

INTERNATIONAL CALL FOR TENDER – INSTRUCTIONS TO BIDDERS

ACTED **LEBANON**

Date: 28-12-2021

Tender N°: T/11EKA/D65AON-D65AOU/BRT/PRG/28-12-2021/001

ACTED Lebanon (partner in the HAWKAMA consortium) is requesting through this tender a company to provide detailed written quotations for the supply of the following products:

PRODUCT SPECIFICATIONS:

- | | |
|-------------------------------------|---|
| 1. Description: | Rehabilitation of Potable and Storm Water Network in Southern Suburb of Beirut |
| 2. Product class / category: | Works / Products |
| 3. Made in (product origin): | Various |
| 4. Product stage: | Works / Products: Final |
| 5. INCOTERMS (delivery conditions): | DDP Southern suburb of Beirut district LEBANON |

Description	INCOTERMS/Delivery point	Category	Delivery deadline
Rehabilitation of Potable and Storm Water Network in Southern Suburb of Beirut	DDP Southern suburb of Beirut (Ouzai)	<i>Works/Products</i>	<i>Refer to instructions in bidders' documents</i>

RESPONSIBILITIES OF THE SUPPLIER:

- | | |
|---------------------------|--|
| 1. Terms of delivery: | DDP Southern suburb of Beirut (Ouzai)LEBANON |
| 2. Date of delivery for: | 10 months after the signature of the contract |
| 3. Validity of the offer: | Prefered 12 months |

The answers to this tender should include the following elements:

- A written quotation including all the product specifications, the price per unit, quantity proposed and unit, and total price (**Compulsory**);
- Signed and stamped instructions for bidders (**Compulsory**);
- A copy of company registration documents and ID of the legal representative of the company (**Compulsory**);
- Temporary Insurance Value: 30,000 USD (Thirty Thousand USD only) or as Bank guarantee. Temporary Insurance by virtue of a Bank Guarantee Letter issued by a bank approved by the Republic of Lebanon in accordance with the circular of Mr. / Prime Minister No (25/96) dated 13.02.1996 provided that it shall be automatically renewed unless ACTED expressed its approval upon the termination of the same (**Compulsory**);
- A catalogue and technical specifications of the products or if there are different options, a sample of each option might to be submitted after pre-selection (**Compulsory**);
- Filled, signed and stamped Bidder's Questionnaire Form and Bidder's Ethical Declaration (**Compulsory**);
- Only suppliers and/or companies are eligible to bid (companies with registration certificate);

GENERAL CONDITIONS:

1. The **closing date** of this tender is fixed on **28/01/2022 at 17:00 (local Lebanese time)** in ACTED Lebanon offices at the following address:
 - Beirut Office: 8th floor, Eshmoun Bldg, Damascus Road, Sodeco, Ashrafieh, Beirut
 - Or by email to: lebanon.tender@acted.org, cc: tender@acted.org
2. Offers shall be submitted in English and in **USD, Excluding VAT.**
3. Prices should **include delivery costs to required locations.**
4. Bidders will fill, sign, stamp and return the Offer form according to ACTED's format.
5. Bidders will sign, stamp and return all pages of the Product Specifications for which they apply (**Compulsory**);
6. The offer to the call for tender will not result in the award of a contract.
7. This project is funded by EU-MADAD and prices offered should be **excluding VAT as this project is 100% VAT exempted**
8. The offer must be submitted in two (2) separate envelopes or two (2) separate Emails (1- offer form 2-all other related and requested documents) with the mention: "**T/11EKA/D65AON-D65AOU/BRT/PRG/28-12-2021/001** not to be opened before **31/01/2022**".
9. The selection of the eligible contractors will be based on the criteria mentioned in the "Annex" and as per below
 - a. Technical Evaluation = 60points based on:
 - i. Experience
 - ii. Timeline
 - iii. Company capacity
 - b. Financial Evaluation = 40 points

10. Three (3) sections are mandatory in the “offer form”, and the other sections are optional depending on the budget availability
11. All works shall be awarded to one company
12. Works duration is estimated at 10 months
13. Interested bidders are requested to collect the full tender documents free of charge by sending an email to Lebanon.tender@acted.org cc tender@acted.org.
14. Unsealed envelopes and late offers will not be considered.
15. Payments will be done by bank transfer from ACTED in fresh USD to the winning bidder’s bank
16. The full documents (Drawings, Bid conditions, general and technical specifications, etc....) can be collected free of charge by requesting them through e-mail to lebanon.tender@acted.org cc tender@acted.org
17. Please note that ACTED will need to follow EuropeAid’s Guidelines concerning the origin of supplies. For more information, EuropeAid procurement guidelines are fully detailed in PRAG16
(http://ec.europa.eu/europeaid/prag/welcome.do?header_description=Manuel+DEVCO+des+procedures+financi%E8res+et+contractuelles+Applicable+aux+actions+ext%E9rieures+financ%E9es+par+le+budget+g%E9n%E9ral+de+LUE+et+du+11e+FED&header_keywords=ePrag+%2C+europa&locale=en).

In particular, rules of origin & nationality are detailed in section 2.3.1 of PRAG2016, and further in annex A2A.

ACTED reserves the right to exclude products or reject bids from certain origins with regard to guidelines of EuropeAid (please refer Annex a2a_ecprogrammes_eligibility2014_2020_en (1))s

18. 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.”
19. The selection of the best contractor will be done through a points system of 60 for technical (25 for previous experience in similar works, 10 for workplan and 25 for company capacity) and 40 for financial

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

Name of authorized representative :

Date of signature :

Signature :

OFFER FORM – ACTED LEBANON

Date :

Tender Réf.: **T/11EKA/D65AON-D65AOU/BRT/PRG/28-12-2021/001**

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

1. Company Name: (_____)
2. Company Authorized Representative Name: (_____)
3. Company Registration No: (_____)
No/Country/ Ministry
4. Company Specialization: (_____)
5. Mailing 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.

PREAMBLE TO BILL OF QUANTITIES

General

This preamble should be considered an integral part of the tender documents and specifically the Bill of Quantities.

The Contractor shall be deemed to have read this preamble and taken it into consideration in filling the Bill of Quantities. The Bill Of Quantities does not purport to be either exhaustive or explanatory of all the obligations and duties of the Contractor who shall be deemed to have satisfied himself as to the correctness and sufficiency of the rates and prices entered by him in the Bill Of Quantities all of which shall cover all his obligations under the Contract (including those in respect of the supply of goods, materials, plant or services or contingencies) and all matters and things necessary for the proper therein and completion of the works and the remedying of any defects therein and which may reasonably be inferred to be necessary for the works as described in the Contract documents whether expressly mentioned therein or not.

The text in the Bill of Quantities shall not be altered or qualified in any way by the Bidder. Any such alteration or qualification to the text shall be ignored and the text shall remain as printed. Moreover, such alteration or qualification is liable to result in a Bid, which is otherwise favourable, not being considered.

The unit prices are to be fully inclusive value of the works described in the specifications, in the drawings, in the Bill of Quantities as directed by the Engineer for proper execution of the works and contract.

All the general requirements in Part 1 of the Technical Specifications are to be implemented. Few of them are paid directly under separate items as Pay Items in the Bill of Quantities. All other requirements covered under this part; they are paid indirectly as they are considered subsidiary obligation of the Contractor.

All goods, materials, equipment and accessories shall be submitted to the Engineer for prior approval.

The Bill of Quantities shall be priced in US Dollars. The rates inserted in the Bill of Quantities shall be in words (letters) and in figures. In the case of discrepancy between the two, the rates written in words shall govern.

Item Description

The items in the Bill of Quantities do not necessarily contain full description of the required Works, and when pricing, the Contractor shall allow in his unit rates for all obligations, liabilities and services stipulated in the relevant sections of:

- Technical Specifications
- Drawings

Rates and Prices

The Contractor shall be deemed to have inserted against each item in the bill of quantities such rates and prices as he may deem necessary to cover the execution of the Contract. Where neither price nor rate is entered against an item it shall be deemed to be "nil" and measured accordingly. Any item, which is not priced, shall be deemed to have been included in other rates and priced and in the Contract price.

Rates and prices shall be inserted in the unit rate column of the Bill of Quantities.

If the same item with the same technical specifications is priced differently more than once in the Bill of Quantities, the lowest price will be taken as binding.

The unit prices inserted in the Bill of Quantities are to be the full inclusive value of the work described in the specifications and contract documents and shall cover the cost of all labour subsistence and traveling, materials, temporary work, structural plant, watching and any other cost whatsoever, together with all risks, liabilities and obligations set forth or implied in the Contract Documents.

The unit rates and prices inserted by the Contractor shall apply throughout the Contract and to any additional work, which might be ordered by the Engineer.

Labour Intensive

Based on the MADAD 3 (HawKamaa proposal) project guidelines, The contractor is obliged to include in his work force, 30 individuals previously selected and trained by ACTED, 15 Lebanese and 15 refugees, to work on the project for 40 days, and get paid by the standards of the Lebanese Labour law.

Specification, Quantities, Measurement

Cross Reference: Where Specification section numbers or type of work numbers are given on the Drawings or in the Bill of Quantities, they are intended to help define the part or parts of the specification which apply to particular kinds of work or parts of the works.

If the references are to specific items or kinds or types of work within a section of the Specification, they must be taken as applying to the section as a whole, including all other relevant information. The references are not exclusive of other relevant information and requirements stated in other parts or sections of the Specification. The Specification as a whole must be taken as applying to the Works as a whole.

The quantities given in the bill of quantities are the estimated quantities. In no sense shall such quantities be considered as limiting or extending the amount of the work to be done by the Contractor. Quantities set out in the Bill of Quantities shall not be taken as the actual quantities for ordering or purchasing of materials. The Contractor shall be responsible for checking quantities and for making any necessary surveys and investigations prior to placing any order for materials.

All measurements in the Bill of Quantities are strictly net. The principle of net measurements shall also apply to all works executed. All quantities measured for payment shall be measured by the Engineer on the basis of actual net quantities of work fixed in position. Items and/or quantities not used shall neither be measured nor included by the Contractor in his statements.

Provisional items shall be used at the discretion of the Engineer and only if ordered or required by the Engineer in writing.

The Employer shall have the right to modify the scope of work by eliminating or adding any part of it to suit his budget and interests. In this respect, the Employer shall have the right to modify, reduce/eliminate and/or add the quantity of any item in the Bill of Quantities. The new contract amount shall be calculated accordingly. The Contractor shall take this into consideration when filling the rates in the Bill of Quantities and therefore shall have no right to claim against these changes.

Items to be Fully Inclusive

Unless otherwise specifically stated in the Bill of Quantities, the rates and prices for all items shall be fully inclusive of all that is necessary to fulfil the liabilities and obligations arising out of the Contract and shall include but will not be limited to:

- Labour and all costs in connection therewith,
- Materials, products, goods, equipment, consumable, accessories and all costs in connection therewith,
- Contractor's equipment, including but not limited to provision and construction of plant, scaffolding, tools, vehicles and the like, and all cost in connection therewith,
- Contractor's facilities and accommodations,
- Site administration and security,
- Water, lighting and power for the Works,
- Compliance with traffic regulations,
- Compliance with Safety, Health and Environmental Regulations,
- Protection and maintenance of Public and Private roads, services and properties,

- Reparation of damages occurred on the site,
 - Construction and maintenance of access and service roads allowing free and secure passing over or across for vehicles and personnel in the neighbourhood,
 - Continuous potable and irrigation water supply during the execution phase,
 - Utilities protection,
 - All charges, overheads, indirect cost and Contractor's profit,
 - Insurances, Bonds and guarantees,
 - All charges, customs and import duties,
 - Laboratory equipment and tests as described in the specifications, bill of quantities or as directed by the Engineer and all costs in connection therewith,
 - Coordination of work,
 - Giving notices and making applications, including the payment of fees and charges in connection therewith,

 - Preparation and submittal of reports, records, photos, certificates, notices, proposals, and other information and data required by the Engineer,

 - Design, details, calculations and drawings (computerized) required by the Engineer,
 - Detailed survey,
 - Temporary works and services associated with the Works and the design thereof,
 - Samples of materials,
 - Assembling, fitting and fixing materials, products and goods in position,
 - Any method of fixing, fixing to any nature of base or background including preparation and providing of fixing materials,
 - Waste of materials,
 - Square, raking and curved cutting,
 - Work at any location or height,
 - Work in small, isolated quantities,

 - Protection of all work,
 - Testing and commissioning of service installations and all costs in connection therewith,
 - All work, services and materials which according to the true intent and meaning of the Contract may be reasonably inferred as necessary for completion of the works as described in the drawings, specifications, bill of quantities, or in the Contract, whether expressly mentioned or not,
 - Removal, after the completion of work, of all equipment, materials, tools and accessories used or unused to execute the Contract,
- All Additional works and quantities not included in the BOQ shall be approved written by the Engineer prior to execution.

Abbreviations

The following abbreviations are used in the Bill of Quantities:

Sq. Square	mm Millimetre
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Cu. Cubic	l.m. / m
Linear meter	Nr Number
m2 Square meter	Hr Hour
m3 Cubic meter	Kg Kilogram
km Kilometre	DN Nominal diameter
dia. Diameter	PN Nominal pressure
T Ton	LS Lump sum
kW Kilowatt	P.C Prime cost

- The cost of fulfilling all the requirements of the Contract Documents included in Bid Conditions and Procedures, Conditions of Contract, Technical Specifications, Bill Of Quantities, Drawings and any addenda (if applicable) issued during tendering period, and which are not otherwise itemized separately and accounted for in the Bill Of Quantities shall be deemed to be included in other work items

Please price the below Bill of Quantities keeping in mind that the scope of works might be reduced according to availability of funds

Lot 1: Mandatory Part
STORM AND POTABLE WATER NETWORKS
General requirements

Item No.	Description	Quant.	Unit	U. S. Dollars				
				Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
1.1	For general requirements, refer to preamble							
1.1.1	<p><u>Signages:</u></p> <p>Temporary Signs. Contractor to furnish and install the project signs and the safety warning sign indicated in the Contract Documents. Signs shall be placed as directed by the Engineer; and shall remain maintained in good condition for the life of the construction period. Contractor to remove signs at final acceptance, unless other ACTED directed by the Engineer.</p>							
1.1.2	Project signboards (1.8m x 2m) as per drawings and particular specs	2.00	L.S					
	Mobile signboards as per drawings and particular specs around the works as needed. Size shall be approximately 1000mm x 1200mm and mounted as approved.	2.00	L.S					
1.2	<p><u>Mobilization / Demobilization (including temporary traffic safety devices for site)</u></p> <p>65% of the item price to be paid upon complete Mobilization</p> <ul style="list-style-type: none"> • 35% of the item price to paid upon complete Demobilization 	1.00	L.S					
1.3	<u>Preparatory Works, And Shop Drawings</u>	1.00	L.S					

1.4	<u>Ensuring The Serviceability Of Utilities During Construction</u>	1.00	L.S					
1.5	<u>Field And Workers Safety And Security</u>	1.00	L.S					
1.6	<u>Closeout Procedures</u>	1.00	L.S					
		Total Lot 1						

**Lot 2: Mandatory Part
STORM WATER NETWORK
1- EARTHWORKS**

Item No.	Relevant Spec. Measurement No.	Description	Quant.	Unit	U. S. Dollars			
					Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)
		<u>Road Excavation</u>						
1.1	2.9.03	Trench Excavation and Backfilling of suitable materials for Storm water Gravity Pipes, completed all as shown on the drawings, specified and to the Engineer's satisfaction.	4950.00	m3				
1.2	2.02.03	Cutting, Removal and disposal of the existing asphalt pavement, completed as specified, directed and to the Engineer's satisfaction.	3650.00	m2				

1.3	2.04.04	Borrow Excavation of selected materials as specified and to the Engineer's satisfaction.	3200.00	m ³					
			Total 1						

**Lot 2: Mandatory Part
STORM WATER NETWORK
2- BITUMINOUS CONSTRUCTION**

Item No	Relevant Spec. Measurement No.	Description	Quant.	Unit	U. S. Dollars				
					Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
2.1	4.02.06	Bituminous Prime Coat completed all as specified and to the Engineer's satisfaction.	9000	m ²					
2.2	4.05.27	Bituminous Binder Course as specified and to the Engineer's satisfaction.	600	m ³					
			Total 2						

**Lot 2: Mandatory Part
STORM WATER NETWORK
3- SUB-BASE AND BASE COURSES**

Item No	Relevant Spec. Measurement No.	Description	Quant.	Unit	U. S. Dollars				
					Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT

3.1	3.02.08	Granular Sub-base Course, completed all as specified and to the Engineer's satisfaction.	450	m ³					
3.2	3.03.08	Aggregate Base Course completed all as specified and to the Engineer's satisfaction.	1800	m ³					
			Total 2						

Lot 2: Mandatory Part
STORM WATER NETWORK
4- CONCRETE, STEEL AND STRUCTURES

Item No.	Relevant Spec. Measurement No.	Description	Quant.	Unit	U. S. Dollars				
					Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
4.1	5.01.08	Concrete blinding foundation beds, Class C (110/25) for structures as specified and to the Engineer's satisfaction.	12.00	m ³					
4.2	5.01.08	Cast in situ Reinforced concrete, Class 250/20(B25) for pipes encasement completed as specified, shown on drawings and to the Engineer's satisfaction.	8.00	m ³					
4.3	5.03.04	High Tensile Steel bar reinforcement completed as specified and to the Engineer's satisfaction.	0.35	T					
			Total 3						

**Lot 2: Mandatory Part
STORM WATER NETWORK
5- ENVIRONMENTAL WORKS**

Item No	Relevant Spec. Measurement No	Description	Quant.	Unit	U. S. Dollars				
					Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
5.1		UPVC Drainage Pipes completed as specified including supply, installation and testing.							
5.1a	10.01.04	250mm diameter.	1700.00	m					
5.1b	10.01.04	300mm diameter.	785.00	m					
5.1c	10.01.04	400mm diameter	260.00	m					
5.2	10.01.04	GRP Drainage Pipes completed as specified including supply, installation and testing.							
5.2a	10.01.04	500mm diameter.	70.00	m					
5.2b	10.01.04	600mm diameter.	113.00	m					
5.3		Cast in situ Reinforced concrete storm water manholes, with heavy-duty Ductile iron frame and grating or cover, internal size 1.20mx1.20m, including supply of materials, installation and testing, completed all to the satisfaction of the Engineer, as specified, and shown on drawings.							
5.3.1a	10.04.04	Depth not exceeding 2m.	35.00	Nr					
5.3.1b	10.04.04	Depth more than 2m and not exceeding 3m.	3.00	Nr					
5.3.1c	10.04.04	Depth more than 3m and not exceeding 4m.	2.00	Nr					
5.4		Cast in situ Reinforced concrete storm water manholes, with heavy-duty Ductile iron frame and grating or cover, internal size 1.50mx1.50m, including supply of materials, installation and testing, completed all to the satisfaction of the Engineer, as specified, and shown on drawings.							
5.4.1a	10.04.04	Depth not exceeding 2m	1.00	Nr					
5.4.1b	10.04.04	Depth more than 2m and not exceeding 3m.	6.00	Nr					
5.6	10.04.04	Precast or cast in situ reinforced concrete road gully (60*60cm) with Ductile iron heavy duty grates and frames all completed as specified and as per	134.00	Nr					

		drawings and to the Engineer's satisfaction.						
5.6	10.04.04	Precast or cast in situ reinforced concrete road interceptor with Ductile iron heavy duty grates and frames all completed as specified and as per drawings and to the Engineer's satisfaction.	37.00	m				
5.7	10.05.05	Connection of the proposed sewer or storm pipes lines to the existing network, completed all to the satisfaction of the Engineer.	4.00	Nr				
			Total					

**Lot 3: Mandatory Part
POTABLE WATER NETWORK
1- WATER SUPPLY**

Item No.	Description	Quant.	Unit	U. S. Dollars				
				Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
1.1	<u>Supply and Transport of Main HDPE Pipes PN 16</u> Supply, transport high density polyethylene (HDPE) pipes for Water system including furnishing, transporting, storing, pipe cutting and chamfering, fittings, Tees, Reducers, elbows, adaptors, end plugs, joints (All Types), connections and jointing material necessary to connect polyethylene pipes to existing or proposed pipes, valves, accessories, manholes, wells, reservoirs, pumping stations.... and to fasten to pipe supports complete, as specified and as shown on drawings and Details							
1.1.1	OD 50 mm, PN16 bars.	2650	lm					
1.1.2	OD 63 mm, PN16 bars.	585	lm					
1.1.3	OD 75 mm, PN16 bars.	130	lm					
1.1.4	OD 90 mm, PN16 bars.	130	lm					
1.1.5	OD 125 mm, PN16 bars.	675	lm					

1.1.6	OD 160 mm, PN16 bars.	370	lm					
1.1.7	OD 200 mm, PN16 bars.	620	lm					
1.1.8	OD 250 mm, PN16 bars.	61	lm					
1.2	<p><u>Supply And Transport Of Ductile Iron Pipes (C25)</u> Supply, transport Ductile Iron (DI) pipes for Water system including furnishing, transporting, storing, pipe cutting and chamfering, fittings, Tees, Reducers, elbows, adaptors, end plugs, joints (All Types), short pipes, puddle flanges, double sockets, flanges, bolts, nuts, connections and jointing material necessary to connect DI pipes to existing or proposed pipes, valves, accessories, manholes, wells, reservoirs, pumping stations,... and fasten pipes to pipes supports (clamps, collars, rubber rings, nuts, washers, anchors in concrete..) complete, as specified and as shown on drawings and Details</p>							
1.2.1	DN 300 mm, PN16 bars	600	lm					
1.2.2	DN 400 mm, PN16 bars	50	lm					
1.3	<p><u>Earth Works</u> Surfaces Preparation, Coordination, Studies, Samples, Laboratory Tests, compaction, dewatering, shoring, supporting of excavation, scarifying, Removing, sealing, re-routing existing utilities, if any, as required subject to Engineer consent, Handling, Light and Heavy Equipment, transport to dump yard, All measures ensuring Safety of Excavation, All Categories of Labors Needed to the Good Execution of the Works as Shown on Drawings and Details, Specified and Approved by the Engineer</p>							
1.3.1	<p><u>Asphalt Cutting</u> Site clearance including removal and cart away of asphalt pavement layers, saw cut asphalt to any depth as specified and shown on Drawings and Details (Width Trench as shown in Details)</p>	5400	lm					
1.3.2	<p><u>Excavation Works</u> Cut to the required level in any type of soil (including Rock), sorting out the excavated material for backfilling, transport to damp yard unsuitable excavated material, and stock suitable excavated material to be re-used, haulage, works as per details and drawings, specification and approved by the Engineer and disposal of excess material. Payable Trench Width is limited to the width shown on Details, the Contractor is responsible for any additional excavation that extends the indicated excavation limit</p>							
1.3.2.1	OD 50 mm	2650	lm					
1.3.2.2	OD 63 mm	585	lm					
1.3.2.3	OD 75 mm	130	lm					
1.3.2.4	OD 90 mm	130	lm					
1.3.2.5	OD 125 mm	675	lm					

1.3.2.6	OD 160 mm	370	lm					
1.3.2.7	OD 200 mm	620	lm					
1.3.2.8	OD 250 mm	61	lm					
1.3.2.9	DN 300 mm	600	lm					
1.3.2.10	DN 400 mm	50	lm					
1.3.3	<p><u>Backfilling Works</u> Fill, spread and compact in layers to 95% of maximum dry density, using approved selected backfill and suitable stockpiled excavated material, preparation for filled surfaces to receive permanent work, leveling, ramming, trimming and grading of bottom excavation, material loading and hauling, filling and compacting complying with the specifications and approved by the Engineer. Payable Trench Width is limited to the width shown on Details, the Contractor is responsible for any additional excavation that extends the indicated excavation limit Sand Bedding Surrounding Pipes as shown in Details and Drawings, Specified and Approved by the Engineer</p>							
1.3.3.1	OD 50 mm	2650	lm					
1.3.3.2	OD 63 mm	585	lm					
1.3.3.3	OD 75 mm	130	lm					
1.3.3.4	OD 90 mm	130	lm					
1.3.3.5	OD 125 mm	675	lm					
1.3.3.6	OD 160 mm	370	lm					
1.3.3.7	OD 200 mm	620	lm					
1.3.3.8	OD 250 mm	61	lm					
1.3.3.9	DN 300 mm	600	lm					
1.3.3.10	DN 400 mm	50	lm					
Selected Backfilling Works in Layers Not Exceeding 15cm as shown in Details and drawings, Specified and Approved by the Engineer.								

1.3.3.11	OD 50 mm	2650	lm					
1.3.3.12	OD 63 mm	585	lm					
1.3.3.13	OD 75 mm	130	lm					
1.3.3.14	OD 90 mm	130	lm					
1.3.3.15	OD 125 mm	675	lm					
1.3.3.16	OD 160 mm	370	lm					
1.3.3.17	OD 200 mm	620	lm					
1.3.3.18	OD 250 mm	61	lm					
1.3.3.19	DN 300 mm	600	lm					
1.3.3.20	DN 400 mm	50	lm					

Testing & Commissioning of All pipes in roads, off roads and in special Crossing Areas (Bridges, Watercourses, terraced ground, steep slopes...) as shown in Details and drawings, Specified and Approved by the Engineer

1.3.3.21	OD 50 mm	2650	lm					
1.3.3.22	OD 63 mm	585	lm					
1.3.3.23	OD 75 mm	130	lm					
1.3.3.24	OD 90 mm	130	lm					
1.3.3.25	OD 125 mm	675	lm					
1.3.3.26	OD 160 mm	370	lm					
1.3.3.27	OD 200 mm	620	lm					
1.3.3.28	OD 250 mm	61	lm					
1.3.3.29	DN 300 mm	600	lm					
1.3.3.30	DN 400 mm	50	lm					

Roads works Include Surfaces Preparation, Coordination, Studies, Samples, Laboratory Tests, compaction, watering, scarifying, Handling, Light and Heavy Equipment, Transport to Dump Yards, compacted sub-grade CBR \geq 95%; All Categories of Labors Needed to the Good Execution of the Works as Shown on Drawings and Details, Specified and Approved by the Engineer Payable Asphalt Trench Width is limited to the width shown on Details, the Contractor is responsible for any additional Asphalt Trench Width that extends the indicated Trench Width limit.

1.4 **Reinstatement of Roads – Trenches**

1.4.1	Supply and compact granular base course, 200 mm thick.	5400	lm					
1.4.2	Supply and spray bituminous prime coat	5400	lm					
1.4.3	Provide, spread and compact asphaltic concrete binder course 50 mm thick	5400	lm					
		Total						
1.7	<p><u>Reinforced Concrete Chambers For Gate/Butterfly Valves</u> Installation of Reinforced Concrete Chambers for Gate Valves/Butterfly Valves including Asphalt Cutting, excavation to the requested Level, Dewatering, Shoring, Backfilling, cast iron cover heavy duty, lean concrete, steel reinforcement, formwork cast iron steps, with all fixings and accessories, reinstatement of roads necessary for the good execution of the works as specified and as shown on drawings and Details</p>							
1.7.1	Manholes Type 2 (OD equal to or greater than 90 mm) - Single Valve	3	Nr					
1.7.2	Manholes- Double Valve	10	Nr					
1.7.3	Manholes- Triple Valve	3	Nr					
1.8	<p><u>Directly Buried Gate Valve Pn 16</u> Directly buried gate valves including cast iron cover heavy duty, lean concrete, steel reinforcement, formwork cast iron steps, Asphalt (or concrete) cutting and excavation in all types of soil and locations (easy to access or not) including dewatering, supporting of excavation, traffic regulation, safety provisions and transport of excavated material unsuitable for re-use to the disposal sites, Placing and fixing together all the components of surface box system, Backfilling and surface reinstatement with all fixings and accessories necessary for the good execution of the works as specified and as shown on drawings</p>							
1.8.1	DN 50 mm, PN16 bars	76.00	Nr					
1.8.2	DN 63 mm, PN16 bars	4.00	Nr					
1.8.3	DN 75 mm, PN16 bars	4.00	Nr					

1.9	<u>Supply And Install Of Washouts PN 16</u> Supply and Install Washouts valves including furnishing, transporting, storing installation of tees (one piece or an assembly of multiple pieces), all used fittings and accessories: operating key, flanges, bolts, reducers, installation of a polyethylene or ductile iron pipe of the same diameter as the washout valve and according to the service pressure from the manhole to the nearest watercourse or draining canal (maximum length = 50 m) including asphalt (or concrete) cutting and removal, excavation in all types of soil and locations (easy to access or not) to construct pipe trench, surrounding pipe with sand, backfilling, repaving and pouring concrete if necessary and all components necessary to provide a complete installation as shown on the drawings and as indicated by the Engineer and where needed						
1.9.1	DN 50 mm, PN16 bars	4	Nr				
1.9.2	DN 125 mm, PN16 bars	1	Nr				
1.9.3	DN 200 mm, PN16 bars	4	Nr				
1.9.4	DN 300 mm, PN16 bars	1	Nr				
1.9.5	DN 400 mm, PN16 bars	1	Nr				
1.10	<u>Reinforced Concrete Chambers For Washouts</u> Installation of Reinforced Concrete Chambers for Washouts Valves including Asphalt Cutting, excavation to the requested Level, Dewatering, Shoring, Backfilling, cast iron cover heavy duty, lean concrete, steel reinforcement, formwork cast iron steps, with all fixings and accessories, reinstatement of roads necessary for the good execution of the works as specified and as shown on drawings and Details						
1.10.1	Manholes for Washout Valves	10.00	Nr				
1.11	<u>Supply And Install Of Air Release Valve PN 16</u> Supply and Installation of single air release valves (used for small distribution diameters < DN 250 mm) and double air valves for large distribution diameters > DN 250 mm) including furnishing, transporting, storing, installation of tees, flanges, bolts, dismantling joints, reducers, transition pipes, isolating butterfly valves, step iron, and all components necessary to provide a complete installation as shown on the drawings and as indicated by the Engineer and where needed.						
1.11.1	Single Air Release Valve - DN 50 mm, PN16 bars	12.00	Nr				
1.11.2	Single Air Release Valve - DN 200 mm, PN16 bars	1	Nr				
1.12	<u>Reinforced Concrete Chambers For Air Release Valves</u> Installation of Reinforced Concrete Chambers for Air Release Valves including Asphalt Cutting, excavation to the requested Level, Dewatering, Shoring, Backfilling, cast iron cover heavy duty, lean concrete, steel reinforcement, formwork cast iron steps, with all fixings and accessories, reinstatement of roads necessary for the good execution of the works as specified and as shown on drawings and Details						
1.12.1	Manholes for Air Release Valves	12.00	Nr				

TOTAL
**Lot 3 (Continued): Mandatory Part
POTABLE WATER NETWORK
2- LATERAL HOUSE CONNECTIONS**

Item No.	Description	Quant.	Unit	U. S. Dollars				
				Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
2.1	<u>Lateral House Connections</u> Supply, transport and laying in trenches high density polyethylene (HDPE) pipes PN 16 for shallow House Connections including excavation, backfilling, furnishing, transporting, storing, pipe cutting and chamfering, valves, fittings, Tees, Reducers, elbows, adaptors, end plugs, joints (All Types), connections and jointing material necessary to connect polyethylene pipes to existing or proposed pipes, Reinstatement of Roads complete, as specified and as shown on drawings and Details. Payable Trench Width is limited to the indicated width, the Contractor is responsible for any additional excavation that extends the indicated excavation limit.							
2.1.1	Building/House Connection Including the Following Works: - Asphalt cutting to any depth (Width=40cm) - Supply and Transport of PE Pipe (average of 12m per connection), OD 40mm PN16 for large buildings (schools, commercial centers, etc.. or buildings with more than 8 apartments), OD 32mm PN16 for buildings with 6 to 8 apartments, OD 25mm PN16 for buildings with 5 apartments and less. - Galvanized Steel Box with lock up to 10 apartments, fixed on the wall of the building indoor or outdoor or in chamber underground. - Excavation in any type of soil (Depth=50cm, Width=40cm), Laying, Backfilling and Testing of Pipes In Trenches as specified and as requested by the Engineer - Single Outlet Ferrule in Gun Metal or Twin	650.00	Nbr					



	<p>Outlet for large buildings</p> <ul style="list-style-type: none"> - Supply and compact granular base course, 200 mm thick - Supply and spray bituminous prime coat - Provide, spread and compact asphaltic concrete binder course 50 mm thick. 							
2.2	<p>EXTRA LENGTH OF BUILDING/HOUSE CONNECTION INCLUDING THE FOLLOWING WORKS:</p> <ul style="list-style-type: none"> - Asphalt cutting to any depth (Width=40cm) - Supply and Transport of PE Pipe , OD 40mm PN16 for large buildings (schools, commercial centers, etc.. or buildings with more than 8 apartments), OD 32mm PN16 for buildings with 6 to 8 apartments, OD 25mm PN16 for buildings with 5 apartments and less. - Excavation in any type of soil (Depth=50cm, Width=40cm), Laying, Backfilling and Testing of Pipes In Trenches as specified and as requested by the Engineer - Supply and compact granular base course, 200 mm thick - Supply and spray bituminous prime coat - Provide, spread and compact asphaltic concrete binder course 50 mm thick. 	3200	lm					
	<p>Smart Water Meter for household, Including the following:</p> <ul style="list-style-type: none"> - Stop Valve, PN 16 bars - End Cap, PN16 bars - All necessary fittings and accessories <p>As specified and as shown on drawings and Details and Approved by the Engineer.</p>	300	Nr					

2.3	Electromagnetic Water Meter for district branches, PN 16, Including the following:						
	- Concrete chamber with cover - All necessary fittings and accessories As specified and as shown on drawings and Details and Approved by the Engineer						
2.3.1	DN 50 mm, PN16 bars	1	Nr				
2.3.2	DN 75 mm, PN16 bars	1	Nr				
2.3.3	DN 90 mm, PN16 bars	1	Nr				
2.3.4	DN 200 mm, PN16 bars	2	Nr				
2.3.5	DN 300 mm, PN16 bars	1	Nr				
			Total				

Lot 4: Optional Part
POTABLE WATER NETWORK
1- REINSTATEMENT OF ROADS (PIPES TRENCHES,)

Item No.	Description	Quant.	Unit	U. S. Dollars				
				Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
	Roads works Include Surfaces Preparation, Coordination, Studies, Samples, Laboratory Tests, compaction, watering, scarifying, Handling, Light and Heavy Equipment, Transport to Dump Yards, compacted sub-grade CBR≥95%; All Categories of Labors Needed to the Good Execution of the Works as Shown on Drawings and Details, Specified and Approved by the Engineer Payable Asphalt Trench Width is limited to the width shown on Details, the Contractor is responsible for any additional Asphalt Trench Width that extends the indicated Trench Width limit.							
1.1	Reinstatement of Roads – Trenches							

1.1.1	Supply and compact granular base course, 200 mm thick.	500.0	lm					
1.1.2	Supply and spray bituminous prime coat	400.0	lm					
1.1.3	Supply and spray bituminous tack coat	100	lm					
1.1.4	Provide, spread and compact asphaltic concrete binder course 50 mm thick	500.0	lm					
1.1.5	Provide, spread and compact asphaltic concrete wearing course 50 mm thick	500.0	lm					
				Total				

2- WATER SUPPLY

Item No.	Description	Quant.	Unit	U. S. Dollars				
				Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
2.1	<u>Supply and Transport of Main HDPE Pipes</u> <u>PN 16</u> Supply, transport high density polyethylene (HDPE) pipes for Water system including furnishing, transporting, storing, pipe cutting and chamfering, fittings, Tees, Reducers, elbows, adaptors, end plugs, joints (All Types), connections and jointing material necessary to connect polyethylene pipes to existing or proposed pipes, valves, accessories, manholes, wells, reservoirs, pumping stations.... and to fasten to pipe supports complete, as specified and as shown on drawings and Details							
2.1.1	OD 50 mm, PN16 bars.	230.00	lm					
2.1.2	OD 160 mm, PN16 bars.	200.00	lm					
2.1.3	OD 200 mm, PN16 bars.	70.00	lm					

2.2	Earth Works Surfaces Preparation, Coordination, Studies, Samples, Laboratory Tests, compaction, dewatering, shoring, supporting of excavation, scarifying, Removing, sealing, re-routing existing utilities, if any, as required subject to Engineer consent, Handling, Light and Heavy Equipment, transport to dump yard, all measures ensuring Safety of Excavation, All Categories of Labors Needed to the Good Execution of the Works as Shown on Drawings and Details, Specified and Approved by the Engineer							
2.2.1	Asphalt Cutting Site clearance including removal and cart away of asphalt pavement layers, saw cut asphalt to any depth as specified and shown on Drawings and Details (Width Trench as shown in Details)	500.00	lm					
2.2.2	Excavation Works Cut to the required level in any type of soil (including Rock), sorting out the excavated material for backfilling, transport to damp yard unsuitable excavated material, and stock suitable excavated material to be re-used, haulage, works as per details and drawings, specification and approved by the Engineer and disposal of excess material. Payable Trench Width is limited to the width shown on Details, the Contractor is responsible for any additional excavation that extends the indicated excavation limit							
2.2.2.1	OD 50 mm	230.00	lm					
2.3.2.2	OD 160 mm	200.00	lm					
2.3.2.3	OD 200 mm	70.00	lm					
2.4.3	Backfilling Works Fill, spread and compact in layers to 95% of maximum dry density, using approved selected backfill and suitable stockpiled excavated material, preparation for filled surfaces to receive permanent work, leveling, ramming, trimming and grading of bottom excavation, material loading and hauling, filling and compacting complying with the specifications and approved by the Engineer. Payable Trench Width is limited to the width shown on Details, the Contractor is responsible for any additional excavation that extends the indicated excavation limit Sand Bedding Surrounding Pipes as shown in Details and Drawings, Specified and Approved by the Engineer							
2.4.3.1	OD 50 mm	230.00	lm					

2.4.3.2	OD 160 mm	200.00	lm				
2.4.3.3	OD 200 mm	70.00	lm				
Selected Backfilling Works in Layers Not Exceeding 15cm as shown in Details and drawings, Specified and Approved by the Engineer.							
2.4.3.4	OD 50 mm	230.00	lm				
2.4.3.5	OD 160 mm	200.00	lm				
2.4.3.6	OD 200 mm	70.00	lm				
Testing & Commissioning of All pipes in roads, off roads and in special Crossing Areas (Bridges, Watercourses, terraced ground, steep slopes...) as shown in Details and drawings, Specified and Approved by the Engineer							
2.4.3.6	OD 50 mm	230.00	lm				
2.4.3.7	OD 160 mm	200.00	lm				
2.4.3.8	OD 200 mm	70.00	lm				
2.4	Supply And Install of Gate Valve PN 16 Supply and Install Gate valves including furnishing, transporting, storing, installation of tees, all used fittings and accessories, and all components necessary to provide a complete installation as shown on the drawings and as indicated by the Engineer and where needed						
2.4.1	DN 160 mm, PN16 bars	1	Nr				
2.4.2	DN 200 mm, PN16 bars	1	Nr				
2.6	Reinforced Concrete Chambers For Gate/Butterfly Valves Installation of Reinforced Concrete Chambers for Gate Valves/Butterfly Valves including Asphalt Cutting, excavation to the requested Level, Dewatering, Shoring, Backfilling, cast iron cover heavy duty, lean concrete, steel reinforcement, formwork cast iron steps, with all fixings and accessories, reinstatement of roads necessary for the good execution of the works as specified and as shown on drawings and Details						
2.6.1	Manholes-Double Valve	1.00	Nr				

2.7	Directly Buried Gate Valve Pn 16							
	Directly buried gate valves including cast iron cover heavy duty, lean concrete, steel reinforcement, formwork cast iron steps, Asphalt (or concrete) cutting and excavation in all types of soil and locations (easy to access or not) including dewatering, supporting of excavation, traffic regulation, safety provisions and transport of excavated material unsuitable for re-use to the disposal sites, Placing and fixing together all the components of surface box system, Backfilling and surface reinstatement with all fixings and accessories necessary for the good execution of the works as specified and as shown on drawings							
2.7.1	DN 50 mm, PN16 bars	8.00	Nr					
TOTAL								
3- LATERAL HOUSE CONNECTIONS								
Item No.	Description	Quant.	Unit	Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
3.1	Lateral House Connections Supply, transport and laying in trenches high density polyethylene (HDPE) pipes PN 16 for shallow House Connections including excavation, backfilling, furnishing, transporting, storing, pipe cutting and chamfering, valves, fittings, Tees, Reducers, elbows, adaptors, end plugs, joints (All Types), connections and jointing material necessary to connect polyethylene pipes to existing or proposed pipes, Reinstatement of Roads complete, as specified and as shown on drawings and Details. Payable Trench Width is limited to the indicated width, the Contractor is responsible for any additional excavation that extends the indicated excavation limit.							



3.1.2	<p>Building/House Connection Including the Following Works:</p> <ul style="list-style-type: none"> - Asphalt cutting to any depth (Width=40cm) - Supply and Transport of PE Pipe (average of 12m per connection), OD 40mm PN16 for large buildings (schools, commercial centers, etc.. or buildings with more than 8 apartments), OD 32mm PN16 for buildings with 6 to 8 apartments, OD 25mm PN16 for buildings with 5 apartments and less. - Galvanized Steel Box with lock up to 10 apartments, fixed on the wall of the building indoor or outdoor or in chamber underground. - Excavation in any type of soil (Depth=50cm, Width=40cm), Laying, Backfilling and Testing of Pipes In Trenches as specified and as requested by the Engineer - Single Outlet Ferrule in Gun Metal or Twin Outlet for large buildings - Supply and compact granular base course, 200 mm thick - Supply and spray bituminous prime coat - Provide, spread and compact asphaltic concrete binder course 50 mm thick. 	56	Nr					
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3.2	<ul style="list-style-type: none"> - Asphalt cutting to any depth (Width=40cm) - Supply and Transport of PE Pipe , OD 40mm PN16 for large buildings (schools, commercial centers, etc.. or buildings with more than 8 apartments), OD 32mm PN16 for buildings with 6 to 8 apartments, OD 25mm PN16 for buildings with 5 apartments and less. - Excavation in any type of soil (Depth=50cm, Width=40cm), Laying, Backfilling and Testing of Pipes In Trenches as specified and as requested by the Engineer - Supply and compact granular base course, 200 mm thick - Supply and spray bituminous prime coat - Provide, spread and compact asphaltic concrete binder course 50 mm thick. 	280	lm					
3.4	Electromagnetic Water Meter for district branches, PN 16, Including the following: <ul style="list-style-type: none"> - Concrete chamber with cover - All necessary fittings and accessories As specified and as shown on drawings and Details and Approved by the Engineer							
3.4.1	DN 160 mm, PN16 bars	1	Nr					
Total								
LOT 5 OPTIONAL POTABLE WATER NETWORK 1- REINSTATEMENT OF ROADS (PIPES TRENCHES,)								
Item No.	Description	Quant.	Unit	U. S. Dollars		Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
				Country of ORIGIN	Unit price for material supplied excluding VAT			



	<p>Roads works Include Surfaces Preparation, Coordination, Studies, Samples, Laboratory Tests, compaction, watering, scarifying, Handling, Light and Heavy Equipment, Transport to Dump Yards, compacted sub-grade CBR≥95%; All Categories of Labors Needed to the Good Execution of the Works as Shown on Drawings and Details, Specified and Approved by the Engineer Payable Asphalt Trench Width is limited to the width shown on Details, the Contractor is responsible for any additional Asphalt Trench Width that extends the indicated Trench Width limit.</p>							
1.1	Reinstatement of Roads – Trenches							
1.1.1	Supply and compact granular base course, 200 mm thick.	715.0	lm					
1.1.2	Supply and spray bituminous prime coat	550.0	lm					
1.1.3	Supply and spray bituminous tack coat	165.0	lm					
1.1.4	Provide, spread and compact asphaltic concrete binder course 50 mm thick	715.0	lm					
1.1.5	Provide, spread and compact asphaltic concrete wearing course 50 mm thick	715.0	lm					
		Total						
2- WATER SUPPLY								
Item No.	Description	Quant.	Unit	U. S. Dollars				
				Country of ORIGIN	Unit price for material supplied excluding VAT	Unit price for Labor cost of installation of material Excluding VAT	Unit price excluding VAT (Supply & Install)	Total price excluding VAT
2.1	<p>Supply and Transport of Main HDPE Pipes PN 16 Supply, transport high density polyethylene (HDPE) pipes for Water system including furnishing, transporting, storing, pipe cutting and chamfering, fittings, Tees, Reducers, elbows, adaptors, end plugs, joints (All Types), connections and jointing material necessary to connect polyethylene pipes to existing or proposed pipes, valves, accessories, manholes, wells, reservoirs, pumping stations.... and to fasten to pipe supports complete, as specified and as shown on drawings and Details</p>							
2.1.1	OD 50 mm, PN16 bars.	475.00	lm					
2.1.2	OD 160 mm, PN16 bars.	100.00	lm					
2.1.3	OD 200 mm, PN16 bars.	140.00	lm					



2.3	<p>Earth Works Surfaces Preparation, Coordination, Studies, Samples, Laboratory Tests, compaction, dewatering, shoring, supporting of excavation, scarifying, Removing, sealing, re-routing existing utilities, if any, as required subject to Engineer consent, Handling, Light and Heavy Equipment, transport to dump yard, all measures ensuring Safety of Excavation, All Categories of Labors Needed to the Good Execution of the Works as Shown on Drawings and Details, Specified and Approved by the Engineer</p>							
2.3.1	<p>Asphalt Cutting Site clearance including removal and cart away of asphalt pavement layers, saw cut asphalt to any depth as specified and shown on Drawings and Details (Width Trench as shown in Details)</p>	715.00	lm					
2.3.2	<p>Excavation Works Cut to the required level in any type of soil (including Rock), sorting out the excavated material for backfilling, transport to damp yard unsuitable excavated material, and stock suitable excavated material to be re-used, haulage, works as per details and drawings, specification and approved by the Engineer and disposal of excess material. Payable Trench Width is limited to the width shown on Details, the Contractor is responsible for any additional excavation that extends the indicated excavation limit</p>							
2.3.2.1	OD 50 mm	475.00	lm					
2.3.2.6	OD 160 mm	100.00	lm					
2.3.2.7	OD 200 mm	140.00	lm					
2.3.3	<p>Backfilling Works Fill, spread and compact in layers to 95% of maximum dry density, using approved selected backfill and suitable stockpiled excavated material, preparation for filled surfaces to receive permanent work, leveling, ramming, trimming and grading of bottom excavation, material loading and hauling, filling and compacting complying with the specifications and approved by the Engineer. Payable Trench Width is limited to the width shown on Details, the Contractor is responsible for any additional excavation that extends the indicated excavation limit</p> <p>Sand Bedding Surrounding Pipes as shown in Details and Drawings, Specified and Approved by the Engineer</p>							

2.3.3.1	OD 50 mm	475.00	lm					
2.3.3.2	OD 160 mm	100.00	lm					
2.3.3.3	OD 200 mm	140.00	lm					
	Selected Backfilling Works in Layers Not Exceeding 15cm as shown in Details and drawings, Specified and Approved by the Engineer.							
2.3.3.4	OD 50 mm	475.00	lm					
2.3.3.5	OD 160 mm	100.00	lm					
2.3.3.6	OD 200 mm	140.00	lm					
	Testing & Commissioning of All pipes in roads, off roads and in special Crossing Areas (Bridges, Watercourses, terraced ground, steep slopes...) as shown in Details and drawings, Specified and Approved by the Engineer							
2.3.3.7	OD 50 mm	475.00	lm					
2.3.3.8	OD 160 mm	100.00	lm					
2.3.3.9	OD 200 mm	140.00	lm					
2.4	<u>Supply And Install of Gate Valve PN 16</u> Supply and Install Gate valves including furnishing, transporting, storing, installation of tees, all used fittings and accessories, and all components necessary to provide a complete installation as shown on the drawings and as indicated by the Engineer and where needed							
2.4.1	DN 160 mm, PN16 bars	1	Nr					
2.6	<u>Reinforced Concrete Chambers For Gate/Butterfly Valves</u> Installation of Reinforced Concrete Chambers for Gate Valves/Butterfly Valves including Asphalt Cutting, excavation to the requested Level, Dewatering, Shoring, Backfilling, cast iron cover heavy duty, lean concrete, steel reinforcement, formwork cast iron steps, with all fixings and accessories, reinstatement of roads necessary for the good execution of the works as specified and as shown on drawings and Details							



2.6.1	Manholes Type 2 (OD equal to or greater than 90 mm) - Single Valve	1.00	Nr					
2.7	<p>Directly Buried Gate Valve Pn 16 Directly buried gate valves including cast iron cover heavy duty, lean concrete, steel reinforcement, formwork cast iron steps, Asphalt (or concrete) cutting and excavation in all types of soil and locations (easy to access or not) including dewatering, supporting of excavation, traffic regulation, safety provisions and transport of excavated material unsuitable for re-use to the disposal sites, Placing and fixing together all the components of surface box system, Backfilling and surface reinstatement with all fixings and accessories necessary for the good execution of the works as specified and as shown on drawings</p>							
2.7.1	DN 50 mm, PN16 bars	7.00	Nr					

3- LATERAL HOUSE CONNECTIONS FOR THE POTABLE WATER NETWORK

3.1	<p>Lateral House Connections Supply, transport and laying in trenches high density polyethylene (HDPE) pipes PN 16 for shallow House Connections including excavation, backfilling, furnishing, transporting, storing, pipe cutting and chamfering, valves, fittings, Tees, Reducers, elbows, adaptors, end plugs, joints (All Types), connections and jointing material necessary to connect polyethylene pipes to existing or proposed pipes, Reinstatement of Roads complete, as specified and as shown on drawings and Details. Payable Trench Width is limited to the indicated width, the Contractor is responsible for any additional excavation that extends the indicated excavation limit.</p>							
3.1.1	<p>Building/House Connection Including the Following Works:</p> <ul style="list-style-type: none"> - Asphalt cutting to any depth (Width=40cm) - Supply and Transport of PE Pipe (average of 12m per connection), OD 40mm PN16 for large buildings (schools, commercial centers, etc.. or buildings with more than 8 apartments), OD 32mm PN16 for buildings with 6 to 8 apartments, OD 25mm PN16 for buildings with 5 apartments and less. - Galvanized Steel Box with lock up to 10 apartments, fixed on the wall of the building indoor or outdoor or in chamber underground. - Excavation in any type of soil (Depth=50cm, Width=40cm), Laying, 	67	NR					



	<p>Backfilling and Testing of Pipes In Trenches as specified and as requested by the Engineer</p> <ul style="list-style-type: none"> - Single Outlet Ferrule in Gun Metal or Twin <p>Outlet for large buildings</p> <ul style="list-style-type: none"> - Supply and compact granular base course, 200 mm thick - Supply and spray bituminous prime coat - Provide, spread and compact asphaltic concrete binder course 50 mm thick. 						
3.2	<p>EXTRA LENGTH OF BUILDING/HOUSE CONNECTION INCLUDING THE FOLLOWING WORKS:</p> <ul style="list-style-type: none"> - Asphalt cutting to any depth (Width=40cm) - Supply and Transport of PE Pipe , OD 40mm PN16 for large buildings (schools, commercial centers, etc.. or buildings with more than 8 apartments), OD 32mm PN16 for buildings with 6 to 8 apartments, OD 25mm PN16 for buildings with 5 apartments and less. - Excavation in any type of soil (Depth=50cm, Width=40cm), Laying, Backfilling and Testing of Pipes In Trenches as specified and as requested by the Engineer - Supply and compact granular base course, 200 mm thick - Supply and spray bituminous prime coat - Provide, spread and compact asphaltic concrete binder course 50 mm thick. 	330	lm				
3.3	<p>Smart Water Meter for household, Including the following:</p> <ul style="list-style-type: none"> - Stop Valve, PN 16 bars 	67	Nr				



	- End Cap, PN16 bars - All necessary fittings and accessories As specified and as shown on drawings and Details and Approved by the Engineer.						
3.4	Electromagnetic Water Meter for district branches, PN 16, Including the following: - Concrete chamber with cover - All necessary fittings and accessories As specified and as shown on drawings and Details and Approved by the Engineer	1	Nr				
3.4.1	DN 160 mm, PN16 bars	1	Nr				
3.4.1	DN 160 mm, PN16 bars	1	Nr				
TOTAL							

BIDDER'S COMMENTS/REMARKS:

1. _____
2. _____

BIDDER'S TERMS AND CONDITIONS:

1. Valid of the offer: _____ (Recommended: 12 months or more)
2. Terms of delivery: **DDP** Beirut suburb, LEBANON
3. Payment terms: _____

Name of Bidder's Authorized Representative: _____

Authorized signature and stamp: _____

Date: _____

END OF OFFER FORM

- Annex -

- Kindly refer to the drawings for more information
- Kindly refer to the technical and general specifications for more information

PS: the documents needed can be collected free of charge by requesting them through e-mail to lebanon.tender@acted.org CC tender@acted.org

Evaluation table :

The maximum score that can be awarded for each criterion is indicated below.

○ **A. Technical Evaluation = 60points**

	Criteria	General terms
1	Experience	The contractor will be required to demonstrate completed work similar to the works being tendered.
2	Timetable	The contractor will need to submit a timeline for the works
3	Company Capacity	The Contractor will need to submit all documents showing the capacity of the company

○ **B. Financial Evaluation = 40 points**

	Criteria
1	Financial Offer



BIDDER'S CHECK LIST – ACTED **LEBANON**

Date: _____

Tender Ref.: **T/11EKA/D65AON-D65AOU/BRT/PRG/28-12-2021/001**

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					
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 excluding VAT (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. PRO-06-03 Version (BIDDER'S CHECK LIST) is attached, filled, signed and stamped by the supplier (compulsory)					
8. PRO-09.01 General conditions for purchase (compulsory)					
9. The Bidding documents are filled in English. (compulsory)					
9. ANNEXES – Proofs of past performances in a similar field of activity (e.g. past deliveries of similar items) (Recommended)					
10. ANNEXES – A Copy of Company registration documents and license are included and the ID of the legal representative of the company (compulsory)					
11. ANNEXES – Coloured catalogues and pictures (or technical data sheets) of item(s) are included (Compulsory)					
12. Bank Guarantee (Compulsory)					

Name & Position of Bidder's authorized representative _____

Authorized signature & Stamp _____