



RFQ/LBY/SLCRR/2020/070 - REQUEST FOR QUOTATION (RFQ)
(Civil Works)

Rehabilitation Project of GT7 and SW1 Water and Sewage Pump Stations Facilities in Benghazi, Libya	DATE: September 15, 2020
	REFERENCE: RFQ/LBY/SLCRR/2020/070

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 **29th September 2020 at 14:00 hours** Tunis, Tunisia time, ref. www.greenwichmeantime.com and via email at tenders.ly@undp.org.

An organized site visit, subject to government movement restrictions, is arranged for 21st September 2020, at 11:00 hours, Libya time, at below mentioned place.

- The facilities are located in the central area of Benghazi in Alfondok neighborhood with GPS coordinates; 32.119418N & 20.070912E, overlooking Algazaer Road and Mohammad Almgariaf road right beside Alnahr hospital for eye surgery.

Focal Person(s): Eng. Walid Mughrabi Phone: +218 925302129 / +218 917431429

Quotations submitted by email must be limited to a maximum of 10 MB, 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	The facilities are located in the central area of Benghazi in Alfondok neighborhood with GPS coordinates; 32.119418N & 20.070912E overlooking Algazaer Road and Mohammad Almgariaf road right beside Alnahr hospital for eye surgery.
Preferred Currency of Quotation	United States Dollars (US \$)
Site visit	An organized site visit is arranged for 21 st September 2020, at 11:00 hrs (Libya Time) Focal Person(s): Eng. Walid Mughrabi Phone: +218 925302129 / +218 917431429
Period of Validity of Quotes	120 days - commencing on the submission date 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 up to maximum duration of 01 calendar month: 0.5% per day Max. limit of delay: 10%
Performance Security	<p>Required: In lieu of Performance security, contract will be subject to a deduction of 10 % (TEN) percent of the amount accepted for the payment as security deposit from all progressive payments.</p> <p>This amount will be kept as Retention to cover the Defect Liability period* of 6 months after Contract completion date. Retention amount could be replaced with the Bank Guarantee issued by reputable International Bank.</p> <p>a. The proceeds of the Performance Security shall be payable to UNDP as a compensation for any loss resulting from the Contractor's failure to complete its obligations under the contract.</p> <p>b. Upon successful completion of Defect Liability Period of 6 months and upon issuance of completion certificate, UNDP will release retention money to the Bidder.</p> <p>* Retention Defect Liability is instrument to cover any defects that are discovered or raised in the normal course of usage within 6 months after the works/goods have been put into the service</p>

<p>Quotation shall include the following:</p>	<p>a. <u>General Information and Experience</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 including the 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>b. <u>Business Licenses</u>: Valid business license in general construction works. Interested bidders must have appropriate permission/registration from relevant Government body to operate in Libya (copy must be provided with the quote). The evidence (documents) must be translated into English language.</p> <p>c. <u>Copies of Contracts and Completion Certificate</u> of two similar contracts as prime contractor.</p> <p>d. <u>List of proposed personnel with CV's</u> showing relevant experience and qualification.</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. <u>Signed/stamped Annex 2 & 2A</u> (FORM FOR SUBMITTING SUPPLIER'S QUOTATION – Annex 2) and (BILL OF QUANTITIES – Annex 2A)</p>
<p>Evaluation method to be used in selecting the most responsive Bid</p>	<p>Lowest priced offer of technically qualified/responsive quotation</p>

Evaluation Criteria	<ol style="list-style-type: none"> 1. Minimum of 5 (five) years of experience in construction. 2. Capacity to undertake construction/vertical works. The company should have completed as prime contractor at least two (2) similar contracts (rehabilitation or new construction of buildings), with the value not less than USD 100,000.00 per each contract. Copies of contracts and completion certificates (handover of work) have to be provided. The supporting documents must be translated into English language. 3. Qualification and suitability of the key personnel proposed for the contract including their previous experience with same type of assignment: <ul style="list-style-type: none"> • Civil Engineer /Project Manager - shall have a University Degree in Civil Engineering and minimum of 5 years of experience of work of an equivalent nature. • Electrician – Certified 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. 4. Submission of Implementation Timeline/Meeting the works completion deadline of 90 days. 5. Acceptance of General Terms & Conditions for Civil Works.
Maximum Expected duration of contract	The successful vendor shall complete the works within 90 days from the award of contract. Offeror’s technical approach shall fully comply with the specifications and BOQ.
All documentations, including catalogs, instructions and operating manuals, shall be in this language	English Documents provided in other languages must be translated into English
Deadline for the Submission of Quotation	On or before 29 th September 2020 at 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 & 2 A)</p> <p>General Terms and Conditions for Civil Works (Annex 3).</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/2020/070</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>
Other Information Related to the RFQ	<p>UNDP has zero tolerance for fraud and corruption, meaning that UNDP vendors are not to engage in fraud or corruption. Vendors engaged in fraud and corruption will be subject to sanctions. Fraud includes the submission of fraudulent or misrepresented documents, such as bid securities and financial statements.</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/procurement/business/protest-and-sanctions.html>

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 'Shohrukh Abdulloev'.

Shohrukh Abdulloev
Head of Service Centre a.i.
UNDP Libya

SCOPE OF WORK

Rehabilitation Project of GT7 and SW1 Water and Sewage Pump Stations Facilities in Benghazi, Libya

1. STRENGTHENING LOCAL CAPACITIES FOR RESILIENCE AND RECOVERY – SLCRR project

“Strengthening Local Capacities for Resilience and Recovery” is a multi-phase, multi-year project that is directly implemented by UNDP Libya and funded mainly by the European Union.

The second phase aims at enhancing provision of basic services at local level and increasing access for most vulnerable groups from host communities – including Internally Displaced Populations (IDPs) and returnees – as well as migrants and refugees. This second phase is implemented in close cooperation with the Ministry of Local Governance, Municipalities, UNICEF and Italian Agency for Development Cooperation (AICS).

To respond to the many challenges people in Libya are facing, UNDP approach is to help the local authorities to restore security, essential services delivery and livelihoods opportunities putting the country on a more robust development path.

2. PROJECT BACKGROUND

a. Project description

SW1 is a storm water pumping station which collects rainwater from the area, from Alexandria road in the east to Alfateh road in the west and from Ahmed Rafiq road in the north to Alsafsaf road in the south. The collected water (mix between rainwater and sewage water) is pumped from this station to 23rd July lake. The station accommodates four pumps which are out of service and temporarily works with dewatering pump and one submerged pump.

GT7 is a wastewater pump station which is right next to SW1. GT7 serves the area of city center from Alshwikhat road and BenGhasheer road to Omar Ben Alas road. The sewage water collected at this station is supposed to be pumped to GT3 and from there to the main sewage treatment plant in Gwarsha. However, as GT3 is out of service, the sewage water is pumped to GT3 and from there flows through a by-pass pipe to 23rd July lake.

The project is targeting the rehabilitation of SW1 and GT7 pump stations facilities mentioned above.

b. Direct and indirect beneficiaries

- i. Direct beneficiaries: Residences of downtown district (6,000 Female and 4,000 Male)
- ii. Indirect beneficiaries: Local contractors, workmanship, shops selling materials, truck and pick up drivers, local engineers

3. LOCATION

The facilities are located in the central area of Benghazi in Alfondok neighborhood with GPS coordinates; 32.119418N & 20.070912E overlooking Algazaer Road and Mohammad Almgariaf road right beside Alnahr hospital for eye surgery.

4. BUILDING/CONSTRUCTION DESCRIPTION

The facilities consist of a pump house which is around 200 sqm with a ceiling height of 6 m, operators' room which consists of a 3x3m room, kitchen area, a toilet, the transformer room to accommodate the transformer and a surrounding wall which forms a yard of around 450 sqm.

5. DESCRIPTION OF THE DAMAGE

Due to its location, the facilities have been severely damaged by not only the armed conflict that the area has gone through but also by the illegal weapon dealers at Souq Alashia. Illegal weapon dealers operate every afternoon in the yard opposite the stations and test their weapons by shooting on the station walls which frightens the operators and preventing them from doing their work. The theft of aluminum doors and windows and copper electrical wires is also rampant and making the area unsafe if proper structures were not constructed to safeguard the facilities. The operators' room was set in fire and paint and plastering has been affected

6. WORKS ON BRIEF

The rehabilitation project includes civil, plumbing & sanitary and electrical works. Below are the important and summary of the required rehabilitation works, for more detail refer to BOQ, the work shall include but not limited to the following:

- a. The [civil part] of the works includes but not limited to site preparation; demolition and dismantling of tiles, sewage & water network; excavations works; concrete and paving works; plastering & painting; tiling; doors installation; waterproofing of roof, as indicated on the BoQ.
- b. The [plumbing & sanitary] works include but not limited to PPR water piping; manholes; PVC piping; mixers & siphons; electrical water heater, as indicated on the BoQ.
- c. The [electrical] works include but not limited to lighting; AC units; maintenance and commissioning of internal electrical circuit and compensating lost electrical wires as indicated on the BoQ.

7. DURATION OF THE PROJECT

The duration of the project '*Rehabilitation Project of GT7 and SW1 Water and Sewage Pump Stations Facilities in Benghazi, Libya*' is **ninety (90) calendar days**. All work shall be scheduled to complete within this timeframe. Any modifications or extensions shall be requested through Engineer for review and approval.



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/2020/070 - Rehabilitation Project of GT7 and SW1 Water and Sewage Pump Stations Facilities in Benghazi, Libya**

Description:	Total (US\$)
Total work for Rehabilitation Project of GT7 and SW1 Water and Sewage Pump Stations Facilities in Benghazi, Libya (as per priced BOQ-Annex 2A)	
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.

We declare that the firm/company or individuals employed by the firm/company are not included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List.

Company Name: _____

Contact Person: _____

Position: _____

Email: _____

Mobile Number: _____

Address: _____

Authorised Signature & Stamp: _____ Date: _____

BILL OF QUANTITIES

Description: Rehabilitation of Sewage Water Pump Stations GT7 & SW1, Benghazi, Libya
RFQ Reference Number: RFQ/LBY/SLCRR/2020/070

BILL OF QUANTITIES (BOQ)					
Rehabilitation of Sewage Water Pump Stations GT7 & SW1 , Benghazi, Libya					
Item	Description	Unit	Qty	Unit rate in US\$	Total Amount in US\$
1	CIVIL WORKS				
A	Demolishing and Preparation Works				
	Notes:				
	The work shall include and comply with the following:-				
	a. Removing of demolished material out of site to authorized dumping sites.				
	b. The dismantled material are the sole properties of the client (in case those material are required by the Client).				
	c. The contractor shall coordinate implementation of his daily work activities, working hours, throughout the construction period with the client and the supervising engineer.				
	d. The contractor shall protect and safe guard the existing facilities and building finishes, including the painting, the floor tiles, ...etc.				
	e. The contractor shall make the necessary temporary water, electrical power connections ..etc to prevent interruption of the power and water supply for the existing functioning building.				
	f. The contractor shall take all necessary measures to protect and safe guard the labor and the structural integrity of the building during the demolishing woks, all as per the attached specifications.				

A1	Ceramic Tiles Demolition: Demolishing tile / ceramic tiles for walls and floors in the operators' room. The work includes preparation of surface to receive new ceramic tiles and transportation of demolished materials to approved dump areas as per consultant engineer instructions	m ²	35		
A2	Sewage dismantling: Dismantling and removing sewage pipes and accessories, drainage of rainwater including (AL-GARGOURI) and preparing the work according to the technical specifications and instructions of the supervising engineer.	M.L	15		
A3	Water network dismantling: Dismantling and removing water pipes with different diameters for the internal drinking water network and its accessories and preparing the place according to the technical specifications and instructions of the supervising engineer.	M.L	30		
A4	Water tank dismantling: Dismantling and remove the elevated drinking water tank on the roofs of building with its accessories, in accordance with the technical specifications and as per the Engineer's instructions.	No.	1		
A5	Wash basin dismantling: Dismantling and remove hand wash basins, dishes and accessories and keep them fit for re-installation, in accordance with the technical specifications and as per the Engineer's instructions.	No.	1		
A6	Steel doors removal: Dismantling and removing the steel doors that are damaged in different sizes according to the technical specifications and instructions of the supervisor engineer.	No.	6		
A7	Steel protection windows removal: Dismantling and remove the damaged steel protection windows according to the technical specifications and instructions of the supervisor engineer.	No.	20		
A8	Site preparation: Supply of materials, tools, machineries and manpower for site preparation. The work includes clearing, stripping and levelling of the site, removing any natural vegetation inside the actual lines of construction and removing and dumping all the debris and rubble to a site approved by the local	m ²	500		

	authorities. According to the Engineer's instructions.				
B	Excavation and Backfilling				
B1	Excavation: Supply of materials, tools, machineries and manpower for excavation in ordinary soil for the foundations and ground beams, according the required depth and dimensions. Including transport and storage of soil in good conditions for reusing, as per technical specifications and the Engineer's instructions.	m ³	10		
B2	Backfilling: Supply of materials, tools, machineries and manpower for backfilling outside the site, including compaction of layers, according to technical specifications and as per the Engineer's instructions.	m ³	3		
C	Concrete Works				
C1	Concrete precast cover: Supply and install precast concrete panels covers for the septic tank. The work includes all the necessary to complete the work. All according to the technical specifications and as per the Engineer's instructions	m ²	5		
C2	Reinforced concrete for foundations, beams, columns and parapets: Supply tools, manpower, materials and equipment for casting C30 concrete for foundations, beams , columns and parapets for the new boundary wall. The price shall include the required steel reinforcement (one layers of 14 mm diameter bars at 5 bars / meter for foundations and 6 bars of 14mm diameter for columns, and two layers of 14 mm bars (3 bottom and 2 top) for tie beams). Including insulation layers where necessary, shuttering, formworks, required bonding agent and curing. All according to the technical specifications and as per the Engineer's instructions.	m ³	25		
C3		m ²	450		
D	Masonry works				
D1	Masonry works (40x20x20 cm): Supply of materials, tools and manpower for masonry works by using concrete hollow blocks of dimensions 40x20x20 cm, with cement sand mortar (1:3) mix. including	m ²	360		

	vertical and horizontal levelling, according to technical specifications and as per the Engineer's instructions.				
E	Plastering Works				
	a. Plastering to walls and ceilings including plaster patches at different locations.				
	b. The plastering work shall include surface preparation ready for plastering including repairing the existing holes and cracks in the walls and ceilings with cement mortar, filling around pipes and conduits, etc; all in accordance with specification and the Engineer's approval.				
E1	Large cracks repairing: Supply of materials, tools and manpower for repairing large cracks, by breaking the old plaster around the crack, 15 cm wide, cleaning the place and fixing the plastic nets along the crack, and restoring the plaster layer with a concrete mortar (3: 1), all according to technical specifications and as per the Engineer's instructions.	M.L	60		
E2	Cracks repairing: Supply of materials, tools and manpower to repair cracks in the existing plastered walls and ceilings. The work shall include stripping off 15-20 cm wide plaster along the cracks, filling the cracks with approved filling material, plastering and rendering the surfaces to match the existing finishes, according to technical specifications and Engineer's instructions.	m ²	500		
E3	Sand Blasting: Supply materials, tools and manpower for sand blasting existing exposed rebars in order to remove corrosion and dust. The works include rebars isolation by using Sika Zinc and providing a new concrete cover on the retaining wall in the pump house. The item includes all the necessary to complete the work, in accordance with technical specifications and as per the Engineer's approval.	m ²	15		
E4	External Plastering: Supply of materials, tools and manpower for plastering external walls and facades, by applying two layers. First layer of 15 cm thickness and a mixture (1: 3), with crushed sand (GARANILYIA) and the second layer 440 kg cement per 1 m ³ sand, by filling them with	m ²	680		

	a mixture of white cement with coarse well graded sand (GRENILYIA) and lime with fresh drinkable water, all according to the technical specifications and the Engineer's instructions.				
F	Painting Works				
	a. Painting works shall comply with the manufacturer's instructions and specifications.				
	b. Painting material shall be of high quality and approved products.				
	c. Painting to be carried out on new or old surfaces. The work includes, scraping off old defective paint, batching, puttying, sanding, and surface preparation; all in accordance with technical specifications and the Engineer's instructions.				
F1	Plastic Painting: Supply of materials, tools and manpower to paint the internal walls and ceilings, in the face of the preparatory standard, with 2 coats of emulsion plastic white painting. Including scratching of old painting, cleaning the walls and ceilings before painting. All according to the technical specifications and the Engineer's instructions.	m ²	810		
F2	Graphite Painting: Supply of materials, tools and manpower to paint entrances and external wall views/facades. The work shall include surface preparation, bonding priming, and sanding, all in accordance with the specifications and the Engineer's instructions and approval of samples.	m ²	1770		
G	Floor and wall tiling/cladding				
	a. The work shall include preparation of surfaces under tiles, sand with cement mortar, finish to falls and cross falls, special tile pieces for edges and plastic spacers, grouting and cleaning; all as per specifications and Engineer's approval.				
	b. Careful cleaning of the existing floors tiles and marble, including grouting and polishing as directed by Engineer.				
G1	Ceramic anti slip tiles: Supply of materials, tools and manpower for applying non-slip ceramic flooring tiles, (grade A), of dimensions 330x330 mm x 8mm thickness. Including a layer of 30mm of	m ²	15		

	mortar bed; all in accordance with technical specifications and Engineer's instructions and approval.				
G2	Ceramic tiles: Supply of materials, tools and manpower for applying coloured ceramic tiles for W.C's walls (grade A); all in accordance with technical specifications and Engineer's instructions and approval.	m ²	55		
G3	Counter marble: Supply of materials, tools and manpower for installing marble for the kitchen, Karara type with dimensions 120X50X3 cm, white colour, Italy made (or equivalent). Including grouting and polishing; all in accordance with specifications and as per Engineer's instructions and approval.	No.	1		
G4	Marble frames: Supply of materials, tools and manpower for installing marble for windows/doors frames and seatings, Karara type, of 3cm thickness, white colour, Italy made (or equivalent). Including grouting and polishing; all in accordance with technical specifications and Engineer's instructions and approval.	m ²	7.75		
G5	Marble skirting: Supply of materials, tools and manpower for installing Italian (or equivalent) marble skirting, with 10 cm width and 1cm thickness, Karara type and white color; all in accordance with technical specifications and the Engineer's instructions and approval.	M.L	40		
H	Doors, Windows, Suspended Ceiling, and Metals Works				
	a. clear float glass/ wired glass /tinted glass /translucent glass as appropriate to suit the respective doors and windows, similar to the existing doors and windows.				
	b. frames, door sash / window casement brass fixing screws, lock sets with 3 keys manufactured in Europe.				
	c. hardware and accessories shall be of high quality of approved brands.				
	Painting / Final Finish: -				
	a. Unless otherwise stated all surface of timber doors & windows and casements and door sashes shall be applied with two coat of wood preservative, two coats of primer, two coats of approved paint, paint type and finishing shall be similar to the paint finishing of the existing doors and windows.				

	b. Existing doors and windows, where required in the BoQ, shall be repaired with matching parts and hardware to restore weather integrity, soundness and smooth operation of the doors or windows.				
H1	PVC doors and windows: Supply of materials, tools and manpower for installing complete P.V.C doors and windows. All in accordance to technical specifications, approved colors and the Engineer's instructions and approval.	m ²	50		
H2	Steel protection windows and doors: Supply of materials, tools and manpower for installation of steel protection for doors and windows, as per approved design and including hardware, locks and painting. All in accordance with technical specifications and as per the Engineer's instructions and approval of samples.	m ²	50		
H3	Steel doors: Supply of materials, tools and manpower for installing steel doors from both sides, as per approved design, including hardware and painting. Installation in accordance with technical specifications and the Engineer's instructions and approval.	m ²	35		
H4	Roof waterproofing: Supply tools, materials and manpower to install new waterproofing membrane SBS 4 mm thickness on the existing roof. The price shall include removing the existing damaged waterproofing layer, repairing of damage parts, surface preparation and all the required works to complete the job. The waterproofing works must cover at least 50 cm of the parapet above the roof. All in accordance to technical specifications and as per the Engineer's approval and instructions.	m ²	30		
H5	Hand-Rail repairing: Supply tools, manpower and materials for repairing existing metal hand-rail. The work includes installation of missing/damaged parts including hinges, etc., removal of existing damaged parts (if any) and installation of new ones similar to existing (like for like). The work also includes removal of rust, painting with approved metal paint including anti-rust primer coat, under coat and the finish coat and all the required works according to the technical specifications and	LM	65		

	the Engineer's instructions.				
H6	<p>Windows Louvers: Fabricate, supply, install, paint windows louvers as per applicable standards and specifications. The work includes supply and installation of 6 mm glass panels if requested. The price includes undercoat, painting with priming and two oil based approved paint and all the necessary to complete the work as per consultant engineer instructions</p>	m ²	20		
H7	<p>Metal doors repairing: Supply tools, materials and manpower for repairing existing metal doors and protection bars. The work includes installation of missing/damaged parts including handles, locks, hinges, etc and removal of existing damaged glass/metal panels (if any) and installation of new ones similar to existing (like for like). The work includes removal of rust, painting with approved metal paint including anti-rust primer coat, under coat and the finish coat and all the required works according to the technical specifications and as per the Engineer's instructions.</p>	m ²	25		
I	Plumbing, Sanitary, Rain Drainage Works				
	a. The work shall include supplying and installation of all fittings such as elbows, bends, tees, junctions, plugs, reducers and similar pipe fittings.				
	b. Connecting pipes to sanitary fixtures and appliances.				
	c. Testing and disinfection after completion.				
	d. Excavation, backfilling, disposal of surplus soil for items which were specifically mentioned.				
	e. Assembling, jointing together fixing components parts, and jointing to pipes including necessary coupling and for leaving perfectly clean and in perfect working order on completion.				
	f. Submitting samples for the approval of the Engineer.				
	Rates for drainage work shall include for: -				
	a. Excavation, backfilling, disposal of surplus soil				

11	PPR water piping Ø 3/4" : Supply of materials, tools and manpower to install Poly Propylene (P.P.R) water pipes of Ø 3/4" inch. Including all required connections and fittings. All according to technical specifications and the Engineer's instructions.	L.M	20		
12	PPR water piping Ø 1" : Supply of materials, tools and manpower to install Poly Propylene (P.P.R) water pipes of Ø 1" inch. Including all required connections and fittings. All according to technical specifications and the Engineer's instructions.	L.M	8		
13	Ceramic hand wash basin : Supply of materials, tools and manpower to install white standing hand wash basin with overflow and single hole faucet, dimensions 480 x 580 mm, made of vitreous china to BS 3402 (grade A), complete with pipes ,valves, and waste trap, including all related work accessories and fittings in accordance with technical specifications and as per Engineer's instructions.	No	1		
14	Waste trap (10x10 cm) : Supply of materials, tools and manpower to install ground chromium plated waste trap, with the cover of dimensions 10x10 cm for W.C. Including removal of old waste trap, all the requirements to complete the job, and as per approval of sample and the Engineer's instructions.	No	3		
15	Manhole (60x60 cm) : Supply of materials, tools and manpower for constructing complete manhole/inspection room for sewage drainage with dimensions of 60X60 cm, with a depth of not more than 1 m, including iron cast cover, not less than 70 kg. All according to technical specifications and the Engineer's instructions.	No	2		
16	Western W.C.: Supply of materials, tools and manpower to install white vitreous china European W.C. (grade A) suite comply with BS 3402, with 10 liter plastic flushing cistern. Including all required fittings and accessories, complete and in accordance to technical specification and the Engineer'sr instructions.	No	1		

17	P.P.R water valves: Supply of materials, tools and manpower to install P.P.R water valves of 1/2, 3/4, and 1" inch. Including all required connections and fittings. All according to technical specifications and the Engineer's instructions.	No	6		
18	Electrical water heater: Supply of materials, tools and manpower to install fix electrical water heater, Ariston or equivalent. Capacity 80 liters, 0.8 Mpa pressure, provided with temperature gauges, including water supply pipes 16mm, chromium plated control valve, non-return valve, electrical connections and fittings. All in accordance to technical specifications and as per the Engineer's instructions and approval.	No	1		
19	PVC pipes Ø 1 1/2": Supply of materials, tools and manpower to install PVC pipes of diameter Ø 1 1/2" inch and pressure of 10 bar for sewage water discharge. All in accordance to technical specifications and as per the Engineer's instructions and approval.	M.L	6		
110	PVC pipes Ø 4": Supply of materials, tools and manpower to install PVC pipes of diameter Ø 4" inch and pressure of 10 bar for sewage water discharge. All in accordance to technical specifications and as per the Engineer's instructions and approval.	M.L	12		
111	Drainage trap: Supply of materials, tools and manpower to install chromium plated trap on roof, for water rain drainage. All according to technical specifications and as per the Engineer's approval and instructions.	No	1		
112	P.V.C. rain drainage pipes: Supply of materials, tools and manpower to install P.V.C pipes, diameter Ø 4 inch and 10-bar pressure for rain drainage network pipelines. Including all fittings and accessories needed to complete the work in accordance to technical specifications and as per the Engineer's instructions.	M.L	12		

I13	Ceramic dishes sink: Supply of materials, tools and manpower to install ceramic dishes sink of dimensions 1000 mm x 550 mm with two split basins, including mixer, pipes, valves, waste trap and all required accessories and fittings to complete the job. All in accordance with technical specifications and as per the Engineer's approval and instructions.	No	1		
I14	Water Mixer: Supply of materials, tools and manpower to install water mixer for hand wash basins. Including all fittings and accessories needed to complete the work in accordance to technical specifications and as per the Engineer's instructions and approval.	No.	3		
I15	Steel manholes: Supply of materials, tools and manpower to install steel manholes with dimensions of 60X60 cm, 1m depth. Including steel cover of weight not less than 70 kg, and all required works to complete the job. All in accordance to technical specification and the Engineer's approval and instructions.	No	2		
I16	Chrome Siphon: Supply of materials, tools and manpower to install Italian chrome siphon for hand basin and dishes basin. All in accordance with technical specifications and as per the Engineer's approval of sample and instructions.	No	2		
I17	Bath tub: Supply of materials, tools and manpower to install 70 x 70 cm bath tub of Chinese white clay, complete with siphon, mixer and shower, all of which are copper plated with chrome. The category includes a 3/4 locker with a coated copper rim and a plastic link of 1/2 1/2 inch to a floor siphon and a 15 x 15 Cm and all that is necessary to stop work. All in accordance with technical specifications and as per the Engineer's approval and instructions.	No	1		
I18	PVC water tank: Supply of materials, tools and manpower to install PVC tank, of 2 m3 capacity, including the electrical floating valve and all related work accessories and fittings. All in accordance to technical specifications and as per the Engineer's instructions and approval.	No	1		

1	TOTAL FOR CIVIL WORKS				
J	ELECTRICAL WORKS				
	a. Unless otherwise stated in Bill of Quantities the work shall include all supply and installation of all necessary materials (cables, conduits, PVC sunk box, bulbs, switches etc.) and labor required to complete the electrical installation to good working order.				
	b. Except where specifically stated, all costs associated with provision of all holes, openings, chases, ducts and other builders' work required for installation and make them good, shall be included in the rates.				
	c. All types of fittings, materials, painting and finishes shall be high quality combatable and match the existing and comply with relevant standards approved by the Engineer.				
J1	Supplying and installing a Lighting Projection with a power of 1000 watts Genuine European manufacturing. All the inputs, cables, gear switches, electrical distribution panel and all the necessary needed to complete the work; all according to the technical specifications, instructions, and approval of the supervisor engineer	No.	8		
J2	Supply and install double water-proofing fluorescent lighting fixture IP 65 with 60 cm, 40 watt with plastic cover for W.Cs and kitchens, including conduits, chock coils, starters, capacitors, clamps, bolts, similar to existing and all needed accessories. The work includes all the requirements to complete the work. All in accordance to the technical specifications and as per the Engineer's approval and instructions.	No	15		
J3	Supply and install Air Condition split units of 12 HP, all in accordance of specifications and instruction of the Engineer.	No.	1		
J4	Supply, install and repair an internal electrical circuit to serve the pump house building. The item includes cable routing in buried conduits, installation of boxes, external conduits if necessary, switches, sockets, and main circuit breakers inside the two SDB. All cables should be italian made, switches, sockets and circuit breakers of ABB type or equivalent. The item includes testing and commissioning the entire electrical	LS	1		

	system in the pump house building and fix all the system defects (if any) to ensure safe operation				
J5	Supply, install and repair a complete internal electrical circuit to serve the operators' room building. The item includes cables compensation, cable routing in buried conduits, installation of boxes, switches, sockets, main circuit breakers and internal and external lighting fixtures, All cables should be Italian made of 2.5mm ² cross section minimum, switches, sockets and circuit breakers of ABB typer or equivalent, and lighting fixtures of 2*120 Philips or equivalent. All used materials should be moist and gas proof. The item includes testing and commissioning the entire electrical system in the operators' room building and fix all the system defects (if any) to ensure safe operation	LS	1		
2	TOTAL FOR ELECTRICAL WORKS				
TOTAL					



Annex 3

UNDP General Conditions of Contract for Civil Works

Attached