## FORM F: Price Schedule Form

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| --- | --- | --- | --- |
| Name of Bidder: | [Insert Name of Bidder] | Date: | Select date |
| ITB reference: | ITB/LBY/SFL/2019/018 | | |

**Rehabilitation of the Exams Administration Building, SIRTE**

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| Name of Project | Rehabilitation of the Exams Administration Building |  |  |  |  |
| Location | Sirte, Libya |  |  |  |  |
| **Item** | **Description** | **Unit** | **Qty** | **Rate in USD** | **Amount in USD** |
|  | **A - Demolishing and Preparing** |  |  |  |  |
|  | The work shall include and comply with the following:- a. Removing of demolished material off 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 minimize environmental hazards including pollution, noise and dust. |  |  |  |  |
| A1 | Demolish and remove block work walls, including preparing surfaces for new block works as directed by Engineer. | CU.M | 250 |  |  |
| A2 | Demolish and remove damaged concrete including some unfixed parts of columns, beams, roof , including preparing surfaces for new concrete works as directed by Engineer. | L.SUM | 1 |  |  |
| A3 | Stripping of glazed tiles from internal walls including embedded mortar, preparing surfaces for new tile works and removal of surplus as directed by Engineer. | SQ.M | 680 |  |  |
| A4 | Stripping of glazed tiles from internal walls for bathrooms and kitchens including embedded mortar, preparing surfaces for new tile works and removal of surplus as directed by Engineer. | SQ.M | 185 |  |  |
| A5 | Stripping of glazed ceramic floor tiles including embedded mortar, preparing surfaces for new tile works and removal of surplus as directed by Engineer. | SQ.M | 60 |  |  |
| A6 | Stripping off damaged internal plastering, including preparing surfaces for new plastering and removal of surplus as directed by Engineer. | SQ.M | 1400 |  |  |
| A7 | Site clearance and removal of surplus. | L.SUM | 1 |  |  |
|  | **B - Concrete Works** |  |  |  |  |
|  | Concrete works/repair works shall include: -  1. Shoring to protect safety of the structure and shuttering in any form, shape and size. 2. Approved grouting material, filling material and additives. 3. Supplying and fixing of the required steel reinforcement as per the existing dowels or as required. |  |  |  |  |
| B1 | Supply and cast ready mix concrete B (250) kg/sq. for solid slab 20 cm thick for staircase . The price include the slopes 0.5% for the final slab where the minimum depth not less than 20cm at the locations at rain water traps everywhere in the slab and all other materials as per specifications , drawings and supervisor engineer's instructions. | SQ.M | 1750 |  |  |
| B2 | supply and cast reinforced concrete grade C40 for damaged columns, beams, stairs and lintels. The rat includes, cleaning of concrete surfaces, formworks, the required high steel reinforcement, (400 Newton / sq.) same as existing steel with adequate laps and proper bonding of old and new concrete using special approved bonding material according to the technical specification and engineer instructions . | L.SUM | 1 |  |  |
| B3 | Repair and treatment the existing concrete walls of handrail for stairs and ceilings. The work shall include stripping off 15 cm wide plaster along the cracks, clean and fill cracks with approved filling material and plastering to match the existing finishing; according to technical specification and Engineer instruction. | Lin.M | 40 |  |  |
|  | **C - Block Works** |  |  |  |  |
| C1 | Supply & build hollow concrete blocks grade 35 size 40x20x25cm, built with cement sand mortar (1:3) mix according to technical specification and instruction of Engineer. | SQ.M | 1300 |  |  |
|  | **D - Plastering Works** |  |  |  |  |
| D1 | Supply and make 2 coats 15 mm cement sand plaster on the internal walls and ceilings, including surface preparation. The work shall include fixing of metal mesh at the joints, all according to the specification and the Engineer's approval. | SQ.M | 2400 |  |  |
| D2 | Repair cracks in the existing walls and ceilings. The work shall include stripping off 15 cm wide plaster along the cracks, widen and make V shaped cracks, clean and fill cracks with approved filling material and plastering to match the existing finishing; according to technical specification and Engineer instruction. | Lin.M | 320 |  |  |
|  | **E - Painting Works** |  |  |  |  |
| E1 | Supply & paint internal walls, with one under coat primer and min. 2-coats of oil paint with all required works. The work shall also include removing the old paints, cleaning, preparation of surface and puttying, and all required works according to specification and the engineer approval. | SQ.M | 16000 |  |  |
| E2 | Supply & paint 2 coats colored weather shield emulsion paint on the external walls and fascia . The work include restitution of the holes and plastering damaged parts. The work shall also include removing the old paints, cleaning, surface preparation, puttying, and rendering coats to match the existing paint finishing; all in accordance with specification and the Engineer's instructions. | SQ.M | 7200 |  |  |
|  | **F - Tiling and Marble Works** |  |  |  |  |
|  | The work shall include surface preparation for tiling works, sand cement mortar, finish to falls, special tile pieces, grouting and cleaning; all as per specifications and the Engineer's approval. |  |  |  |  |
| F1 | Supply and install wall skirting made of white Carrara marble (grade A), similar to the existing, 10mm thick and 100mm height, including all required works. | Lin.M | 300 |  |  |
| F2 | Supply and install wall skirting made of white Carrara marble (grade A), similar to the existing for the vertical part of stairs , 30mm thick , including all required works with removing old one. | Lin.M | 40 |  |  |
| F3 | Supply and install wall skirting made of white Carrara marble (grade A), similar to the existing for the horizontal part of stairs , 20mm thick , including all required works with removing old one. | SQ.M | 15 |  |  |
| F4 | Supply and install marble (grade A) thiknes20 mm for the kitchen , similar to the existing, including removing the existing damaged tiles and all required works. | SQ.M | 11 |  |  |
| F5 | Supply and install marble floor tiles (grade A) thinness 30 mm for the windows , similar to the existing, including removing the existing damaged tiles and all required works. | Lin.M | 60 |  |  |
| F6 | Supply and install ceramic floor tiles, similar to existing , including removing the existing tiles, surface preparation for new tiling and all required work according to the engineer instructions . | SQ.M | 60 |  |  |
| F7 | Supply and install ceramic floor tiles, for kitchen and bathrooms, including removing the existing tiles, surface preparation for new tiling and all required work according to the engineer instructions . | SQ.M | 200 |  |  |
| F8 | Supply and install ceramic wall tiles, similar to the existing, including removing the existing tiles, surface preparation for new tiling and all required work according to the engineer instructions . | SQ.M | 680 |  |  |
| F9 | Supply and install one layer 4mm thick approved waterproofing bituminous membrane -rolls on the roof surface according to the specification and Engineer instructions. The work shall include surface preparation, cleaning, priming, and testing; all in accordance with specifications and the Engineer's instructions. | SQ.M | 1800 |  |  |
|  | **G - Doors, Windows and Metals Works** |  |  |  |  |
|  | The work shall include: supply, fabricate and installation of doors, windows, made out of grade 1 timber to be finish as per relevant applicable Standards. Work shall include for 4 mm thick clear float glass/ wired glass /tinted glass /translucent glass as appropriate to suit the respective doors and windows as similar to the existing doors and windows, where required. Rates shall include fixing frame, door sash / window casement brass fixing screws, lock sets with 3 keys. Preservative treatment for back of door & door frame in contact with masonry or concrete.  Painting / Final Finish 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 prime, two coats of approved paint, paint type and finishing shall be similar to the paint finishing of the existing doors and windows |  |  |  |  |
| G1 | Supply and install interior wooden doors grade 1 and 45 mm thick door leaf with frame, similar to the existing wooden doors door leaf made of 20 mm medium density fiber (MDF), stiles and rails , high quality hardware, door lock with handle, approved paints; all as directed and approved by the Engineer. | SQ.M | 280 |  |  |
| G2 | Repair and maintenance interior wooden doors , door lock with handle, approved paints; all as directed and approved by the Engineer. | No | 15 |  |  |
| G3 | Supply and fix steel doors including hardware and locks and painting with approved pain according to the engineer instructions. | SQ.M | 130 |  |  |
| G4 | Repair, conduct maintenance and adjustment on the steel doors, including painting, replace the damaged accessories, complete as directed by Engineer. | No | 5 |  |  |
| G5 | Supply and install external galvanized sliding steel gate, overall size 4500 X 2000 mm complete with frame, 1 moving leaf constructed of 2 panel made of 2 mm double galvanized steel plates, including door lock, all iron monger and hardware, painting with approved paints with all necessary supporting according to the engineer ‘s instructions. The gate to be fixed and supported by existing concrete columns of the fence. | No | 1 |  |  |
| G6 | Supply and install PVC doors , including accessories and hardware of high quality, complete as directed and approved by the Engineer. | SQ.M | 150 |  |  |
| G7 | Supply and install PVC partition parts , including accessories and hardware of high quality, complete as directed and approved by the Engineer. | SQ.M | 90 |  |  |
| G8 | Supply and install PVC windows , including accessories and hardware of high quality, complete as directed and approved by the Engineer. | SQ.M | 200 |  |  |
| G9 | Supply and fix Iron shed of corrugated steel sheets for car parking area including all supporting materials with slope to the sides ,size 6000mm\*10000mm including painting and lighting ,wiring with all required material according to the engineer instruction | L.SUM | 1 |  |  |
| G10 | Repair, conduct maintenance and adjustment on the steel protective grills for the windows including painting , similar to the existing as directed by Engineer. | SQ.M | 185 |  |  |
| G11 | Supply and install metallic false ceiling size 600mm x 600mm, similar to the existing false ceiling tiles and the suspension system, complete; all in accordance with specifications and the Engineer's approval. | SQ.M | 2150 |  |  |
|  | External Works: |  |  |  |  |
|  | Total for Civil works ..carried to summary |  |  |  |  |
|  | **H- Plumbing & 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. Rates for plumbing work shall include for:- All fittings such as elbows, bends, tees, junctions, plugs, ..etc.. Connecting pipes to sanitary fixtures and appliances. Necessary screws, nails sockets, connection back nuts standard pipe fixing or supporting clips, saddles, brackets, holder bats, straps Connecting of different types of pipes. Testing and disinfection after completion. Excavation, backfilling, disposal of surplus soil for items which were specifically mentioned. Rates for sanitary fittings shall include for:- Fittings such as taps, waste water outlet, internal overflows etc. and supporting brackets, incidental materials for fixing, unless otherwise measured separately. 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. Jointing and connecting of pipes to sanitary fittings. Testing and commissioning of the installation. Rates for drainage work shall include for :- Excavation, backfilling, disposal of surplus soil  All pipe specials such as bends, junctions, elbows, tees etc.  Connection to sides of manholes. Giving notices, obtaining permits, paying fees, fixing, testing and commissioning. |  |  |  |  |
| H1 | Supply and install white glazed fire clay standing hand wash basin with overflow and single hole faucet, size 480 x 580 mm, made of vitreous china to BS 3402 (grade A), complete with all water supply pipes 16mm, chromium plated mixer and waste trap. The work include all related work accessories and fittings. | No | 18 |  |  |
| H3 | supply and fix plastic tank for potable water 2000 L, including the floating valve and all related work accessories and fittings according to the specifications, and Engineer instructions. | No | 4 |  |  |
| H4 | Supply and install water network of the building. The work shall include supplying all required material, such as pipes, fittings, valves, stops....etc. to complete functional network and connected to the water supply,...with removing the damaged water network . The new water system shall be connected to the water source, all in accordance with specification and as instructed and approved by the Engineer including remove old one. | Lump sum | 1 |  |  |
|  | Supply and fix eastern W.C's flushing cistern as existing. including chromium plated tap 1/2” , including water supply pipe 16mm with all related work accessories and fittings with removing the old ones | No | 9 |  |  |
| H7 | Supply and install double standing hand wash basin for kitchen similar to the existing with overflow and double hole faucet, size 1600 x 460 mm with chromium plated mixer , complete with all water supply pipes 16mm, and waste trap. The work include all related work accessories and fittings. | No | 8 |  |  |
| H8 | Supply and install (grade A), complete with all water supply pipes 16mm, chromium plated mixer and waste trap. The work include all related work accessories and fittings. | No | 25 |  |  |
| H9 | Supply and fix electrical water heater similar to Ariston or equally approved, 80 liters capacity, 0.8 Mpa pressure, provided with temperature gauges, including water supply pipes 16mm, chromium plated control valve, non-return valve, electrical connections, as directed by Engineer | No | 12 |  |  |
| H10 | Supply and install waste water system including pipes, and manholes, with all related work accessories and fittings with removing the old ones , as directed by Engineer. | Lump sum | 1 |  |  |
| H11 | Supply and fix 1 " and 2.5 HP horizontal centrifugal pump, one flange and 50 HZ motor, installed on potable water main to supply the water tank. The work include connection to the electric power supply and all related work accessories and fittings. | No | 2 |  |  |
| H12 | Supply and install UPVC pipes 4" and 10 bar pressure, for rain water drainage. The work include all tees, bends, and all related work ,accessories and fittings, with removing old one . | L.M | 400 |  |  |
|  | Total Sanitary and Plumbing Works... Carried to Summary |  |  |  |  |
|  | **I-Air Conditioner Works:** |  |  |  |  |
| I1 | Supply, install and maintain wall mounted invertor split air-conditioners. The price shall include one year Warranty, wiring, electrical connections, drain pipes to the nearest drain points, water proof 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 charging. The units shall be according to below specifications and the applicable Standards, and as per the following specifications:Capacity-18 000 BTU Pre charged with Eco. Friendly R 410A.Washable screen anti bacterial filtrationLow Ambient Heating Temp.Power supply source-V/Ph/Hz-208-230V-1-60 HzAir flow volume-CU.M/h-840Noise level in door d/B-47Noise level out door d/B- 53Ai circulation-(H/M/L) -CU.M/h 850/680/540Digital, Multi-function LCD Remote Control | No | 30 |  |  |
|  | Total Air Conditioner Works. Carried to Summary |  |  |  |  |
|  | **H-Electrical Works:** |  |  |  |  |
| H1 | Supply and install fluorescent lighting fixture 2 X 40 watt with plastic cover grade A, including 120 cm day light lamps, 3 X 1.5 sq. wires, conduits, chock coils, starters, capacitors, clamps, bolts, and all needed accessories. | No | 460 |  |  |
| H2 | Supply and install double pole 16 A, 220V, lighting switch, The work include removal of old ones as directed by Engineer. | No | 20 |  |  |
| H4 | Supply and install single pole 16 A, 220V, socket outlet. The work include the earthing cable and removal of old ones as directed by Engineer. | No | 260 |  |  |
| H5 | Supply and install 400 watt spot light similar to the existing, including PVC conduits inside walls and wiring , connection to sub-boards and all needed cables and accessories . | No | 20 |  |  |
| H6 | Supply and fix sub-main distribution boards comply with fabricated from sheet steel having a minimum thickness of 1.5 mm. The steel shall be electro zinc plated with all needed accessories. | No | 1 |  |  |
| H7 | Supply and fix distribution boards similar to existing with all needed accessories. | No | 12 |  |  |
| H8 | Check and repair the damaged in the electrical net including wires 2,4,6 mm and replace a new ones | L.SUM | 1 |  |  |
|  | Total for Electrical works ..carried to summary |  |  |  |  |
| **Summary** | | | | | |
|  |  |  |  |  | **USD** |
| **1** | **Total Civil Works** |  |  |  |  |
| **2** | **Total Plumbing and Sanitary Works** |  |  |  |  |
| **3** | **Total Air Conditioner Works** |  |  |  |  |
| **4** | **Total Electrical Works** |  |  |  |  |
|  | **Grand Total..$** |  |  |  |  |
|  |  |  |  |  |  |