.

The evaluation of the company assets shall take into consideration the company current ongoing projects compared to the scale of the tender and the required equipment to complete the works

- **Proposed Work Plan 6 points out of the total of 60 points for the technical evaluation.**

Please attach your Gantt Chart.

Evaluation in terms:

- Logical sequence of the works breakdown: **3 points**.
- Timeframe compared to the project duration: **3 points**.

- **Notes:**

- Please note that the technical evaluation scoring is made of 60 points.
- Bidders receiving a Technical Score lower than forty (40) points will be automatically rejected and not further considered in the selection process or if one of the following disqualifying factors applies:
 - o Zero proven experience in the field of the service the supplier is applying for.
 - o Proposed workplan is not fit to the project duration.
 - o Origin/ specification is not fit or not equivalent to the one described in the tender documents.
- The bidder receiving the highest Total Score (Financial score + Technical Score) will be awarded the procurement contract.
- ACTED has the right to cancel any of the locations or projects listed under each lot if necessary, based on the need on ground.
- The bidders cannot submit more than one (1) offer under same company name.
- Each Bid shall include a unique Company representative and Signature, Phone Number, Stamp, and Email Address. And any similarities founded will result in rejecting all related bidders.
- **ACTED will require an operation clearance letter and/or JCMC permission from Ninewah Governorate for the successful bidders.**

Name & Position of Bidder's authorized representative: _____

Authorized signature: _____

Stamp:

Technical Conditions Book (TCB) - ACTED Iraq

Chapter 1: Introduction

1.1. LOT 1: Water network rehabilitation, Al-Jazeera neighbourhood in Tel Afar city (coordinates: 36.37056 N, 42.45784 E).

1.1.1. Purpose of the project:

This project is part of a larger program to improve community resilience through investment in community water, hygiene (WASH) infrastructure. The purpose of hereby intervention is to provide a reliable water supply in both quantity and quality, ensuring that enough water is accessing to the targeted beneficiaries.

1.1.2. Purpose of TCB (Technical Conditions Book):

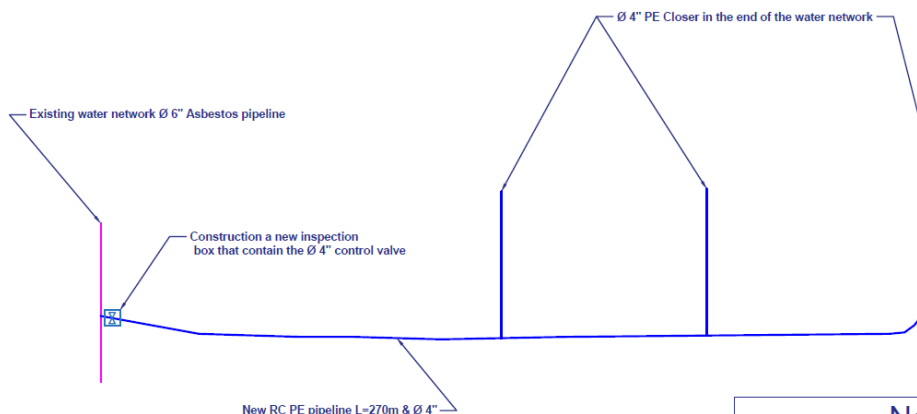
The purpose of this TCB is to complete all the necessary work under this site, according to the specifications and quantities detailed in the third and fourth chapters.

1.1.3. Scope of Work:


The requested works include, the supply and installation of gate valves which controls water distribution between sectors within Al-Jazeera, the construction/installation of inspection structures for gate valves to facilitate easy accessibility to conduct routine operation and maintenance.

And finally, the supply and installation of HDPE (polyethylene) pipes with diameter of 110 mm, with the total length of 270m. All direct and ancillary works related to the pipelaying will be the responsibility of the successful supplier. This includes, but is not limited to site clearance, locating existing services, excavation, installing and compacting bedding layer, laying pipes, installing house connections, backfilling and compacting blanket with in-situ material, backfilling and compacting with commercially sources sub-base and finally reinstating the concrete pavement. This pipe section will be embedded and connected to the existing network at both ends with a water flow test prior to the installation to make sure the supply is adequate and running.

1.1.4. Site presentation:



Notes

- Existing water network
- New water network
- connection point
-  inspection box
- PE Polyethylene pipeline
- RC Resistance crack

1.2. LOT 2: Water network rehabilitation, Al-Wahda neighbourhood in Tel Afar city (coordinates: 36.37547 N, 42.43966 E).

1.2.1. Purpose of the project:

This project is part of a larger program to improve community resilience through investment in community water, hygiene (WASH) infrastructure. The purpose of hereby rehabilitation is to increase the quantity and quality of the water ensuring water availability to targeted service area.

1.2.2. Purpose of TCB (Technical Conditions Book):

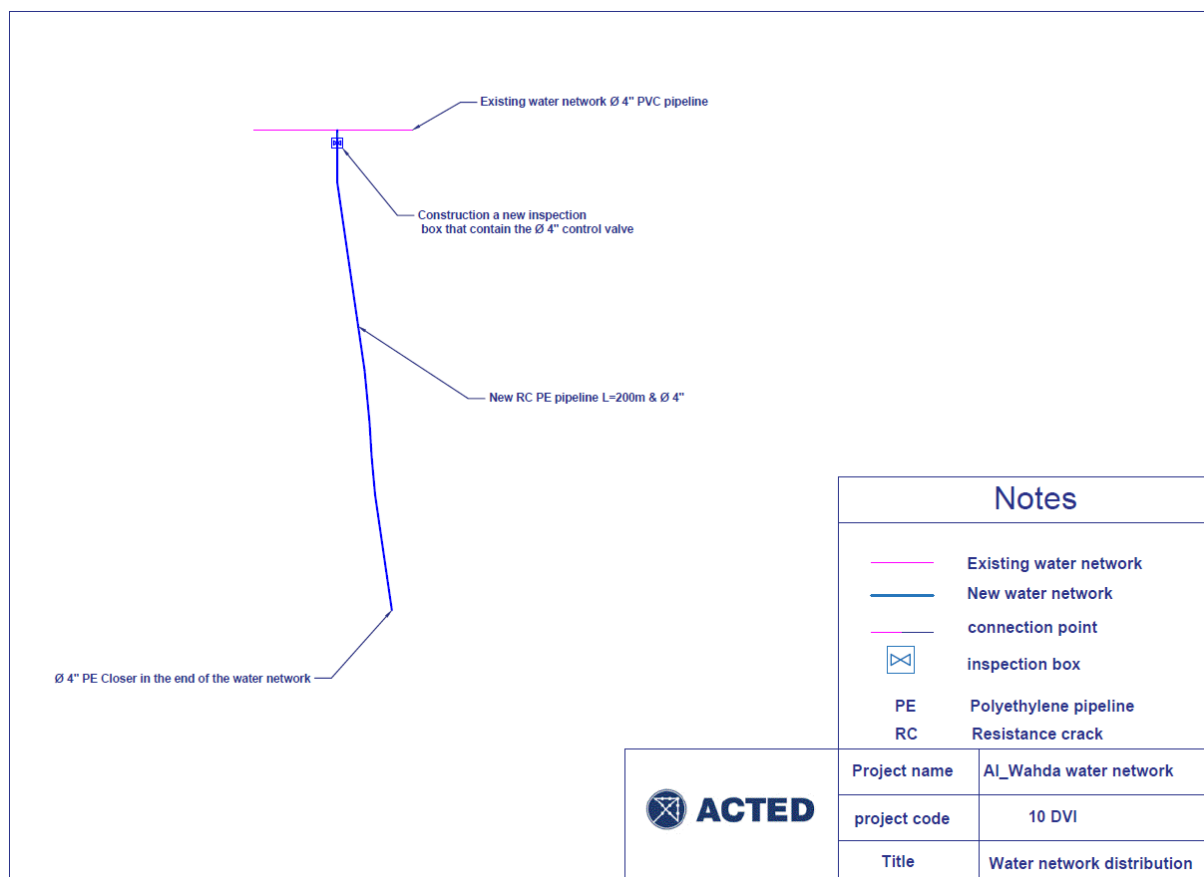
The purpose of this TCB is to complete all the necessary work under this project, according to the specifications and quantities detailed in the third and fourth chapters.

1.2.3. Scope of Work:

The requested works include, the supply and installation of gate valves which controls water distribution between sectors within Al-Wahda, the construction/installation of inspection structures for gate valves to facilitate easy accessibility to conduct routine operation and maintenance.

And finally, the supply and installation of HDPE (polyethylene) pipes with diameter of 110 mm, with the total length of 200m. All direct and ancillary works related to the pipelaying will be the responsibility of the successful supplier. This include, but is not limited to site clearance, locating existing services, excavation, installing and compacting bedding layer, laying pipes, installing house connections, backfilling and compacting blanket with in-situ material, backfilling and compacting with commercially sources sub-base and finally reinstating the concrete pavement. This pipe section will be embedded and connected to the existing network at both ends with a water flow test prior to the installation to make sure the supply is adequate and running.

1.2.4. Site presentation:



1.3. LOT 3: Water network rehabilitation, Al-Nida neighbourhood in Tel Afar city (coordinates: 36.36421 N, 42.42957 E).

1.3.1. Purpose of the project:

This project is part of a larger program to improve community resilience through investment in community water, hygiene (WASH) infrastructure. The purpose of hereby rehabilitation is to increase the quantity and quality of the water ensuring water availability to targeted service area.

1.3.2. Purpose of TCB (Technical Conditions Book):

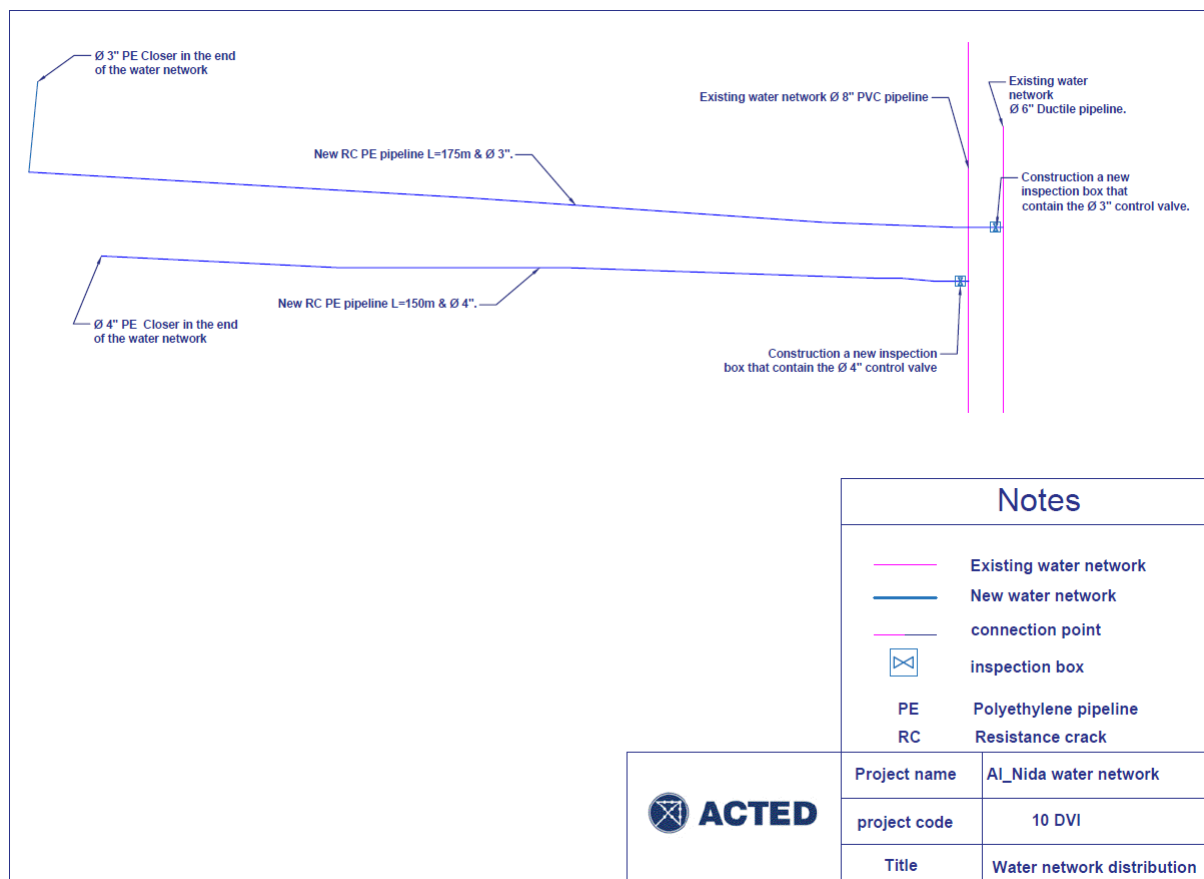
The purpose of this TCB is to complete all the necessary work under this project, according to the specifications and quantities detailed in the third and fourth chapters.

1.3.3. Scope of Work:

The requested works include, the supply and installation of gate valves which controls water distribution between sectors within Al-Nida, the construction of inspection structures for gate valves to facilitate easy accessibility to conduct routine operation and maintenance.

And finally, the supply and installation of HDPE (polyethylene) pipes with diameter of 110 mm, with the total length of 150m and the supply and installation of HDPE (polyethylene) pipes with diameter of 75 mm, with the total length of 175m. All direct and ancillary works related to the pipelaying will be the responsibility of the successful supplier. This include, but is not limited to site clearance, locating existing services, excavation, installing and compacting bedding layer, laying pipes, installing house connections, backfilling and compacting blanket with in-situ material, backfilling and compacting with commercially sources sub-base and finally reinstating the concrete pavement. This pipe section will be embedded and connected to the existing network at both ends with a water flow test prior to the installation to make sure the supply is adequate and running.

1.3.4. Site presentation:



Chapter 2: General Requirements for all LOTS:

General Requirements include overview of the works needed to be done in water infrastructure rehabilitations as follows:

- The bidder is required to have the technical expertise and financial capability to carry out such works.
- The bidder shall attach with his financial and technical offer all documents proving the implementation of similar projects. The organization shall have the right to check the contractor's workshop and assess his experience with specialized questions to know his ability to execute the works.
- Contractor is invited to visit the site and to have carried out all the analyzes necessary to determine the characteristics of the materials and equipment used or installed for the construction site's achievements.
- The contractor must take care of all the deficiencies (for the installation work of the equipment listed in the book of conditions) and to complete any work in successfully.
- The contractor must test all the equipments installed by him for 24 hours after installation and all costs associated to be incurred to the contractor.
- 9 months period is suggested as fully functional warranty period of the installed equipment and performed works.
- Any modifications to the original design must be agreed prior of the implementation after discussion and agreement of all parties involved.
- Any minor work updates at site level must be checked by ACTED's on-site supervisor with a proper communication to the manager/supervisor.
- All execution work have to be done according the BOQ , technical specification and drawing, the work should be monitored and approved by on site ACTED site supervisor and DOW engineers.
- If any work don't comply with the technical specifications and standard quality during the implementation, ACTED and DOW on site engineers are entitled to cancel the work and to ask the contractor to re-implement the work.
- The bidder must be aware of all Iraqi regulations and apply them rigourously additionnaly to the technical specifications detailed in this document during the implementation.
- The bidder must provide the technical specifications of the materials, the country of origin and the type of all the materials submitted by him, all items have to be new and not refurbished and highest marks will be given for the best quality materials. Catalogues to be submitted also.
- **Only new items/equipments are accepted.** All materials and supplies (products) involved in the composition of the works will be of first quality and will come from approved factories. The site supervisor will be allowed during all the construction phase to control all equipment and material origin and ask documentation and additional certification to the contractor;
- All materials, equipments and supplies used in the composition of works, such as cement, admixtures, pipes, fittings, valves, gabions, fencing, etc., must meet the Iraqi standards, or specific internation standard if required in the technical specification.

Note: ACTED has the right to reject the technical offers in case the specifications of items are not clear and in case of incompleted offers after reporting this to the bidder and giving a period of time, to be determined by ACTED, and the contractor did not answer within that period.

Safety and Security:

The Contractor is responsible for the security of his personnel, equipment and machinery.
ACTED cannot be held responsible for any damages incurred by injury, damage or loss.

- The Contractor will ensure that the appropriate safety equipment is permanently available on all sites. The Contractor is responsible for the site safety:
- The Contractor will ensure that at any time, including after working hours, the site is identified with warning signs barriers, to avoid access to unauthorized persons, especially children.
- The contractor will guarantee the full-time presence of one experienced and qualified worker per site in charge of the safety of the operations.
- The Contractor will provide and thereafter maintain insurance against all risks in respect of its property and any equipment used for the execution of this Contract. ACTED shall bear no responsibility over losses or

damages of the procured products incurred during the performance period and before acceptance of said products.

- The Contractor will provide and thereafter maintain all appropriate workmen's compensation and liability insurance, or its equivalent, with respect to the Republic of Iraq social security law.

The Contractor remains fully responsible, at any time, for his equipment and staff. In case of equipment loss or staff injury, ACTED will in no case be held responsible.

Chapter 3: Technical Specifications all Lots

3.1. Field installation/preparation

- All expenses for the installation of site as well as for the store, its installation, maintenance, guarding and demolition, unloading, classification as well as the depositing of the material are the responsibility of the Contractor.
- The Contractor will also be responsible for the supply and installation of the construction signs as directed by the project manager or his representative. He will maintain an inventory of the store.
- The Contractor must accept the land/site in the state as it is. At the site and around the planned works, the soil will be carefully cleaned and cleared of any objects or materials that may be found there. The site on which the structure is to be built shall be cleared, and all obstructions loose stone, materials and debris of all kind bush wood and trees shall be removed. And removal of said materials outside the field boundaries to be disposed in a manner defined by the project manager and site supervisor.
- The Contractor shall assume full responsibility for alignment, elevation and dimension of each and all 'parts of the work. Contractor shall supply labours materials, etc. required for setting out the reference marks and bench 'marks and shall maintain them as long as required and directed.
- The Contractor shall make all necessary arrangements and provide all artificial lighting and power for the proper execution and security of the Works and its protection. With all meters temporary wiring and fittings, pay all charges and alter, adapt and maintain the temporary works as necessary and remove and make good at completion
- The Contractor shall provide and install all necessary hoists, ladders, scaffolding. Staging, tackles, tarpaulins, tools, vehicles, and other plant (mechanical and otherwise) and allow for altering adapting and maintaining them in good condition as necessary and eventually removing from site and making good.
- The Contractor is to provide all temporary barriers, fencing, hoarding, guard rails, gates, and the like as may be necessary to protect the public and others, for proper execution of the Works and shall remove and clear away at completion of the Works and make good all work disturbed.

3.2. Transportation and Storage

- Transport and import all items required as described in BoQ from inside or outside country to the site of the work is the responsibility of the contractor.
- The contractor is responsible to make his own approvals or documents to pass checkpoints to Telafar or Mosul for transportation of materials and staff.
- The Contractor ensures the protection of the equipment during all transport operations.
- The Contractor ensures the transport and the unloading of his equipment as well as the necessary handling for the installation of appropriate storage places. Furthermore, the Contractor is responsible for the good conservation of his material, and before assembly he will know:
- The storage places at his disposal;
- The ambient conditions of these locations.
- The Contractor will take all provisions for packaging of spare parts, specifying the conditions of their storage to ensure their perfect preservation until the moment of their use.
- The Contractor is responsible for repairing any damage that occur while working (pumps, cables, pipes, tanks, etc...).
- The Contractor has to provide certificate of origin for each of the items that will be utilized in the work and needs to be confirmed by DOW of Ninewah.

3.3. For water networks installations:

1. Conduct a site visit and survey the area
2. Clear and level the worksite, with disposal of all trash
3. Excavate trenches as indicated in the provided plans
4. Cut, clear and dispose of concrete, asphalt, old pipework, and other trash
5. Install the new pipes as indicated in the BoQ and technical documents and connect to the existing main water supply system
6. Install valves and manholes concurrently in locations as indicated in the provided plans
7. Disconnect the old pipework connections and dispose them to a place that is determined by the DoW.
8. Clean and pressure test for the newly installed network.
9. Fill and compact the excavated trench with soil
10. Laying new virgin concrete
11. Clean the worksite and remove all trash
12. Participate in handover to local authorities
13. And all the activities required to achieved the work of the BoQ, according to the national standard and the technical descriptions

Due diligence must be observed at all time to minimize disruption of water supply. Disconnections from the existing water network to the installation of the new water network will occur only under instruction by local authorities to reduce downtime in water supply. It is forecasted that steps 2 to 6 will occur in stages to achieve this. Each stage will consist of only a section of the community and water network. The stages will be identified during the site visit in consultation with local authorities. Works at all time will be conducted in coordination and under supervision with engineers from ACTED and the local authorities.

3.4. Compliance with standards - lack of standards

- Origins, qualities, characteristics, types, dimensions and masses, methods of marking, testing, checking and receiving materials and materials must comply with ISO standards or standards in force in Iraq, approved or in force at the time of signing the contract.
- The Contractor must know the Iraqi "standards" and International technical norms associated with the scope of the work.
- Similarly, to the extent that the Contractor applies different standards and deviates from those referenced, the bidder will be required to specify the standards adopted. ACTED, in this case, reserves the right to accept or not these standards.
- The standards and regulations referred to in this document are indicative in order to specify the quality and usual rules of resistance and performance desired.

3.5. Organization, safety and hygiene of construction sites

- The Contractor has submitted with his offer a proposal for the installation of his own site with indication of the storage area, warehouse, etc. and the desired location in the field, will receive from the Project Manager the final instructions for the installation of the site.
- Facilities such as fencing, guarding, security, etc. will be installed and safety equipment will be provided by the Contractor and maintained during the turnaround time.

Chapter 4 : Coordination and Contract Management

4.1. Contact Focal Point

The contractor must provide the contact list of the focal points in charge of all official communication to and with ACTED. The communication will include but is not limited to:

- The contract management to the logistic department;
- The follow up of the work and all the field aspect to the program department;
- The financial coordination with the Finance department of ACTED.

4.2. Coordination and supervision meeting

- During the duration of the work, the ACTED project manager and site supervisor or a representative will organize periodic or ad-hoc meetings on the site or in any other appropriate place.
- The Contractor or his duly delegated and qualified representative will attend all these meetings.
- Ordinary meetings will be held on a weekly basis and special meetings will be held in case of any parties' needs. In all cases, the findings and recommendations will be recorded in the site book set up for this purpose by the contractor, and meeting minutes with an attendance sheet will be taken and validated.
- A kick-off meeting prior to the start of the works will be organized to validate the technical documents related to the execution of the contract.

Chapter 5: Handover Process for All Lots.

The Handover process will be applied for all lots in the same way as follows:

5.1. Testing and Certificates

- The contractor should provide certificate of inspection for the transformer from the Directorate of Water in Ninewa.
- The contractor should provide certificates of origin for the pipes, valves and the other accessories.
- The contractor shall perform all the necessary tests to prove the validity of all the installed equipment and their conformity with the aforementioned technical specifications at his expense and his responsibility.
- A commissioning period will be included in the workplan before following the construction period, and before the certificate of completion.

5.2. Project Final Handover

- The completion of the project will see the whole construction of all infrastructures required and the provision of the operation period previously stipulated. The project will be closed, two weeks after successful testing has been carried out and the project deliverables have been handed over successfully to the management of the Ninewah Municipality and Directorate of Water.
- The supplier shall attach any available reports, manual, technical details and specifications, and catalogs that confirms the comparability of the proposed items.

Chapter 6 : Warranty

- The warranty period is set at one (01) year from the date of certification of completion. The guarantee will necessarily cover all the parts of the various elements of the installation for which a defect of construction will be observed during the first year of operation.
- The Contractor will be required to perform or have repairs and corrections made within one month after finding any faults in the operation of the project. In this case, the Contractor must carry out all repairs, within a maximum of five (05) days after the verbal or written transmission of the information, unless exceptional cases have been specified.
- The Contractor shall proceed immediately, and at his expense, to the repair of any installations that do not correspond to the execution plans or the technical specifications and which will be demanded by the project manager or site supervisor.
- Relevant and appropriate tests and checks will be carried out on all repairs that have been performed.

Name & Position of Bidder's authorized representative _____

Authorized signature _____

Stamp:

OFFER FORM - ACTED Iraq

Date:

Tender N°: T/10DVI/57F/RWI/TELAFAR/30-08-2020/001

To be filled by Bidder (COMPULSORY)**Details of Bidding Company:**

1. Company Name: ()
2. Company Authorized Representative Name*: () ***Please include a copy of the representative's ID**
3. Company Registration No: ()
No/Country/ Ministry
4. Company Specialization: ()
5. Mailing Address (Physical Address): ()
Country/Governorate./City/St name/Shop-Office No
- a. Contact Numbers: (Land Line: / Mobile No:)
- b. E-mail Address: ()

I undersigned _____, agree to provide ACTED, non-profit NGO, with items answering the following specifications, according to the general conditions and responsibilities that I engage myself to follow

Important Note:

- **ACTED reserves the right not to select a bidder if he didn't bid for each item within one lot.**
- **PLEASE FILL IN THE FOLLOWING TABLES, ONE FOR EACH LOT:**
- **Bidders can apply for one lot or more.**

Bidder's exchange rate: 1 USD = _____ IQD.

LOT 1: Water network rehabilitation, Al-Jazeera neighbourhood in Tel Afar city (coordinates: 36.37056 N, 42.45784 E).

NOTE: The quantities and specifications may be subject to change based on the project's scope of work reassessed at field level.

Bidders can bid for one or more lots.

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Site preparation							
1	Site Preparation إعداد الموقع	Cleaning the site from all type of debris (concrete, solid waste, old cars and others) along the area of work and transferring them to a designated dumping site as specified by the local municipality or relevant authority.	إعداد الموقع: تنظيف الموقع من جميع أنواع الحطام (الخرسانة والنفايات الصلبة والسيارات القديمة وغيرها) على طول منطقة العمل ونقلها إلى موقع مكب معين كما هو محدد من قبل البلدية المحلية أو السلطة المختصة.	1	Lump Sum الكمي (الإجمالي)		
2	Location of existing services موقع الخدمات الموجودة	Restricted hand excavation to locate existing main water supply line that will feed the rehabilitated network.	حفر اليدوي لتحديد خط إمدادات المياه الرئيسي الحالي الذي سيغذي الشبكة التي تم إصلاحها. (يتم تقديم المبلغ الإجمالي لأن الأبعاد الدقيقة غير معروفة من قبل دائرة الماء).	1	Lump Sum الكمي (الإجمالي)		
Excavation work							
3	Demolish concrete/asphalt layer هدم طبقة خرسانية / أسفلتية	Supply required machinery such as Jackhammer, cutter machine or any other type of equipment to demolish concrete or asphalt or reinforced concrete layer (10-20 cm) by a width of 40cm. Transferring them to a designated dumping site as specified by the local municipality or relevant authority. Including household connections	توريد الآلات المطلوبة مثل جاك همر أو آلة القطع أو أي نوع آخر من المعدات لهدم الخرسانة أو الأسفلت أو طبقة الخرسانة المسلحة (10-20 سم) بعرض 40 سم. نقلها إلى مكب نفايات معين كما هو محدد من قبل البلدية المحلية أو السلطة المختصة. بما في ذلك الاشتراكات المنزلية.	38	m ³ م ³		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
4	Soil Excavation حفر التربة	Excavation all types of soil (hard+soft) or any other type of material to reach the depth up to 90 cm and width 40cm using appropriate machinery such as excavator or any other required machines, providing excavation by hand in case needed such as encountering cesspools of toilets especially in front of the Households. Overall depth will be approximately 1 meter. Including household connection excavation	حفر جميع أنواع التربة (صلبة + لينة) أو أي نوع آخر من المواد للوصول إلى عمق يصل إلى 90 سم وعرض 40 سم باستخدام آلات مناسبة مثل الحفار أو أي آلات أخرى مطلوبة، وتوفير الحفر باليد في حالة الحاجة مثل مواجهة مصارف بالوعة المراحيض خاصة أمام الأسر. العمق الكلي سيكون حوالي 1 متر. بما في ذلك حفر اشتراك المنزل	170	m ³ م ³		
5	Removal of Material إزالة المواد	Supply equipment and machinery to transfer the excavated material from the site to a location authorized by local municipality or relevant authority.	توريد معدات وآلات لنقل المواد المحفورة من الموقع إلى موقع مرخص به من البلدية المحلية أو السلطة المختصة.	208	m ³ م ³		
Pipe installation and connection							

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
6	ø110mm (4") HDPE Pipe مقاس HDPE أنابيب (110 مم (4 بوصات))	Supply and install High-Density Polyethylene (HDPE) piping with the following specs: a. Nominal Size: 110 mm (4 inches inner diameter) b. Type: SDR 17, Pressure Nominal (PN10) 10 bars c. Application: Pressure water transmission and distribution for domestic use; No hazardous ingredient that could migrate to water supply exceeding Iraqi drinking water regulations d. Composition: Dark blue or black with min. 2% of uniformly distributed black carbon with UV stabilizer for outdoor exposure. e. Certifications: ISO 9001/1133/4427; or equivalents with certificate of proof. f. Standard Length: 6 - 13.5 meters/pipe	توريد وتركيب انابيب البولي الايثيلين عالي الكثافة بالمواصفات التالية: أ. الحجم الاسمي: 110 مم (القطر الداخلي 4 بوصات) ب. النوع: SDR 17 ، الضغط الاسمي 10 (PN10) بار ج. التطبيق: ضغط نقل المياه وتوزيعها للاستخدام المنزلي ؛ لا يوجد عنصر خطير يمكن أن يهاجر إلى إمدادات المياه التي تتجاوز لوائح مياه الشرب العراقية د. التركيب: أزرق داكن أو أسود مع حد أدنى 2٪ من الكربون الأسود الموزع بشكل موحد مع مثبت للأشعة فوق البنفسجية للتعرض الخارجي. هـ. الشهادات: ISO 9001/1133/4427 ؛ أو معادلون مع شهادة إثبات. F. الطول القياسي: 6 - 13.5 متر / الأنبوب	270	Linear Meters متر طولي		
7	ø110mm (4") HDPE Pipe (fittings) مقاس HDPE أنابيب (110 مم (4 بوصات)) (التركيبات)	supplying and installing all required HDPE fittings (PE100,SDR17,PN10) for the installation and connection of HDPE pipe (110mm) such as (Elbow, Tee, Bend 180°, End cup, reducer, coupling GF++), certification: ISO 9001, suitable for drinking water, the installation includes all required machinery, materials, manpower for electrofusion welding. the estimation amount of the required fittings but not limited to is (1 x 90° elbow, 2 x T-pieces, 5 x end caps, couplings: 45).	توريد وتركيب جميع تجهيزات HDPE المطلوبة (PE100 ، SDR17 ، PN10) لتركيب وتوصيل أنبوب HDPE (110 مم) مثل (الكوع ، المحملة ، الانحناء 180 درجة ، الكأس النهائي ، المخفض ، اقتران GF ++) ، شهادة: ISO 9001 ، مناسب لمياه الشرب ، يشمل التركيب جميع الآلات والمواد والقوى العاملة اللازمة للحام بالصهر الكهربائي. المقدار التقديري للتجهيزات المطلوبة ولكن ليس على سبيل الحصر هو (1 × 90 ° كوع ، 2 × قطع على شكل حرف T ، 11 × غطاء نهاية ، أدوات التوصيل: 50).	53	PCE العدد (القطعة)		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
8	Connection with existing network الاتصال بالشبكة الموجودة	Connection of new HDPE 110mm pipe (from #1) to the existing main pipeline (150mm [6"] the type of the old pipeline is not confirmed by DOW whether it is (galvanized or ductile or HDPE or cast iron or PVC or any other type of pipe). Connection includes supplying all required fittings for the full functionality between the new network and the existing network according to the instruction of the supervisor engineer. Connection includes but is not limited to providing materials, fittings, manpower, machines, excavation and concrete casting.	اتصال الأنابيب الجديدة HDPE 110 مم (من # 1) بخط الأنابيب الرئيسي الحالي (150 مم [6 بوصة]) نوع خط الأنابيب القديم غير مؤكد بواسطة DOW سواء كان (مجلفن أو مطيل أو HDPE أو حديد زهر أو PVC أو أي نوع آخر من الأنابيب) يشمل التوصيل توريد جميع التركيبات المطلوبة للحصول على الوظائف الكاملة بين الشبكة الجديدة والشبكة الحالية وفقًا لتعليمات مهندس المشرف. يشمل الاتصال على سبيل المثال لا الحصر توفير المواد والتجهيزات والقوى العاملة والآلات والحفر وصب الخرسانة.	1	Lump Sum الكلي (الإجمالي)		
9	110mm saddle clamp المشبك 110mm السرج	supply and install 110mm HDPE saddle clamp to the 110 mm HDPE pipeline.	توصيل أنبوب 2/1 عقدة نوع ppr بالقفص الخاص بأنبوب البولي اثيلين 110 ملم مع محول ppr الى سن خارجي أو أي موصل آخر يتطلب الربط	50	PCE العدد (القطعة)		
10	ø13mm (1/2") PPR Pipe for Household connection مقاس 13 PPR أنبوب مم (2/1 بوصة) للتوصيل المنزلي	(Household Connection) Supply and install 13mm (1/2") PPR pipe ,10 bar, suitable for drinking ,including all the required fittings and materials. Distance of household entrance from main pipeline will vary for each site. This line includes pipeline connections with electro-fusion technique, welding equipment, labor-work and all required fittings and accessories. Works must comply to on-site supervisor and Directorate of Water guidelines of Ninawa Governorate. Installation does not include connection with existing household pipeline.	(منزلي اتصال) " (1/2") مم 13 مقاس الصغيرة المياه انابيب وتركيب توريد التجهيزات جميع ذلك في بما ، للشرب مناسبة ، بار 10 ، المطلوبة والمواد. لكل الرئيسي الأنابيب وخط البيت مدخل بين المسافة تختلف بتقنية الأنابيب خطوط توصيلات الخط هذا يشمل موقع وجميع العمالة وأعمال اللحام ومعدات الكهربائي الصهر المطلوبة والملحقات التجهيزات وإرشادات الموقعي بالمشرف الأعمال تلتزم أن يجب نينوى بمحافظة المياه مديرية. القائمة المنزلية الأنابيب بخطوط الاتصال يشمل لا التثبيت "	200	Linear Meters متر طولي		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
11	13mm saddle clamp connection قفيص اتصال المشبك 13mm	Connection of 13mm (1/2") ppr pipe with 110 mm HDPE Saddle clamp with male threaded ppr adapter or another connector that requires for the connection	توصيل أنابيب المياه الصغيرة 13 مم (2/1") بمشبك سرج 110 مم HDPE مع محول طاعون المجترات الصغيرة الذكور أو أي موصل آخر يتطلب الاتصال	50	PCE العدد (القطعة)		
12	13mm PPR Elbow 13mm اشتراكات المنزلية	Supply and install 13mm (1/2") PPR elbow 45 degree	تجهيز وتركيب عكس 45 درجة نوع ppr قطر 2/1 عقدة	50	PCE العدد (القطعة)		
13	13mm PPR Endcap 13 ملم سداد	Supply and install 13mm (1/2")PPR endcap	تجهيز وتركيب نهاية بوري قطر 2/1 عقدة	50	PCE العدد (القطعة)		
Inspection Structure							

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
14	Manhole منهول	<p>Supply and installation of inspection box with the following specifications:</p> <p>a. Material: Steel pipe</p> <p>b. Dimensions: 1 - 1,5 meter length with a diameter of 250 - 400 mm;</p> <p>c. wall thickness between 5 - 7 mm</p> <p>d. Hinged cover cap of metal sheet with the same diameter as pipe with a padlock included.</p> <p>e. Steel pipe to have 2 concentric holes for 110mm inlet and outlet pipe - \varnothing 160mm</p> <p>f. Supply and install reinforced steel bar \varnothing 1/2" deformed bar, Fy 420 [for concrete base]</p> <p>Works include paint coatings of two layers with anti-rust paint and 1 coating of oil-based paint.</p> <p>In addition, a concrete base (20MPa) for the inspection box just above the valve is considered with 1 square meter and 25 cm thickness with a dosage of 1:2:4.</p> <p>Works must comply to on-site supervisor and Directorate of Transportation guidelines of Ninawa.</p>	<p>توريد وتركيب صندوق التفتيش بالمواصفات التالية:</p> <p>أ. المواد: الأنابيب الفولاذية</p> <p>ب. الأبعاد: 1 - 1,5 متر بقطر 250-400 مم ؛</p> <p>ج. سمك الجدار بين 5-7 مم</p> <p>د. غطاء غطاء مفصلي من صفائح معدنية بنفس قطر الأنبوب مع قفل مرفق.</p> <p>هـ. يحتوي الأنبوب الفولاذي على فتحتين متحدة المركز لأنبوب مدخل ومخرج 110 مم - 160 مم</p> <p>ف. توريد وتركيب حديد تسليح صلب مقوى \varnothing 1/2 " [لقاعدة خرسانية]</p> <p>تشمل الأعمال طلاء دهان من طبقتين مع طلاء مضاد للصدأ وطلاء واحد من الطلاء الزيتي.</p> <p>بالإضافة إلى ذلك ، تعتبر قاعدة خرسانية (20 ميغا باسكال) لصندوق الفحص أعلى الصمام مباشرة بمتر مربع واحد وسمك 25 سم بجرعة 1: 2: 4.</p> <p>يجب أن تمتثل الأعمال للمشرف الموقعي وإرشادات مديرية النقل في نينوى.</p>	1	PCE العدد (القطعة)		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
15	<p>Ø110mm (4") HDPE Valve</p> <p>HD110mm (4 ") صمام HDPE</p>	<p>Supply and installation of gate valve type-P (PLUG) Round Handle of 110 mm (4 inch)[nominal] diameter for HDPE pipeline installation (flanged).</p> <p>Made of corrosion-resistant, high impact material for drinking-water supply grading to endure high torque (cast iron or polyvinyl chloride) and withstand at least 1MPa (10 bar) operating pressure.</p> <p>Stem sealed with O-ring to prevent external leaks and easy replaceability.</p> <p>Includes all accessories, adapter, supporter mold, spindle and welding works (electro fusion). Valves must have a valid certificate of origin, ISO certified company and stainless shaft steel with surface box for manholes.</p> <p>Works must comply to on-site supervisor</p>	<p>توريد وتركيب صمام بوابة نوع P (PLUG) دائري بقطر 110 مم (4 بوصات) لتركيب خط أنابيب HDPE (مشفه).</p> <p>مصنوعة من مواد مقاومة للتآكل عالية التأثير لتصنيف إمدادات مياه الشرب لتحمل عزم الدوران العالي (الحديد الزهر أو البولي فينيل كلوريد) وتحمل MPa1 (10 بار) على الأقل.</p> <p>الجزئية محكمة الغلق بحلقة على شكل O لمنع التسريبات الخارجية وسهولة الاستبدال.</p> <p>يشمل جميع الملحقات والمحولات والعفن الداعم وأعمال المغزل واللحام (الانصهار الكهربائي). يجب أن تحتوي الصمامات على شهادة منشأ سارية المفعول ، وشهادة ISO معتمدة ، والفولاذ المقاوم للصدأ مع صندوق سطحي لغرف التفتيش.</p> <p>يجب أن يتوافق العمل مع المشرف في الموقع</p>	1	PCE العدد (القطعة)		
Pipe disinfecting and testing							
16	<p>Network Cleaning & Washing</p> <p>تنظيف وغسيل الشبكات</p>	<p>Network cleaning and disinfecting: cleaning of network, 25 to 50 PPM chlorine for one hour, testing at furthest point in network minimum 10PPM chlorine after 24 hours, provision of test certification. According to AWWAC6651 (American standard)</p>	<p>تنظيف وتطهير الشبكة: تنظيف الشبكة ، 25 إلى 50 جزء في المليون من الكلور لمدة ساعة واحدة ، الاختبار عند أبعد نقطة في الحد الأدنى من الكلور في الشبكة 10 جزء في المليون بعد 24 ساعة ، توفير شهادة الاختبار. وفقاً ل AWWAC6651 (المعيار الأمريكي)</p>	270	Linear Meters متر طولي		
17	<p>Network Hydraulic Testing</p> <p>الاختبار الهيدروليكي للشبكة</p>	<p>Network hydraulic testing, hydraulic testing of network by using air compressor for testing max pressure about 10bar, using barometer gauge for measuring (best type). AWWAC600 American standards</p>	<p>الاختبار الهيدروليكي للشبكة ، الاختبار الهيدروليكي للشبكة باستخدام ضاغط الهواء لاختبار الضغط الأقصى حوالي 10 بار ، باستخدام مقياس البارومتر لقياس (أفضل نوع). AWWAC600 المعايير الأمريكية</p>	270	Linear Meters متر طولي		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Backfilling and compaction							
18	Backfilling ردم	Back-filling main trench of new pipeline network with clean soft sand (commercially sourced) free from debris, rocks, gravel, particle size must conform to the grading requirements of ASTM C33, minimum depth 30cm and width 40cm for 110-mm pipeline, result of sieve analysis should be submitted prior to work. Including all other trenches resulting from household connections etc.	يجب أن يتوافق الخندق الرئيسي الذي يملأ الظهر لشبكة الأنابيب الجديدة مع الرمل الناعم النظيف (الذي يتم الحصول عليه تجارياً) الخالي من الحطام والصخور والحصى وحجم الجسيمات مع متطلبات الدرجات في ASTM C33 ، والحد الأدنى للعمق 30 سم والعرض 40 سم لخط الأنابيب 110 مم ، والنتيجة تحليل المنخل يجب أن تقدم قبل العمل. بما في ذلك جميع الخنادق الأخرى الناتجة عن التوصيلات المنزلية وما إلى ذلك.	57	m ³ م ³		
19	Warning Tape شريط تحذير	Warning tape to be installed 0.4m above the soft sand layer. (Tape to be at least 0.1m wide)	يتم تركيب شريط تحذير 0.4 متر فوق طبقة الرمل الناعمة. (يجب أن يكون عرض الشريط 0.1 م على الأقل)	1	PCE العدد (القطعة)		
20	Backfilling (sub-base) ردم (القاعدة الفرعية)	Supply required machines and equipment with sub-base granular material (commercially sourced) to do the backfill of sub-base layer with depth of 60cm and width 40cm for 110-mm pipeline , the particle size of sub-base granular material shall meet the requirement of class A when tested in accordance with AASHTO T-27 , result of sieve analysis should be submitted prior to work, the sub base back filling should be made in multiple layers each layer with maximum thickness of 20cm and compaction must be measured in the field using appropriate testing equipment such as a troxler densometer. and laying warning tape directly between second and third layer. Including all other trenches resulting from household connections etc.	توريد الآلات والمعدات المطلوبة بمواد حبيبية فرعية (من مصادر تجارية) للقيام بإعادة الردم لطبقة القاعدة الفرعية بعمق 60 سم وعرض 40 سم لخط الأنابيب 110 ملم ، ويجب أن يفي حجم الجسيمات من المواد الحبيبية القاعدة الفرعية بالمتطلبات من الفئة A عند اختبارها طبقاً لـ AASHTO T-27 ، يجب تقديم نتيجة تحليل الغربال قبل العمل ، يجب أن يتم ملء الجزء الخلفي من القاعدة الفرعية في طبقات متعددة كل طبقة بسماكة قصوى 20 سم ويجب قياس الضغط في المجال باستخدام معدات اختبار مناسبة مثل مقياس كثافة Troxler. ووضع شريط تحذير مباشرة بين الطبقة الثانية والثالثة. بما في ذلك جميع الخنادق الأخرى الناتجة عن التوصيلات المنزلية وما إلى ذلك.	113	m ³ م ³		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Concrete							
21	Plastic Sheet ورقة البلاستيك	Supply and lying of transparent construction plastic sheet, thickness 40-250 micron, with width 40cm for 110-mm pipeline	توريد وكذب صفائح بلاستيك انشائي بسماكة 40-250 ميكرون بعرض 40 سم لخط انابيب 110 مم	110	m ² م ²		
22	BRC (Reinforcement Steel) BRC (التسليح حديد)	Supply and install weld wire mesh BRC (Structural mesh) with spacing 150x150 mm c/c and thick of 6mm of the BRC.	توريد وتركيب شبكة سلكية ملحومة BRC (شبكة هيكلية) بمسافات 150x150 مم ج / ج وسمك 6 مم من BRC.	110	m ² م ²		
23	Restoration of Concrete ترميم الخرسانة	Casting and pouring structural concrete (1:2:4)concrete (strength 20Mpa cubical) , the work includes good finishing of concrete surface, 10 to 20 cm in depth of the concrete. Including household connections *including 1M^2 for concrete base of manhole	صب وصب الخرسانة الإنشائية (1:2:4) الخرسانة (القوة 20 ميغا باسكال مكعب) ، يشمل العمل تشطيب جيد لسطح الخرسانة ، بعمق 10 إلى 20 سم في الخرسانة. بما في ذلك الاتصالات المنزلية * بما في ذلك 1 متر مربع القاعدة خرسانية لغرفة التفتيش	21	m ³ م ³		

BIDDER'S COMMENTS/REMARKS:

1. _____
2. _____

END OF LOT 1

LOT 2: Water network rehabilitation, Al-Wahda neighbourhood in Tel Afar city (coordinates: 36.37547 N, 42.43966 E).

NOTE: The quantities and specifications may be subject to change based on the project's scope of work reassessed at field level.

Bidders can bid for one or more lots.

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Site preparation							
1	Site Preparation إعداد الموقع	Site preparation: cleaning the site from all type of debris (concrete, solid waste, old cars and others) along the area of work and transferring them to a designated dumping site as specified by the local municipality or relevant authority.	إعداد الموقع: تنظيف الموقع من جميع أنواع الحطام (الخرسانة والنفايات الصلبة والسيارات القديمة وغيرها) على طول منطقة العمل ونقلها إلى موقع مكب معين كما هو محدد من قبل البلدية المحلية أو السلطة المختصة	1	Lump Sum الكمي (الإجمالي)		
2	Location of existing services موقع الخدمات الموجودة	Location of existing services: restricted hand excavation to locate existing main water supply line that will feed the rehabilitated network.	موقع الخدمات القائمة: حفريات يدوية مقيدة لتحديد خط إمدادات المياه الرئيسي الحالي الذي سيغذي الشبكة التي تم إصلاحها. (يتم تقديم المبلغ الإجمالي لأن الأبعاد الدقيقة غير معروفة من قبل دائرة الماء	1	Lump Sum الكمي (الإجمالي)		
Excavation work							
3	Demolish concrete/asphalt layer هدم طبقة خرسانية / أسفلتية	Supply required machinery such as Jackhammer, cutter machine or any other type of equipment to demolish concrete or asphalt or reinforced concrete layer (10-20 cm) by a width of 40cm. Transferring them to a designated dumping site as specified by the local municipality or relevant authority. Including household connections	توريد الآلات المطلوبة مثل جك همر أو آلة القطع أو أي نوع آخر من المعدات لهدم الخرسانة أو الأسفلت أو طبقة الخرسانة المسلحة (10-20 سم) بعرض 40 سم. نقلها إلى مكب نفايات معين كما هو محدد من قبل البلدية المحلية أو السلطة المختصة. بما في ذلك الاتصالات المنزلية	30	m ³ م ³		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
4	Soil Excavation حفر التربة	Excavation all types of soil (hard+soft) or any other type of material to reach the depth up to 90 cm and width 40cm using appropriate machinery such as excavator or any other required machines, providing excavation by hand in case needed such as encountering cesspools of toilets especially in front of the Households. Overall depth will be approximately 1 meter. Including household connection excavation	حفر جميع أنواع التربة (صلبة + لينية) أو أي نوع آخر من المواد للوصول إلى عمق يصل إلى 90 سم وعرض 40 سم باستخدام آلات مناسبة مثل الحفار أو أي آلات أخرى مطلوبة ، وتوفير الحفر باليد في حالة الحاجة مثل مواجهة مصارف بالوعة المراحيض خاصة أمام الأسر. العمق الكلي سيكون حوالي 1 متر. بما في ذلك حفر اتصال المنزل	108	m ³ م ³		
5	Removal of Material إزالة المواد	Supply equipment and machinery to transfer the excavated material from the site to a location authorized by local municipality or relevant authority.	توريد معدات وآلات لنقل المواد المحفورة من الموقع إلى موقع مرخص به من البلدية المحلية أو السلطة المختصة.	138	m ³ م ³		
Pipe installation and connection							

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
6	ø110mm (4") HDPE Pipe مقاس HDPE أنابيب 110 مم (4 بوصات)	Supply and install High-Density Polyethylene (HDPE) piping with the following specs: a. Nominal Size: 110 mm (4 inches inner [nominal] diameter) b. Type: SDR 17, Pressure Nominal (PN10) 10 bars c. Application: Pressure water transmission and distribution for domestic use; No hazardous ingredient that could migrate to water supply exceeding Iraqi drinking water regulations d. Composition: Dark blue or black with min. 2% of uniformly distributed black carbon with UV stabilizer for outdoor exposure. e. Certifications: ISO 9001/1133/4427; or equivalents with certificate of proof. f. Standard Length: 6 - 13.5 meters/pipe	توريد وتركيب انابيب بولي الايثيلين عالي الكثافة بالمواصفات التالية: أ. الحجم الاسمي: 110 مم (القطر الداخلي 4 سم) [الاسمية] ب. النوع: SDR 17 ، الضغط الاسمي 10 (PN10) بار ج. التطبيق: ضغط نقل المياه وتوزيعها للاستخدام المنزلي ؛ لا يوجد عنصر خطير يمكن أن يهاجر إلى إمدادات المياه التي تتجاوز لوائح مياه الشرب العراقية د. التركيب: أزرق داكن أو أسود مع حد أدنى 2٪ من الكربون الأسود الموزع بشكل موحد مع مثبت للأشعة فوق البنفسجية للتعرض الخارجي. هـ. الشهادات: ISO 9001/1133/4427 ؛ أو معادلون مع شهادة إثبات. F. الطول القياسي: 6 - 13.5 متر / الأنبوب	200	Linear Meters متر طولي		
7	ø110mm (4") HDPE Pipe (fittings) مقاس HDPE أنابيب 110 مم (4 بوصات) (التركيبات)	supplying and installing all required HDPE fittings (PE100,SDR17,PN10) for the installation and connection of HDPE pipe (110mm) such as (Elbow, Tee, Bend 180°, End cup, reducer, coupling GF++), certification: ISO 9001, suitable for drinking water, the installation includes all required machinery, materials, manpower for electrofusion welding. the estimation amount of the required fittings but not limited to is (1 x 90° elbow, 2 x T-pieces, 11 x end caps, couplings: 34).	تجهيز وتركيب جميع الملحقات المطلوبة (PE100 ، SDR17 ، PN10) لأنابيب البولي ايثيلين (110 ملم) مثل (عكس ، مثلث ، قوس ، نهاية بوري ، مصغر ، صامولة (GF++), شهادة: ISO 9001 وتكون مناسبة لمياه الشرب، ويشمل التثبيت جميع الآلات والمواد اللازمة ، الحرفي لنوع اللحام الكهربائي. مقدار التقدير للملحقات المطلوبة ولكن ليس ثابتا هو (عكس 90° عدد 1 ، نهاية بوري عدد 11، مثلث عدد 2، صامولة عدد 160).	48	PCE العدد (القطعة)		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
8	Connection with existing network الاتصال بالشبكة الموجودة	Connection of new HDPE 110mm pipe (from #1) to the existing main pipeline (110mm [4"] the type of the old pipeline is not confirmed by DOW whether it is (galvanized or ductile or HDPE or cast iron or PVC or any other type of pipe). Connection includes supplying all required fittings for the full functionality between the new network and the existing network according to the instruction of the supervisor engineer. Connection includes but is not limited to providing materials, fittings, manpower, machines, excavation and concrete casting.	اتصال الأنابيب الجديدة HDPE 110 مم (من # 1) بخط الأنابيب الرئيسي الحالي (110 مم [4 بوصات]) نوع خط الأنابيب القديم لم يتم تأكيده بواسطة دائرة الماء سواء كان (مجلفن أو مرن أو HDPE أو حديد زهر أو PVC أو أي نوع آخر من الأنابيب) يشمل التوصيل لتوريد جميع التركيبات المطلوبة للحصول على الوظائف الكاملة بين الشبكة الجديدة والشبكة الحالية وفقاً لتعليمات مهندس المشرف. يشمل الاتصال على سبيل المثال لا الحصر توفير المواد والتجهيزات والقوى العاملة والآلات والحفر وصب الخرسانة.	1	Lump Sum لكلي (الإجمالي)		
9	110mm saddle clamp المشبك 110mm السرّج	supply and install 110mm HDPE saddle clamp to the 110 mm HDPE pipeline.	تجهيز وتركيب قفص حجم 110 ملم والخاص بانبوب البولي اثيلين حجم 110ملم	40	PCE العدد (القطعة)		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
10	ø13mm (1/2") PPR Pipe for Household connection مقاس 13 PPR أنبوب مم (2/1 بوصة) للتوصيل المنزلي	<p>(Household Connection) Supply and install 13mm (1/2") PPR pipe ,10 bar, suitable for drinking ,including all the required fittings and materials.</p> <p>Distance of household entrance from main pipeline will vary for each site. This line includes pipeline connections with electro-fusion technique, welding equipment, labor-work and all required fittings and accessories. Works must comply to on-site supervisor and Directorate of Water guidelines of Ninawa Governorate.</p> <p>Installation does not include connection with existing household pipeline.</p>	<p>(منزلي اتصال) ، (1/2") مم 13 مقاس الصغيرة مياه انابيب وتركيب توريد التجهيزات جميع ذلك في بما ، للشرب مناسبة ، بار 10 المطلوبة والمواد.</p> <p>الرئيسي الأنابيب وخط الأسرة مدخل بين المسافة تختلف الأنابيب خطوط توصيلات الخط هذا يتضمن موقع لكل العمالة وأعمال اللحام ومعدات الكهربائي الصهر بتقنية المطلوبة والملحقات التجهيزات وجميع مديرية وإرشادات الموقعي للمشرف الأعمال تمتثل أن يجب نينوى بمحافظة المياه</p> <p>القائمة المنزلية الأنابيب خط مع التوصيل يشمل لا التركيب</p>	160	Linear Meters متر طولي		
11	13mm saddle clamp connection 13mm قفص اتصال المشبك	<p>Connection of 13mm (1/2") ppr pipe with 110 mm HDPE Saddle clamp with male threaded ppr adapter or another connector that requires for the connection</p>	<p>توصيل أنبوب 2/1 عقدة نوع ppr بالقفص الخاص بانبوب البولي اثيلين 110 ملم مع محول ppr الى سن خارجي أو أي موصل آخر يتطلب الربط</p>	40	PCE العدد (القطعة)		
12	13mm PPR Elbow 13 مم اشتراكات المنزلية	<p>Supply and install 13mm (1/2") PPR elbow 45 degree</p>	<p>تجهيز وتركيب عكس 45 درجة نوع ppr قطر 2/1 عقدة</p>	40	PCE العدد (القطعة)		
13	13mm PPR Endcap 13 ملم سداد	<p>Supply and install 13mm (1/2")PPR endcap</p>	<p>تجهيز وتركيب نهاية بوري قطر 2/1 عقدة</p>	40	PCE العدد (القطعة)		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Concrete, formwork and BRC for constructing 1 manhole section3-3 and Gate valve							
14	Manhole منهول	<p>Supply and installation of inspection box with the following specifications:</p> <p>a. Material: Steel pipe</p> <p>b. Dimensions: 1 - 1,5 meter length with a diameter of 250 - 400 mm;</p> <p>c. wall thickness between 5 - 7 mm</p> <p>d. Hinged cover cap of metal sheet with the same diameter as pipe with a padlock included.</p> <p>e. Steel pipe to have 2 concentric holes for 110mm inlet and outlet pipe - \varnothing 160mm</p> <p>f. Supply and install reinforced steel bar \varnothing1/2" deformed bar, Fy 420 [for concrete base]</p> <p>Works include paint coatings of two layers with anti-rust paint and 1 coating of oil-based paint.</p> <p>In addition, a concrete base (20MPa) for the inspection box just above the valve is considered with 1 square meter and 25 cm thickness with a dosage of 1:2:4.</p> <p>Works must comply to on-site supervisor and Directorate of Transportation guidelines of Ninawa.</p>	<p>توريد وتركيب صندوق التفتيش بالمواصفات التالية:</p> <p>أ. المواد: الأنابيب الفولاذية</p> <p>ب. الأبعاد: 1 - 1,5 متر بقطر 250-400 مم ؛</p> <p>ج. سمك الجدار بين 5-7 مم</p> <p>د. غطاء غطاء مفصلي من صفائح معدنية بنفس قطر الأنبوب مع قفل مرفق.</p> <p>هـ. يحتوي الأنبوب الفولاذي على فتحتين متحدة المركز لأنبوب مدخل ومخرج 110 مم - 160 مم</p> <p>ف. توريد وتركيب قضيب صلب مقوى \varnothing 1/2 "قضيب مشوه ، Fy 420 [لقاعدة خرسانية]</p> <p>تشمل الأعمال طلاء دهان من طبقتين مع طلاء مضاد للصدأ وطلاء واحد من الطلاء الزيتي.</p> <p>بالإضافة إلى ذلك ، تعتبر قاعدة خرسانية (20 ميغا باسكال) لصندوق الفحص أعلى الصمام مباشرة بمتر مربع واحد وسمك 25 سم بجرعة 1: 2: 4.</p> <p>يجب أن تمتثل الأعمال للمشرف الموقعي وإرشادات مديرية النقل في نينوى</p>	1	PCE العدد (القطعة)		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
15	<p>ø110mm (4") HDPE Valve</p> <p>HD110mm (4 ") صمام HDPE</p>	<p>Supply and installation of gate valve type-P (PLUG) Round Handle of 110 mm (4 inch) diameter for HDPE pipeline installation (flanged).</p> <p>Made of corrosion-resistant, high impact material for drinking-water supply grading to endure high torque (cast iron or polyvinyl chloride) and withstand at least 1MPa (10 bar) operating pressure.</p> <p>Stem sealed with O-ring to prevent external leaks and easy replaceability.</p> <p>Includes all accessories, adapter, supporter mold, spindle and welding works (electro fusion). Valves must have a valid certificate of origin, ISO certified company and stainless shaft steel with surface box for manholes.</p> <p>Works must comply to on-site supervisor</p>	<p>توريد وتركيب صمام بوابة نوع P (PLUG) دائري بقطر 110 مم (4 بوصات) لتركيب خط أنابيب HDPE (مشغله).</p> <p>مصنوعة من مواد مقاومة للتآكل عالية التأثير لتصنيف إمدادات مياه الشرب لتحمل عزم الدوران العالي (الحديد الزهر أو البولي فينيل كلوريد) وتحمل 1MPa (10 بار) على الأقل.</p> <p>الجزئية محكمة الغلق بحلقة على شكل O لمنع التسريبات الخارجية وسهولة الاستبدال.</p> <p>يشمل جميع الملحقات والمحولات والعفن الداعم وأعمال المغزل واللحام (الانصهار الكهربائي). يجب أن تحتوي الصمامات على شهادة منشأ سارية المفعول ، وشهادة ISO معتمدة ، والفولاذ المقاوم للصدأ مع صندوق سطحي لغرف التفتيش.</p> <p>يجب أن يتوافق العمل مع المشرف في الموقع</p>	1	PCE العدد (القطعة)		
Pipe disinfecting and testing							
16	<p>Network Cleaning & Washing</p> <p>تنظيف وغسيل الشبكات</p>	<p>Network cleaning and disinfecting: cleaning of network, 25 to 50 PPM chlorine for one hour, testing at furthest point in network minimum 10PPM chlorine after 24 hours, provision of test certification. According to AWWAC6651 (American standard)</p>	<p>تنظيف وتعقيم الشبكة: تنظيف الشبكة ، 25 إلى 50 جزءاً في المليون من الكلور لمدة ساعة واحدة ، الاختبار عند أبعد نقطة في الحد الأدنى من الكلور 10PPM في الشبكة بعد 24 ساعة ، توفير شهادة الاختبار. وفقاً ل AWWAC6651 (المعيار الأمريكي)</p>	200	Linear Meters متر طولي		
17	<p>Network Hydraulic Testing</p> <p>الاختبار الهيدروليكي للشبكة</p>	<p>Network hydraulic testing, hydraulic testing of network by using air compressor for testing max pressure about 10bar, using barometer gauge for measuring (best type). AWWAC600 American standards</p>	<p>الاختبار الهيدروليكي للشبكة ، الاختبار الهيدروليكي للشبكة باستخدام ضاغط الهواء لاختبار الضغط الأقصى حوالي 10 بار ، باستخدام مقياس البارومتر لقياس (أفضل نوع). AWWAC600 المعايير الأمريكية</p>	200	Linear Meters متر طولي		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Backfilling and compaction							
18	Backfilling ردم	Back-filling main trench of new pipeline network with clean soft sand (commercially sourced) free from debris, rocks, gravel, particle size must conform to the grading requirements of ASTM C33, minimum depth 30cm and width 40cm for 110-mm pipeline, result of sieve analysis should be submitted prior to work. Including all other trenches resulting from household connections etc.	يجب أن يتوافق الخندق الرئيسي الذي يملأ الظهر لشبكة الأنابيب الجديدة مع رمال ناعمة نظيفة (مصدر تجاريًا) وخالية من الحطام والصخور والحصى وحجم الجسيمات وفقًا لمتطلبات درجات ASTM C33 ، والحد الأدنى للعمق 30 سم وعرض 40 سم لخط الأنابيب 110 مم ، والنتيجة تحليل المنخل يجب أن تقدم قبل العمل. بما في ذلك جميع الخنادق الأخرى الناتجة عن التوصيلات المنزلية وما إلى ذلك.	44	m ³ م ³		
19	Warning Tape شريط تحذير	Warning tape to be installed 0.4m above the soft sand layer. (Tape to be at least 0.1m wide)	الناعمة الرمل طبقة فوق متر 0.4 تحذير شريط تركيب يتم " (الأقل على م 0.1 الشريط عرض يكون أن يجب)	1	PCE العدد (القطعة)		
20	Backfilling (sub-base) ردم (القاعدة الفرعية)	Supply required machines and equipment with sub-base granular material (commercially sourced) to do the backfill of sub-base layer with depth of 60cm and width 40cm for 110-mm pipeline , the particle size of sub-base granular material shall meet the requirement of class A when tested in accordance with AASHTO T-27 , result of sieve analysis should be submitted prior to work, the sub base back filling should be made in multiple layers each layer with maximum thickness of 20cm and compaction must be measured in the field using appropriate testing equipment such as a troxler densometer. and laying warning tape directly between second and third layer. Including all other trenches resulting from household connections etc.	توريد الآلات والمعدات المطلوبة بمواد حبيبية فرعية (من مصادر تجارية) للقيام بإعادة الردم لطبقة القاعدة الفرعية بعمق 60 سم وعرض 40 سم لخط الأنابيب 110 ملم ، ويجب أن يفي حجم الجسيمات من المواد الحبيبية القاعدة الفرعية بالمتطلبات من الفئة A عند اختبارها طبقًا لـ AASHTO T-27 ، يجب تقديم نتيجة تحليل الغربال قبل العمل ، يجب أن يتم ملء الجزء الخلفي من القاعدة الفرعية في طبقات متعددة كل طبقة بسماكة قصوى 20 سم ويجب قياس الضغط في المجال باستخدام معدات اختبار مناسبة مثل مقياس كثافة Troxler. ووضع شريط تحذير مباشرة بين الطبقة الثانية والثالثة. بما في ذلك جميع الخنادق الأخرى الناتجة عن التوصيلات المنزلية وما إلى ذلك.	87	m ³ م ³		

No.	Item description	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Concrete							
21	Plastic Sheet ورقة البلاستيك	Supply and lying of transparent construction plastic sheet, thickness 40-250 micron, with width 40cm for 110-mm pipeline	توريد وكذب صفائح بلاستيك انشائي بسماكة 40-250 ميكرون بعرض 40 سم لخط انابيب 110 مم	80	m ² م ²		
22	BRC (Reinforcement Steel) BRC (التسليح حديد)	Supply and install weld wire mesh BRC (Structural mesh) with spacing 150x150 mm c/c and thick of 6mm of the BRC.	توريد وتركيب شبكة سلكية ملحومة BRC (شبكة هيكلية) مع تباعد 150x150 مم ج / ج وسمك 6 مم من BRC.	80	m ² م ²		
23	Restoration of Concrete ترميم الخرسانة	Casting and pouring structural concrete (1:2:4)concrete (strength 20Mpa cubical) , the work includes good finishing of concrete surface, 10 to 20 cm in depth of the concrete. Including household connections *including 1M^2 for concrete base of manhole	صب وصب الخرسانة الإنشائية (1:2:4) الخرسانة (القوة 20 ميجا باسكال مكعب) ، يشمل العمل تشطيب جيد لسطح الخرسانة ، بعمق 10 إلى 20 سم في الخرسانة. بما في ذلك الاتصالات المنزلية * بما في ذلك 1 م ^ 2 لقاعدة خرسانية لغرفة التفتيش	16	m ³ م ³		

BIDDER'S COMMENTS/REMARKS:

- _____
- _____

END OF LOT 2

LOT 3: Water network rehabilitation, Al-Nida neighbourhood in Tel Afar city (coordinates: 36.36421 N, 42.42957 E).

NOTE: The quantities and specifications may be subject to change based on the project's scope of work reassessed at field level.

Bidders can bid for one or more lots.

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Site preparation							
1	Site Preparation إعداد الموقع	Site preparation: cleaning the site from all type of debris (concrete, solid waste, old cars and others) along the area of work and transferring them to a designated dumping site as specified by the local municipality or relevant authority.	إعداد الموقع: تنظيف الموقع من جميع أنواع الحطام (الخرسانة والنفايات الصلبة والسيارات القديمة وغيرها) على طول منطقة العمل ونقلها إلى موقع مكب معين كما هو محدد من قبل البلدية المحلية أو السلطة المختصة.	1	Lump Sum الكلي (الإجمالي)		
2	Location of existing services موقع الخدمات الموجودة	Location of existing services: restricted hand excavation to locate existing main water supply line that will feed the rehabilitated network.	موقع الخدمات القائمة: حفريات يدوية تحديد خط إمدادات المياه الرئيسي الحالي الذي سيغذي الشبكة التي تم إصلاحها. (يتم تقديم المبلغ الإجمالي لأن الأبعاد الدقيقة غير معروفة من قبل DOW)	1	Lump Sum الكلي (الإجمالي)		
Excavation work							
3	Demolish concrete/asphalt layer هدم طبقة خرسانية / أسفلتية	Supply required machinery such as Jackhammer, cutter machine or any other type of equipment to demolish concrete or asphalt or reinforced concrete layer (10-20 cm) by a width of 40cm. Transferring them to a designated dumping site as specified by the local municipality or relevant authority. Including household connections	توريد الآلات المطلوبة مثل جك همر أو آلة القطع أو أي نوع آخر من المعدات لهدم الخرسانة أو الأسفلت أو طبقة الخرسانة المسلحة (10-20 سم) بعرض 40 سم. نقلها إلى مكب نفايات معين كما هو محدد من قبل البلدية المحلية أو السلطة المختصة. بما في ذلك الاتصالات المنزلية	35	m ³ م ³		

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
4	Soil Excavation حفر التربة	Excavation all types of soil (hard+soft) or any other type of material to reach the depth up to 90 cm and width 40cm using appropriate machinery such as excavator or any other required machines, providing excavation by hand in case needed such as encountering cesspools of toilets especially in front of the Households. Overall depth will be approximately 1 meter. Including household connection excavation	حفر جميع أنواع التربة (صلبة + لينة) أو أي نوع آخر من المواد للوصول إلى عمق يصل إلى 90 سم وعرض 40 سم باستخدام آلات مناسبة مثل الحفار أو أي آلات أخرى مطلوبة ، وتوفير الحفر باليد في حالة الحاجة مثل مواجهة مصارف بالوعة المراحيض خاصة أمام الأسر. العمق الكلي سيكون حوالي 1 متر. بما في ذلك حفر اتصال المنزل	150	m ³ م ³		
5	Removal of Material إزالة المواد	Supply equipment and machinery to transfer the excavated material from the site to a location authorized by local municipality or relevant authority.	توريد معدات وآلات لنقل المواد المحفورة من الموقع إلى موقع مرخص به من البلدية المحلية أو السلطة المختصة.	185	m ³ م ³		
Pipe installation and connection							
6	ø110mm (4") HDPE Pipe أنابيب HDPE مقاس 110 مم (4 بوصات)	Supply and install High-Density Polyethylene (HDPE) piping with the following specs: a. Nominal Size: 110 mm (4 inches inner [nominal] diameter) b. Type: SDR 17, Pressure Nominal (PN10) 10 bars c. Application: Pressure water transmission and distribution for domestic use; No hazardous ingredient that could migrate to water supply exceeding Iraqi drinking water regulations d. Composition: Dark blue or black with min. 2% of uniformly distributed black carbon with UV stabilizer for outdoor exposure. e. Certifications: ISO 9001/1133/4427; or equivalents with certificate of proof. f. Standard Length: 6 - 13.5 meters/pipe	توريد وتركيب انابيب بولي الايثيلين عالي الكثافة بالمواصفات التالية: أ. الحجم الاسمي: 110 مم (القطر الداخلي 4 سم) [الاسمية] ب. النوع: SDR 17 ، الضغط الاسمي 10 (PN10) بار ج. التطبيق: ضغط نقل المياه وتوزيعها للاستخدام المنزلي ؛ لا يوجد عنصر خطير يمكن أن يهاجر إلى إمدادات المياه التي تتجاوز لوائح مياه الشرب العراقية د. التركيب: أزرق داكن أو أسود مع حد أدنى 2٪ من الكربون الأسود الموزع بشكل موحد مع مثبت للأشعة فوق البنفسجية للتعرض الخارجي. هـ. الشهادات: ISO 9001/1133/4427 ؛ أو معادلون مع شهادة إثبات. F. الطول القياسي: 6 - 13.5 متر / الأنبوب	150	Linear Meters متر طولي		

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
7	ø110mm (4") HDPE Pipe (fittings) أنابيب HDPE مقاس 110 مم (4 بوصات) (التركيبات)	supplying and installing all required HDPE fittings (PE100,SDR17,PN10) for the installation and connection of HDPE pipe (110mm) such as (Elbow, Tee, Bend 180°, End cup, reducer, coupling GF++), certification: ISO 9001, suitable for drinking water, the installation includes all required machinery, materials, manpower for electrofusion welding. the estimation amount of the required fittings but not limited to is (1 x 90° elbow, 2 x T-pieces, 11 x end caps, couplings: 25).	توريد وتركيب جميع تجهيزات HDPE المطلوبة (PE100 ، SDR17 ، PN10) لتكوين وتوصيل أنبوب HDPE (110 مم) مثل (الكوع ، المحملة ، الانحناء 180 درجة ، الكأس النهائي ، المخفض ، اقتران GF ++) ، شهادة: ISO 9001 ، مناسب لمياه الشرب ، يشمل التركيب جميع الآلات والمواد والقوى العاملة اللازمة للحام بالصهر الكهربائي. مقدار تقدير التجهيزات المطلوبة ولكن ليس على سبيل الحصر هو (1 × 90 ° كوع ، 2 × قطع T ، 11 × أغطية نهاية ، أدوات التوصيل: 25).	39	PCE العدد (القطعة)		
8	Connection with existing network الاتصال بالشبكة الموجودة	Connection of new HDPE 110mm pipe (from #1) to the existing main pipeline (200mm [8"]) and new HDPE 75mm pipe (from #5) to the existing main pipeline (160mm [6"]). The type of the old pipeline is not confirmed by DOW whether it is (galvanized or ductile or HDPE or cast iron or PVC or any other type of pipe). Connection includes supplying all required fittings for the full functionality between the new network and the existing network according to the instruction of the supervisor engineer. Connection includes but is not limited to providing materials, fittings, manpower, machines, excavation and concrete casting.	توريد وتركيب مواسير عديد الايثيلين عالي الكثافة بالموصفات التالية: أ. الحجم الاسمي: 75 مم (قطر داخلي 3 بوصات) [الاسمية] ب. النوع: SDR 17 ، الضغط الاسمي 10 (PN10) بار ج. التطبيق: ضغط نقل المياه وتوزيعها للاستخدام المنزلي ؛ لا يوجد عنصر خطير يمكن أن يهاجر إلى إمدادات المياه التي تتجاوز لوائح مياه الشرب العراقية د. التركيب: أزرق داكن أو أسود مع حد أدنى 2٪ من الكربون الأسود الموزع بشكل موحد مع مثبت للأشعة فوق البنفسجية للتعرض الخارجي. هـ. الشهادات: ISO 9001/1133/4427 ؛ أو معادلون مع شهادة إثبات. F. الطول القياسي: 6 - 13.5 متر / الأنبوب	2	Lump Sum الكلي (الإجمالي)		
9	110mm saddle clamp المشبك 110mm السرج	Supply and install 110mm HDPE saddle clamp to the 110 mm HDPE pipeline.	توريد وتركيب مشبك سرج 110 ملم HDPE إلى خط أنابيب 110 ملم HDPE.	30	PCE العدد (القطعة)		

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
10	ø75mm (3") HDPE Pipe مقاس HDPE أنابيب (بوصات 3) 75 مم (التركيبات)	Supply and install High-Density Polyethylene (HDPE) piping with the following specs: a. Nominal Size: 75 mm (3 inches inner [nominal] diameter) b. Type: SDR 17, Pressure Nominal (PN10) 10 bars c. Application: Pressure water transmission and distribution for domestic use; No hazardous ingredient that could migrate to water supply exceeding Iraqi drinking water regulations d. Composition: Dark blue or black with min. 2% of uniformly distributed black carbon with UV stabilizer for outdoor exposure. e. Certifications: ISO 9001/1133/4427; or equivalents with certificate of proof. f. Standard Length: 6 - 13.5 meters/pipe	توريد وتركيب مواسير عديد الايثيلين عالي الكثافة بالموصفات التالية: أ. الحجم الاسمي: 75 مم (قطر داخلي 3 بوصات) [الاسمية] ب. النوع: SDR 17 ، الضغط الاسمي 10 (PN10) بار ج. التطبيق: ضغط نقل المياه وتوزيعها للاستخدام المنزلي ؛ لا يوجد عنصر خطير يمكن أن يهاجر إلى إمدادات المياه التي تتجاوز لوائح مياه الشرب العراقية د. التركيب: أزرق داكن أو أسود مع حد أدنى 2٪ من الكربون الأسود الموزع بشكل موحد مع مثبت للأشعة فوق البنفسجية للتعرض الخارجي. هـ. الشهادات: ISO 9001/1133/4427 ؛ أو معادلون مع شهادة إثبات. F. الطول القياسي: 6 - 13.5 متر / الأنبوب	175	Linear Meters متر طولي		
11	ø75mm (3") HDPE Pipe (fittings) مقاس HDPE أنابيب (بوصات 3) 75 مم (التركيبات)	supplying and installing all required HDPE fittings (PE100,SDR17,PN10) for the installation and connection of HDPE pipe (75mm) such as (Elbow, Tee, Bend 180°, End cup, reducer, coupling GF++), certification: ISO 9001, suitable for drinking water, the installation includes all required machinery, materials, manpower for electrofusion welding. the estimation amount of the required fittings but not limited to is (1 x 90° elbow, 2 x T-pieces, 11 x end caps, couplings: 30).	توريد وتركيب جميع تجهيزات HDPE المطلوبة (PE100 ، SDR17 ، PN10) لتركيب وتوصيل أنبوب HDPE (75 ملم) مثل (الكوع ، المحملة ، الانحناء 180 درجة ، الكأس النهائي ، المخفض ، اقتران GF ++) ، شهادة: ISO 9001 ، مناسب لمياه الشرب ، يشمل التركيب جميع الآلات والمواد والقوى العاملة اللازمة للحام بالصهر الكهربائي. مقدار تقدير التركيبات المطلوبة ولكن ليس على سبيل الحصر هو (1 × 90 ° كوع ، 2 × قطع على شكل حرف T ، 11 × غطاء نهاية ، أدوات التوصيل: 30).	44	PCE العدد (القطعة)		
12	75mm saddle clamp الم 75mm	supply and install 75mm HDPE saddle clamp to the 75 mm HDPE pipeline.	توريد وتركيب مشبك سرج 75 مم HDPE لخط أنابيب 75 مم HDPE.	30	PCE العدد (القطعة)		

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
13	<p>ø13mm (1/2") PPR Pipe for Household connection</p> <p>أنبوب PPR مقاس 13 مم (2/1 بوصة) للتوصيل المنزلي</p>	<p>(Household Connection) Supply and install 13mm (1/2") PPR pipe ,10 bar, suitable for drinking ,including all the required fittings and materials.</p> <p>Distance of household entrance from main pipeline will vary for each site. This line includes pipeline connections with electro-fusion technique, welding equipment, labor-work and all required fittings and accessories.</p> <p>Works must comply to on-site supervisor and Directorate of Water guidelines of Ninawa Governorate.</p> <p>Installation does not include connection with existing household pipeline.</p>	<p>(منزلي اتصال) ، (1/2") 13 مم مقاس الصغيرة مياه انابيب وتركيب توريد التجهيزات جميع ذلك في بما ، للشرب مناسبة ، بار 10 المطلوبة والمواد.</p> <p>لكل الرئيسي الأنابيب وخط البيت مدخل بين المسافة تختلف بتقنية الأنابيب خطوط توصيلات الخط هذا يتضمن موقع وجميع العمالة وأعمال اللحام ومعدات الكهربائي الصهر المطلوبة والملحقات التجهيزات مديرية وإرشادات الموقعي للمشرف الأعمال تمتثل أن يجب نينوى بمحافظة المياه.</p> <p>القائمة المنزلية الأنابيب خط مع التوصيل يشمل لا التركيب</p>	90	<p>Linear Meters</p> <p>متر طولي</p>		
14	<p>13mm saddle clamp [connection with 110mm]</p> <p>قفص اتصال 13mm (110mm) المشبك</p>	<p>Connection of 13mm (1/2") ppr pipe with 110 mm HDPE Saddle clamp with male threaded ppr adapter or another connector that requires for the connection</p>	<p>توصيل أنابيب مياه الصغيرة 13 مم (2/1") بمشبك سرج 110 مم HDPE مع محول طاعون المجترات الصغيرة الذكور أو أي موصل آخر يتطلب الاتصال</p>	30	<p>PCE</p> <p>العدد (القطعة)</p>		
15	<p>13mm saddle clamp [connection with 75mm]</p> <p>قفص اتصال 13mm (75mm) المشبك</p>	<p>Connection of 13mm (1/2") ppr pipe with 75 mm HDPE Saddle clamp with male threaded ppr adapter or another connector that requires for the connection</p>	<p>توصيل أنابيب مياه الصغيرة 13 مم (2/1") بمشبك سرج 75 مم HDPE مع محول طاعون المجترات الصغيرة الذكور أو أي موصل آخر يتطلب الاتصال</p>	30	<p>PCE</p> <p>العدد (القطعة)</p>		
16	<p>13mm PPR Elbow</p> <p>13 مم اشتراكات المنزلية</p>	<p>Supply and install 13mm (1/2") PPR elbow 45 degree</p>	<p>توريد وتركيب انابيب مياه الصغيرة 13 مم (2/1") 45 درجة</p>	45	<p>PCE</p> <p>العدد (القطعة)</p>		

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
17	13mm PPR Endcap 13 ملم سداد	Supply and install 13mm (1/2") PPR endcap	توريد وتركيب غلاف خارجي 13 PPR مم (2/1")	45	PCE العدد (القطعة)		
Concrete, formwork and BRC for constructing 2 manhole section3-3 and Gate valve							
18	Manhole منهول	Supply and installation of inspection box with the following specifications: a. Material: Steel pipe b. Dimensions: 1 - 1,5 meter length with a diameter of 250 - 400 mm; c. wall thickness between 5 - 7 mm d. Hinged cover cap of metal sheet with the same diameter as pipe with a padlock included. e. Steel pipe to have 2 concentric holes (for 110mm inlet and outlet pipe - \varnothing 160mm) & (for 75mm inlet and outlet pipe - \varnothing 110mm) f. Supply and install reinforced steel bar \varnothing 1/2" deformed bar, Fy 420 [for concrete base] Works include paint coatings of two layers with anti-rust paint and 1 coating of oil-based paint. In addition, a concrete base (20MPa) for the inspection box just above the valve is included with 1 square meter and 25 cm thickness with a dosage of 1:2:4. Works must comply to on-site supervisor and Directorate of Transportation guidelines of Ninawa.	توريد وتركيب صندوق التفتيش بالمواصفات التالية: أ. المواد: الأنابيب الفولاذية ب. الأبعاد: 1 - 1,5 متر بقطر 250-400 مم ؛ ج. سمك الجدار بين 5-7 مم د. غطاء غطاء مفصلي من صفائح معدنية بنفس قطر الأنبوب مع قفل مرفق. هـ. يحتوي الأنبوب الفولاذي على فتحتين متحدة المركز (الأنبوب مدخل ومخرج 110 مم - \varnothing 160 مم) و (الأنبوب مدخل ومخرج 75 مم - 110 مم) F. توريد وتركيب قضيب صلب مقوى \varnothing 1/2 "قضيب مشوه ، Fy 420 [لقاعدة خرسانية] تشمل الأعمال طلاء دهان من طبقتين مع طلاء مضاد للصدأ وطلاء واحد من الطلاء الزيتي. بالإضافة إلى ذلك ، يتم تضمين قاعدة خرسانية (20 ميغا باسكال) لصندوق التفتيش أعلى الصمام مباشرة مع متر مربع واحد وسمك 25 سم بجرعة 1: 2: 4. يجب أن تمثل الأعمال للمشرف الموقعي وإرشادات مديرية النقل في نينوى.	2	PCE العدد (القطعة)		

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
19	<p>ø110mm (4") HDPE Valve</p> <p>HD110mm (4 ") صمام HDPE</p>	<p>Supply and installation of gate valve type-P (PLUG) Round Handle of 110 mm (4 inch)[nominal] diameter for HDPE pipeline installation (flanged).</p> <p>Made of corrosion-resistant, high impact material for drinking-water supply grading to endure high torque (cast iron or polyvinyl chloride) and withstand at least 1MPa (10 bar) operating pressure.</p> <p>Stem sealed with O-ring to prevent external leaks and easy replaceability.</p> <p>Includes all accessories, adapter, supporter mold, spindle and welding works (electro fusion). Valves must have a valid certificate of origin, ISO certified company and stainless shaft steel with surface box for manholes.</p> <p>Works must comply to on-site supervisor</p>	<p>توريد وتركيب صمام بوابة نوع P (PLUG) دائري بقطر 110 مم (4 بوصات) [الاسمية] لتركيب خط أنابيب HDPE (ذو حواف).</p> <p>مصنوعة من مواد مقاومة للتآكل عالية التأثير لتصنيف إمدادات مياه الشرب لتحمل عزم الدوران العالي (الحديد الزهر أو البولي فينيل كلوريد) وتحمل 1MPa (10 بار) على الأقل.</p> <p>الجزءية محكمة الغلق بحلقة على شكل O لمنع التسربات الخارجية وسهولة الاستبدال.</p> <p>يشمل جميع الملحقات والمحولات والعفن الداعم وأعمال المغزل واللحام (الانصهار الكهربائي). يجب أن تحتوي الصمامات على شهادة منشأ سارية المفعول ، وشهادة ISO معتمدة ، والفولاذ المقاوم للصدأ مع صندوق سطحي لغرف التفتيش.</p> <p>يجب أن يتوافق العمل مع المشرف في الموقع</p>	1	PCE العدد (القطعة)		

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
20	<p>ø75mm (3") HDPE Valve</p> <p>HD75mm (3 ") صمام HDPE</p>	<p>Supply and installation of gate valve type-P (PLUG) Round Handle of 75 mm (3 inch)[nominal] diameter for HDPE pipeline installation (flanged).</p> <p>Made of corrosion-resistant, high impact material for drinking-water supply grading to endure high torque (cast iron or polyvinyl chloride) and withstand at least 1MPa (10 bar) operating pressure.</p> <p>Stem sealed with O-ring to prevent external leaks and easy replaceability.</p> <p>Includes all accessories, adapter, supporter mold, spindle and welding works (electro fusion). Valves must have a valid certificate of origin, ISO certified company and stainless shaft steel with surface box for manholes.</p> <p>Works must comply to on-site supervisor</p>	<p>توريد وتركيب صمام بوابة نوع P (PLUG) دائري بقطر 75 مم (3 بوصات) [الاسمية] لتركيب خط أنابيب HDPE (ذو حواف).</p> <p>مصنوعة من مواد مقاومة للتآكل عالية التأثير لتصنيف إمدادات مياه الشرب لتحمل عزم الدوران العالي (الحديد الزهر أو البولي فينيل كلوريد) وتحمل 1MPa (10 بار) على الأقل.</p> <p>الجزءية محكمة الغلق بحلقة على شكل O لمنع التسربات الخارجية وسهولة الاستبدال.</p> <p>يشمل جميع الملحقات والمحول والعفن الداعم وأعمال المغزل واللحام (الانصهار الكهربائي). يجب أن تحتوي الصمامات على شهادة منشأ سارية المفعول ، وشهادة ISO معتمدة ، والفولاذ المقاوم للصدأ مع صندوق سطحي لغرف التفتيش.</p> <p>يجب أن يتوافق العمل مع المشرف في الموقع</p>	1	PCE العدد (القطعة)		
Pipe disinfecting and testing							
21	<p>Network Cleaning & Washing</p> <p>تنظيف وغسيل الشبكات</p>	<p>Network cleaning and disinfecting: cleaning of network, 25 to 50 PPM chlorine for one hour, testing at furthest point in network minimum 10PPM chlorine after 24 hours, provision of test certification. According to AWWAC6651 (American standard)</p>	<p>تنظيف وتعقيم الشبكة: تنظيف الشبكة ، 25 إلى 50 جزءاً في المليون من الكلور لمدة ساعة واحدة ، الاختبار عند أبعد نقطة في الحد الأدنى من الكلور 10PPM في الشبكة بعد 24 ساعة ، توفير شهادة الاختبار. وفقاً لـ AWWAC6651 (المعيار الأمريكي)</p>	325	Linear Meters متر طولي		
22	<p>Network Hydraulic Testing</p> <p>الاختبار الهيدروليكي للشبكة</p>	<p>Network hydraulic testing, hydraulic testing of network by using air compressor for testing max pressure about 10bar, using barometer gauge for measuring (best type). AWWAC600 American standards</p>	<p>الاختبار الهيدروليكي للشبكة ، الاختبار الهيدروليكي للشبكة باستخدام ضاغط الهواء لاختبار الضغط الأقصى حوالي 10 بار ، باستخدام مقياس البارومتر لقياس (أفضل نوع). AWWAC600 المعايير الأمريكية</p>	325	Linear Meters متر طولي		

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Backfilling and compaction							
23	Backfilling ردم	Back-filling main trench of new pipeline network with clean soft sand (commercially sourced) free from debris, rocks, gravel, particle size must conform to the grading requirements of ASTM C33, minimum depth 30cm and width 40cm for 110-mm/75mm pipeline, result of sieve analysis should be submitted prior to work. Including all other trenches resulting from household connections etc.	يجب أن يتطابق الخندق الرئيسي لشبكة الأنابيب الجديدة مع الرمل الناعم النظيف (الذي يتم الحصول عليه تجاريًا) الخالي من الحطام والصخور والحصى وحجم الجسيمات مع متطلبات الدرجات في ASTM C33 ، بعمق 30 سم على الأقل وعرض 40 سم لخط أنابيب 110 مم / 75 مم ، يجب تقديم نتيجة تحليل الغريال قبل العمل. بما في ذلك جميع الخنادق الأخرى الناتجة عن التوصيلات المنزلية وما إلى ذلك	50	m ³ 3م		
24	Warning Tape شريط تحذير	Warning tape to be installed 0.4m above the soft sand layer. (Tape to be at least 0.1m wide)	الناعمة الرمل طبقة فوق متر 0.4 تحذير شريط تركيب يتم " (الأقل على م 0.1 الشريط عرض يكون أن يجب)	1	PCE العدد (القطعة)		
25	Backfilling (sub-base) ردم (القاعدة الفرعية)	Supply required machines and equipment with sub-base granular material (commercially sourced) to do the backfill of sub-base layer with depth of 60cm and width 40cm for 110-mm/75mm pipeline , the particle size of sub-base granular material shall meet the requirement of class A when tested in accordance with AASHTO T-27 , result of sieve analysis should be submitted prior to work, the sub base back filling should be made in multiple layers each layer with maximum thickness of 20cm and compaction must be measured in the field using appropriate testing equipment such as a troxler densometer. and laying warning tape directly between second and third layer. Including all other trenches resulting from household connections etc.	توريد الماكينات والمعدات المطلوبة بمواد حبيبية فرعية (من مصادر تجارية) للقيام بإعادة الردم لطبقة القاعدة الفرعية بعمق 60 سم وعرض 40 سم لخط أنابيب 110 مم / 75 مم ، ويجب أن يفي حجم حبيبات المواد الحبيبية الفرعية متطلبات الفئة A عند اختبارها وفقًا لـ AASHTO T-27 ، يجب تقديم نتيجة تحليل الغريال قبل العمل ، يجب أن يتم ملء طبقة القاعدة الفرعية في طبقات متعددة كل طبقة بسماكة قصوى 20 سم ويجب قياس الضغط في المجال باستخدام معدات الاختبار المناسبة مثل مقياس كثافة Troxler. ووضع شريط تحذير مباشرة بين الطبقة الثانية والثالثة. بما في ذلك جميع الخنادق الأخرى الناتجة عن التوصيلات المنزلية وما إلى ذلك	100	m ³ 3م		

No.	Item	Description	Description in Arabic	Quantity	Unit	Unit Price USD (DDP/VAT)	Total price USD (DDP/VAT)
Concrete							
26	Plastic Sheet ورقة البلاستيك	Supply and lying of transparent construction plastic sheet, thickness 40-250 micron, with width 40cm for 110-mm/75mm pipeline	توريد و كذب صفائح بلاستيك انشائية بسماكة 40-250 ميكرون بعرض 40 سم لخط انابيب 110 مم / 75 مم	130	m ² م ²		
27	Restoration of Concrete ترميم الخرسانة	Casting and pouring structural concrete (1:2:4) concrete (strength 20Mpa cubical) , the work includes good finishing of concrete surface, 10 to 20 cm in depth of the concrete. Width of 500mm. Including all other trenches resulting from household connections etc. (approximating 2m per household connection).	صب وصب الخرسانة الإنشائية (1:2:4) الخرسانة (القوة 20 ميجا باسكال مكعب) ، يشمل العمل تشطيب جيد لسطح الخرسانة ، بعمق 10 إلى 20 سم في الخرسانة. عرض 500 ملم. بما في ذلك جميع الخنادق الأخرى الناتجة عن التوصيلات المنزلية وما إلى ذلك (حوالي 2 متر لكل توصيل للمنزل)	20	m ³ م ³		

BIDDER'S COMMENTS/REMARKS:

1. _____
2. _____

END OF LOT 3
BIDDER'S TERMS AND CONDITIONS:

1. Validity of the offer: _____ (recommended: 6 months or more)
2. Terms of delivery (Lead-time): _____
3. Terms of payment: _____

Name of Bidder's Authorized Representative: _____

Authorized signature and stamp: _____

Date: _____

BIDDER'S QUESTIONNAIRE – ACTED Iraq

Date:

Tender N°: T/10DVI/57F/RWI/TELAFAR/30-08-2020/001

PART I: INFORMATION

A. Company Details and General Information

Name of Company		Trading As	
Address (headquarters)		Telephone	
Zip Code (headquarters)		Fax	
City (headquarters)		E-mail address 1	
PO Box		E-mail address 2	
Country (headquarters)		Website address	
Parent Company or name of owner		Subsidiaries/ Associates/ Overseas Representative	
Sales Person's Name		Sales Person's Position	
Sales Person's phone		Sales Persons' E-mail	

Governance of the company: Chairman, Vice-Chairman, Treasurer or Secretary of the Board of Directors or Board of Trustees

Name (as in passport or other government-issued photo ID)		Date of birth (mm/dd/yyyy)	
Government-issued photo Identification Document (ID) number		Type of ID	
ID country of issuance		Rank or title in organization	
Other names used (nicknames or pseudonyms not listed as "Name")		Gender (e.g. male, female)	
Current employer and job title:		Occupation	
Address of residence		Citizenship(s)	
Province/Region		E-mail address	
Is the individual a U.S. citizen or legal permanent resident?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Professional Licenses – State Issued Certifications	

Management of the company: CEO, Executive Director, Deputy Director, President or Vice-President

Name (as in passport or other government-issued photo ID)		Date of birth (mm/dd/yyyy)	
Government-issued photo Identification Document (ID) number		type of ID	
ID country of issuance		Rank or title in organization	
Other names used (nicknames or pseudonyms not listed as "Name")		Gender (e.g. male, female)	
Current employer and job title:		Occupation	
Address of residence		Citizenship(s)	
Province/Region		E-mail addresses	
Is the individual a U.S. citizen or legal permanent resident?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Professional Licenses – State Issued Certifications	

Management of the company: Chief Finance Officer or Chief Accountant

Name (as in passport or other government-issued photo ID)		Date of birth (mm/dd/yyyy)	
Government-issued photo Identification Document (ID) number		type of ID	
ID country of issuance		Rank or title in organization	

Other names used (nicknames or pseudonyms not listed as "Name")		Gender (e.g. male, female)	
Current employer and job title:		Occupation	
Address of residence		Citizenship(s)	
Province/Region		E-mail addresses	
Is the individual a U.S. citizen or legal permanent resident?	<input type="checkbox"/> Yes <input type="checkbox"/> No	Professional Licenses – State Issued Certifications	
Company's staff & insurance			
No. Full Time Employees:		Employee average work wage per hour:	
% of Men to Women:		Any employee(s) with relatives working with ACTED?	<input type="checkbox"/> Yes <input type="checkbox"/> No
No. of Children:		What is the legal minimum wage paid?	<input type="checkbox"/> Yes <input type="checkbox"/> No
In what capacity?		Are paid vacations offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No
What are their ages?		Are flexible working hours offered?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Name of insurance company:		Staff covered by health insurance?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Description of the Company			
Type of Business (multiple choices possible):	<input type="checkbox"/> Manufacturing <input type="checkbox"/> Consulting Company <input type="checkbox"/> Authorized Agent <input type="checkbox"/> Manufacturing <input type="checkbox"/> Trader <input type="checkbox"/> Other, please specify : _____		
Sector of Business (multiple choices possible):	<input type="checkbox"/> Goods / supplies <input type="checkbox"/> Services <input type="checkbox"/> Equipment <input type="checkbox"/> Works <input type="checkbox"/> Other, please specify : _____		
Year Established:		Country of registration:	
Licence number:		Valid until:	
Working languages:	<input type="checkbox"/> English <input type="checkbox"/> French <input type="checkbox"/> Spanish <input type="checkbox"/> Arabic <input type="checkbox"/> Chinese <input type="checkbox"/> Other, please specify : _____		
Technical documents available in:	<input type="checkbox"/> English <input type="checkbox"/> French <input type="checkbox"/> Spanish <input type="checkbox"/> Arabic <input type="checkbox"/> Chinese <input type="checkbox"/> Other, please specify : _____		
B. Financial Information			
VAT Number:		Tax Number:	
Bank Name:		Bank Account Number:	
Bank Address:		Account Name:	
Swift/BIC number:		Standard Payment Terms:	
Has the company been audited in the last 3 years?			<input type="checkbox"/> Yes <input type="checkbox"/> No
Please attach a copy of the company's most recent Annual or Audited Financial Report			<input type="checkbox"/> Attached
Annual Value of Total Sales for the last 3 Years:			
Year:		Year:	
USD:		USD:	
Annual Value of Export Sales for the last 3 years			
Year:		Year:	
USD:		USD:	
C. Experience			
Company's recent business with ACTED and/or other International Aid Agencies or United Nations Agencies:			
#	Organisation	Contact person	Phone/E-mail
1			
2			
3			

4					
5					
What is your company's main area of expertise?					
What is your company's business coverage area?		<input type="checkbox"/> National <input type="checkbox"/> Restricted to (specify location) : _____			
To which countries has your company exported and/or managed projects in the last 3 years?					
Provide any other information that demonstrates your company's qualifications and experience (eg. awards)					
List any national or international Trade/Professional Organisations of which your company is a member					
D. Technical Capability					
Type of Quality Assurance Certificate		<input type="checkbox"/> Attached			
Type of Certification/Qualification Documents		<input type="checkbox"/> Attached			
International Offices/Representation					
List below up to 10 of the core Goods and/or Services your company sells:					
1)		6)			
2)		7)			
3)		8)			
4)		9)			
5)		10)			
List the main assets of your company (trucks & heavy machines, heavy & valuable equipment, premises & warehouses, production sites etc.)					
1)		6)			
2)		7)			
3)		8)			
4)		9)			
5)		10)			
E. Miscellaneous					
Does your company have an Environmental Policy? (Yes/No)		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Does your company have an Ethical Trading Policy? (Yes/No)		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Does your company have an Anti-terrorist Policy? (Yes/No)		<input type="checkbox"/> Yes <input type="checkbox"/> No			
Is your company compliant with the EU General Data Protection Regulation (or equivalent)? (Yes/No)		<input type="checkbox"/> Yes <input type="checkbox"/> No			
If you answered yes to the above two questions, please attach copies of your policy:					<input type="checkbox"/> Attached
Has your company ever been bankrupt, or is in the process of being wound up, having its affairs administered by the courts, has entered into an arrangement with creditors, has suspended business activities, is the subject of proceedings concerning these matters, or is in any analogous situation arising from a similar procedure provided for in national law?					<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:					
Has your company ever been convicted of an offence concerning its professional conduct by a judgment which as force of res judicata?					<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:					
Has your company ever been guilty of grave professional misconduct proven by other means?					<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:					
Has your company ever not fulfilled its obligations relating to the payment of social security contributions, or the payment of taxes in accordance with the law of the country in which it is established, or with those of France, or those of the country where the contract is to be performed?					<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:					

Has your company ever been the subject of a judgement, which has the force of res judicata for fraud, corruption, involvement in a criminal organisation or any other illegal activity?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Has your company ever been declared to be in serious breach of contract for failure to comply with its contractual obligations, following another procurement procedure or grant award procedure financed by a donor country?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Has your company ever been declared to be in serious breach of contract for failure to comply with its contractual obligations, following another procurement procedure or grant award procedure financed by a donor country?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Has your company ever been in any dispute with any Government Agency, the United Nations, or International Aid Organisations (including ACTED)?		<input type="checkbox"/> Yes <input type="checkbox"/> No
If you answered yes, please provide details:		
Do you agree with terms of payment of 30 days? <input type="checkbox"/> Yes <input type="checkbox"/> No		Do you accept visit of ACTED staff & external auditors to your office? <input type="checkbox"/> Yes <input type="checkbox"/> No

PART II: CERTIFICATION

I, the undersigned warrant that the information provided in this form is correct, and in the event of changes, details will be provided to ACTED as soon as possible in writing. I also understand that ACTED does not do business with companies, or any affiliates or subsidiaries, which engage in any practices that are in breach of ACTED's Child Protection, Sexual Exploitation and Abuse Protection, Conflict of Interest, Anti-fraud, Anti-terrorism Policy and Data Protection Policies (available on request).

Name:		Date:	
Title/Position		Place:	
E-mail address (for contact for verification purposes):		Signature:	
Phone number (for contact for verification purposes):		Company Stamp:	

Check list of supporting documents		For ACTED use only	
1)	Trading license	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
2)	VAT registration/tax clearance certificate	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
3)	Company profile	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
4)	Proof of trading/dealership/agent	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
5)	Evidence of similar contracts	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
6)	References	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
7)	Particulars of CEO and key personnel	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
8)	Articles of Association & Certificate of incorporation	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
9)	Financial statements (latest)	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked
10)	Other (specify):	<input type="checkbox"/> Attached	<input type="checkbox"/> Checked

Company Name: _____

Authorized Representative Name: _____

Signature: _____

Stamp: _____

BIDDER'S ETHICAL DECLARATION – ACTED Iraq

Date:

Tender N°: T/10DVI/57F/RWI/TELAFAR/30-08-2020/001

Bidder's name: _____

Bidder's address: _____

CODE OF CONDUCT:**1. Labour Standards**

The labour standards in this code are based on the conventions of the International Labour Organisation (ILO).

- *Employment is freely chosen*

There is no forced, bonded or involuntary prison labour. Workers are not required to lodge 'deposits' or their identity papers with the employer and are free to leave their employer after reasonable notice.

- *Freedom of association and the right to collective bargaining are respected*

Workers, without distinction, have the right to join or form trade unions of their own choosing and to bargain collectively. The employer adopts an open attitude towards the legitimate activities of trade unions. Workers representatives are not discriminated against and have access to carry out their representative functions in the workplace. Where the right to freedom of association and collective bargaining is restricted under law, the employer facilitates, and does not hinder, the development of parallel means for independent and free association and bargaining.

- *Working conditions are safe and hygienic*

A safe and hygienic working environment shall be provided, bearing in mind the prevailing knowledge of the industry and of any specific hazards. Adequate steps shall be taken to prevent accidents and injury to health arising out of, associated with, or occurring in the course of work, by minimising, so far as is reasonably practicable, the causes of hazards inherent in the working environment. Workers shall receive regular and recorded health and safety training, and such training shall be repeated for new or reassigned workers. Access to clean toilet facilities and potable water and, if appropriate, sanitary facilities for food storage shall be provided. Accommodation, where provided, shall be clean, safe, and meet the basic needs of the workers. The company observing the standards shall assign responsibility for health and safety to a senior management representative.

- *Child Labour shall not be used*

There shall be no new recruitment of child labour. Companies shall develop or participate in and contribute to policies and programmes, which provide for the transition of any child found to be performing child labour to enable her/him to attend and remain in quality education until no longer a child. Children and young people under 18 years of age shall not be employed at night or in hazardous conditions. These policies and procedures shall conform to the provisions of the relevant International Labour Organisation (ILO) standards.

- *Living wages are paid*

Wages and benefits paid for a standard working week meet, at a minimum, national legal standards or industry benchmarks. In any event wages should always be high enough to meet basic needs and to provide some discretionary income. All workers shall be provided with written and understandable information about their employment conditions in respect to wages before they enter employment, and about the particulars of their wages

for the pay period concerned each time that they are paid. Deductions from wages as a disciplinary measure shall not be permitted nor shall any deductions from wages not provided for by national law be permitted without the express and informed permission of the worker concerned. All disciplinary measures should be recorded.

Working hours are not excessive

Working hours comply with national laws and benchmark industry standards, whichever affords greater protection. In any event, workers shall not on a regular basis be required to work in excess of the local legal working hours. Overtime shall be voluntary, shall not exceed local legal limits, shall not be demanded on a regular basis and shall always be compensated at a premium rate.

- *No discrimination is practised*

There is no discrimination in hiring, compensation, access to training, promotion, termination or retirement based on race, caste, national origin, religion, age, disability, gender, marital status, sexual orientation, union membership or political affiliation.

- *Regular employment is provided*

To every extent possible work performed must be on the basis of a recognised employment relationship established through national law and practice. Obligations to employees under labour or social security laws and regulations arising from the regular employment relationship shall not be avoided through the use of labour-only contracting, sub-contracting or home-working arrangements, or through apprenticeship schemes where there is no real intent to impart skills or provide regular employment, nor shall any such obligations be avoided through the excessive use of fixed-term contracts of employment.

- *No harsh or inhumane treatment is allowed*

Physical abuse or discipline, the threat of physical abuse, sexual or other harassment and verbal abuse or other forms of intimidation shall be prohibited.

B. Environmental Standards

Suppliers should as a minimum comply with all statutory and other legal requirements relating to the environmental impacts of their business. Detailed performance standards are a matter for suppliers, but should address at least the following:

- *Waste Management*

Waste is minimised and items recycled whenever this is practicable. Effective controls of waste in respect of ground, air, and water pollution are adopted. In the case of hazardous materials, emergency response plans are in place.

- *Packaging and Paper*

Undue and unnecessary use of materials is avoided, and recycled materials used whenever appropriate.

- *Conservation*

Processes and activities are monitored and modified as necessary to ensure that conservation of scarce resources, including water, flora and fauna and productive land in certain situations.

- *Energy Use*

All production and delivery processes, including the use of heating, ventilation, lighting, IT systems and transportation, are based on the need to maximise efficient energy use and to minimise harmful emissions.

- *Safety precautions for transport and cargo handling*

All transport and cargo handling processes are based on the need to maximise safety precautions and to minimise potential injuries to ACTED beneficiaries and staff as well as the suppliers' employees or those of its subcontractors.

C. Business Behaviour

The conduct of the supplier should not violate the basic rights of ACTED's beneficiaries.

The supplier should not be engaged

1. in the manufacture of arms
2. in the sale of arms to governments which systematically violate the human rights of their citizens; or where there is internal armed conflict or major tensions; or where the sale of arms may jeopardise regional peace and security.

D. ACTED procurement rules and regulations

Suppliers should comply with ACTED procurement rules and regulations outlines in ACTED Logistics Manual Version 1.2 or above. In particular, ACTED's procurement policy set out in Section 2.1 and 2.4. (contract awarding). By doing so, Suppliers acknowledge that they do not find themselves in any of the situations of exclusion as referred to under section 2.4.2.

Operating Principles

The implementation of the Code of Conduct will be a shared responsibility between ACTED and its suppliers, informed by a number of operating principles, which will be reviewed from time to time.

ACTED will:

1. Assign responsibility for ensuring compliance with the Code of Conduct to a senior manager.
2. Communicate its commitment to the Code of Conduct to employees, supporters and donors, as well as to all suppliers of goods and services.
3. Make appropriate human and financial resources available to meet its stated commitments, including training and guidelines for relevant personnel.
4. Provide guidance and reasonable non-financial support to suppliers who genuinely seek to promote and implement the Code standards in their own business and in the relevant supply chains, within available resources.
5. Adopt appropriate methods and systems for monitoring and verifying the achievement of the standards.
6. Seek to maximise the beneficial effect of the resources available, e.g. by collaborating with other NGOs, and by prioritising the most likely locations of non-compliance.

ACTED expects suppliers to:

1. Accept responsibility for labour and environmental conditions under which products are made and services provided. This includes all work contracted or sub-contracted and that conducted by home or other out-workers.
2. Assign responsibility for implementing the Code of Conduct to a senior manager.
3. Make a written Statement of Intent regarding the company's policy in relation to the Code of Conduct and how it will be implemented, and communicate this to staff and suppliers as well as to ACTED.

Both parties will

1. Require the immediate cessation of serious breaches of the Code and, where these persist, terminate the business relationship.
2. Seek to ensure all employees are aware of their rights and involved in the decisions which affect them.
3. Avoid discriminating against enterprises in developing countries.

4. Recognise official regulation and inspection of workplace standards, and the interests of legitimate trades unions and other representative organisations.
5. Seek arbitration in the case of unresolved disputes.

Qualifications to the Policy Statement

The humanitarian imperative is paramount. Where speed of deployment is essential in saving lives, ACTED will purchase necessary goods and services from the most appropriate available source.

ACTED can accept neither uncontrolled cost increases nor drops in quality. It accepts appropriate internal costs but will work with suppliers to achieve required ethical standards as far as possible at no increase in cost or decrease in quality.

E. Relation with Terrorism and Belligerent Forces

Bidder certifies that it has not provided and will not provide material support resources, information or any other means to any individual, association or organization that it knows, or has reason to know, is an individual or organization that advocates, plans, sponsors, engages in, or has engaged in an act of terrorism within Iraq or abroad. Bidders also commits to not support, advocate or assist any belligerent party that may affect ACTED alignment with humanitarian principles of impartiality and neutrality.

I undersigned _____, agree to adopt the above Code of Conduct and to commit to comply with the labour and environmental standards specified, both in my own company and those of my suppliers.

Name & Position of Bidder's authorized representative: _____

Authorized signature: _____

Stamp:

BIDDER'S CHECKLIST – ACTED Iraq

Date:

Tender N°: T/10DVI/57F/RWI/TELAFAR/30-08-2020/001

BEFORE SENDING YOUR BIDDING DOCUMENTS, PLEASE CHECK THAT EACH OF THE FOLLOWING ITEM IS COMPLETE AND RESPECTS THE FOLLOWING CRITERIA :

Description	To be filled in by Bidder		For ACTED use only (to be filled in by Purchase Committee)		
	Included		Present		Comments
	Yes	No	Yes	No	
1. An original and one copy of the bid have been provided (compulsory)					
2. PART 1 (form PRO-05) – Instructions to Bidders is attached, filled, signed and stamped by the supplier. (compulsory)					
3. PART 2 (form PRO-06) – Offer Form is attached, filled, signed and stamped by the supplier. (compulsory)					
4. The prices in the Offer Form are in USD (compulsory)					
5. PART 3 (form PRO-06-01) – Bidders Questionnaire Form is attached, filled, signed and stamped by the supplier. (compulsory)					
6. PART 4 – (form PRO-06-02) – Bidder's Ethical Declaration is attached, filled, signed and stamped by the supplier. (compulsory)					
7. The Bidding documents are filled in English. (compulsory)					
8. Company registration (valid).					
9. Tax clearance certificate (valid)					
10. List of evidence of experience undertaking similar work (compulsory)					
11. List of key personnel allocated to the project for management and technical support with updated CVs (compulsory)					
12. List of evidence of company assets allocated to the project (compulsory)					
13. Gantt chart of the activities (compulsory)					
14. Certificate of origin if requested.					
15. Copy of the bidder's identification documents (ID).					

Name & Position of Bidder's authorized representative _____

Authorized signature and stamp _____