|  |  |
| --- | --- |
|  | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | |
| **SCOPE OF WORKS** | |
| The Scope of Works shall include but not limited to works as mentioned in the detailed BOQ, for implementation, completion and handing over of the complete functional area as per the provided concept design & perspectives. | |
| 1 | **PRELIMINARIES WORKS:-** |
| a | As mentioned in the BOQ. |
|  |  |
| 2 | **CIVIL WORK:-** |
| a | Grade Slab |
| b | Steel Structure |
|  |  |
| 3 | **PARTITIONS AND FINISHES** |
| a | Cladding |
| b | 200mm Blockwall |
|  |  |
| 4 | **DOOR** |
| a | Wooden door , Steel Door , Glass door |
|  |  |
| 5 | **FLOOR FINISH** |
| a | Floor Tile |
| b | Carpet |
|  |  |
| 6 | **WALL FINISH** |
| a | Tiling, Paint, Cladding |
|  |  |
| 7 | **CEILING FINISH** |
| b | Gypsum & metal Ceiling |
|  |  |
| 8 | **JOINERY WORKS** |
| a | As mentioned in BOQ |
|  |  |
| 10 | **CARK PARK** |
| a | As mentioned in BOQ |
|  |  |
| 11 | **MEP** |
| a | As mentioned in BOQ |
|  |  |
| 12 | **PROJECT DURATION:** |
| a | 2 Months. |
|  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
| **1** | **CONTRACTOR** |  |  |  |  |
| **i** | **Cost for Obtaining Authority Approval** | 1 | Item |  |  |
| **ii** | **Preliminaries** |  |  |  |  |
|  | Allow for the mobilization of materials, equipment and safety equipment, etc. for the duration of project construction / Allowance for protection of existing finishes and staging / scaffoldings to be used /Project supervision, first aid, site safety requirements | 1 | Item | 38,000.00 | 38,000.00 |
|  | **Note** The contractor shall strictly follow and comply with the Local Standard in regard to this scope of work. |  |  |  |  |
| **A** | **Structural Steel Work** |  |  |  |  |
|  | Hot rolled sections; Steel grade S275 with welded and bolted joints, including all cleats, plates, angle plates, sag rods, flange braces, fixings, HS bolts, including Nons shrint HS grout below base plates Cold Formed steel sections; Steel grade S275 with welded and bolted joints, including all cleats, plates, angle plates, fixings, bolts required for the Steel Structure for Mezzanine Floor with Checkered plate on floor.  Also contractor Should consider the Staircase structure with handrail on reception area.  -Contractor should apply Primer & Final coat painting on Steel structure. | 1 | Item | 1,275,555.00 | 1,275,555.00 |
| B | **Water Proofing /Membrane Protection** |  |  |  |  |
|  | one coat primer and (2 coat rubberized bitumen or 4mm Water proofing membrane), as Project Specification laid strictly in accordance with the manufacturer's instructions.  On Toilet area (GF & FF) | 13 | SQM | 130.00 | 1,690.00 |
| C | **Screeding Work** |  |  |  |  |
|  | 200mm thick Reinforced Screed on Ground Floor with required plinth beam including Surface preparation & laying 1200 gauge polythene layer at bottom. (GF Area- 274 sqm) | 54.8 | m3 | 95.00 | 5,206.00 |
|  | 100mm thick Reinforced Screed on Mezzanine Floor Toilet including Surface preparation & laying 1200 gauge polythene layer at bottom. | 1.2 | m3 | 100.00 | 120.00 |
| D | **External Cladding Work** |  |  |  |  |
|  | Supply & installation of External Cladding Work :- Providing and fixing 4mm thick Aluminum Composite Panels (ACP) of exterior grade for cladding on front As per sample approval matching to 3D & side to be covered and sealed including all necessary framework System shall be fixed using GI brackets and stainless-steel bolts and nuts complete with spring washers and cap nuts and all other necessary accessories. The bracket support shall be designed as per manufactures specification. all hardware shall corrosion resistant frame out of Aluminum member. | 70 | m2 | 290.00 | 20,300.00 |
|  | **PAGE - 1: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
|  | Supply & Installation of Aluminium Sheet(1mm) to cover the internal opening from top to bottom side of Gutter (Considered Approx.1m) | 1 | item | 45650.00 | 45650.00 |
| E | **Block Wall** |  |  |  |  |
|  | Supply and lay of Hollow block work for walls, including beeding and jointing, tie beam, lintel concreting in cement sand mortar complete with necessary joint reinforcement as specified. (GF Wall - 3m from FFL) (Cladding Wall to be closed completely) |  |  |  |  |
|  | 200mm thickness Wall | 160 | m2 | 115.00 | 18,400.00 |
| F | **Rendering** |  |  |  |  |
|  | Cement and sand (1:3) rendering Minimum 15 mm thick to block Walls smooth finish for Painitng work including angle beads, stop beads, feature beads, reinforcing at junctions of differing types with expanded metal lathing and isolating membrane all as specified and to Engineer's approval. |  |  |  |  |
|  | Block Walls Plaster (Both Side Of Wall ) | 250 | m2 | 70.00 | 17,500.00 |
| G | **Builders work** |  |  |  |  |
|  | Allowance for builders work for MEP | 1 | item |  |  |
| H | **Partition** |  |  |  |  |
|  | Supply and installation of 100mm thick Gypsum board partition comprising of single layer 12.5mm thick normal gypsum board either side, mechanically fixed to G.I. framing on one side including rockwool, tape joining, filling, etc. ready to receive finishes; as per proposed layout drawing.  (wall partition height considered- 3m) |  |  |  |  |
|  | Location : Ground Floor (office area) | 180 | m2 | 150.00 | 27,000.00 |
|  | Location : Mezzanine Floor (office area) | 140 | m2 | 150.00 | 21,000.00 |
|  | Supply and installation of 100mm thick Cement board partition comprising of single layer 12.5mm thick Cement board either side, mechanically fixed to G.I. framing on one side including rockwool, tape joining, filling, etc. ready to receive finishes; as per proposed layout drawing.  (wall partition height considered- 3m) |  |  |  |  |
|  | Location : Ground Floor (Toilet) | 39 | m2 | 245.00 | 9,555.00 |
|  | Location : Mezzanine Floor (Toilet) | 48 | m2 | 245.00 | 11,760.00 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  | **PAGE - 2: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
| **I** | **Ceiling** |  |  |  |  |
| 1 | Supply and install of Gypsum ceiling including Cove by using  12.5mm normal gypsum board, approved metal framing and hangers from approved manufacturer complete with suspension system including additional suspensions and perforations 'required for luminaries, grills and ducts etc. in accordance with QCS / Local Authority and as specified (paint measured separately) Ground Floor (Open Area- High Lvl Ceiling) | 90 | m2 | 150.00 | 13,500.00 |
| 2 | Supply and install white (layin) suspended perforated metal ceiling panels (600x600mm) including hanger rods and other accessories to complete as per drawing. (Brand  Decotech or equivalent.) Location: GF & MF Floor | 275 | m2 | 140.00 | 38,500.00 |
|  | Supply and install white Plain (layin) suspended metal ceiling panels (600x600mm) including hanger rods and other accessories to complete as per drawing. (Brand  Decotech or equivalent.) Location: Ground + Mezzanine Floor (Toilet) | 28 | m2 | 140.00 | 3,920.00 |
| H | **Painting Work** |  |  |  |  |
|  | **Wall paint finish** |  |  |  |  |
|  | Supply and apply of paint finish (As per approval) with 2 topcoats and 1 coat primer including surface preparation and basecoats to  complete. |  |  |  |  |
|  | GF (All area) | 465 | m2 | 55.00 | 25,575.00 |
|  | MF (All area) | 220 | m2 | 55.00 | 12,100.00 |
|  | **Ceiling paint finish** |  |  |  |  |
|  | Supply and apply of paint finish (As per approval) with 2 topcoats and 1 coat primer including surface preparation and basecoats to complete.  Location : Ground Floor | 90 | m2 | 65.00 | 5,850.00 |
|  | **External paint finish** |  |  |  |  |
|  | Supply and apply of paint finish (As per approval) with 2 topcoats and 1 coat primer including surface preparation and other neccessary.  Location : External wall & Boundary wall | 440 | m2 | 70.00 | 30,800.00 |
|  | **Curtain Wall System** |  |  |  |  |
|  | CURTAIN WALL SYSTEM  \*\*General Note  \*Aluminum Profile - ALUBOND, Falcon 50 Curtain Wall System by M/s QALEX  \* Aluminum Frame Finish shall be powder coated  \*Fabrication assembly and installation as per Architect's approval. |  |  |  |  |
|  | **PAGE - 3: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
|  | Supply and installation of "Fixed" 35.52mm thick tempered- laminated triple glazed clear glass with Polyester powder coated finish. Glass Properties: 2-nos 6mm thick laminated clear glass +  1.52mm Interlayer inside, 16mm argon air space and 6mm thick low E clear glass outside.  Location - Entrance | 11 | m2 | 1175.00 | 12,925.00 |
|  | **Aluminium Glass Door** |  |  |  |  |
|  | \*\*Note:   * All Aluminum Tubular Profile (Thermal Break) by M/s QALEX * All Accessories shall be stainless steel satin finish * Aluminum Frame Finish shall be powder coated |  |  |  |  |
|  | Supply and installation of 24mm thick tempered, double glazed clear glass swing door with Lock cylinder and key system with 30mm pull. handle locking mechanism and 1 no. floor mounted door stop: 1 no. floor spring each accessories. Glass Properties; 6mm thick Tempered Clear Glass (inside and outside) and 12mm thick air space.  Size : 1800mm (W) x 2450mm (H) Location : GF-ENTRANCE | 1 | Nos | 14,500.00 | 14,500.00 |
|  | **Aluminium Window** |  |  |  |  |
|  | Supply and installation of Sliding Window 6mm thick Tempered Clear Glass. Size : 1500mm (W) x 1200mm (H)  Location : Mezzanine Floor Passage | 3 | Nos | 3,800.00 | 11,400.00 |
|  | **Flooring** |  |  |  |  |
|  | **Carpet Flooring (600x600mm)** |  |  |  |  |
|  | Supply & Installation of Carpet Flooring as per approved material including all fixing accessories. Mezzanine floor (Office area) | 115 | m2 | 350.00 | 40,250.00 |
|  | Wooden Skirting (Mezzanine Floor\_Carpet area ) | 110 | L/m | 90.00 | 9,900.00 |
| **B** | **TILING WORKS:** |  |  |  |  |
| 1 | Supply and installation of 120x60cm full body porcelain tile flooring and skirting with tile adhesive including required protection/Grouting and Cleaning. (Tile rate @ 80/sqm)  Location : GF | 240 | Sqm | 300.00 | 72,000.00 |
| 2 | Supply and installation of 30 x 60 porcelain Floor tile including tile adhesive including required protection/Grouting and Cleaning; (Tile rate @ 50/sqm) ; GF & MF Toilet (Male & Female) | 12 | Sqm | 175.00 | 2,100.00 |
| 3 | Supply and installation of 30 x 60 porcelain wall tile including tile adhesive including required protection/Grouting and Cleaning; (Tile rate @ 50 /sqm) ; GF& MF Toilet (Male & Female) | 46 | sqm | 145.00 | 6,670.00 |
| 4 | Supply and install of 5mm stainless steel transition strip including fixing accessories as per drawing and rendered images. | 2 | L/m | 900.00 | 1,800.00 |
|  |  |  |  |  |  |
|  | **PAGE - 4: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
|  | **Threshold:** Supply & Installation of Threshold | 4 | L/m |  |  |
|  | **External Step:** Supply & Installation of Granite flooring for Step (External) with edge polishing & required Groove  (As per Required length by End-user) | 1 | item | 34,000.00 | 34,000.00 |
|  | **External Floor Grating:** |  |  |  |  |
|  | Supply & Installation of floor Grating (300mmx300mm) as per  approved sample (For Rain Water) | 4 | Nos | 2,000.00 | 8,000.00 |
|  | **Kerb Stone** |  |  |  |  |
|  | Supply & laying of Kerb stone (half Batter) as per approved material including base preparation & Final painting (B&W).  Size : 915x255x150mm  Location: Car park | 40 | L/m | 120.00 | 4,800.00 |
|  | Supply & laying of Concrete parking Kerb stone as per approved material including base preparation & Final painting (B&Y).  Location: Car park | 8 | Nos | 1,300.00 | 10,400.00 |
|  | Location: Car park |  |  |  |  |
|  | Supply & laying of External paving stone as per approved material & pattern including Surface preparation, Epoxy paint Marking, Vehicle Parking curb (22 Nos).  Size of Interlock : 200x100x80mm |  |  |  |  |
|  | Service Area (Set Back) | 126 | m2 | 150.00 | 18,900.00 |
|  | Car park | 179 | m2 | 150.00 | 26,850.00 |
|  | **Steel Door** |  |  |  |  |
|  | Supply and install of Single leaf steel door with vision Panel, leaf is 54mm thick in White paint finish. Hardware set- Dorma stainless steel finished with lock.  Location : GF \_ Back Entrance | 2 | Nos | 16,450.00 | 32,900.00 |
|  | **Wooden / Glass Door** |  |  |  |  |
|  | Supply and install of Single leaf wooden / Glass door with vision Panel(If required), leaf is 54mm thick including wooden Solid Beach wood frame in White paint finish. Hardware set- Dorma stainless  steel finished with lock. |  |  |  |  |
|  | Ground Floor | 9 | Nos | 3,500.00 | 31,500.00 |
|  | Ground Floor (Toilet) | 3 | Nos | 2,200.00 | 6,600.00 |
|  | Mezzanine Floor | 6 | Nos | 2,200.00 | 13,200.00 |
|  | Mezzanine Floor (Toilet) | 3 | Nos | 2,200.00 | 6,600.00 |
|  | **External Steel Gate** |  |  |  |  |
|  | Supply and install of Single leaf steel Gate in paint finish. Hardware set- Dorma stainless steel finished with lock & other Accessories. Location : GF\_ External Entrance | 2 | Nos | 4,000.00 | 8,000.00 |
|  | **PAGE - 5: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
| **D** | **JOINERY WORKS:** |  |  |  |  |
|  | **Reception Counter** |  |  |  |  |
|  | Fabricate, Supply and Installation of Reception Counter as per the proposed layout including all the accessories, bottom unit. Finishes made of 18mm thick paint finish and Corian and facia. Cove light at bottom should be considered.  Dimension : 2000(L) x 850(W) x 1100(H) (Optional Scope) | 1 | item | 19,675.00 | 19,675.00 |
|  | **Pantry Counter** |  |  |  |  |
|  | Fabricate, Supply and Installation of Pantry unit (Bottom & Top cabinet) Counter with Granite top & all other MR with Laminate / paint finish as per the approved material& all neccessary accessories.(All the sanitary Fitting- wash basin, mixer etc., & MEP provision for other equipment to be considered by Contractor) Bottom Counter : 2800(L) x 600(W) x 1100 (H)  Wall unit : 2800(L) x 300(W) x 600 (H) Location \_ GF & MF Pantry | 2 | item | 13,250.00 | 26,500.00 |
|  | **Planter** |  |  |  |  |
|  | Supply of Planter pot / Box as per approved Sample  (Optional Scope) | 8 | Nos | 1,200.00 | 9,600.00 |
|  | **SIGNAGE WORKS:** |  |  |  |  |
|  | Supply & Installation of Signage with Backlight as per end-user requirement & approval.  (Optional Scope) |  |  |  |  |
|  | External | 1 | Nos | 25,000.00 | 25,000.00 |
|  | Internal | 1 | Nos | 15,000.00 | 15,000.00 |
| A | **HVAC INSTALLATION** |  |  |  |  |
|  | **DX-DUCTED SPLIT UNITS :** |  |  |  |  |
|  | Supply and install DX- Ducted Split Concealed unit, complete with indoor and outdoor equipment, refrigerant pipes with insulation and trunking , drain pan, prefilter, accessories, switches, Thermostates, Access doors … etc. and all other requirements as per specifications, drawings and equipment schedules |  |  |  |  |
|  | (DX-FCU/ ACCU)(Concealed Type, 5 T.R - 2000 CFM ) | 6 | NO | 14,475.00 | 86,850.00 |
|  | **EXHAUST FANS:** |  |  |  |  |
|  | Supply and install exhuast fans, including flanges, support framing, bolts, controls, isolating, switches, all necessary accessories and connections complete as specified, shown on drawings and  schedules. |  |  |  |  |
|  | Wall Mounted (Exhasut Fan - 100 cfm) Toilet & Pantry (GF and MF) | 4 | NO | 850.00 | 3,400.00 |
|  | **PAGE - 6: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
|  | **Drain Pipe Network:** |  |  |  |  |
|  | Supply and install UPVC condensate drain pipes and connect with nearest manhole according to drawings, site condition and  specifications. | 1 | L.S. | 68,000.00 | 68,000.00 |
|  | **Air Outlets** |  |  |  |  |
|  | **Square Supply Ceiling Diffuser:-** |  |  |  |  |
|  | Supply air ceiling diffusers (S.C.D) square types each complete with volume dampers, straightness & all accessories according to  drawings and specifications for the following size: |  |  |  |  |
|  | S.C.D Size 300X300 MM | 10 | NO | 12,500.00 | 125,000.00 |
|  | S.C.D Size 450X450 MM | 15 | NO | 13,500.00 | 202,500.00 |
|  | **Square Return Ceiling Diffuser:-** |  |  |  |  |
|  | Return air ceiling diffusers (R.C.D) square types each complete with , straightness & all accessories according to drawings and  specifications for the following size: |  |  |  |  |
|  | R.C.D Size 300X300 MM | 10 | NO | 12,500.00 | 125,000.00 |
|  | R.C.D Size 450X450 MM | 15 | NO | 13,500.00 | 202,500.00 |
|  | **Sheet Metal Duct Work :** |  |  |  |  |
|  | Supply and install Galvanized sheet metal supply and Exhaust air ducts complete with hangers, supports, fire damper, flexible connections, acoustic linning , volume damper and all accessories as shown on drawings and in accordance with specifications and  SMACNA standards. | 1 | L/s | 210,225.00 | 210,225.00 |
|  | **Indoor Thermal Insulation:** |  |  |  |  |
|  | Supply and install Thermal insulation for indoor supply and Exhaust duct, fiber glass, have a density 24 kg/m3, 25mm thickness, covered with aluminum vapor barrier, according to the  drawings and specifications. | 1 | L/s | 75,000.00 | 75,000.00 |
|  | **Miscellaneous** |  |  |  |  |
|  | Supply and Installation of supports or concrete plinths for AC  outdoor units and associated civil works | 1 | Ls | 17,000.00 | 17,000.00 |
| B | **Electrical Panel Boards:** |  |  |  |  |
|  | Supplying, installing, connecting and testing distribution panel poards complete with (but not limited to): protective devices, measuring instruments, circuit breakers, busbars, neutral and earth terminal, photo cell/ timer control, contactors, all necessary accessories and ancillary works required to complete the system as per drawings and specifications. |  |  |  |  |
|  | Supply and Installation of DB, 16way, 3phase , 125A main MCCB including circuit breakers for all circuits, glanding and termination  works | 1 | No | 6,500.00 | 6,500.00 |
|  | **PAGE - 7: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
|  | Supplying, installing, connecting and testing contactor panel to shut down the air condition units in case of fire complete with (but not limited to): contactors, relays, control wiring, all necessary accessories and ancillary works required to complete the system as per drawings and specifications.  **Contactor panel to shut down all AC units in case of fire.** | 1 | NO | 12,500.00 | 12,500.00 |
|  | Supplying, installing, connecting and testing the following multicore cables complete with (but not limited to): Glanding, termination, conduits, hot deep galvanized steel cable trays, ladders, external heavy PVC conduits, cable glands, labels, tags, supports, fixing and all required to complete works as per drawings and specifications.  Incoming DB's L.V Cables ( 0.6 / 1KV):  Supply and Installation of 1x4Cx70mm2 XLPE/SWA/PVC  +1Cx35mm2 PVC/PVC/Y/G | 1 | No | 81,000.00 | 81,000.00 |
| C | **Lights** |  |  |  |  |
|  | Supplying, installing, connecting, testing of lighting outlets, complete with (but not limited to): GI trunkings, conduits and fittings, wires, cables Fixing Supports, terminations, wires to other outlets, to lighting switches, junction boxes, pull boxes, cap connectors, components, lamps , drivers, circuit breakers all necessary accessories and ancillary works required to complete the system as per drawings and specifications. |  |  |  |  |
|  | 60 x 60 LED Square ceiling lights 40W,6500K, 3200lm approx | 100 | Pcs | 900.00 | 90,000.00 |
|  | Ceiling Down Lights, 30W, 6500K, 2400lm | 6 | Pcs | 700.00 | 4,200.00 |
|  | External Wall mounted Flood Lights 100 - 400W (approx) with timer  control | 4 | Pcs | 2,500.00 | 10,000.00 |
|  | External Flood Lights - 100 - 400W (approx) with timer control | 2 | Pcs | 2,500.00 | 5,000.00 |
|  | 8W emergency led light with 3 hours battery backup. | 10 | Pcs | 800.00 | 8,000.00 |
|  | 8W emergency led exit sign with 3 hours battery backup. | 6 | Pcs | 900.00 | 5,400.00 |
| D | **Power Outlets:**  Supplying, installing, connecting and testing the following power outlets complete with (but not limited to): outlet boxes, face plates, wires, GI trunking, conduits and fittings, , terminations, junction boxes, pullboxes, cap connectors, component, isolators, outlets, all necessary accessories and ancillary works required to complete the system as per drawings and specifications. |  |  |  |  |
|  | 13 ampere, 240 volt double switched socket, wall mounted. | 25 | No | 700.00 | 17,500.00 |
|  | 13 ampere, 240 volt weather proof double switched socket, wall  mounted. | 10 | No | 1,000.00 | 10,000.00 |
|  | **PAGE - 8: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
|  | Floor box consist of 2no.13 ampere, 240 volt duplex switched socket , 1no. data outlet and 1no. telephone outlet (floor outlet should be installed in carpeted flooring other wise it should be  weather proof ) | 2 | No | 3,500.00 | 7,000.00 |
|  | 13 ampere, 240 volt, switched spur unit for FCU. | 6 | No | 500.00 | 3,000.00 |
|  | 13 ampere, 240 volt, unswitched spur unit for FACP. | 1 | No | 600.00 | 600.00 |
|  | 20 ampere, 240 volt, Flex outlet (WH, Ex) | 3 | No | 700.00 | 2,100.00 |
|  | 20 ampere, 240 volt, double pole disconnect switch wall mounted.  (WH, EX, HD) | 5 | No | 900.00 | 4,500.00 |
|  | 20 ampere, 240 volt, weather and water proof DP isolator. (Signage  and booster pump) | 2 | No | 1,200.00 | 2,400.00 |
|  | 32 ampere, 415 volt, weather and water proof TP isolator (ODU AC) | 6 | No | 1,800.00 | 10,800.00 |
|  | 20 ampere, 240 volt, single phase industrial socket 04 . (lab area) | 3 | No | 1,500.00 | 4,500.00 |
|  | 32 ampere, 415 volt, 03 phase industrial socket (lab area) | 3 | No | 1,700.00 | 5,100.00 |
| E | **Earthing and Lightning System** |  |  |  |  |
|  | Earthing:  Supply and installation of 01nos earth pit including borehole, copper rod until 2mtr water level penetration, bonding of all metallic conductors ( cable trays, truning, conduits, equipemts, handrails, steel/metal structures etc..) 01 Pcs wall mounted 10 way earth bar inside electrical room, and testings earthing value to be demonstrated less than 01 ohm as per loc gov specs | 1 | Ls | By Buildiing Owner | |
|  | Lightning:  Supply and Installation of 02 nos earth pit including borehole, copper rod installation until 2mtr water level penetration, air terminals, 25x3mm roof copper tape conductors, down copper tape conductors with test links and tetsing as per local gov specs ( resistance less than 10 ohms) | 1 | Ls |
| F | **Telephone and Data Works:** |  |  |  |  |
|  | Telephone and Data System Devices: |  |  |  |  |
|  | Supplying, installing, connecting and testing telephone and data system complete with (but not limited to): cabling, GI conduits, GI trunks, race way running, junction boxs, patch panels, switches, works for telephone and data, all necessary accessories and ancillary works required to complete the system as per drawings and specifications. All Telecom job to be executed as per local gov Standards & Regulation |  |  |  |  |
|  |  |  |  |  |  |
|  | **PAGE - 9: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
|  | Supply and Installation 9U Data rack with 48 Port network switch, patch panels and termination works | 1 | No | 18,000.00 | 18,000.00 |
|  | Supply and Installation of cat6 cables, IO modules, face plate, outlets for tel, data, wifi points | 20 | No | 1,000.00 | 20,000.00 |
|  | Supply and Installation of main incoming fiber cables,ATP box, routers including testing and commissioning | 1 | Item | 7,500.00 | 7,500.00 |
| G | **CCTV System Works:** |  |  |  |  |
|  | Supplying, installing, connecting and testing CCTV system complete with (but not limited to): cabling, GI conduits, GI trunks, race way running, junction boxs, fixing, programming, hard desks, termination, all necessary accessories and ancillary works required to complete the system as per drawings and local gov regulations. |  |  | If required | |
|  | NVR, Monitors, Hard desks and other CCTV system equipment as per local gov regulations (to be located at IT rack). | 1 | Ls |
|  | CCTV camera (ceiling mounted) | 3 | No |
|  | CCTV camera (wall mounted) weather proof type. | 5 | No |
| H | **Fire Alarm System Works:** |  |  |  |  |
|  | Fire Alarm Control Panel: |  |  |  |  |
|  | Supplying, installing, connecting and testing of addressable fire alarm control panel complete with (but not limited to): power supplies (with built in 24 hours duration battery backup and battery charger), fire rated cabling, programming, all necessary accessories and ancillary works required to complete the system as per drawings, specifications and NFPA requirements. |  |  |  |  |
|  | Fire alarm Control panel - 02 loop addressable | 1 | No | 19,500.00 | 19,500.00 |
|  | Fire Alarm System Devices: |  |  |  |  |
|  | Supplying, installing, connecting and testing fire alarm system complete with (but not limited to): devices, all necessary GI conduits, fire rated junction boxes, fire rated cabling, all necessary accessories and ancillary works required to complete the system as per drawings and specifications. (Fire Alarm Equipments and Related System Components Shall be NFPA Approved Type). |  |  |  |  |
|  | Addressable smoke detector. | 20 | No | 650.00 | 13,000.00 |
|  | Led indicator lamp for above ceiling smoke detectors. | 8 | No | 650.00 | 5,200.00 |
|  | Addressable manual alarm call point (weather and water proof) | 4 | No | 500.00 | 2,000.00 |
|  | Sounder with strobe light. (weather and water proof) | 4 | No | 400.00 | 1,600.00 |
|  | Control module. | 3 | No | 1,700.00 | 5,100.00 |
|  | **PAGE - 10: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
|  | End of line resistance. | 1 | No | 2,800.00 | 2,800.00 |
|  | Testing & Commissioing include integration with Civil Defense  Systems as per local gov requirement. | 1 | NO | 5,700.00 | 5,700.00 |
| J | **WATER SUPPLY INSTALLATION** |  |  |  |  |
|  | Supplying, Installing, Testing & Commissioning, Modifying and Connecting to the existing domestic water network as per actual in site including all required corings and civil work to complete as per existing finishing . including sleeves, fittings, joints, thrust blocks, sleeves and all necessary components. All as shown on the drawings & complete as local gov specifications, and supervisor engineer instructions. |  |  |  |  |
|  | 200 Galoon vertical tank with 1HP booster pump and automatic  function | 1 | L/s | 13,400.00 | 13,400.00 |
|  | Supplying, Installing, Testing and Commissioning Polypropylene Pipes work PP-R (PN20) for cold water with joints, gate valves, ball valves, clips, supports, sleeves, and fittings. All as shown on the drawings & complete as specifications, and engineer instructions. | 1 | Ls | 98,700.00 | 98,700.00 |
|  | Supplying, Installing, Testing and Commissioning Electric Water Heater storage type including short length pipe works, valves, supports, controls, fixing accessories and all other accessories required. All as shown on the drawings & complete as specifications, and supervisor engineer instructions.  Horizontal Type, capacity of 80 liters, 1.5 KW | 1 | NO | 1,700.00 | 1,700.00 |
|  | **DRAINAGE INSTALLATION** |  |  |  |  |
|  | **Soil & Waste Pipes (Underground):** |  |  |  |  |
|  | Supplying, Installing, Testing and Commissioning Drainage Pipes uPVC (Class 4) including all necessary fittings, supports, fixing accessories. All as shown on the drawings & complete as specifications, and supervisor engineer instructions. Civil works  included. | 1 | L/s | 18,475.00 | 18,475.00 |
|  | **Floor Drains (FD):** |  |  |  |  |
|  | Supplying, Installing, Testing and Commissioning Floor Drains including gratings, covers and accessories. All as shown on the drawings & complete as specifications, and supervisor engineer  instructions. |  |  |  |  |
|  | FD, 75mm diameter for Toilets and service center- uPVC body &  stainless steel grating & cover. | 4 | No. | 1,375.00 | 5,500.00 |
|  | **Gully Trap (GT):** |  |  |  |  |
|  | Supplying and Installing Gully trap from uPVC complete including frame and covers. All as shown on drawings & complete as specifications, and supervisor engineer instructions. |  |  |  |  |
|  | **PAGE - 11: TO GENERAL SUMMARY QR.** |  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | | | | | |
| **PROPOSED WORK FOR CONSTRUCTION OF LABORATORY, TABUK @ AL NAKHEEL STREET** | | | | | |
| **BILL OF QUANTITIES** | | | | | |
| **Item** | **Description** | **Qty** | **Unit** | **Rate** | **Amount** |
| **(QR)** | **(QR)** |
|  | Size 0.4 m × 0.4 m | 1 | No. | 4,500.00 | 4,500.00 |
|  | **SANITARY WARES INSTALLATION** |  |  |  |  |
|  | **Western Water Closets (WC):** |  |  |  |  |
|  | Supplying, Installing, Testing and Commissioning Western Type - white vitreous china - Water Closet Dual flushing / low flow including flush tank/valve, seat cover, hand spray, with angle valves, flexible connections, P or S traps, and all fittings, accessories & short length pipes. All as shown on the drawings & complete as specifications, Approved vendors/models by the landlord and supervisor engineer instructions. |  |  |  |  |
|  | Floor Mounted, Exposed Flush Tank Type | 4 | No. | 7,000.00 | 28,000.00 |
|  | **Lavatories (LAV):** |  |  |  |  |
|  | Supplying, Installing, Testing and Commissioning (Wash Basin) Lavatory - white vitreous china - including cold & hot water mixer low flow / with aerator, angle valves, flexible connections, and all fittings, accessories & short length pipes. All as shown on the drawings & complete as specifications, Approved vendors/models by the landlord and supervisor engineer instructions. |  |  |  |  |
|  | Pedestal Type | 4 | No. | 8,500.00 | 34,000.00 |
|  | **Hose Bibb (H.B):** |  |  |  |  |
|  | Supplying, Installing, Testing and Commissioning service Hose Bibb including all fittings, accessories & short length pipes. All as shown on the drawings & complete as specifications, and supervisor engineer instructions.  20 mm diameter | 4 | No. | 1,350.00 | 5,400.00 |
|  | Supply and Installation of Hand Dryer | 1 | No | 5,800.00 | 5,800.00 |
|  | Supply and Installation of Mirror with Lights | 4 | No | 2,700.00 | 10,800.00 |
|  | Supply and Installation of Soap Dispener | 4 | No | 750.00 | 3,000.00 |
|  | Supply and Installation of Tissue Dispenser | 4 | No | 4,250.00 | 17,000.00 |
|  | **FIRE FIGHTING INSTALLATION** |  |  |  |  |
|  | **Fire Extinguisher (FE):** |  |  |  |  |
|  | Supplying and Installing Portable fire extinguisher; including supports and fixing brackets as necessary; wall hung. All shall be UL/FM approved, complete as per approved drawings and as per NFPA Standards and site requirements. |  |  |  |  |
|  | 6 kg ABC type dry-powder fire extinguisher | 6 | No. | 400.00 | 2,400.00 |
|  | 5 kg Carbon Dioxide, portable type, wall hung. | 2 | No. | 400.00 | 800.00 |
|  |  |  |  |  |  |
|  | **PAGE - 12: TO GENERAL SUMMARY QR.** |  |  |  |  |