



**REQUEST FOR QUOTATION (RFQ)
(Works)**

DESCRIPTION: Rehabilitation of Sewer Lines on Tripoli-Benghazi Road and Al Net Road, Ajdabia, Libya	DATE: April 17, 2018
	REFERENCE: RFQ/LBY/SLCRR/2018/017

Dear Sir / Madam:

We kindly request you to submit your quotation for the following works, as detailed in Annex 1 of this RFQ.

Quotations may be submitted on or before **04 May 2018, 14.00 hours** Tunis, Tunisia time, ref. www.greenwichmeantime.com, and via email/hand delivered to the address below:

United Nations Development Programme
Libya Country Office
Rue du Lac Windermere, Les Berges du Lac, 1053 Tunis, Tunisia
tenders.ly@undp.org

An organized site visit is arranged on 23 April 2018 at 11:00 hrs (Libya Time).

Focal Person(s): Eng. Walid Mughrabi, Field Engineer and Mohamed Shembesh, Regional Project Coordinator
Phone number: + 218 92 530 2129 and + 218 911011012

Quotations submitted by email must be limited to a maximum of 5MB, transmissions. They must be free from any form of virus or corrupted contents, or the quotations shall be rejected.

It shall remain your responsibility to ensure that your quotation will reach the address above on or before the deadline. Quotations that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If you are submitting your quotation by email, kindly ensure that they are signed and in the .pdf format, and free from any virus or corrupted files.

Please take note of the following requirements and conditions pertaining to the supply of the abovementioned works:

Place of contract	Ajdabia, Benghazi, Libya
Preferred Currency of Quotation	United States Dollars (US\$)
Site visit	An organized site visit is arranged on 23 April 2018 at 11:00 hrs (Libya Time). Focal Person(s): Eng. Walid Mughrabi, Field Engineer and Mohamed Shembesh, Regional Project Coordinator Phone number: + 218 92 530 2129 and + 218 911011012
Period of Validity of Quotes	<u>90 days - commencing on the submission date</u> In exceptional circumstances, UNDP may request the Offeror to extend the validity of the Quotation beyond what has been initially indicated in this RFQ. The Offeror shall then confirm the extension in writing, without any modification whatsoever on the Quotation.

Advanced Payment upon signing of contract	Except when the interests of UNDP so require, it is the UNDP's preference to make no advanced payment(s) on contracts (i.e., payments without having received any outputs). In the event that the Bidder requires an advanced payment upon contract signature, and if such request is duly accepted by UNDP, and the said advanced payment exceeds 20% of the total Bid price, or exceed the amount of USD 30,000.00 UNDP shall require the Bidder to submit a Bank Guarantee in the same amount as the advanced payment.
Liquidated Damages	Will be imposed under the following conditions: Percentage of contract price per day of delay:0.1% per calendar day Max. limit of delay in :10%
Quotation shall include the following:	<p>a. <u>Cover Letter</u>: A cover letter that lists the lead contact person with contact information, confirmation of acceptance to the General Terms & Conditions for Civil Works (signed/stamped)</p> <p>b. <u>General Information</u>: Include a description of the firm/company's history and experience to demonstrate that the firm/company has the capacity to undertake the works.</p> <p>c. <u>Business Licenses</u>: Provide a statement warranting that all state, and local registrations, licenses, and permits required for the operation of business conducted by the firm/company are current.</p> <p>d. <u>Experience</u>: List and value of similar projects performed in past, plus client's contact details who may be contacted for further information on those contracts.</p> <p>A minimum number of similar 2 contracts implemented in past. <u>Copies of contracts and completion certificates (handover of work) to be provided.</u></p> <p>e. <u>Project Schedule</u>: An outline of the firm/company's proposed timeline reflecting start and completion dates of works including:</p> <p>f. List of proposed personnel with CV's showing relevant experience and qualification.</p> <p>g. Signed/stamped Annex 2 (<u>FORM FOR SUBMITTING SUPPLIER'S QUOTATION</u>) and Annex 2A (<u>BILL OF QUANTITIES</u>)</p>
Evaluation method to be used in selecting the most responsive Bid	Lowest priced offer of technically qualified/responsive quotation

Evaluation Criteria	<p>1. Minimum no. of years of experience in construction works: 3 (three)</p> <p>2. Capacity to undertake construction works, including previous experience with same type of works, availability of equipment and materials.</p> <p>3. The company should have completed at least two similar contracts with the contract value of USD 50,000.00 for each contract. Copies of contracts and/or completion certificates (handover of work) to be provided.</p> <p>4. Qualifications and suitability of the key personnel proposed for the contract including their previous experience with same type of assignment:</p> <ul style="list-style-type: none"> • Civil Engineer - shall have a Degree in Civil engineering and minimum of 5 years of experience of work. • Electrical engineer - with a diploma and minimum of 3 years of experience of work of an equivalent nature. • Plumber with a minimum of 3 years of experience of work of an equivalent nature). <p>5. Submission of Implementation Timeline/Meeting the works completion deadline of <u>60</u> days or shorter.</p> <p>6. Acceptance of General Terms & Conditions for Civil Works.</p>
Maximum Expected duration of contract	The successful vendor shall complete the works within 60 days from the award of contract. Offeror's technical approach shall fully comply with the specifications, drawings and BOQ.
All documentations, including catalogs, instructions and operating manuals, shall be in this language	<p><u>English</u></p> <p>Documents provided in other languages must be translated into English</p>
Deadline for the Submission of Quotation	On or before 04 May 2018, 14.00 hours Tunis, Tunisia time, ref. www.greenwichmeantime.com
Partial Quotes	Not permitted
UNDP will award to	One and only one Vendor
Type of Contract to be Signed	Contract for works
Conditions for Release of Payment	Submission of invoice and acceptance/certification by UNDP Engineer

Annexes to this RFQ	<p>Scope of Works (Annex 1)</p> <p>Form for Submission of Quotation including the BOQ (Annex 2)</p> <p>Specifications (Annex 3)</p> <p>General Terms and Conditions for Civil Works (Annex 4).</p> <p>Non-acceptance of the terms of the General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process.</p>
Request for clarification	<p>Offerors requesting clarification of any of the items, technical requirements or conditions stipulated in this RFQ shall communicate in writing with UNDP office to procurement.ly@undp.org stating the RFQ reference number: RFQ/LBY/SLCRR/2018/017</p> <p>All the enquiries should be made five days prior to deadline. Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the offerors.</p>

The quotation that complies with all of the specifications, requirements and offers the lowest price, as well as all other evaluation criteria indicated, shall be selected. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price (obtained by multiplying the unit price and quantity) shall be re-computed by UNDP. The unit price shall prevail and the total price shall be corrected. If the supplier does not accept the final price based on UNDP's re-computation and correction of errors, its quotation will be rejected.

At any time during the validity of the quotation, no price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by UNDP after it has received the quotation. At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty-five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

Any Contract/Purchase Order that will be issued as a result of this RFQ shall be subject to the General Terms and Conditions attached hereto. The mere act of submission of a quotation implies that the vendor accepts without question the General Terms and Conditions of UNDP herein attached as Annex 4.

UNDP is not bound to accept any quotation, nor award a Contract/Purchase Order, nor be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.

Please be advised that UNDP's vendor protest procedure is intended to afford an opportunity to appeal for persons or firms not awarded a purchase order or contract in a competitive procurement process.

In the event that you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link:

<http://www.undp.org/content/undp/en/home/operations/procurement/protestandsanctions/>

UNDP encourages every prospective Vendor to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ.

UNDP implements a zero tolerance on fraud and other proscribed practices, and is committed to identifying and addressing all such acts and practices against UNDP, as well as third parties involved in UNDP activities. UNDP expects its suppliers to adhere to the UN Supplier Code of Conduct found in this link: http://www.un.org/depts/ptd/pdf/conduct_english.pdf

Thank you and we look forward to receiving your quotation.

Yours sincerely,

A handwritten signature in blue ink, appearing to read 'E. Basha'.

Ermira Basha,
Operations Manager
UNDP Libya

Scope of Works

Rehabilitation of Sewer Lines on Tripoli-Benghazi Road and Al Net Road, Ajdabia, Libya

1. Introduction:

This project title is Replacement of Defected Sewer Lines in Ajdabia City.

- a. Replacement of Sewer Line of Tripoli-Benghazi Road in Ajdabia, Libya
- b. Replacement of Sewer Line of Al Net Road in Ajdabia, Libya

2. Background:

Due to the fact that Ajdabia sewer line network has been designed and built in mid-eighties of the previous century and due to the rapid increase of the population in the city, there are so many lines that suffers from severe clogging and broken portions which leads to flooding of sewage water from the closest manhole backwards the flow line. This sewage water flooding leads accommodation sewerage water including the sludge on the streets' surface which is a healthy and environmental hazard.

The targeted sewer lines are two lines, the first line, 200 mm diameter, intersects with the main street, King Idris Road, and luckily the we are targeting the beginning of the line in terms of the need to less vacuum work however, the road need to be 75-80 % blocked during the construction period and as a result, we'll be having a traffic issue which makes it very essential to get the work done as soon as possible. One more challenge is the 600 mm Great Man Made River water line and Fiber optic line that runs over the targeted line. This would lead us to excavate manually to avoid harming the service lines of water, electrical and telecommunication.

The second line, 200 mm diameter, lays in the service road parallel to Benghazi- Tripoli highway. The line serves around 200 houses and usually gets blocked twice a week with visible leakages unless the municipality vacuum truck intervenes. There is no data on the buried service lines beneath that road which is a challenge however; working on this line is much easier comparing to the first one from a traffic point of view

Approximate location of the two lines are (30° 45' 29.8152" N and 20° 13' 20.3304" E) and (30° 45' 20.8656" N and 20° 12' 49.7664" E) respectively.

Aerial Photo for Ajdabia City:



3. Required works:

Both Sewer lines located under existing asphalt road, to replace mentioned Pipes the asphalt need to be cut and the area need to be excavated to reach the targeted sewer lines. Following the excavation and dismantling of the old line works, trench bed need to be adjusted and leveled to receive the new HDPE pipe with the same diameter (200 mm), concrete surrounding need to be executed on both ends of the line (entrance to manhole), the newly installed pipe need to be sand-bedded with clear sand and backfilled with sand up to 300 mm above its crown. Following that, backfilling with selected material and very good compaction need to be done on layers not exceeding 300 mm to reach the road sub-grade level. Work need to be continued to execute the sub-grade and sub-base layers of the road and re-asphalting works.

Below are the important and summary of the required works, for more detail refer to BOQ, the work shall include but not limited to the following:-

- A – Asphalt Cutting
- B - Excavation
- C- Dismantling of existing pipe
- D- Trench bottom adjustment
- E – New pipe installation and bedding
- F- Testing
- G -Backfilling
- H- Re-asphalting works

The offeror shall make his own inquiries and satisfy himself that the position, size, shape, method of works, color and usage of temporary buildings and facilities is compatible with all local and national requirements and laws.

All temporary buildings and work areas such as site offices, workshops, and stores shall be constructed only in positions approved by the Client.

Excluding any approval given by the Client to the sitting of any temporary building or facility, responsibility for complying with local and national laws remains with the Contractor.

The contractor shall coordinate with the relevant Authorities during the execution of the works and shall comply with the applicable Regulations and Standards including site specific risk assessment and traffic management plan for the worksite.

The Contractor should provide warning signs and advisory speed signs to inform drivers of the nature of a hazard they are approaching. Ensure that appropriate temporary traffic management is in place. This include, temporary road or lane closures, speed restrictions, etc.



Annex 2

FORM FOR SUBMITTING SUPPLIER'S QUOTATION

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to perform the works as per the summary provided below and attached priced BoQ in conformity with the specification and requirements of UNDP as per RFQ Reference No. **RFQ/LBY/SLCRR/2018/017 - Rehabilitation of Sewer Lines on Tripoli-Benghazi Road and Al Net Road, Ajdabia, Libya.**

Description:	Total (US\$)
Subtotal Works Tripoli-Benghazi Road	
Subtotal Works Al Net Road	
Grand Total	

Currency: United States Dollars

All other information that we have not provided automatically implies our full compliance with the requirements, terms and conditions of the RFQ.

Company Name: _____

Contact Person: _____

Position: _____

Email: _____

Mobile Number: _____

Address: _____

Authorised Signature: _____ Date: _____

BILL OF QUANTITIES

Rehabilitation of Sewer Lines on Tripoli-Benghazi Road and Al Net Road, Ajdabia, Libya

RFQ Reference No. RFQ/LBY/SLCRR/2018/017

1. Rehabilitation of Sewer Lines on Tripoli-Benghazi Road

No	Item Description	Unit	Quantity	Unit Rate in USD	Total amount in USD
1	Mechanical cutting of existing asphalt on both sides along the trench for laying pipes, the width of the trench shall be 60 cm or greater, mechanical and hand breaking of asphalt to pieces of average thickness d=15 cm or more including loading and transport of asphalt to the city landfill and all necessary laboratorial and costs for the execution of this item.	Lin.M	55		
2	Excavation in moderate soil. Excavation shall be carried out to reach the existing sewer line that need to be replaced or up to the level approved by the Supervision. Excavation shall be done mechanically, except where the route intersects with underground installations where excavation will be done manually and pipes/cables should be supported and protected. During excavation of trenches deeper than 1.0m, trenches shall be immediately supported by shores to enable smooth and safe excavation. During excavation works, earth shall be loaded to a truck or temporarily stored by the edge of the trench, at least 2.0m from the edge of the trench. The item includes all costs relating to trench excavation.	Lin.M	55		
3	Incentive for trench excavation to a depth greater than 2 m and not exceeding 3 m, the trench width should be at least 60 cm and the work includes backfilling and re-asphalting.	Lin.M	55		
4	Incentive for trench excavation to a depth greater than 3 m and not exceeding 4 m, the trench width should be at least 60 cm and the work includes backfilling and re-asphalting.	Lin.M	55		
5	Incentive for trench excavation below ground level. The item includes dewatering of the accumulated water outside the trench as per applicable standards and supervision instructions	LS	1		

6	Dismantling and removal existing sewer line with diameter of 300 mm and less. The work includes demolition of any concrete surrounding and transportation of rubbish material to approved dump area as per supervision instructions	Lin.M	55		
7	The item includes any adjustments to trench bottom (excavation and backfilling) to obtain the required grade. Trench bottom shall be thoroughly graded according to elevations and grades provided in the design (+/- 1cm) and subsoil compaction by plate vibrator until achieving the required compactness, min. 15Mpa. If required compactness cannot be achieved in some areas, sandy-gravel material shall be added. Calculation per m2 of graded and compacted surface of the trench bottom	SQ.M	40		
8	Supply, install and backfill 200 mm polyethylene pipes Class B, 10 Bar according to specifications and applicable standards. The work includes bedding with clean sand layer of 10 cm below the pipe invert and 30 cm above the pipe crown including compaction	Lin.M	55		
9	After certain sections of the pipeline are installed, the pipeline and inspection chambers shall be checked for waterproofing, with the obligatory presence of the Supervision, and under the terms of utility company and the applicable regulations for this type of work (pressure head). Any defects shall be remedied before trench backfilling. Calculation per meter of constructed pipeline route.	Lin.M	55		
10	Supply and backfill the trench in layers. The backfill material should be approved by the supervision, compacted and simultaneous extraction of trench shoring, wherein the layer thickness during compaction must match the type of material and the used compaction machine. Backfilling is done down to lower elevation of subgrade of road. Compaction shall be performed until reaching the required compaction, and it shall be checked for each layer at a distance between two adjacent sewer manholes. Below roads compaction should be 100% of the maximum laboratory compaction by standard "Proctor" procedure or compressibility modulus $M_e = 2.5 \text{ kN/cm}^2$. Calculation per m3 of placed material in a compacted state.	CU.M	60		

11	The item includes supply of all required materials including rebar, accessories and labor necessary for complete and prescribed execution of concrete surrounding around the pipe next to the manholes: setting up and dismantling of necessary formwork, straightening, cutting, bending and tying of rebar, mixing and pouring of concrete C15 and all necessary to complete the work as per supervision instructions. Number of concrete surrounding that need to be executed is two sections	LS	1		
12	Re-asphalting the demolished asphalt layer. The work includes supply, installation and testing two layers of subgrade and sub-base. The compaction test should be not less than 100 % of Proctor laboratory density. The item includes all the necessary to complete the work as per applicable standards and supervision instructions	Lin.M	55		
13	The item includes loading, transport, unloading and rough grading of unloaded excess material from trench excavation and dismantled pipes to the landfill at a distance up to 8 km.	LS	1		
Total in USD					

2. Rehabilitation of Sewer Lines on Al Net Road

No	Item Description	Unit	Quantity	Unit Rate in USD	Total Amount in USD
1	Mechanical cutting and removal of existing asphalt on both sides along the trench for laying pipes, the width of the trench shall be 60 cm or greater, mechanical and hand breaking of asphalt to pieces of average thickness d=15 cm or more including loading and transport of asphalt to the city landfill and the task include all required job labor, material and costs to complete the task are per Specification and Engineer instruction.	Lin.M	55.2		

2	Excavation in moderate soil. Excavation shall be carried out to reach the existing sewer line that need to be replaced or up to the level approved by the Supervision. Excavation shall be done mechanically, except where the route intersects with underground installations where excavation will be done manually and pipes/cables should be supported and protected (Intersection with GMRA Water line 600 mm and Fiber optic line in addition to any other unseen service lines that will be identified upon work commencement). During excavation of trenches deeper than 1.0m, trenches shall be immediately supported by shores to enable smooth and safe excavation. During excavation works, earth shall be loaded to a truck or temporarily stored by the edge of the trench, at least 2.0m from the edge of the trench. The item includes all costs relating to trench excavation.	Lin.M	55.2		
3	Incentive for trench excavation to a depth greater than 2 m and not exceeding 3 m, the trench width should be at least 60 cm and the work includes backfilling and re-asphalting.	Lin.M	55.2		
4	Incentive for trench excavation to a depth greater than 3 m and not exceeding 4 m, the trench width should be at least 60 cm and the work includes backfilling and re-asphalting.	Lin.M	55.2		
5	Incentive for trench excavation below ground level. The item includes dewatering of the accumulated water outside the trench as per applicable standards and supervision instructions	LS	1		
6	Dismantling and removal existing sewer line with diameter of 300 mm and less. The work includes demolition of any concrete surrounding and transportation of rubbish material to approved dump area as per supervision instructions	Lin.M	55.2		
7	The item includes any adjustments to trench bottom (excavation and backfilling) to obtain the required grade. Trench bottom shall be thoroughly graded according to elevations and grades provided in the design (+/- 1cm) and subsoil compaction by plate vibrator until achieving the required compactness, min. 15Mpa. If required compactness cannot be achieved in some areas, sandy-gravel material shall be added. Calculation per m2 of graded and compacted surface of the trench bottom	SQ.M	40		
8	Supply, install and backfill 200 mm polyethylene pipes Class B, 10 Bar according to specifications and applicable standards. The work includes bedding with clean sand layer of 10 cm below the pipe invert and 30 cm above the pipe crown including compaction	Lin.M	55.2		
9	After certain sections of the pipeline are installed, the pipeline and inspection chambers shall be checked for waterproofing, with the obligatory presence of the Supervision, and under the terms of utility company and the applicable regulations for this type of work (pressure head). Any defects shall be remedied before trench backfilling. Calculation	Lin.M	55.2		

	per meter of constructed pipeline route.				
10	Supply and backfill the trench in layers. The backfill material should be approved by the supervision, compacted and simultaneous extraction of trench shoring, wherein the layer thickness during compaction must match the type of material and the used compaction machine. Backfilling is done down to lower elevation of subgrade of road. Compaction shall be performed until reaching the required compaction, and it shall be checked for each layer at a distance between two adjacent sewer manholes. Below roads compaction should be 100% of the maximum laboratory compaction by standard "Proctor" procedure or compressibility modulus $M_e = 2.5 \text{ kN/cm}^2$. Calculation per m^3 of placed material in a compacted state.	CU.M	60		
11	The item includes supply of all required materials including re bar, accessories and labor necessary for complete and prescribed execution of concrete surrounding around the pipe next to the manholes: setting up and dismantling of necessary formwork, straightening, cutting, bending and tying of rebar, mixing and pouring of concrete C15 and all necessary to complete the work as per supervision instructions. Number of concrete surrounding that need to be executed is two sections	LS	1		
12	Re-asphalting the demolished asphalt layer. The work includes supply, installation and testing two layers of subgrade and sub-base. The compaction test should be not less than 100 % of Proctor laboratory density. The item includes all the necessary to complete the work as per applicable standards and supervision instructions	Lin.M	55.2		
13	The item includes loading, transport, unloading and rough grading of unloaded excess material from trench excavation and dismantled pipes to the landfill at a distance up to 8 km.	LS	1		
14	Re-build the intermediate pavement that crosses the targeted line. The work includes supply and installation of all required materials including concrete curbs, interlocking tiles and all the necessary to complete the work as per supervision instructions	LS	1		
	Total in USD				

Summary	
	Amount in USD
Subtotal Works Tripoli-Benghazi Road	
Subtotal Works Al Net Road	
Grand Total	
Grand total in words USD	
Name of the contractor:	
Signature and stamp of the contractor	
Date:	



Annex 3

Specifications

Attached



Annex 4

UNDP General Conditions of Contract for Civil Works

Attached