## Annex 2 - Bid Form (Must be signed and stamped)

* **This Below quantity is just an estimated one based on the foreseen current needs and it is subject to change (increase or decrease), in other words, LRCS does not guarantee any volume of orders under Framework Agreements, as all purchases will be based on the needs and activities of LRCS.**
* **Payment can by Paid by Cheque USD, Wire Transfer from Lebanon to Outside, OR Fresh to Fresh account in Lebanon – CASH IS NOT APPLICABLE, otherwise please advise**
* **BID SHOULD BE SUBMITTED TYPING AND NOT HAND WRITTEN *(written by hand bids will be considered as ineligible)***
* **Samples should be submitted with the bids or after 5 days from the closing date**
* **PLEASE, FILL UP ALL THE DETAILS REQUESTED IN THE BELOW TABLE.**

1. **Please Specify your Payment method: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

## Bid offer form:

## Lot 1: General Requirements

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit. | Unit | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
| A | **General** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | These General Requirements are applicable to the whole of the works. If the Tenderer wishes to price any clause or sub-clause related to Division 1 (General Requirements) and Conditions of Contract, such clause or sub-clause must be individually priced. Lump sums covering more than one item shall not be inserted. General Requirements prices shall not be adjusted in the event of any changes to the Contract Price due to variations. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Where any item, clause or sub-clause has not been priced, the value of such shall be deemed to be included in the rates for measured items elsewhere in the Bills of Quantities. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| B | **Photographs & Reports** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Daily and Weekly progress reports and photographs shall be provided and submitted to the project manager. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| C | **As-Built Drawings** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall allow for providing 'As-Built' drawings for all trades. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| D | **Workshop Drawings** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall allow for providing workshop drawings for the disciplines under the relevant sections. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| E | **Permits, Etc.** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall allow for obtaining all secondary permits necessary for carrying out the works, such as special equipment, permits, road closure, etc… |  |  |  |  |  |
|  |  |  |  |  |  |  |
| F | **Protection of Services and Cables** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall ascertain the position of and protect or divert as necessary all service lines utilities, and cables on or adjacent to the site as required by the Engineer. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| G | **Performance Bond** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall allow for providing a Performance Bond in accordance with the owner's requirements. The Bond shall be in accordance with the proforma in the Instructions to Tenderers Section provided by the project's Project Manager. The Bond shall be raised through the local branch of an approved surety and shall be lodged with the Employer prior to the Contractor submitting his first application for payment. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| H | **Water and Electricity** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Water for the Works shall be provided by the Owner. The Contractor shall make all necessary provisions for temporary transporting of water to the site including connections, pumps, pipe work and storage facilities if necessary. |  |  |  |  |  |
|  | Coverage for electricity shortages shall be provided by the Contractor and the cost of providing generators, fuel, maintenance, etc. and all other necessary facilities shall be borne by the Contractor. If mains power is available, the Contractor shall pay all charges incurred. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| J | **Samples and Testing** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall allow for providing all samples of materials, workmanship and mockups for any performed work and should meet the satisfaction of the Architect. All samples to be approved by architect prior to any exectution. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall allow for testing all materials as required by the specifications or directed by the Engineer. The Contractor shall Supply all test certificates and other documentation necessary to prove the suitability of materials for incorporation in the Works. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| K | **Insurance** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall provide all risk insurance cover described in the Contract documents prepared by the "Project Manager" and shall submit to the Engineer, certificates and receipts for premiums as required as proof of this cover. In addition, the contractor is responsible for theall risk insurance of the Existing scaffolding with the Flex, in addition to the extention of the scaffolding that will be added within their scope. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| L | **Other Contractors** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall liaise and cooperate with other Contractors and afford them all reasonable opportunity for carrying out their work. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| M | **Plant** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall provide and maintain all plant and equipment necessary for carrying out the Works and shall remove such plant and equipment on completion and make good disturbed areas to the Engineer's satisfaction. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| N | **Safety and Security** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall comply with the requirements of all safety regulations in force and ensure that his work-force, sub-contractors and any other person engaged on the Works also comply with their requirements. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall allow for all necessary watching for the security of the Works and the protection of the public. The Contractor shall provide all warning signs, barricades, screens, lamps, etc. as necessary. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| O | **Setting up the Site** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall allow for setting up the site including site investigation, surveying and setting out and for providing the Engineer with instruments and men for checking these operations. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall allow for providing temporary fences, gates, entrances, etc. for the protection of the site and removing on completion. All such protective measures shall be to the approval of the Engineer. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| P | **Care of the Site** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor shall keep the Site in a clean and safe condition including the orderly and tidy storage of materials, regular and prompt removal of rubbish and debris as it appears and the immediate removal from the construction area and tidy stacking of scaffolding and shuttering after used. |  |  |  |  |  |
|  | The Contractor shall protect works from the effects of the weather and subsequent operations by the provision of dust sheets, barriers, etc. to the satisfaction of the Engineer. |  |  |  |  |  |
|  | The Contractor shall clear away all temporary works at completion and shall make good all work disturbed, to the satisfaction of the Engineer. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Q | **Description Generally** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The description included in the Bills of Quantities to describe the workmanship and materials necessary for each item are not necessarily complete. The Tenderer is referred to the Specifications, Conditions of Contract and other documents and the Drawings for further information concerning the works and no claim or variation will be considered on account of his failure to acquaint himself with such information. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Moreover, all the architectural, structural, MEP & interior design drawings, specs, BOQs, shall be read in coordination and correlation with each other. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Discrepancies if any shall be reported to the Project Manager well ahead of execution time to avoid any delays. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| R | **Measurement Generally** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | All Quantities contained within these Bills of Quantities are intended to give a reasonable indication of the works shown on the drawings. The Contractor must check all quantities and allow in his rates for any changes, wastages, extra stock, etc... |  |  |  |  |  |
|  | Unless otherwise stated, all work has been measured net as fixed in its place with no allowance made for laps or waste. |  |  |  |  |  |
|  | Generally, in setting down dimensions in the Bills, the sequence is length width-height. All measurements have been taken up or down to the nearest meter (or other units). |  |  |  |  |  |
|  |  |  |  |  |  |  |
| S | **Pricing Generally** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Any arithmetical errors made by the Contractor in extensions or totals in the Bills of Quantities shall be corrected. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor will be required by the Engineer to produce a detailed breakdown of all his rates prior to the signing of the Contract. The Contractor shall liaise on this matter with the Engineer's representative. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | The Contractor should price all items he considers have a value. If any items are not priced by the Contractor they will be deemed to be of the other items. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| T | **Quantities** |  |  |  |  |  |
|  | It is the responsibility of the Contracor to double check the quantities against the Tender Drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
| U | **Contract Type** |  |  |  |  |  |
|  | The contract is a remeasured contract. Contractor to present actual quantities after finalizing item by item. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| V | **Scaffolding** |  |  |  |  |  |
|  | The contarctor is responsible for all the scaffoldings needed for any works including the extension of the exterior scaffolding for the façade works. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| W | **Protection** |  |  |  |  |  |
|  | Protection of existing building, utilities, trees and anything related to the building. Protection and covering of the furniture. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| X | **Scaffolding Safety** |  |  |  |  |  |
|  | Cover the scaffolding by a minimum one layer of burlap. Provide safety information signs for people. At ground level, the scaffolding should be wrapped with minimum two layers of burlap to prevent any access to the site. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Y | **Liability** |  |  |  |  |  |
|  | One year liability period on all BOQ items. |  |  |  |  |  |
|  | 10 years warranty on the glass and 3 years warranty on the aluminum frame and work. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  | Lot total | | |  |

## Lot 2 Site Construction

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| J | Removal of Roller Shutters of Shops - 2 items of 260x300cm and 1 item of 150x300cm - Contractor to check the items on site | 3 | unit |  |  |  |
|  |  |  |  |  |  |  |
| K | Dismantle, Carefully protect with suitable material and store all doors during siteworks. | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| L | Removal of ceiling Remains - Contractor to check all ceiling remains on site | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| M | Remove existing waterproofing membrane in the last floor (Floor) | 250 | m² |  |  |  |
|  | Remove existing waterproofing membrane on vertical walls in the last floor (Wall) | 88 | lm |  |  |  |
|  |  |  |  |  |  |  |
| N | Clean up and removal of all miscelanious debris (If any) | 1 | Provisional Sum |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| O | Clean, Prepare, Poor screed, Paint PU Waterproof on the screed, Lay pipes and cover with galvanized steel for the setback areas between the building and the neighbors (on both sides) - Contractor to check site for details | 23 | m² |  |  |  |
|  |  |  |  |  |  |  |
| P | Clean Ceiling, Sand and Paint wood in ceiling at terrace passage area | 6 | m² |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **2** | **LANDSCAPING (0290)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Flower Bed concrete construction constructed of 10 cms reinforced concrete (Sides and bottom), Waterproofing membrane, anti-racine mesh, gravel including draining system and all needed accessories |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | 1- At lower terrace on neighbors side, rectangular shape with a perimeter of 25m and an area of 8m2 - Refer to geenral plans | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
|  | 2- At lower terrace next to added staircase, rectangular shape with a perimeter of 7m and an area of 1m2 - Refer to geenral plans | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| B | Metallic (Zinc or Similar) flower beds for lower terrace | 3 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| C | Plantation |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | 1- Ivy Greenery next to exterior stairs, linear length 2.8 m - Refer to Plan | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
|  | 2- Variety of Plants and small trees for flower bed, linear length 10m- Refer to Plan | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
|  | 3- Plants for metallic flower beds in lower terrace - Refer to Plan | 3 | unit |  |  |  |
|  |  |  |  |  |  |  |
| **3** | **MISCELLANIOUS** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Relocation of Mechanical pipe passing in the entrance to the exterior setback including all needed accessories and materials - Refer to Mechanical for Specs | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| B | Arrange, regroup and hide all cables & pipes on Main elevation and side elevations - Refer to Architect | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| C | All visible cables at the entrance area, and staircase area to be regrouped, aeranged and Hidden - Refer to Architect | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |

## Lot 3 Concrete

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 1 | **Slabs** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply and pour concrete, using ordinary cement, having a 28 days minimum compressive strength of 25 MPa;(Including Reinforcement ) include embedded beams, labour, formwork and all necessary material ; as per the specifications and drawings . Cast-in-situ concrete including formwork and steel reinforcement; containing 350 kg of cement per cubic meter. Steel bars to be TOR Ø as indicated in BOQ or Drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | **Slab on grade** – thickness= 25cm - Area = 5.3m2 - including steel reinforcement and all needed accessories - Refer to Structural Drawings | 1 | m3 |  |  |  |
|  |  |  |  |  |  |  |
| B | **Lower terrace shelter slab; C**orrugated sheets with concrete screed as per attached detail: A= 24m2 Including anchoring to existing slabs/structure and Steel Reinforcement - Refer to structural drawings | 24 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| **2** | **Steel Reinforcement** |  |  |  |  |  |
|  | Supply, cut to size, fabricate, hoist and install reinforcement steel to concrete structures; including placement into forms, wires, cut and waste complete including labour and all necessary material; as per the specifications and drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | New billet deformed steel bars (fy = 460 MPa minimum) |  | **Tons** |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |

## Lot 4 MASONRY

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **1** | **UNIT MASONRY ASSEMBLIES (0400)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Precast concrete hollow blocks having a compressive strength of at least 85 kg/m2, bedded and jointed in cement and sand mortar (1:3) including expanded metal lath at every 3 rows and all necessary accessories and Including Continuous lintels (Horizontal and Vertical with S2 TOR 10 mm at bottom, 1 TOR 10 mm on top, connected by 6 mm triangular stirrups at 15 cm spacing) for all newly constructed CMU walls as per the norms. Width to match respective wall. All partial CMU pieces to be saw cut. Refer to Construction layouts |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | 10cm thick walls | 50 | m² |  |  |  |
|  |  |  |  |  |  |  |
| B | 15cm thick walls | 46 | m² |  |  |  |
|  |  |  |  |  |  |  |
| C | 20cm thick walls | 12 | m² |  |  |  |
|  |  |  |  |  |  |  |
| D | 25cm thick walls made up of one 10cm CMU layer and one 10cm CMU layer | 93 | m² |  |  |  |
|  |  |  |  |  |  |  |
| E | Blood Bank: 15cms Thick Walls | 70 | m² |  |  |  |
|  |  |  |  |  |  |  |
| F | Blood Bank: 10cms Thick Walls | 35 | m² |  |  |  |
|  |  |  |  |  |  |  |
| G | 10 cm parapets in reinforced concrete under glass fronts | 35 | lm |  |  |  |
|  |  |  |  |  |  |  |
| **2** | **CAST-IN-SITU ARCHITECTURAL CONCRETE** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Cast-in-situ concrete including formwork and steel reinforcement; containing 350 kg of cement per cubic meter. Steel bars to be TOR 10 mm. Stirrups in 6mm. Dimensions as shown on drawings. Refer to Drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Concrete jambs 100mm thick for doors | 50 | lm |  |  |  |
|  |  |  |  |  |  |  |
| B | Lintels above doors in blockwalls, extending at least 30 cm from each side to have: 2 TOR 10 mm at bottom, 1 TOR 10 mm on top, connected by 6 mm triangular stirrups at 15 cm spacing. | 10 | Item |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |

## Lot 5 METALS FABRICATION

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **METAL FABRICATIONS (0500)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | All steel works shall be validated by a the contractor's registered strutural engineer, via structural calculation notes and shop drawings submitted by the contractor. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | **STRUCTURAL STEEL WORKS** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Steel sections including surface preparation & Epoxy paint welding, plates, bolts, nuts and all necessary accessories all as specified. For General description comply with sections of division 5 metals fabrications including finishing. Refer to Structural and Architectural Drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **Lower terrace shelter Slab** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 1 | Steel beams IPE200; weight = 185Kg | 9 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 2 | Steel beams IPE180; weight = 220Kg | 12 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 3 | Steel Beams IPE140; weight = 161Kg | 14 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 4 | Steel columns - Tubes 120 | 6 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 5 | Roll bolts various f |  | Nb |  |  |  |
|  |  |  |  |  |  |  |
| 6 | Fixing plates and brackets |  | Kg |  |  |  |
|  |  |  |  |  |  |  |
| 7 | Epoxy painting |  | LS |  |  |  |
|  |  |  |  |  |  |  |
|  | **Third Floor Roof Slab** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 8 | Steel beams IPE 220 | 91 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 9 | Steel beams IPE 180 | 46 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 10 | Steel Beam IPE 140 | 59 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 11 | Steel Columns HEA 120 | 28 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 12 | Steel Tubes 120 | 30 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 13 | Sandwich panels Canopy covering | 180 | M2 |  |  |  |
|  |  |  |  |  |  |  |
| 14 | Roll bolts various f |  | Nb |  |  |  |
|  |  |  |  |  |  |  |
| 15 | Fixing plates and brackets |  | Kg |  |  |  |
|  |  |  |  |  |  |  |
| 16 | Epoxy painting |  | LS |  |  |  |
|  |  |  |  |  |  |  |
| B | **ARCHITECTURAL STEEL WORKS (0560)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 1 | Metal Ladders to Roof including epoxy paint and all needed accessories | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 2 | Shelving in Cold Room 35 cm width including all the needed accessories and finishing | 30 | lm |  |  |  |
|  |  |  |  |  |  |  |
| 3 | Balustrade ( Main Staircase and Balconies ) sandbasling, fixing and Finishing with Powder Coated paint. Ensure Structural connection to the steps and slab - Refer to Plan | 34 | lm |  |  |  |
|  |  |  |  |  |  |  |
| 4 | Metallic stairs with Balustrade and Handrail for Exterior added Stairs including all anchorings, needed accessories and finishing with powder coated paint h=100cm - Refer to Staircase detailed drawings | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 5 | Metallic Balustrade for Mezanines (Same design as per existing on site) h=100cm | 5 | lm |  |  |  |
|  |  |  |  |  |  |  |
| 6 | Shelter on top of Main Entrance made of a combination of Metal and Glass (Suitable for exterior)- Material specifications to be approved by architect - Refer to shelter drawing | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 7 | Sandblast, Clean and Paint Metallic elements on top of main door | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 8 | Metallic Rolling Shutter doors for shops - Various sizes - 2 items of 260x300cm and 1 item of 150x300cm - Contractor to check the items on site | 3 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 9 | Diesel Storage Tank with capacity of 2000 L each for the generator | 2 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 10 | Fiber (10x10 grid) element for ivy Greenery bolted to exterior wall, offsetted 10 cms 410 x 260 cm including all necessary accessories | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |

## Lot 6 WOODS AND PLASTICS

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **1** | **SIGNS FABRICATIONS (SIGNAGE) (0600)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Miscellaneous metal and plastic works, including supports, lighting, weatherproofing, and all necessary fixing accessories |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Main Exterior sign - Backlit - 3D letters (Main) full Stainless Steel (color to be selected at later stage - Gold or Silver Brushed) (THK 1.5mm) - 2D letters (Secondary) Stainless Steel (color to be selected at later stage - Gold or Silver Brushed) (THK 1.5mm) - Including Lighting and all needed accessories - Refer to Elevations for Dimensions and details | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| B | Logo Signs on Façade - Backlit - 3D letters (Main) full Stainless Steel (color to be selected at later stage - Gold or Silver Brushed) (THK 1.5mm) - 2D letters (Secondary) Stainless Steel (color to be selected at later stage - Gold or Silver Brushed) (THK 1.5mm) - Including Lighting and all needed accessories - Refer to Elevations for Dimensions and details | 2 | unit |  |  |  |
|  |  |  |  |  |  |  |
| C | Main Signs Per Floor - At main stairs and at elevator lobies - 2D letters Plexi Glass (Color to be specified at later stage) (THK 3mm) fixed to a 10mm Plexi Glass Panel 35cmx60cm- Including Lighting and all needed accessories - | 7 | unit |  |  |  |
|  |  |  |  |  |  |  |
| D | Main Sign at GF showing all the floors- at main entrance - 2D letters Plexi Glass (Color to be specified at later stage) (THK 3mm) fixed to a 10mm Plexi Glass Panel cm 60x150cm- Including Lighting and all needed accessories - | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| E | Interior Signs Miscelanious - 15cmx20cm - Engraved over Plexiglass (THK 5mm), including all fixation pins or glue - To be approved by Architect | 30 | unit |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **2** | **INTERIOR ARCHITECTURAL WOODWORK (0650)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Wooden Handrail (Natural Solid wood - Red Cedar) following detail in the drawings (Main Staircase and Balconies ) with a groove for indirect lighting from the bottom as showin in the detail drawings (with all the needed accessories and requirements) to be added throughout all the stairs over the whole building. (Led Lighting Included) | 34 | lm |  |  |  |
|  |  |  |  |  |  |  |
| B | Cladding (Painted MDF Cabinet style visitable for technical purposes including a louvered area to ensure ventilation of Mechanical Room) at the lower Terrace extention area including supports, shims, finish, shadow gaps, grooves, and all necessary fixing accessories - 30cms offseted from the wall - Refer to ground floor plan | 11 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| C | Cladding (Painted MDF) at Bedroom Walls including supports, shims, finish, shadow gaps, grooves, and all necessary fixing accessories | 50 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| D | Cladding (Painted MDF) at the Kitchen (High level to hide wall mis-alignments) added area including supports, shims, finish, shadow gaps, grooves, and all necessary fixing accessories - X cms offseted from the wall - Refer to ground floor plan | 12 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| E | Cladding (Painted MDF with visitable cabinets for the shaft for technical purposes) for the elevator walls including supports, shims, finish, shadow gaps, grooves, and all necessary fixing accessories - 30cms offseted from the wall - Refer to ground floor plan | 35 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| F | Counter (Corian Top) for blood bank Distribution area 120cmx60cm with al needed accessories and finishing | 1 | m2 |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **G** | **Wood Furniture / Elements** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | All indicated furniture, shall be constructed from white Formica panels with 18 mm back **(Otherwise indicated bellow)**, Egger color Ref. Glacier White or approved equivalent, including adjustable 25 mm shelves, soft close door hinges and drawer tracks by Blum (or approved equivalent) as applicable, variable heights, push to open leaves, supports, shims, finish, grooves, rebates, shadow gaps, leafs, partitions, backing, shelves, cove for indirect lighting hardware, supporting structure and all necessary fixing accessories as detailed on drawings - |  |  |  |  |  |
| 1 | FURN 001 - **Metallic powder** coated (Ral to be selected by architect) Bench at Ground Floor with all necessary accessories - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 2 | FURN.002 - **Painted MDF** (Ral to be selected by architect) wood cabinet with all necessary accessories bellow stairs at Ground Floor to cover electrical items - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 3 | FURN.003 - **Formica** Bedroom Closet at the First Floor - Refer to drawings | 2 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 4 | FURN.004 - **Formica** Lockers at the lockers room on the First Floor - Refer to drawings | 2 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 5 | FURN.005 - **Formica** Lockers at the lockers room in the First Floor - Refer to drawings | 2 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 6 | FURN.006 - **Painted MDF** (Ral to be selected by architect - Glossy) Kitchen at the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 7 | FURN.007 - **Painted MDF** (Ral to be selected by architect - Glossy) Cabinet and Upper cabinet at the kitchen on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 8 | FURN.008 - **Carved and Painted MDF** 280 x 300 cm (Erisson Logo) fixed to gypsum board wall with LED lights at the dining area on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 9 | FURN.009 - **Formica & Corian Top** L shaped Working desks + Upper cabinets at the Chargee room at the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 10 | FURN.011 - **Formica & Corian Top** Cabinets for Sink at the SDS room on the First Floor (Corian Top) - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 11 | FURN.012 - **Formica** Cupboard bellow stairs at the VHS room on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 12 | FURN.013 - **Formica** Desk for VHS room on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 13 | FURN.014 - **Formica** Equipement cupboard at the VHS room on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 14 | FURN.015 - **Formica** Mail lockers at the VHS room on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 15 | FURN.016 - **Painted MDF** (Ral to be selected by architect) Wood element (Martyrs) at the Living room on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 16 | FURN.017 - **Painted MDF** (Ral to be selected by architect)Wood element (TV) at the Living room on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 17 | FURN.018 - **Painted MDF** (Ral to be selected by architect) Wood element (Awards) at the Living room on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 18 | FURN.019 - **Painted MDF** (Ral to be selected by architect) Wood element (TV) at the Living room on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 19 | FURN.020 - **Painted MDF** (Ral to be selected by architect) Behind sofa tableat the Living room on the First Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 20 | FURN.021 - **Formica** Bedroom Closet at the bedrooms on the Mezzanine First floor - Refer to drawings | 8 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 21 | FURN.022 - **Formica** Cabinet with screens at the *salle de crize* on the Mezzanine First floor - Refer to drawing*s* | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 22 | FURN.023 - **Formica** Low cabinet with a screen at the office on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 23 | FURN.024 - **Formica** Cupboard at the office on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 24 | FURN.025 - **Formica** Cupboard at the office on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 25 | FURN.026 - **Formica** Cupboard bellow stairs at the office on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 26 | FURN.027 - **Formica & Corian Top** Cabinet for Sink + Upper cabinet at the kitchenette on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 27.00 | FURN.028 - **Formica & Corian Top** Cabinet for Sink at the Phlebetomy Area on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 28.00 | FURN.029 (a) - **Formica & Corian Top** Desk for Sink at the Testing and preperation room on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 29.00 | FURN.029 (b) - **Formica & Corian Top** Desk for Sink at the Testing and preperation room on the Second Floor (Corian Top)- Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 30.00 | FURN.030 - **Formica** (Ral to be selected by architect) Desk at the Interview Office on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 31.00 | FURN.031 - **Formica & Corian Top** Desk with Sink at the Distribution room on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 32.00 | FURN.032 - **Formica** Low cabinet with screens at the Meeting room on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 33.00 | FURN.033 -  **Formica & Corian Top** Counter desk at the waiting area on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 34.00 | FURN.034 -  **Formica & Corian Top** Desk at the waiting area on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 35 | FURN.035 - **Painted MDF** (Ral to be selected by architect) Wood element at the waiting area on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 36 | FURN.036 - **Painted MDF** (Ral to be selected by architect) Wood element at the living area on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 37 | FURN.037 - **Painted MDF** (Ral to be selected by architect) Wood element at the living area on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 38 | FURN.038 - **Painted MDF** (Ral to be selected by architect) Wood element at the waiting area on the Second Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 39 | FURN.039 - **Formica** Cupboard at the *salle de cours* on the Third Floor - Refer to drawings | 2 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 40 | FURN.040 - **Formica** Cupboard at the office on the Third Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 41 | FURN.041 - **Formica** Cupboard at the lobby on the Third Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 42 | FURN.042 - **Formica & Corian Top** Cabinet with Sink + Upper cabinet at the Kitchen on the Third Floor - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 43 | Wooden plinth at mezzanines areas (1.5cm thick by 8 cm height painted MDF) fixed to the walls with all necessery accessories | 70 | lm |  |  |  |
|  |  |  |  |  |  |  |
| 44 | WC.001 - **Formica & Marble Top** Cabinets with surface mounted Sink and mixer for WC - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 45 | WC.002 - **Formica & Marble Top** Cabinets with surface mounted Sink and mixer for WC - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 46 | WC.003 - **Formica & Marble Top** Cabinets with surface mounted Sink and mixer for WC - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| 47 | WC.004 - **Formica & Marble Top** Cabinets with surface mounted Sink and mixer for WC - Refer to drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **3** | **COUNTERTOPS (0650)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **A** | **Countertops made of Dupont Corian or approved equivalent (Unless indicated bellow), antibacterial following required medical standards, color to be selected by architect, including supports and all necessary accessories, as detailed on drawings** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 1 | Working area Tops countertops in Medical Areas | 6 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| 2 | Working area Tops countertops in Blood Bank | 10 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| 3 | Kitchenettes | 4 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| **B** | **Countertop made of real marble as specified bellow or equivalent, including supports and all needed accessories as detailed on drawings** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 1 | Main Kitchen Countertop - Nero Assoluto Marble | 5 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| 2 | Wc - Pietra grey marble | 4 | m2 |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |

## Lot 7 THERMAL AND MOISTURE PROTECTION

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit Price | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 1 | **COLD FLUID-APPLIED WATERPROOFING (0700)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Apply 2 layers of 4mm each SBS waterproofing membrane containing a minimum of 180gr/cm2 of polyester including 15cm upstands, 1 layer of geotextile and 4mm cartonal protection boards |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Cant strips on all horizontal to vertical intersections | 100 | lm |  |  |  |
|  |  |  |  |  |  |  |
| B | Metal flashing | 100 | lm |  |  |  |
|  |  |  |  |  |  |  |
| C | To roof (Terrace under tile, Elevator and Staircase roof) | 130 | m² |  |  |  |
|  |  |  |  |  |  |  |
| D | To roof (Under photovoltaics) applied over corrugated sheet including all needed accessories and horisontal / vertical joints - Flashing and Strips | 140 | m² |  |  |  |
|  |  |  |  |  |  |  |
| E | To added shelter in lower terrace applied over corrugated sheet including all needed accessories and horisontal / vertical joints | 25 | m² |  |  |  |
|  |  |  |  |  |  |  |
| **2** | **INTERIOR WET AREAS** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | WC | 17 | m² |  |  |  |
|  |  |  |  |  |  |  |
| B | WC Perimeter wall | 39 | lm |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |

## Lot 8 Doors and Windows

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit Price | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **ARCHITECTURAL GLASSWORK (0880)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **1** | Framed exterior aluminum elements in **TECHNAL GX/FX profiles** white powder coated with T**empered Laminated** double glazing of 6/9/6mm clear glass including supports, shims, finish, shadow gaps, grooves, EPDM, and all necessary accessories **(Technal Original)** , handles, locks, and accessories by Folda or approved equivalent. |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | *At Third Floor (Added area)* |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | EL-20 Exterior Glass Elevation 680 cms x 270 cms- Refer to Drawings (door is substracted from partition length) | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| B | EL-21 Exterior Glass Elevation 665 cms x 270 cms - Refer to Drawings | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| C | EL-22 Exterior Glass sliding door 245 cms x 270 cms - Refer to Drawings | 2 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| D | EL-23 Exterior Glass Elevation 200 cms x 270 cms - Refer to Drawings | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| E | GD-03 Glass Door inside Elevation EL-20 120 cms x 270 cms - Refer to Drawings | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
|  | *At Ground Floor Terrace Added Area* |  |  |  |  |  |
|  |  |  |  |  |  |  |
| F | EL-30 Exterior Glass Elevation (Slident Panels) 635 cms x 300 cms - Refer to Drawings | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| G | EL-30 Exterior Glass Elevation (Slident Panels) 360 cms x 300 cms - Refer to Drawings | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| **2** | Aluminum Interior glass partitions and doors, using **Technal** Profile white powder coated profiles in single glazing 10mm thick **Tempered Laminated** clear glass including floor mount automatic closers, shims, finish, shadow gaps, grooves, PVC glazing, and all necessary accessories **(Technal Original)**, locks, and stainless steel handles as shown on drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | *At Second Floor -Blood Bank Area* |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | GD-01 Glass Doors at blood bank 85 cm x 250 cm (including a fixed part of 75x85) including stainless steel handdels and all accessories and material for installation | 6 | unit |  |  |  |
|  |  |  |  |  |  |  |
| B | EL-01 Glass Partition at blood bank 390 cm x 325 cm, including framing and accessories (door is substracted from partition length) - Refer to Drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| C | EL-02 Glass Partition at blood bank 35 cm x 325 cm, including framing and accessories (door is substracted from partition length) - Refer to Drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| D | EL-03 Glass Partition at blood bank 35 cm x 325 cm, including framing and accessories (door is substracted from partition length) - Refer to Drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| E | EL-04 Glass Partition at blood bank 35 cm x 325 cm, including framing and accessories (door is substracted from partition length) - Refer to Drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| F | EL-05 Glass Partition at blood bank 25 cm x 325 cm, including framing and accessories (door is substracted from partition length) - Refer to Drawings | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| G | EL-06 Glass Partition at blood bank 190 cm x 325 cm, including framing and accessories (door is substracted from partition length) - Refer to Drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
| H | GD-02 Automatic Glass Doors at blood bank 85 cm x 250 cm (including a fixed part of 75x85) including automatic sliding mechanism and all requiremenets, stainless steel handdels and all accessories and material for installation | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
|  | *At Third Floor* |  |  |  |  |  |
|  |  |  |  |  |  |  |
| I | EL-12 - Interior Glass Partition 220 x 275 (door is substracted from partition length) | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| J | EL-13 - Interior Glass Partition 40 x 275 (door is substracted from partition length) | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| I | GD-04 - Interior Glass door inside interior Partitions 85 cm x 230 cm plus upper fix part 45cm x 85 cm | 2 | Unit |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 3 | **ALUMINUM COMPOSITE PANELS (ACP) (0881)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Alucubond Detail capping and gutter detail as per drawings (third floor added roof edges and lower terrace added shelter edges), by Alucobond Germany or approved equal, including subbase fixations, corner and end bends, shims, and all necessary fixing materials and accessories - Refer to detail in drawings | 45 | lm |  |  |  |
|  |  |  |  |  |  |  |
| 4 | **WOOD DOORS (0802)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Wood doors, 45mm thick in 2 layers of 10mm thick MDF **(Unless indicated bellow)** , finished in glossy white, including box-shape frame with rebates, stainless steel accessories, lever handles, Europrofile double cylinder, finish, hardware, and all necessary accessories; as detailed on drawings. Includes neccessary steel works and painting of all elements to match existing doors. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | WD-000 MAIN ENTRANCE DOOR - **Natural Solid Wood (Red Cedar)** Painted Red RAL 3001 - Reinforced with steel plates including Electric Lock, Embedded door closer, original hinges - handle to be treated and painted - Door Design as per existing- | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| B | WD-002 INTERIOR 85 CMS - Refer to door schedule & drawings for details | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| C | WD-003 INTERIOR 90 CMS - Refer to door schedule & drawings for details | 2 | unit |  |  |  |
|  |  |  |  |  |  |  |
| D | WD-006 INTERIOR WC 80 CM - Refer to door schedule & drawings for details | 4 | unit |  |  |  |
|  |  |  |  |  |  |  |
| E | WD-007 INTERIOR 90 CMS - Refer to door schedule & drawings for details | 6 | unit |  |  |  |
|  |  |  |  |  |  |  |
| F | Electrical Room Door - Similar to WD-002- Refer to door schedule & drawings for details | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| G | Core entrance door to third floor in **Natural Solid Wood (Red Cedar)** - Design to be similar to Main Doors WD-001- Refer to door schedule & drawings for details | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
| **5** | **WOODAND GLASS WINDOWS (0885)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Wood and glass doors and windows, in natural solid wood -Red Cedar- **(Unless Indicated bellow)** , 8mm tempered glass finished in glossy white, including box-shape frame with rebates, stainless steel accessories, lever handles, finish, hardware, and all necessary accessories; as detailed on drawings. Includes neccessary steel works and painting of all elements to match existing windows. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Wooden red shutters in **Natural Solid Wood (Red Cedar)** , similar to existing shutters (Refer to site and drawings) , including all original accessories, painted in Red RAL 3001 | 12 |  |  |  |  |
|  |  |  |  |  |  |  |
| B | Circular Openable Windows **Natural Solid Wood (Red Cedar)** in first floor including frame and glass 8 mm | 3 | unit |  |  |  |
|  |  |  |  |  |  |  |
| C | Electrical Room Window - **Natural Solid Wood (Red Cedar)** Design similar to WD-001 - Final dimensions to be checked on site | 1 | unit |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **6** | **MIRRORS (0895)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | 6 mm thick polished plate glass mirrors with polished edges, fixed on and including 6 mm thick MDF backing, with Led Light IP65, including all necessary fixing accessories; as shown on drawings. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | For all bathrooms, size 600 mm wide x 1200 mm high, fixed flush with tiling | 5 | unit |  |  |  |
|  |  |  |  |  |  |  |
| B | For Loacker Room, size 45 mm wide x 300 mm high, fixed to wood | 2 | unit |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |

## Lot 9 Finishes

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit Price | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 1 | **PORTLAND CEMENT PLASTER (9200)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Ready mix cement and sand plastering including stops and metal corner beads; as specified and as shown on drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | All walls and ceilings plastering to be straight and plumbed and even "على الودع" in a 3 coats system of: first coat: sprayed coat. Second coat: straightening coat "مجرح". Third coat: smooth finish. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | **Crack Treatement on All Elevation** : Chipping of the loose plaster around all the cracks, add resine primer, resine mesh then crack repair and fill with Resine based material- SIKA or equivalent | 1 | Provisional Sum |  |  |  |
|  |  |  |  |  |  |  |
| B | To Interior walls | 402 | m² |  |  |  |
|  |  |  |  |  |  |  |
| C | To Interior Walls (Blood Bank) | 210 | m² |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 2 | **GYPSUM BOARD (9250)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | 13 mm thick waterproof gypsum board suspended ceiling system by Knauf or approved equal, including solid 8 mm rods suspension system, with 40cm studs including mesh and putty, supports, omegas, tracks, angles, corner beads, anchor bolts, channels, reinforcement, grooves, shadow gaps and all necessary fixing accessories; as shown on drawings (painting measured separately) including associated ends, coves, returns, edge accessories, closures, reinforcements and grooves for lighting, grilles, and spot diffusers, and coring for spot lights - including 1 cm joint with wall |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Gypsum Board Partitions 15cm thick (double layer of gypsum from each side with insulation as follows: 2 layers of gypsum + structure and Insulation + 2 layers of gypsum) iwith all necessary accessories and structural elements. | 33 | m² |  |  |  |
|  |  |  |  |  |  |  |
| B | Gypsum Ceiling at varying heights from concrete level - Refer to ceiling plans | 203 | m² |  |  |  |
|  |  |  |  |  |  |  |
| C | Gypsum Ceiling at varying heights from concrete level (Common Areas)- Refer to ceiling plans | 37 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| D | Gypsum Ceiling at varying heights from concrete level (Blood Bank)- Refer to ceiling plans | 80 | m² |  |  |  |
|  |  |  |  |  |  |  |
| E | Indirect Detail in Gypsum Ceiling- Refer to ceiling plans | 127.5 | lm |  |  |  |
|  |  |  |  |  |  |  |
| F | Indirect Detail in Gypsum Ceiling (Blood Bank)- Refer to ceiling plans | 12 | lm |  |  |  |
|  |  |  |  |  |  |  |
| G | Streched Ceiling Barilux or Equivalent with all required accessories at third floor - Refer to ceiling plans | 90 | m² |  |  |  |
|  |  |  |  |  |  |  |
| H | Indirect in Streched Ceiling at Third Floor - Refer to ceiling plans | 20 | lm |  |  |  |
|  |  |  |  |  |  |  |
| I | Gypsum Decorative Colored Acoustic Ceiling 120x120 in the Bedrooms - Knauf danoline stratopanel 1200x1200mm with random perforations, absorbtion rate of 0.50 aw and A2 firerating - or Equivalent with all required accessories- Refer to ceiling plans | 95 | m² |  |  |  |
|  |  |  |  |  |  |  |
| J | 60 x 60 Ceiling - for Technical areas - Knauf PVC Laminated Ceiling Tiles -moisture resistant- or Equivalent with all required accessories - Refer to ceiling plans | 31 | m² |  |  |  |
|  |  |  |  |  |  |  |
| K | Blood Bank: 60 x 60 Ceiling - for Technical areas - Knauf PVC Laminated Ceiling Tiles -moisture resistant- or Equivalent with all required accessories - Refer to ceiling plans | 7.00 | m² |  |  |  |
|  |  |  |  |  |  |  |
| L | Decorative Gypsum Wall 10 cms with all necessary accessories and structure (Continuity of L shape Ceiling) in VHS Room - Refer to drawings | 10 | m² |  |  |  |
|  |  |  |  |  |  |  |
| M | Gypsum Cover for Beam in First Floor Mezanine area with safety markings and indication for low clearance - Refer to ceiling plans | 5 | m² |  |  |  |
|  |  |  |  |  |  |  |
| N | Gypsum ceiling for balcony bottoms (Suitable for exterior)- Removal and reinstallation following architect's design | 14 | m² |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Access panels, made out of 18 mm MDF panels painted to match adjacent false ceiling, with height from concrete to match adjacent false ceiling |  |  |  |  |  |
|  |  |  |  |  |  |  |
| O | Various sizes - Refer to Mechanical drawings | 6 | units |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 3 | **ACOUSTICAL PANELS (0980)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Gypsum Decorative Colored Acoustic Wall cladding in the **Bedrooms** - Knauf danoline stratopanel 1200x2500mm with random perforations, absorbtion rate of 0.50 aw and A2 firerating - or Equivalent with all required accessories- Refer to plans | 50 | m² |  |  |  |
|  |  |  |  |  |  |  |
| B | Gypsum Decorative Colored Acoustic Wall cladding in the **Meeting rooms and Third floor Multipurpose area** - Knauf danoline stratopanel 1200x2500mm with random perforations, absorbtion rate of 0.50 aw and A2 firerating - or Equivalent with all required accessories- Refer to plans | 85 | m² |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 4 | **MARBLE FLOORING (0920)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Pre-polished solid Bianco Carrara and Nero Marquina marble tiles floor **according to the Same pattern of the Main hall (Shop drawing to be presented)** tiles including associated corresponding glue, grooving, grouting, pointing, as specified and as shown on drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Tiling Type T9 - Marble Tiles cut to size - refer to drawings -according to the Same pattern of the Main hall (Shop drawing to be presented) to floors | 25 | m² |  |  |  |
|  |  |  |  |  |  |  |
| B | Tiling Type T9 - Marble Tiles cut to size - refer to drawings - skirting = 8cm | 24 | lm |  |  |  |
|  |  |  |  |  |  |  |
| C | Threshhold at main hall doors and arch elevations 120 x 25 cms (refer to drawings) in both floors - Black Nero Marquina or equivalent | 18 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| D | Repair, replace damaged and polish marble in Main Halls and balconies Area as existing marble (Bianco Carrara and Nero Marquina marble) including all needed accessories - contractor to check site and map damages and price accordingly. | 120 | m² |  |  |  |
|  |  |  |  |  |  |  |
| **5** | **CERAMIC TILE (0930)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Ceramic floor and wall tiles, including cement and sand mortar, MAPEI grouting and pointing; as shown on drawings/finishing schedule |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Tiling Type T1- Ceramic Tiles 60x120 - to floors | 93 | m² |  |  |  |
| A' | Tiling Type T1- Ceramic Tiles 60x120 - skirting h=8cm | 67 | lm |  |  |  |
|  |  |  |  |  |  |  |
| B | Tiling Type T2- Ceramic Tiles 60x120 - to floors | 17 | m² |  |  |  |
| B' | Tiling Type T2- Ceramic Tiles 60x120 - skirting h=8cm | 24 | lm |  |  |  |
|  |  |  |  |  |  |  |
| C | Blood Bank - Tiling Type T2- Ceramic Tiles 60x120 - to floors | 90 | m² |  |  |  |
| C' | Blood Bank - Tiling Type T2- Ceramic Tiles 60x120 - skirting h=8cm | 70 | lm |  |  |  |
|  |  |  |  |  |  |  |
| D | Tiling Type T3- Ceramic Tiles 60x120 - to floors | 16 | m² |  |  |  |
| D' | Tiling Type T3- Ceramic Tiles 60x120 - to walls | 90 | m² |  |  |  |
|  |  |  |  |  |  |  |
| E | Blood Bank - Tiling Type T3- Ceramic Tiles 60x120 - to floors | 3 | m² |  |  |  |
| E' | Blood Bank - Tiling Type T3- Ceramic Tiles 60x120 - to walls | 21 | m² |  |  |  |
|  |  |  |  |  |  |  |
| F | Tiling Type T4- Ceramic Tiles 60x120 - to floors | 82 | m² |  |  |  |
| F' | Tiling Type T4- Ceramic Tiles 60x120 - skirting h=8cm | 60 | lm |  |  |  |
|  |  |  |  |  |  |  |
| G | Tiling Type T4 - Ceramic Tiles 60x120 **costum cut with Terrazo inserts** and lighting- refer to third floor plan- to floors | 18 | m² |  |  |  |
|  |  |  |  |  |  |  |
| H | Tiling Type T5- Ceramic Tiles 60x120 - to floors | 13 | m² |  |  |  |
| H' | Tiling Type T5- Ceramic Tiles 60x120 - skirting h=8cm | 15 | lm |  |  |  |
|  |  |  |  |  |  |  |
| I | Tiling Type T6- Ceramic Tiles 60x120 - to floors | 95 | m² |  |  |  |
| I' | Tiling Type T6- Ceramic Tiles 60x120 - skirting h=8cm | 65 | lm |  |  |  |
|  |  |  |  |  |  |  |
| J | Clean, Reconstitute missing pieces, and Polish tiling at entrance areas and stairs including all needed accessories and requirements | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| K | Add anti-slippery rubber for all steps in the main staircase | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| L | Fix and Polish Existing tiles in VHS Room , including all needed accessories and requirements | 22 | m² |  |  |  |
|  |  |  |  |  |  |  |
| M | Fix and Polish Existing tiles in SDS and Chargee, including all needed accessories and requirements | 22 | m² |  |  |  |
|  |  |  |  |  |  |  |
| N | Polish Exterior Terrace Tiling | 80 | m² |  |  |  |
|  |  |  |  |  |  |  |
| **6** | **TERRAZZO MOSAIC TILING (0940)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Terrazzo flooring Old style gemayze real mosaic tiles, including all needed accessories and requirements |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Tiling Type T8- Terazzo Tiles 20x20 - to floors | 130 | m² |  |  |  |
|  | Option 1: Old Gemayze refurbished or equivalent |  |  |  |  |  |
|  | Option 2: Chaaya tiles replicating old style gemayze or equivalent |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A' | Tiling Type T8- Terazzo Tiles 20x20 - skirting h=8cm | 124 | lm |  |  |  |
|  | Option 1: Old Gemayze refurbished or equivalent |  |  |  |  |  |
|  | Option 2: Chaaya tiles replicating old style gemayze or equivalent |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **TERRAZZO MOSAIC POLISHING (0941)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| B | Polish all terrazzo tiles at least 15 days after installation to have a smooth finish | 130 | m² |  |  |  |
|  |  |  |  |  |  |  |
| **7** | **VINYL FLOORING (0960)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply and install Vinyl Flooring and skirting. Skirting 8cm, with associated cant strips at intersection between floor and wall. Including all necessary glue and accessories |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Vinyl Type T7- Vinyl Tiles 20x20 - to floors | 114 | m² |  |  |  |
| A' | Vinyl Type T7- Vinyl Tiles 20x20 - skirting h=8cm | 92 | lm |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 8 | **CARPET (0965)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply and install floor mat, laid in floor recess; as shown on drawings |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Black terra entrance 3M mat, cut to size (5 units) | 7 | m² |  |  |  |
|  |  |  |  |  |  |  |
| 9 | **PAINTING (0990)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Prepare and apply water based full acrylic emulsion paint ≈or oil based (as indicated below), **Tinol or Equivalent,** colors as per finishing schedule (contractor to present samples to architect), including undercoat primer, 3 or more coats of putty until a smooth finish is achieved, and 3 finishing coats, by TINOL paints or approved equal. **Paint to follow medical standards in all Blood bank and Medical Areas** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **To Walls** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | To added CMU walls (Over Plaster) | 402 | m² |  |  |  |
|  |  |  |  |  |  |  |
| B | To added CMU Walls (Over Plaster) (Blood Bank) | 210 | m² |  |  |  |
|  |  |  |  |  |  |  |
| C | To added Gypsum walls (including perforated acoustic gypsum panels) | 245 | m² |  |  |  |
|  |  |  |  |  |  |  |
| D | To Exsisting Walls | 1,073 | m² |  |  |  |
|  |  |  |  |  |  |  |
| E | To Existing Walls (Blood Bank) | 290 | m² |  |  |  |
|  |  |  |  |  |  |  |
| F | To Existing Walls (Entrance, Stairs, exterior storage areas, electrical room and some other common areas) - Heavy duty Oil paint with matte finishing (Common Areas) | 443 | m² |  |  |  |
|  |  |  |  |  |  |  |
| G | To Lower Terrace walls including the backside wall and the newly constructed wall - Maplexine or equivalent | 40 | m² |  |  |  |
|  |  |  |  |  |  |  |
|  | **To Ceilings** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| H | To Ceilings (Plaster) - Kitchen area, Server room and storage Mezzanine at first floor | 52 | m² |  |  |  |
|  |  |  |  |  |  |  |
| I | To Ceilings (Plaster) - Stairs Bottom, Electrical Room (Common Area) | 40 | m² |  |  |  |
|  |  |  |  |  |  |  |
| J | To Gypsum board suspended ceilings, bulkheads and light coves (including perforated acoustic gypsum boards) | 325 | m² |  |  |  |
|  |  |  |  |  |  |  |
| K | To Gypsum board suspended ceilings, bulkheads and light coves (Blood Bank) | 80 | m² |  |  |  |
|  |  |  |  |  |  |  |
| L | To Gypsum board suspended ceilings, bulkheads and light coves (Common Areas) | 37 | m² |  |  |  |
|  |  |  |  |  |  |  |
| M | Water repellent paint for all interior Ramle walls -SIKA Natural Stone Treatment or equivalent- | 200 | m² |  |  |  |
|  |  |  |  |  |  |  |
| O | Treat all wooden slabs againt Termite and Fungus with proper material (to provide long-lasting protection from damage caused by wet rot, dry rot, decay and fungi) then apply two layers of Varnish | 225 | m² |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **10** | **Exterior Elevation Finishing** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Prepare the Elevations surfaces by Sanding and cleaning all the elevations and all connections (Including all openings, windows and arches…) | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| C | Clean and Sand all façade elements (Corniches and Decorative elements) | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| D | Apply water reppelant material over all the elevations and especially at all the connections (Including all openings, windows and arches…) | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| E | Apply Exterior water based full acrylic emulsion paint MAPLEXINE or equivalent for all the Elevations, Colors to be selected by architect, including undercoat primer, 3 or more coats of putty until a smooth finish is achieved, and 3 finishing coats. | 1,135 | m² |  |  |  |
|  |  |  |  |  |  |  |
| F | Apply Exterior water based full acrylic emulsion paint MAPLEXINE or equivalent for all the Corniches or Decorative elements, Colors to be selected by architect, including undercoat primer, 3 or more coats of putty until a smooth finish is achieved, and 3 finishing coats. Color Might Differ from Elevation | 1 | LS |  |  |  |
| G | Façade Lighting cabling / preperation for exterior lighting fixtures - Refer to Electrical division for details | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| H | Prepare surface for Graffity Artwork by george kendakji - ensure proper support for graffity by plastering and first layer putty on walls, and applying proper material on Metallic shutters to ensure uniformity | 36 | m2 |  |  |  |
|  |  |  |  |  |  |  |
| **11** | **SANITARY SELECTION** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Toilet Seats Wall Mounted- Duravit stark II | 5 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| B | Sinks Surface Mounted - Hans Grohe or equivalent | 4 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| C | Sinks Wall Mounted - Hans Grohe or equivalent | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| D | Mixer Surface Mounted - Hans Grohe or equivalent | 4 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| E | Mixer Wall Mounted - Hans Grohe or equivalent | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| F | Shower - 30 cms Rain shower - Hans Grohe or equivalent | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| G | Main Kitchen Sink | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| H | Main Kitchen Mixer | 1 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| I | Kitchenttes Sink embedded within corian tops | 2 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| J | Kitchenettes Mixer | 2 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| K | Sinks at Blood Bank and SDS (Medical) embedded within corian tops | 4 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| L | Mixers at Blood Bank and SDS (Medical) | 4 | Unit |  |  |  |
|  |  |  |  |  |  |  |
| **12** | **ROOF TILES** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A | Roof Tiles Type "Abeille de Marseilles" or equivalent | 25 | m2 |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |

## Lot 9 Mechanical

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit Price | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **PLUMBING** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **VALVES** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 1.a | Supply and installation of concealed chrome plated valve including all accessories, 25 mm diameter, (3/4"). | 6 | U |  |  |  |
| 1.b | Supply and installation of concealed chrome plated valve including all accessories, 25 mm diameter, (3/4"). | 8 | U |  |  |  |
| 2 | Isolating Ball Valve 1" diam | 1 | U |  |  |  |
| 3 | Motorized valve, 1" suitable for irrigation | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply & Installation of sanitary fixtures, including all piping & accessories required for the good of working inside toilets |  |  |  |  |  |
| 4.a | WC | 1 | U |  |  |  |
| 4.b | WC | 4 | U |  |  |  |
| 5.a | Lav | 1 | U |  |  |  |
| 5.b | Lav | 4 | U |  |  |  |
| 6 | Walk in Shower | 1 | U |  |  |  |
| 7.a | Kitchen sink | 2 | U |  |  |  |
| 7.b | Kitchen sink | 3 | U |  |  |  |
| 8.a | Towel Holder | 1 | U |  |  |  |
| 8.b | Towel Holder | 4 | U |  |  |  |
| 9.a | Paper Dispenser | 1 | U |  |  |  |
| 9.b | Paper Dispenser | 4 | U |  |  |  |
|  |  |  |  |  |  |  |
|  | **WATER DISTRIBUTION PIPING** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply and installation of Polypropylene pipes- PN-20 with aluminium foil or ring for cold and hot water . |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **For domestic cold, hot and irrigation water pipes.** |  |  |  |  |  |
| 10.a | Ditto, 25 mm diameter, (3/4"). | 20 | m |  |  |  |
| 10.b | Ditto, 25 mm diameter, (3/4"). | 70 | m |  |  |  |
| 11 | Ditto, 32 mm diameter, (1"). | 40 | m |  |  |  |
|  |  |  |  |  |  |  |
| 12 | Lumpsum amount for replacement of all rusted accessories installed on lifting pump line and installation of necessary elbows on the PEX line , replace all black steel fittings with pex or galvanized steel ones | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 13 | Relocation of existing water tank (2x2000L) in roof to top of roof including extention of pipes, supply & installation of related valves, accessories | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 14 | Supply & installation of PE water tank 100L for solar system make up water including steel structure as indicated in drawing | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  | **Solar System required for heating a double coil 300L Hot Water Storage Tank** |  |  |  |  |  |
| 15 | Supply only for necessary solar panels , wiring between controler, HWT and Panels | 1 | U |  |  |  |
| 16 | Cicrulating pump | 1 | U |  |  |  |
| 17 | Controller + 2 sensors | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  | **Installation of solar system for hot water** |  |  |  |  |  |
| 18 | Installation only for the above solar panels, including circulating pump accessories required for the operation of the complete system, controler, wiring between controler, HWT and Panels (Approx 60 meters of pex aluminum piping + Insulation with weather protection | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **Drainage piping** |  |  |  |  |  |
| 19 | PVC pipe Ø110 | 35 | m |  |  |  |
| 20 | PVC pipe Ø75 | 11 | m |  |  |  |
| 21 | PVC pipe Ø50 | 31 | m |  |  |  |
| 22.a | Pressure PVC pipe Ø25 + foam insulation where exposed for AC drain | 10 | m |  |  |  |
| 22.b | Pressure PVC pipe Ø25 + foam insulation where exposed for AC drain | 55 | m |  |  |  |
| 23.a | FD Ø75 | 1 | U |  |  |  |
| 23.b | FD Ø75 | 6 | U |  |  |  |
| 24.a | FCO Ø110 | 1 | U |  |  |  |
| 24.b | FCO Ø110 | 4 | U |  |  |  |
|  |  |  |  |  |  |  |
| 25 | Check up, clean and maintain all rain water **manholes** in GF including conduiting to main network | 2 | U |  |  |  |
|  |  |  |  |  |  |  |
| 26 | Check up and clean RW piping running in GF and connected to municipality; to check slope, supports, general condition and connection to municipality (Approx 12 meters) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 27 | Supply & installation of Cast iron gutter 20x15cm, L=4m ; to be installed on the road in front of the building entrance . Client to provide authorization from municipality to do the excavation works on the sidewalk | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 28 | PVC pipe Ø125, price to include excavation, backfilling and tiling with connection to existing municipality main ( Approx 10 meters ) | 1 | m |  |  |  |
|  |  |  |  |  |  |  |
|  | **HEATING** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | **Supply & installation of new aluminum radiators H=60cm (Entraxe=60cm)** |  |  |  |  |  |
| 29 | R6 | 1 | U |  |  |  |
| 30 | R6 | 1 | U |  |  |  |
| 31 | R9 | 1 | U |  |  |  |
| 32 | R10 | 2 | U |  |  |  |
| 33 | R12 | 1 | U |  |  |  |
| 34 | R13 | 1 | U |  |  |  |
| 35 | R14 | 1 | U |  |  |  |
| 36 | R20 | 2 | U |  |  |  |
|  |  |  |  |  |  |  |
| 37.a | Relocation of existing radiators, including dismantling, installation in new location, dismantling of tiles and tiling where needed | 1 | U |  |  |  |
| 37.b | Relocation of existing radiators, including dismantling, installation in new location, dismantling of tiles and tiling where needed | 5 | U |  |  |  |
|  |  |  |  |  |  |  |
| 38.a | Supply & installation of Ø25 PPR heating piping. Price to include dismantling existing pipes and removal of existing including debris where applicable and carrying out | 20 | m |  |  |  |
| 38.b | Supply & installation of Ø25 PPR heating piping. Price to include dismantling existing pipes and removal of existing including debris where applicable and carrying out | 80 | m |  |  |  |
| 39 | Ditto for Ø32 PPR heating pipes. | 30 | m |  |  |  |
| 40 | Ditto for Ø40 PPR heating pipes with 13cm polyefin insulation and protection | 52 | m |  |  |  |
|  |  |  |  |  |  |  |
| 41 | Replacment of existing HWT with new one vertical HWT 300L, with boiler and solar coils, electrical heat resistance 3 KW, including all valves, control valves, accessories and fittings needed | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 42 | Dismantling and installation of boiler chimney breeching inside the boiler room with 15% slope, insulation & waterproofing with flange for the exit to outdoor area | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 43 | Supply and installation of cleaning cap for boiler chimney | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 44 | Cleaning of all the boiler's chimney from corrosion and rust, paiting with primer, anticorrosion, supply and installation of rockwool insulation and aluminum jacketing; Ø20cm L=15meters | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 45 | Supply and installation of ABC powder Automatic fire extinguisher for boiler room | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 46 | Relocation of boiler's fuel tank from boiler room to outside as indicated on the drawing, including necessary piping, valves in addition of steel shelter to cover the tank from direct sunrays & rain, sleeves, waterproofing for connection between indoor & outdoor piping | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  | **HVAC** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 47.a | General check up on existing AC units, including filter cleaning, refrigerant filling if needed, spare parts where needed, to assure the good functioning of the units | 3 | U |  |  |  |
| 47.b | General check up on existing AC units, including filter cleaning, refrigerant filling if needed, spare parts where needed, to assure the good functioning of the units | 19 | U |  |  |  |
|  |  |  |  |  |  |  |
| 48.a | Move existing AC units to new locations as indicated in the drawings, including extensions of refrigerant copper pipes, replacement of control cables, and condensate drain pipe | 3 | U |  |  |  |
| 48.b | Move existing AC units to new locations as indicated in the drawings, including extensions of refrigerant copper pipes, replacement of control cables, and condensate drain pipe | 5 | U |  |  |  |
|  |  |  |  |  |  |  |
| 49 | Move existing AC outdoor units on Roof to another location | 5 | U |  |  |  |
|  |  |  |  |  |  |  |
|  | **Supply wall type heat pump DX units** |  |  |  |  |  |
| 50 | 9000 btu/h | 2 | U |  |  |  |
| 51 | 12000 btu/h | 5 | U |  |  |  |
| 52 | 18000 btu/h | 2 | U |  |  |  |
| 53 | 24000 btu/h | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  | **Installation of wall type AC units** |  |  |  |  |  |
| 54 | 9000 btu/h | 2 | U |  |  |  |
| 55 | 12000 btu/h | 5 | U |  |  |  |
| 56 | 18000 btu/h | 2 | U |  |  |  |
| 57 | 24000 btu/h | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 58.a | Supply & installation of copper pipes for 9000 & 12000 BTU/h | 30 | m |  |  |  |
| 58.b | Supply & installation of copper pipes for 9000 & 12000 BTU/h | 85 | m |  |  |  |
| 59 | Supply & installation of copper pipes for 24000 BTU/h | 8 | m |  |  |  |
|  |  |  |  |  |  |  |
| 60.a | Supply & Installation of Wall type fan 50CFM, including sleeve 5" in wall, wire mesh and backdraft damper | 1 | U |  |  |  |
| 60.b | Supply & Installation of Wall type fan 50CFM, including sleeve 5" in wall, wire mesh and backdraft damper | 2 | U |  |  |  |
|  | Supply and installation of inline fan for exhaust air ; 50CFM | 1 | U |  |  |  |
|  | Supply & installation of galvanized duct sheet for ventilation | 40 | Kg |  |  |  |
|  |  |  |  |  |  |  |
|  | **Supply & Installation of exhaust louver wish wire mesh** |  |  |  |  |  |
| 61.a | 15x15cm | 1 | U |  |  |  |
| 61.b | 15x15cm | 3 | U |  |  |  |
| 62 | 25x20cm | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 63 | Supply and installation of inline fan for exhaust; 200CFM | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 64 | Supply & installation of galvanized duct sheet for ventilation | 70 | Kg |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply & installation of exhaust grille |  |  |  |  |  |
| 65.a | 15x15cm | 1 | U |  |  |  |
| 65.b | 15x15cm | 1 | U |  |  |  |
| 66 | 20x20cm | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  | **Cold Room** |  |  |  |  |  |
|  | Supply & installation of complete cold room for the blood bank including but not limitted to |  |  |  |  |  |
|  | Assembly made of modular panels, with double action fasteners |  |  |  |  |  |
|  | Galvanized steel cladding with non-toxic PVC coating |  |  |  |  |  |
|  | Injected polyurethane insulation, density 40 kg/m³with thermal conductance 0.0208W/mK, 10cm thick with edges mades of PVC extrusion |  |  |  |  |  |
|  | Reinforced plywood floor |  |  |  |  |  |
|  | Pivoting panel door with a free passage of 95cm x187cm internal safety release locks and heaters (MISA or equivalent) |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Condensing Units : Copeland or equivalent, Semi-Hermetic Compressor R404a (made in Europe) @ -25c evaporating + 50c condensing temperature 1.76Kw.  Air Cooled Condenser (made in Europe) with fan (Ziehl-Abegg or equivalent).  Low Temp. Use-380/420V-3Ph-50Hz. |  |  |  |  |  |
|  | Including Filter drier, Sight glass, Dual pressure control, Liquid indicator, solenoid valve, Expansion valve, Receiver, Suction line filter, Suction accumulator, Vibration eliminators, Copper tubing and insulation material. |  |  |  |  |  |
|  | Evaporating Unit: Cubic Type evaporator ( FRIGA Bohn or equivalent ) @ DT7=3.03kW.  2 x Fans 30cm 230V/1Ph/50hz. Surface 12m2. Air throw 12m. Air Flow 2075 m3/h Electric Heaters total 3000w 230V/1Ph/50Hz. |  |  |  |  |  |
|  | Electric Control Panel Board: to include: Enclosure, Danfoss EKC Controller (or equivalent), Circuit breaker (main), Circuit breaker for each compressor. Circuit breaker for each condenser fan motor, Circuit breaker for each evaporator three phased, Circuit breaker for evaporator defrost element. Circuit breaker for control circuits, Thermal relay for compressors, Contactors for compressors, Contactors for each evaporator, Contactors for evaporator defrost element, Contactors for each fan motor, Timer for delay of compressor start, Switch on-off for manual stoppage, Witness lights used with explanatory labels and all necessary items for the completion of the system control |  |  |  |  |  |
|  | Lighting lamp interlocked with room door, 150cm wp LED 50W, 6000 lm output similar to Glamox MIR-1200 |  |  |  |  |  |
| 67 | Total amount for the works in cold room | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |

## Lot 16 Electrical

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Description | Qty. | Unit | Unit Price | VAT Rate | **Total Price Including VAT** |
|  |  |  |  |  |  |  |
| **16.1** | **WIRES AND CABLES** |  |  |  |  |  |
|  | As shown on drawings, including terminal and junction boxes, sealing compounds, fixing materials, all necessary accessories, including empty conduits when used. **HOT DIP GALVANISED (Cables Similar to "Cables de Liban" or Approved Equal, Cable Trays Similar To FEMI or Approved Equal)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.1.1 | (4x35) mm2 NEW LOCATION OF GENERATOR TO ATS | 45 | Lm |  |  |  |
| 16.1.2 | 20 CM Cable Tray+COVER | 45 | Lm |  |  |  |
| 16.1.3 | (4x16)mm2+E=16mm FROM MDB TO PB-1F | 35 | Lm |  |  |  |
| 16.1.4 | (4x16)mm2+E=16mm mm2 FROM MDB TO PB-2F | 45 | Lm |  |  |  |
| 16.1.5 | (4x10)mm2+E=10mm mm2 FROM MDB TO PB-ROOF | 50 | Lm |  |  |  |
| 16.1.6 | (4x6)mm2+E=6mm FROM PB-2F TO PB-UPS-2F | 10 | Lm |  |  |  |
| 16.1.7 | Relocation of the generator including the relocation of its exhaust pipe. Dismantling all fuel pipes, power & control cables & installing them again, including all accessories needed. | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| **16.2** | **BOXES** |  |  |  |  |  |
|  | **Outlet Boxes :** |  |  |  |  |  |
|  | Supplied, Installed and Connected Including all Fire retardant rigid heavy gauge conduits **(Unmodified rigid PVC conduits shall conform to NFC 68107 and to IEC code, Gray IRO type. Conduits shall be resistant to heat, suitable for a continuous service temperature of 70 C, and shall be fire retardant and watertight - Similar to Decoduct Or Approved Equal)**, all cables, conductors **(Similar to "Cables Du Liban" Or Approved Equal)**, junction, derivation and outlet boxes **(outlet boxes shall be made of high impact PVC, These boxes shall be constructed so as to prevent contact between the conductors in the box and the supporting screws.)**, including all necessary connections and accessories. **Disconnect Switches Should Be IP66 Polycarbonate AC23 Rating Similar To ABB** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.2.1 | Monophase Outlet 16A/250V For WC Fan. | 4 | U |  |  |  |
| 16.2.1' | Monophase Outlet 16A/250V For WC Fan. | 1 | U |  |  |  |
| 16.2.2 | Empty Conduit Connection For Solar Panels On Roof As shown on Drawings | 1 | Item |  |  |  |
| 16.2.3 | Monophase Outlet 16A/250V For Fan in Boiler Room | 1 | U |  |  |  |
| 16.2.4 | Monophase Outlet 16A/250V For AC | 23 | U |  |  |  |
| 16.2.4' | Monophase Outlet 16A/250V For AC | 8 | U |  |  |  |
| 16.2.5 | Outlet 25A/380V For fridge room | 1 | U |  |  |  |
| 16.2.6 | Monophase Outlet 16A/250V For BOILER | 1 | U |  |  |  |
| 16.2.7 | Monophase Outlet 16A/250V For LIFTING PUMP | 1 | U |  |  |  |
| 16.2.8 | Monophase Outlet 16A/250V For HOT WATER TANK | 1 | U |  |  |  |
| 16.2.9 | Monophase Outlet 16A/250V For DATA RACK | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| **16.3** | **WIRING DEVICES** |  |  |  |  |  |
|  | Purchased Installed complete with all conductors, the Rigid Heavy Gauge 1250N PVC conduits for recessed and surface mounted installation **(As specified Earlier in this B.O.Q)** from the secondary distribution switchboard to the light point or light switch or socket **(Wiring devices based on Legrand-Arteor/White)**, Confirm choice of wiring devices with the Owner Representative Before submitting any prices **(Luminaire Suppling & Installation Are Included Elsewhere). UPS sockets to be Schuko RED type 16A equipped with safety shutter** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.1 | Light point feeding a **"Type A"** Luminaire. | 14 | U |  |  |  |
| 16.3.1' | Light point feeding a **"Type A"** Luminaire. | 4 | U |  |  |  |
| 16.3.2 | Light point feeding a **"Type B"** Luminaire. | 3 | U |  |  |  |
| 16.3.3 | Light point feeding a **"Type C"** Luminaire. | 10 | U |  |  |  |
| 16.3.4 | Light point feeding a **"Type D"** Luminaire. | 36 | U |  |  |  |
| 16.3.4' | Light point feeding a **"Type D"** Luminaire. | 2 | U |  |  |  |
| 16.3.5 | Light point feeding a **"Type E"** Luminaire. | 1 | U |  |  |  |
| 16.3.6 | Light point feeding a **"Type F"** Luminaire. | 16 | U |  |  |  |
| 16.3.7 | Light point feeding a **"Type G"** Luminaire. | 12 | U |  |  |  |
| 16.3.8 | Light point feeding a **"Type H"** Luminaire. | 24 | U |  |  |  |
| 16.3.8' | Light point feeding a **"Type H"** Luminaire. | 3 | U |  |  |  |
| 16.3.8' | Light point feeding a **"Type H"** Luminaire. | 8 | U |  |  |  |
| 16.3.9 | Light point feeding a **"Type I"** Luminaire. | 6 | U |  |  |  |
| 16.3.10 | Light point feeding a **"Type J"** Luminaire. | 6 | U |  |  |  |
| 16.3.11 | Light point feeding a **"Type K"** Luminaire. | 4 | U |  |  |  |
| 16.3.12 | Light point feeding a **"Type L"** Luminaire. | 3 | U |  |  |  |
| 16.3.12' | Light point feeding a **"Type L"** Luminaire. | 1 | U |  |  |  |
| 16.3.13 | Light point feeding a **"Type M"** Luminaire. | 61 | U |  |  |  |
| 16.3.13' | Light point feeding a **"Type M"** Luminaire. | 17 | U |  |  |  |
| 16.3.14 | Light point feeding a **"Type N"** Luminaire. | 23 | U |  |  |  |
| 16.3.14' | Light point feeding a **"Type N"** Luminaire. | 11 | U |  |  |  |
| 16.3.16 | Light point feeding a **"Type EXIT"** Luminaire. | 4 | U |  |  |  |
| 16.3.16' | Light point feeding a **"Type EXIT"** Luminaire. | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.17 | Wall mounted one way light switch rated 10A/250V | 55 | U |  |  |  |
| 16.3.17' | Wall mounted one way light switch rated 10A/250V | 3 | U |  |  |  |
| 16.3.17' | Wall mounted one way light switch rated 10A/250V | 12 | U |  |  |  |
| 16.3.18 | Wall mounted TWO way light switch rated 10A/250V | 4 | U |  |  |  |
| 16.3.18' | Wall mounted TWO way light switch rated 10A/250V | 2 | U |  |  |  |
| 16.3.19 | Wall mounted Push Button rated 10A/250V used as a light switch | 3 | U |  |  |  |
| 16.3.20 | Wall mounted Motion Sensor rated 10A/250V used as a light switch | 1 | U |  |  |  |
| 16.3.21 | Wall mounted single phase EDL socket outlet (2P+E) rated 16A/250V. | 73 | U |  |  |  |
| 16.3.22 | Wall mounted single phase EDL forced socket outlet (2P+E) rated 16A/250V. | 8 | U |  |  |  |
| 16.3.23 | Wall mounted single phase UPS socket outlet (2P+E) rated 16A/250V. | 43 | U |  |  |  |
| 16.3.23' | Wall mounted single phase UPS socket outlet (2P+E) rated 16A/250V. | 6 | U |  |  |  |
| 16.3.24 | Floor Box containing Duplex Socket and 2 Data Sockets | 2 | U |  |  |  |
| 16.3.24' | Floor Box containing Duplex Socket and 2 Data Sockets | 3 | U |  |  |  |
|  |  |  |  |  |  |  |
| **16.4** | **SWITCHBOARDS** |  |  |  |  |  |
|  | Of rigid construction and of standardized manufacturer, including all circuit breakers, the on-load switches, all connections and all necessary accessories as shown on the drawings Or needed to achieve the full system functionality as requested by the engineer **(Similar To Schneider, ABB Or Eaton)**. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.4.1 | MDB+ATS (Main Panel Board) and replace the EDL couter with a new 2way counter | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.4.2 | PB-1F (Secondary Panel Board) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.4.3 | PB-2F (Secondary Panel Board) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.4.4 | PB-ROOF (Secondary Panel Board) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.4.5 | PB-UPS-1F (Secondary Panel Board) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.4.6 | PB-UPS-2F (Secondary Panel Board) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.4.7 | PB-GF (Secondary Panel Board) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.4.8 | Photo Voltaic System that produce 15 KVA with complete cabling,inverter,batteries and all the related equipmets | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| **16.5** | **UNINTERRUPTABLE POWER SUPPLY** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.5.1 | 15 KVA UPS, (3ph/3ph), with internal Batteries 60 Minutes on 75% Load. Installed complete with all needed accessories, batteries, to insure the full functionality of the UPS as required for a full Operational System. (UPS EATON Or Socomec, Batteries High Cycle AGM Type Or Approved Equal) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.5.2 | 2 KVA UPS, (1ph/1ph), with internal Batteries 10 Minutes on 70% Load. Installed complete with all needed accessories, batteries, to insure the full functionality of the UPS as required for a full Operational System. (UPS EATON Or Socomec, Batteries High Cycle AGM Type Or Approved Equal) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| **16.6** | **LIGHTING FIXTURES (SUPPLY ONLY)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Supplied As specified **(Obtain Lighting Fixture Specification From The Architect On Time Of Bidding, Only The Supply of Lighting Fixture Is Included In This Item)**, of the different types as shown on the drawings. |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.1 | Light point feeding a **"Type A"** Luminaire. | 14 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.1' | Light point feeding a **"Type A"** Luminaire. | 4 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.2 | Light point feeding a **"Type B"** Luminaire. | 3 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.3 | Light point feeding a **"Type C"** Luminaire. | 10 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.4 | Light point feeding a **"Type D"** Luminaire. | 36 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.4' | Light point feeding a **"Type D"** Luminaire. | 2 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.5 | Light point feeding a **"Type E"** Luminaire. | 6 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.6 | Light point feeding a **"Type F"** Luminaire. | 16 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.7 | Light point feeding a **"Type G"** Luminaire. | 12 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.8 | Light point feeding a **"Type H"** Luminaire. | 205 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.8' | Light point feeding a **"Type H"** Luminaire. | 8 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.8' | Light point feeding a **"Type H"** Luminaire. | 30 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.9 | Light point feeding a **"Type I"** Luminaire. | 6 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.10 | Light point feeding a **"Type J"** Luminaire. | 27 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.11 | Light point feeding a **"Type K"** Luminaire. | 4 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.12 | Light point feeding a **"Type L"** Luminaire. | 3 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.12' | Light point feeding a **"Type L"** Luminaire. | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.13 | Light point feeding a **"Type M"** Luminaire. | 61 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.13' | Light point feeding a **"Type M"** Luminaire. | 17 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.14 | Light point feeding a **"Type N"** Luminaire. | 23 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.14' | Light point feeding a **"Type N"** Luminaire. | 11 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.16 | Light point feeding a **"Type EXIT"** Luminaire. | 4 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.16' | Light point feeding a **"Type EXIT"** Luminaire. | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| **16.7** | **LIGHTING FIXTURES (INSTALLATION ONLY)** |  |  |  |  |  |
|  | As specified, of the different types as shown on the drawings, installed complete with all the metallic frame, the diffusers, the suspension, the fluorescent or fluo compact lamps, the metal halide or sodium projectors, the lamp holders, the ballasts, etc... **(In Case no luminaire will be provided an E27 lamp base & 1.5m (3x2.5 mm2) cable from the luminaire outlet down to the lamp base are to be included in the price) (ONLY INSTALLATION OF LUMNINAIRES IS INCLUDED IN THE FOLLOWING)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.1 | Light point feeding a **"Type A"** Luminaire. | 14 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.1' | Light point feeding a **"Type A"** Luminaire. | 4 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.2 | Light point feeding a **"Type B"** Luminaire. | 3 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.3 | Light point feeding a **"Type C"** Luminaire. | 10 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.4 | Light point feeding a **"Type D"** Luminaire. | 36 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.4' | Light point feeding a **"Type D"** Luminaire. | 2 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.5 | Light point feeding a **"Type E"** Luminaire. | 6 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.6 | Light point feeding a **"Type F"** Luminaire. | 16 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.7 | Light point feeding a **"Type G"** Luminaire. | 12 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.8 | Light point feeding a **"Type H"** Luminaire. | 205 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.8' | Light point feeding a **"Type H"** Luminaire. | 8 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.8' | Light point feeding a **"Type H"** Luminaire. | 30 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.9 | Light point feeding a **"Type I"** Luminaire. | 6 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.10 | Light point feeding a **"Type J"** Luminaire. | 27 | Lm |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.11 | Light point feeding a **"Type K"** Luminaire. | 4 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.12 | Light point feeding a **"Type L"** Luminaire. | 3 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.12' | Light point feeding a **"Type L"** Luminaire. | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.13 | Light point feeding a **"Type M"** Luminaire. | 61 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.13' | Light point feeding a **"Type M"** Luminaire. | 17 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.14 | Light point feeding a **"Type N"** Luminaire. | 23 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.14' | Light point feeding a **"Type N"** Luminaire. | 11 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.16 | Light point feeding a **"Type EXIT"** Luminaire. | 4 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.3.16' | Light point feeding a **"Type EXIT"** Luminaire. | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| **16.8** | **TELEPHONE SYSTEM & DATA SYSTEM** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | As shown on drawings, supplied, installed, connected and tested, complete including conduits, boxes, conductors, junction, derivation and outlet boxes, connectors, The outlet socket cover and all accessories. **(Wiring devices based on 3M Volition CAT6, Wiring Based On 3M Volition LSZH CAT6). Active Components Are Excluded** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.8.1 | MDF 20 Pair, Including 5 Pair Main telephone cable to Ogero Box | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.8.2 | Wall mounted RJ45 Data/Telephone socket outlet | 33 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.8.2' | Wall mounted RJ45 Data/Telephone socket outlet | 20 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.8.3 | LOW CURRENT junction Box | 2 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.8.4 | Wall mounted Data cabinet with all needed accessories, conduits,switches, patch panels… | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **16.9** | **TELEVISION SYSTEMS** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply, install and connect the following TV Sockets & Splitters including surge arrestor, internal conduiting and cabling back to respective cabinets, Pull Boxes, Empty Boxes, Empty Conduits, Shaft Conduits and Connection accessories,etc.. and all related works as shown on drawings and as specified.**(Wiring devices based on Legrand ARTEOR-WHITE, Confirm choise of wiring devices with the Architect Before submitting any prices)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.9.1 | Wall mounted TV socket outlet Wired Back to the TV Head End Equipment In Basement. | 10 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.9.2 | 16 outputs cascadable multiswitch including 1xRG11 Cables from dishes to electrical room in villa basement. | 1 | Item |  |  |  |
|  |  |  |  |  |  |  |
| 16.9.3 | Satellite dish for CABLEVISION reception including LNB, amplifiers, supports and needed accessories (min diameter 1.2m) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **16.10** | **FIRE ALARM AND DETECTION SYSTEM** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply, install and connect main fire alarm and control panel complete including visual display graphics, and all necessary electronic cards / module, power supply, batteries, charger, Pull Boxes, Empty Boxes, Empty Conduits, Shaft Conduits and Connection, and as specified and shown on the drawings **(Cooper Or Approved Equal)** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.1 | Ceiling Outlet box for Optical Or Heat detector. | 22 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.1' | Ceiling Outlet box for Optical Or Heat detector. | 10 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.2 | Wall mounted outlet box for Manual station (break glass) | 5 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.2' | Wall mounted outlet box for Manual station (break glass) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.3 | Wall mounted outlet box for Fire bell (siren). | 5 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.3' | Wall mounted outlet box for Fire bell (siren). | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.4 | Fire Alarm Control Panel (FACP) Addressable Type with 1 Loops. | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.5 | Optical detector. | 21 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.5' | Optical detector. | 10 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.6 | Heat detector. | 2 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.7 | Manual station (break glass) | 5 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.7' | Manual station (break glass) | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.8 | Fire bell (siren). | 5 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.10.8' | Fire bell (siren). | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **16.11** | **EARTHING & LIGHTNING SYSTEM** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.11.1 | Earthing for the Building to ensure a resistance of less than 5 Ohms As shown On Drawings With All The Earthing Rodes, Cables, Clamps, Test Links, The Connection Cables And Tubes And All Accessories…**(Wallis UK, Cirprotect Or Approved Equal)** | 1 | Item |  |  |  |
|  | The Unit Rate of US $: |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.11.2 | Earthing for the Lightning to ensure a resistance of less than 5 Ohms As shown On Drawings With All The Earthing Rodes, Cables, Clamps, Test Links, The Connection Cables And Tubes And All Accessories… | 1 | Item |  |  |  |
|  | The Unit Rate of US $: |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.11.3 | Main Earthing Test Link Installed In Electrical Room As Shown On Drawing | 1 | U |  |  |  |
|  | The Unit Rate of US $: |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.11.4 | Earthing Test Link Installed on extrenal wall in ground floor As Shown On Drawing |  | U |  |  |  |
|  | The Unit Rate of US $: |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.11.5 | Supply And Installation Of A Surge Protection System Complete With AC Arrestor Having Fast And Reliable Response. System Shall Be Installed One on Telephone Incoming Cable, and One On The TV Incoming Cable **(DEHN Or Approved Equal)** | 1 | U |  |  |  |
|  | The Unit Rate of US $: |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.11.6 | Equipotential Bonding For All Needed Metallic equipment (Boiler Body, Metallic Conduits,…) | 1 | Item |  |  |  |
|  | The Unit Rate of US $: |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.11.7 | Supply ,Install And Connect The Early Stream lightning Protection System Complete Including Horizontal And Down Conductors, Bonding, Accessories And Auxiliaries As Shown On The Drawings And Otherwise Required And Approved By The Engineer. **(Cirprotect Or Approved Equal)** | 1 | Item |  |  |  |
|  | The Unit Rate of US $: |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **16.12** | **CCTV SYSTEM** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply, install, connect and test, complete including conduits, boxes, conductors, junction, derivation and outlet boxes |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.12.1 | NVR/NVS Unit for 40 Cameras with All needed software lisences to enable all CCTV Control and viewing from any computer linked to the Network With internal hard disks enabling the registration of all cameras in 1 MP quality for a period of 15 Days | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 16.12.2 | Wall mounted Outlet Box For internal mounted CCTV Cameras with all needed conduits and Wiring | 31 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.12.2' | Wall mounted Outlet Box For internal mounted CCTV Cameras with all needed conduits and Wiring | 15 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.12.3 | Wall mounted Outlet Box For outdoor mounted CCTV Cameras with all needed conduits and Wiring | 6 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.12.4 | Internal colored Bullet 1.3 MPX CCTV camera, including lens, bracket and all Accesories. | 31 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.12.4' | Internal colored Bullet 1.3 MPX CCTV camera, including lens, bracket and all Accesories. | 15 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.12.5 | Outdoor colored Bullet 1.3 MPX CCTV camera wall mounted, including lens, bracket and all Accesories. | 6 | U |  |  |  |
|  |  |  |  |  |  |  |
| 16.12.6 | 32" CCTV monitor With Related HDMI Outlets connected Main CCTV Rack |  | U |  |  |  |
| 16.12.6 | 32" CCTV monitor With Related HDMI Outlets connected Main CCTV Rack | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
| **16.13** | **MUSIC System** |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  | Supply, install, connect and test, complete including conduits, boxes, conductors, junction, derivation and outlet boxes |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.13.1 | 19" Audio Rack including Digital Audio/Mixer, amplifier, 2 Wireless microphones, CD player with USB input and all other needed accessories for a complete system. | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 16.13.2 | Ceiling Recessed Speaker, color white,  impedance 8Ohms, Frequency Response (-10dB)= 65HZ-20kHZ, Sensitivity (1W,1m)=86dB, MAX SPL=108dB, conical coverage=130°similar to BOSE in ceiling including all cabling & accessories. | 1 | U |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| **16.14** | **Testing** |  |  |  |  |  |
|  |  |  |  |  |  |  |
| 16.14.1 | Provision of "Shop Drawings" for the entire electrical installations. |  |  |  |  |  |
|  | The Unit Rate of US $: | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 16.14.2 | Provision of "As Built Drawings" for the entire electrical installations. |  |  |  |  |  |
|  | The Unit Rate of US $: | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 16.14.3 | Testing and commissioning of the entire electrical installations. |  |  |  |  |  |
|  | The Unit Rate of US $: | 1 | LS |  |  |  |
|  |  |  |  |  |  |  |
| 16.14.4 | Provision of maintenance manual and operating manual for all equipment's. | 1 | LS |  |  |  |
|  | The Unit Rate of US $: |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  | Lot total | |  |