

RFQ/LBY/SFL/2020/074- REQUEST FOR QUOTATION (RFQ)
(Civil Works)

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| Rehabilitation of the immigration Covid-19 isolation center Alkufra, Libya | DATE: September 30, 2020 REFERENCE: RFQ/LBY/SFL/2020/074 |
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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 **14th October 2020 at 14:00 hours** Tunis, Tunisia time, ref. www.greenwichmeantime.com and via email at tenders.ly@undp.org.

Note: while submitting your offer please make sure the email subject line should be **RFQ/LBY/SFL/2020/074**

An organized site visit, subject to government movement restrictions, is arranged for **7th October 2020, at 10:00 hours**, Libya time, at below mentioned place.

Immigration accommodation center - a road of new Bezymah - Aljawf- Alkufra Municipality

Focal Person(s): Eng. Eng Ali Shaw ali shaw - +218 914564034 / 091 456 40 34 / 094 50 90 100

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:

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| Place of contract | Immigration accommodation center - a road of new Bezymah - Aljawf- Alkufra Municipality. |
| Preferred Currency of Quotation | United States Dollars (US \$) |
| Site visit | An organized site visit is arranged for 7th October 2020, at 10:00 hrs (Libya Time) Focal Person(s): Eng. Eng Ali Shaw Tel: +218 914564034 / 091 456 40 34 / 094 50 90 100 |
| Period of Validity of Quotes | <u>120 days</u> - 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 | Not applicable |

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| 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> |
| Quotation shall include the following: | <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> |
| Evaluation method to be used in selecting the most responsive Bid | Lowest priced offer of technically qualified/responsive quotation |

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| Evaluation Criteria | <ol style="list-style-type: none"> 1. Minimum of 3 (three) 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 50,000.00 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 4 Months after handover of the site. 5. Acceptance of General Terms & Conditions for Civil Works. |
| Maximum Expected duration of contract | The successful vendor shall complete the works within 4 Months 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 14th October 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 |

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| 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/SFL/2020/074</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'.

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

Scope of work
Rehabilitation of The immigration Covid-19 isolation center in
Alkufra, Libya

Clinic description

The clinic is located at the immigration center which is located in Al jawf in the middle of Alkufra. The building of the Clinic Is one unfinished floor that was built in 2012 with area 256 m2 to provide the health care for the immigrants

Required work 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:

1. The civil part of the works includes but not limited to removal of damaged existing plastering & walls and, site preparation, painting works, ceramic tiling for walls and flooring, doors and windows installation, as indicated on the BoQ
2. The plumbing & sanitary works include but not limited to UPVC pipes for wastewater cleanout drainage system & basin, sink and shower installation, piping, electrical water heater, water tank as indicated on the BoQ
3. The electrical works include but not limited to lighting, installation of main distribution board/panel, fluorescent lighting, ventilation fan, lighting switch and sockets outlets, installation of wall-mounted inverter split air conditioners as indicated on the BoQ

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. **Rehabilitation of The immigration Covid-19 isolation center Alkufra, Libya RFQ/LBY/SFL/2020/074**

| Description: | Total (US\$) |
|---|--------------|
| Total work for Rehabilitation of The immigration Covid-19 isolation center Alkufra, Libya RFQ/LBY/SFL/2020/074 | |
| 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: _____

Annex 2A
BILL OF QUANTITIES

Description: Rehabilitation of The immigration Covid-19 isolation center Alkufra, Libya
RFQ/LBY/SFL/2020/074

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| | United Nations Development Program | | | | |
| Project Title: | Rehabilitation of The immigration Covid-19 isolation center Alkufra, Libya | | | | |
| Location: | Kufra- Libya | | | | |
| Currency | US Dollar | | | | |
| Items | Item Description | Unit | Qty | Unit Price (USD) | Total Amount (USD) |
| 1 | A - Demolishing and preparatory works: | | | | |
| | <p>The work shall include and comply with the following:-</p> <p>a. Removing the demolished material off site to authorized dumping sites.</p> <p>b. the contractor shall remove of all the machinery & equipment of the building & reinstall it after finishing the rehabilitation works.</p> <p>c. The contractor shall coordinate implementation of his daily work activities, working hours, throughout the construction period with the client and the supervising engineer for smooth implementation of the work and to avoid interruption of the functioning building.</p> <p>d. The contractor shall protect and safe guard the existing facilities and building finishes.</p> | | | | |
| A.1 | Demolishing the existing plastering layer with any thickness for internal & external walls including the mortar layer, drainage pipes and water pipes, sinks, basins . The work includes surface preparation to receive new plastering layer or new wall ceramic and transportation of the resulted material to approved dumping area as per consultant engineer instructions | SQ.M | 65.00 | | |
| A.2 | Dismantling and demolishing walls including drainage pipes and water pipes ,sinks, basins . The work also includes transportation of resulted material | SQ.M | 60.00 | | |
| A.3 | Carefully dismantling and removal of existing aluminum , wooden& metal doors and windows including the frames & metal protections and keeping the ones that can be re-used , handing them over to the client and transporting the resulted material to approved dumping area as per consultant engineer instructions | Nos | 5.00 | | |
| | B - Masonry & Plastering Works | | | | |

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| B.1 | Supply and build walls of cement hollow blocks of 40 x 20 x 20 cm and compressive strength of 27 kg/cm ² . The block should have cement mortar (1:4) consists of 300 kg cement and 1m ³ sand | SQ.M | 90.00 | | 0.00 |
| B.2 | Supply and install precast concrete curb with compressive strength of 150 kg/cm ² to be installed on a concrete base size 150 x 250 mm of ordinary concrete and filling the joints with mortar and the section is 350 x 150 mm & all the necessary to be completed as per consultant engineer instructions & approved sample | Lin.M | 35.00 | | |
| B.3 | supply and install pavement around the building and in garden. The work includes compacting and leveling the soil beneath the paving as per required levels, soil bedding with a 100 mm layer, supply and install interlocking tiles of 60 mm thickness with a compressive strength of 150 kg/cm ² and fixing the sides with mortar as per applicable specifications and consultant engineer instructions & approved samples | SQ.M | 35.00 | | |
| B.4 | Supply and apply two layers of cement plastering for walls. The first layer shall be cement sand mortar (1:3) and the second layer of 350 kg cement and 580 kg lime stone powder + 1170 Kg sand + marble powder. The Price includes supply & Apply Sika Latex's with the mortar (3 Water : 1Sika) along with supply & install of Fiber wire-mesh between new and old plastering and for conduits and windows' edges as per applicable specifications and consultant engineer instructions | SQ.M | 220.00 | | |
| B.5 | Supply and cast reinforced concrete grade C25 (25 N/mm ²) with a steel reinforcement of 80 kg/m ³ . The price includes shuttering and curing the concrete as per the consultant engineer instructions | CU.M | 5.00 | | |
| | C - Painting and coating Works | | | | |
| | The work shall include and comply with the following: a.All painting materials shall be of Grade A approved product b.The work shall include surface preparation for new painting works, including peeling off old damaged paint, filling holes, plaster patching, putty, priming, etc. c.Work in multi colors. | | | | |
| C.1 | Supply & apply minimum 2 coats of colored emulsion paint (Supercryle) of high quality approved product, on the existing internal walls and ceilings. The work shall also include removing the damaged of flaking paint, repairing cracks in the plastering, cleaning, surface preparation, prime coating ,applying putty as needed and all the necessary to complete the work as per consultant engineer instructions & approved samples | SQ.M | 670.00 | | |
| C.2 | supply & apply Graffito colored paint of high quality on the existing external ,walls, The work includes surface preparation including the application of paste, grinding and all the necessary to complete the work as per consultant engineer instructions | SQ.M | 250.00 | | |
| | D - Tiling and Marble Works: | | | | |
| | The work shall include and comply with the following: a. Tiles should be (grade A) approved product, comply with relevant applicable specifications. b.Samples should be provided for the Engineer's approval c.Cleaning & grouting with approved grout d. removing of all the machinery & equipment of the building & reinstall it after finishing the works. | | | | |
| D.1 | Supply and install grade A silvia marble of 3 cm thick for window ,door sills . The work includes mortar & all the necessary to complete the work as per applicable specifications | SQ.M | 49.00 | | |

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| | & as per consultant engineer instructions and approved sample(s) | | | | |
| D.2 | Supply and install (grade A- Spanish) anti-slippery ceramic floor tiles, the work includes preparing the area to receive the ceramic , soil bedding with a 100 mm layer , mortar along with Using backer rod & master seal 472 for the joints & and all the necessary to complete the work as per applicable specifications & as per consultant engineer instructions and approved samples | SQ.M | 240.00 | | |
| D.3 | Supply and install (grade A- Spanish) wall ceramic tiles. the work including all the necessary to complete the work as per applicable specifications & as per consultant engineer instructions and approved sample(s) | SQ.M | 245.00 | | |
| D.4 | Supply and install first grade ceramic tiles for skirting which is same kind and color of the floor tiles , as per consultant engineer instructions and approved sample(s) | Lin.M | 175.00 | | |
| D.5 | Supply and install(grade A) European marble of 3 cm thickness for stairs & wall of the entrance size 30 x 60 cm. The work includes all the necessary to install and fix the marble including mortar as per applicable specifications & as per consultant engineer instructions and approved sample(s) | SQ.M | 50.00 | | |
| D.6 | supply & install black granite with size 3 m x 0.6 m x 3 cm, The work includes Vertical marble slates , opening holes and install the basins & preparing the area to receive the cupboard & all the necessary to install & fix the granite as per applicable specifications & as per consultant engineer instructions and approved sample(s) | Lums | 1.00 | | |
| E - Doors, Windows and Metals Works | | | | | |
| | The work shall include and comply with the following: a.The contractor shall submit shop drawings for the approval of the Engineer, prior to fabrication.b.The color of aluminum is black-gray | | | | |
| E.1 | Supply & install aluminum panels doors of high quality (LP) (Large PS Type,) (known as Totaled). The item includes the frame, all the accessories, locks, cylinders, hinges and handles & all the necessary to complete the work as per applicable specifications & as per consultant engineer instructions and approved sample(s) | SQ.M | 27.50 | | |
| E.2 | Supply and install aluminum windows of high quality (LP). The item includes the frame, all the accessories, locks, cylinders, hinges, handles, glass panels 6mm & all the necessary to complete the work as per applicable specifications & as per consultant engineer instructions and approved sample(s) | SQ.M | 16.00 | | |
| E.3 | Maintenance and repair the existing metal doors. The work includes replacing all damaged parts such as hinges, handles, and accessories with new ones, frames fixation and all needed iron monger and hardware for frames and leaves and rubbing off old paints & all the necessary to complete the work as per consultant engineer instructions & approved samples. | Nos | 1.00 | | |
| E.4 | Supply & install (Grade A -Turkish) MDF high Glass panels for cupboards. The item includes the frame, all the accessories, locks, cylinders, hinges and handles & all the necessary to complete the work as per applicable specifications & as per consultant engineer instructions and approved sample(s) | SQ.M | 3.00 | | |

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| E.5 | Supply and install protection metal bars of 20x20 mm section for windows & entrance doors. The price includes applying 2 coats of primer (anti-rust paint) and 2 coats of final coats ,the frame, all the accessories, locks, cylinders, hinges and handles and all the necessary requirements and accessories to finish the work as per the consultant engineer instructions | SQ.M | 21.00 | | |
| E.6 | supply & install Stainless Steel liters 3D signage with dimensions (3.5*0.9 m) with 8cm thickness, Gold color, fixed on frame. The price includes 2 flood lights 30 W with wires & light sensor & all the necessary to complete the work as per consult engineer instructions & approved samples | Nos | 1.00 | | |
| | Total for Civil Works | | | | |
| 2 | F - Electrical and Air-Conditioning Works: | | | | |
| | Notes Unless otherwise stated, rates in BoQ shall include all necessary materials Cables, conduits, PVC sunk box, bulbs, switches etc.) and labor required to complete the electrical installation to good working order. 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. Testing and commissioning of the electrical installation is to be carried out by the contractor and cost of such testing and reports to be included in the rates unless otherwise mention separately. All the electrical materials shall be comply with BS specifications & executed according to supervisor engineer instructions & approved samples. The works include removal of all old wires, sockets, switches.....etc. | | | | |
| F.1 | supply & install Electrical Metal Flush Mounting Distribution Box 32 Way. the Distribution Board comply with BS 5486 along with supply & install (grade A- Italian) 63A 4 poles 10kA Miniature Circuit Breaker , Nos 8 of 10A breakers, Nos 8 of 16A breakers & Nos 8 of 32A breakers the price includes dismantling the old plastic box & reinstall the existing breakers & all necessary accessories and material to complete the work as per consultant engineer instructions & approved samples | Nos | 1.00 | | |
| F.2 | Supply and install (grade A) fluorescent lighting fixtures size 2 x 120 including the cover (casing). The lighting fixtures should be of approved brand (Philips or equivalent) and the work includes removal of the one and all the necessary to be completed as per consultant engineer instructions | Nos | 30.00 | | |
| F.3 | supply & install LED outdoor wall lighting up down (Philips or equivalent) with 55 W, Color 3000 K, lumens 870 lm, IP65.the price includes light sensor ,wires & all the necessary to complete the work as per consult engineer & approved samples | Nos | 15.00 | | |
| F.4 | Supply and install single internal electrical first grade socket 16 A (ABB or equivalent). The work includes removal/dismantle the old switches as per consultant engineer instructions | Nos | 20.00 | | |
| F.5 | Supply and install double internal electrical first-grade socket 16 A (ABB or equivalent). The work includes removal/dismantle the old switches as per consultant engineer instructions | Nos | 15.00 | | |
| F.6 | Supply and install (grade A- Italian) lighting isolated copper wires of 4 mm2 inside PVC conduits & all the necessary to complete the work as per consultant engineer instructions . | Lin.M | 200.00 | | |
| F.7 | Supply and install (1-1/4 in) PVC conduits inside the wall. The price includes breaking on the walls, wire mesh, installation inside walls & plastering the broken walls with using sika latex 3:1 & all the necessary to complete the work as per consultant | Lin.M | 100.00 | | |

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| | engineer | | | | |
| F.8 | Supply and install (grade A- Italian) lighting isolated copper wires of 6 mm ² inside PVC conduits all the necessary to complete the work as per consultant engineer instructions . | Lin.M | 200.00 | | |
| F.9 | Supply and install single internal electrical first grade switch 16 A (ABB or equivalent) for the lighting fixtures. The work includes removal/dismantle the old switches as per consultant engineer instructions | Nos | 15.00 | | |
| F.10 | Supply and install (grade A- Italian) lighting isolated copper wires of 2 mm ² inside PVC conduits all the necessary to complete the work as per consultant engineer instructions . | Lin.M | 200.00 | | |
| F.11 | Supply, install and maintain wall mounted inverter split air conditioners .the price includes supply & install switch 32 A, PVC drain pipes to the nearest drain point,6 mm ² wires inside PVC conduits from the switch to the existing JUNCTION BOX to the external units along with all breaking & plastering works and a waterproof on-off switch on the external units, galvanized steel holders/stands, opening in walls by coring machine, closing holes with sika sealant, gas, and oil charge. the units shall be according to the below specifications: Capacity:18000 BTU Pre-charged with Eco-Friendly R 410A Washable screen anti-bacterial filtration 3 years warranty Power supply source V/PH/HZ-208-230V-1-60HZ Airflow volume m ³ /h-840 Noise level in-door D/B-47 Noise level out-door D/B-53 Air Circulation (H/M/L) - m ³ /h 850/680/540 Digital, Multi-function LCD remote Control | Nos | 7.00 | | |
| F.12 | Supply and install high quality ceiling mount exhaust fan size 30 x 30 cm with 42 Db ,25 W , ABS housing , for toilets . The price includes upvc duct fitting 100mm , electrical wires , switch & all the necessary to complete the work as per the consultant engineer instructions & approved samples | Nos | 4.00 | | |
| F.13 | Supply and install hands dryer of high quality and approved type. The price includes pvc conduct , electrical wires , switch . | Nos | 3.00 | | |
| | Total for Electrical and Air conditioner works | | | | |
| 3 | G - Plumbing and Sanitary Works | | | | |
| | Plasticized polyvinyl chloride (uPVC) pipes shall be used in the plumbing installation and they must confirm in every respect to the requirements of BS 4514. All fittings and pipe specials used in the plumbing installation shall be suitable and compatible with all respects to the pipe line to which fittings and specials are fixed. All sanitary fittings & fixtures shall be ISO certified and approved by engineer Rates for plumbing work shall include for:- Cutting and waste of pipes etc., and joining pipes. All specials such as elbows, bends, tees, junctions, plugs, reducers and similar pipe fittings except for valves which will be measured separately. Testing and disinfection after completion. | | | | |

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| G.1 | Supply and install high quality Poly Propylene (PPR) pipes 1" and 3/4" diameter and 20 bar rate for potable water network. The pipes should be approved type. The item shall include breaking in walls and all the required fittings such as Tees, bends, stop valves, coupling and all related work and accessories to complete the work as per consultant engineer instructions | Lin.M | 150.00 | | |
| G.2 | Supply and install 50 liters water boiler of high quality (Ariston or equivalent). The price includes tubes, bends, valves and connections & PVC conduits, wires & 16A socket all the necessary as per the site engineer instructions | Nos | 4.00 | | |
| G.3 | Supply and install high quality oriental toilet seats including the flush system with minimum 10 liters capacity and cover & high quality Italian mixers. The work includes all the necessary to complete the work as per consultant engineer instructions | Nos | 2.00 | | |
| G.4 | Supply and install high quality wall mounted basins. The work includes mirror & high quality Italian mixers, all the fittings, valves, tees, elbows et and all necessary to complete the work as per consultant engineer instructions | Nos | 3.00 | | |
| G.5 | Supply and install high quality UPVC pipes 2, 4 and 6" and 10 bar pressure, for waste water drainage system (cleanout system). The work includes digging ,backfilling, mortar , all tees, bends, and all related work accessories and fittings with the tubes, packing adaptors, and all installation requirements as per consultant engineer instructions | Lin.M | 80.00 | | |
| G.6 | Supply and install floor drain of approved sample of 2.5" or 3.0" diameter. The item includes the 15 x 15 cm chrome cover and a 3-4" coupling of 80 cm length and all the necessary to complete the work as per consultant engineer instructions | Nos | 5.00 | | |
| G.7 | Supply & install high quality toilet seats including the flush system with minimum 10 liters capacity and cover & high quality Italian mixer. The work includes all the necessary to complete the work as per consultant engineer instructions | Nos | 1.00 | | |
| G.8 | supply & install high quality fiber glass water tank 3 m3. The work includes all the fittings, valves, tees, elbows , automatic timer, and, supply & install Italian water pump 2HP with automatic electrical switches and all necessary to complete the work as per consultant engineer instructions | Nos | 1.00 | | |
| G.9 | Supply and install high quality corner bath tub including the mixer, shower. The work includes all the accessories and the necessary to complete the work as per consultant engineer instructions & approved samples | Nos | 2.00 | | |
| G.10 | Supply & install high quality kitchen sinks including high quality Italian mixer. The work includes all the accessories and the necessary to complete the work as per consultant engineer instructions | Nos | 1.00 | | |
| 3 | Total Sanitary and Plumbing Works. | | | | |
| | | | | | |
| Section | Bill Of Quantities Sections Summary | | | | |
| 1 | Sub-Total For Civil Works | | | | |
| 2 | Sub- Total For Electrical Air Conditioning Works | | | | |
| 3 | Sub- Total For Plumbing and Sanitary Works | | | | |
| | Grand Total In USD | | | | |



Annex 3

UNDP General Conditions of Contract for Civil Works

Attached