

REPUBLIC OF THE PHILIPPINES
 Department of Science and Technology
 Philippine Science High School Soccsksargen Region Campus
 Barangay Paraiso, Koronadal City
 South Cotabato

Project: CONSTRUCTION OF LEARNING RESOURCE CENTER (LIBRARY) AND MULTI-MEDIA CENTER
 Subject: BILL OF QUANTITIES
 Date: 8-22-2017
 ABC P 24,000,000.00

| ITEM | SCOPE OF WORK | QTY | UNIT | UNIT COST | TOTAL COST |
|------------|--|--------|-------|-----------|------------|
| 1.0 | GENERAL REQUIREMENTS | | | | |
| 1.1 | Mobilization/Demobilization | 1 | lot | | |
| 1.2 | Bonds, Insurances & Permits | 1 | lot | | |
| 1.3 | As built plans | 1 | lot | | |
| 1.4 | Temporary Utilities (Electricities & Water) | 1 | lot | | |
| 1.5 | Temporary Facilities | | | | |
| 1.5.1 | Temporary Warehouse | 1 | lot | | |
| 1.5.2 | Field Office/Conference Room | 1 | lot | | |
| 1.5.3 | Temporary Fence/Site Enclosure | 1 | lot | | |
| 1.6 | Surveying & Layouts | 1 | lot | | |
| 1.7 | Testing of Materials | | | | |
| 1.7.1 | Compression Testing (Cylinder, CHB, Mortar) | 1 | lot | | |
| 1.7.2 | Cement (Physical & Chemical Properties) | 1 | lot | | |
| 1.7.3 | Complete Test for Aggregates (Grading, Soundness, Abrasion, Specific Gravity, Unit Weight, Absorption) | 1 | lot | | |
| 1.7.4 | Tensile Properties of Rebars & Steeldecking | 1 | lot | | |
| 1.7.5 | Design/Trial Mix | 1 | lot | | |
| 1.7.6 | Curing Tank & Curing Materials | 1 | lot | | |
| 1.8 | Construction Safety/PPEs | 1 | lot | | |
| | SUB-TOTAL 1.0 | | | | |
| 2.0 | LAND DEVELOPMENTS | | | | |
| 2.1 | concreting of entrance Pavement and perimeter sidewalk | | | | |
| 2.1.1 | Washed sand | 10 | Cu.M. | | |
| 2.1.2 | Gravel 3/4 | 20 | Cu.M. | | |
| 2.1.3 | Portland Cement | 184 | bags | | |
| 2.1.4 | Temperature bars 12mm deformed bars @ .3m O.C BW | 245 | kgs | | |
| 2.1.5 | Ga. 16 GI Tire wires | 10 | kgs | | |
| | SUB-TOTAL 2.0 | | | | |
| 3.0 | EARTHWORKS AND LAND DEVELOPMENTS | | | | |
| 3.1 | EXCAVATION | | | | |
| 3.1.1 | Footing Pits | 1006 | Cu.M. | | |
| 3.1.2 | Catch Basins | 1.9 | Cu.M. | | |
| 3.2 | EARTHFILL | | | | |
| 3.2.1 | Ground Floor | 100.00 | Cu.M. | | |
| | SUB-TOTAL 3.0 | | | | |

| ITEM | SCOPE OF WORK | QTY | UNIT | UNIT COST | TOTAL COST |
|------|--|-----------|-------|-----------|------------|
| 4.0 | STRUCTURAL WORKS | | | | |
| | 4.1 Reinforced Concrete Footing (3500psi) | | | | |
| | 4.1.1 Type 1 Portland Cement | 1,843.00 | bags | | |
| | 4.1.2 Washed and screened Sand | 87.76 | Cu.M. | | |
| | 4.1.3 Gravel | 175.52 | Cu.M. | | |
| | 4.1.4 Gravel bedding | 75.52 | Cu.M. | | |
| | 4.1.5 16mm def bars grade 40 | 631.31 | kgs | | |
| | 4.1.6 20mm def bars grade 40 | 2,078.65 | kgs | | |
| | 4.1.6 Ga 16 tie wire | 80.00 | kgs | | |
| | 4.1.7 welding rods 6011 | 18.00 | kgs | | |
| | 4.2 Reinforced Concrete Tie Beam (3500psi) | | | | |
| | 4.2.1 Type 1 Portland Cement | 255.00 | bags | | |
| | 4.2.2 Washed and screened Sand | 12.15 | Cu.M. | | |
| | 4.2.3 Gravel | 24.22 | Cu.M. | | |
| | 4.2.4 Gravel bedding | 5.75 | Cu.M. | | |
| | 4.2.5 20mm def bars grade 40 | 4,603.00 | kgs | | |
| | 4.2.6 16mm def bars grade 40 | 555.85 | kgs | | |
| | 4.2.7 10mm def bars grade 33 | 802.00 | kgs | | |
| | 4.2.8 Ga 16 tie wire | 175.00 | kgs | | |
| | 4.2.9 welding rods 6011 | 40.00 | kgs | | |
| | 4.3 Reinforced Concrete Zocallo and Wall Footing (3000psi) | | | | |
| | 4.3.1 Type 1 Portland Cement | 75.00 | bags | | |
| | 4.3.2 Washed and screened Sand | 4.13 | Cu.M. | | |
| | 4.3.3 Gravel | 8.26 | Cu.M. | | |
| | 4.3.5 12mm def bars grade 33 | 85.00 | kgs | | |
| | 4.3.6 10mm def bars grade 33 | 328.00 | kgs | | |
| | 4.3.7 Ga 16 tie wire | 5.20 | kgs | | |
| | 4.3.8 welding rods 6011 | 1.70 | kgs | | |
| | 4.4 Reinforced Concrete slab on fill (3000psi) | | | | |
| | 4.4.1 Type 1 Portland Cement | 670.00 | bags | | |
| | 4.4.2 Washed and screened Sand | 37.20 | Cu.M. | | |
| | 4.4.3 Gravel | 74.40 | Cu.M. | | |
| | 4.4.4 Gravel bedding | 56.00 | Cu.M. | | |
| | 4.4.5 10mm def bars grade 33 | 2,480.25 | kgs | | |
| | 4.4.6 Ga 16 tie wire | 32.45 | kgs | | |
| | 4.4.7 welding rods 6011 | 7.30 | kgs | | |
| | 4.5 Reinforced Concrete suspended slab (3000psi) | | | | |
| | 4.5.1 Type 1 Portland Cement | 374.00 | bags | | |
| | 4.5.2 Washed and screened Sand | 20.75 | Cu.M. | | |
| | 4.5.3 Gravel | 41.49 | Cu.M. | | |
| | 4.5.4 10mm def bars grade 33 | 4,378.00 | kgs | | |
| | 4.5.5 Ga 16 tie wire | 63.72 | kgs | | |
| | 4.5.6 welding rods 6011 | 6.00 | kgs | | |
| | 4.6 Reinforced Concrete Columns (3500psi) | | | | |
| | 4.6.1 Type 1 Portland Cement | 695.00 | bags | | |
| | 4.6.2 Washed and screened Sand | 33.50 | Cu.M. | | |
| | 4.6.3 Gravel | 67.00 | Cu.M. | | |
| | 4.6.4 20mm def bars grade 40 | 17,698.75 | kgs | | |
| | 4.6.6 10mm def bars grade 33 | 3,678.05 | kgs | | |
| | 4.6.7 Ga 16 tie wire | 720.00 | kgs | | |
| | 4.6.8 welding rods 6011 | 16.00 | kgs | | |

| ITEM | SCOPE OF WORK | | QTY | UNIT | UNIT COST | TOTAL COST |
|------------|--------------------|--|----------------------|--------|-----------|------------|
| | 4.7 | RC Beams/roof beams/girders/cantilever beams (3500psi) | | | | |
| | 4.7.1 | Type 1 Portland Cement | 875.00 | bags | | |
| | 4.7.2 | Washed and screened Sand | 42.00 | Cu.M. | | |
| | 4.7.3 | Gravel | 84.00 | Cu.M. | | |
| | 4.7.5 | 20mm def bars grade 40 | 18,902.00 | kgs | | |
| | 4.7.6 | 16mm def bars grade 40 | 4,956.00 | kgs | | |
| | 4.7.8 | 10mm def bars grade 33 | 4,664.00 | kgs | | |
| | 4.7.9 | Ga 16 tie wire | 850.00 | kgs | | |
| | 4.7.10 | welding rods 6011 | 45.00 | kgs | | |
| | 4.8 | Reinforced Concrete Stairs (3500psi) | | | | |
| | 4.8.1 | Type 1 Portland Cement | 63.00 | bags | | |
| | 4.8.2 | Washed and screened Sand | 3.00 | Cu.M. | | |
| | 4.8.3 | Gravel | 6.00 | Cu.M. | | |
| | 4.8.5 | 16mm def bars grade 40 | 898.00 | kgs | | |
| | 4.8.6 | 12mm def bars grade 33 | 737.00 | kgs | | |
| | 4.8.8 | Ga 16 tie wire | 50.00 | kgs | | |
| | 4.8.9 | welding rods 6011 | 3.00 | kgs | | |
| | 4.9 | Reinforced Concrete canopy (3500psi) | | | | |
| | 4.9.1 | Type 1 Portland Cement | 189.00 | bags | | |
| | 4.9.2 | Washed and screened Sand | 9.00 | Cu.M. | | |
| | 4.9.3 | Gravel | 18.00 | Cu.M. | | |
| | 4.9.4 | 10mm def bars grade 33 | 2,213.00 | kgs | | |
| | 4.9.5 | Ga 16 tie wire | 32.00 | kgs | | |
| | 4.9.6 | welding rods 6011 | 3.00 | kgs | | |
| | 4.10 | Reinforced Concrete lavatorycounter (3000psi) | | | | |
| | 4.10.1 | Type 1 Portland Cement | 4.00 | bags | | |
| | 4.10.2 | Washed and screened Sand | 0.18 | Cu.M. | | |
| | 4.10.3 | Gravel | 0.35 | Cu.M. | | |
| | 4.10.4 | 10mm def bars grade 33 | 148.00 | kgs | | |
| | 4.10.5 | Ga 16 tie wire | 1.00 | kgs | | |
| | 4.11 | formworks and scaffoldings | | | | |
| | 4.11.1 | 2x4x12 coco lumber | 500.00 | pcs | | |
| | 4.11.2 | 2x3x12 coco lumber | 2,000.00 | pcs | | |
| | 4.11.3 | 2x2x12 coco lumber | 2,000.00 | pcs | | |
| | 4.11.4 | 3/8" ord plywood | 350.00 | pcs | | |
| | 4.11.5 | 1/4" ord plywood | 120.00 | pcs | | |
| | 4.11.6 | assorted sixe conc nails | 25.00 | box | | |
| | 4.11.7 | cwn 4" | 16.00 | box | | |
| | 4.11.8 | cwn 3" | 16.00 | box | | |
| | 4.11.9 | cwn 2-1/2" | 15.00 | box | | |
| | 4.11.10 | cwn 2" | 12.00 | box | | |
| | 4.11.11 | cwn 1-1/2" | 10.00 | box | | |
| | | | SUB-TOTAL 4.0 | | | |
| 5.0 | STEEL WORKS | | | | | |
| | 5.1 | STEEL TRUSSES (Trusses, Rafters, Girt & Entrance Canopy) | | | | |
| | 5.1.1 | 6mmx2"x2" MS Angle Angle Bars | 340 | lght | | |
| | 5.1.2 | 6mmx1-1/2"x1-1/2" MS Angle Angle Bars | 27 | kg | | |
| | 5.1.6 | 1.50mm thk 2"x4" Cee Purlins | 109 | pcs | | |
| | 5.1.7 | 16mm x6m plain round bars | 25 | length | | |
| | 5.1.8 | Sag Rod (Plain Round Bar, 12mm) | 55 | length | | |
| | 5.1.9 | X-Bracing (Plain Round Bar, 12mm) | 8 | length | | |

| ITEM | SCOPE OF WORK | | QTY | UNIT | UNIT COST | TOTAL COST |
|------------|---------------------------------|--|----------------------|--------|-----------|------------|
| | 5.1.10 | Turn Buckle (1/2"x1') | 18 | pcs | | |
| | 5.1.11 | welding rods (N90) | 70 | kgs | | |
| | 5.2 ROOFING | | | | | |
| | 5.2.1 | 0.5mm ribbed type colorbonded Gi Roofing sheets | 560 | L.M. | | |
| | 5.2.2 | 0.5mm plain colorbonded Gi valley gutters 8' | 2 | Length | | |
| | 5.2.3 | 0.5mm plain colorbonded Gi ridge roll 8' | 10 | Length | | |
| | 5.2.4 | 0.5mm plain colorbonded bended gutter 8' | 45 | Length | | |
| | 5.2.5 | sealant | 1 | gals | | |
| | 5.2.6 | Tek Screw & Rivets | 12 | Kgs | | |
| | 5.2.7 | Touch up Paint | 1 | gal | | |
| | 5.3 STAIR & RAMP HAND RAIL | | | | | |
| | 5.3.1 | Stainless Pipe (2", S-20) | 8 | Length | | |
| | 5.3.2 | Square Bar (12mm) | 8 | Length | | |
| | 5.3.3 | flat bar 1/4" x 1"x6m | 4 | Length | | |
| | 5.3.4 | Welding Rod (Stainless) | 8 | Kgs | | |
| | | | SUB-TOTAL 5.0 | | | |
| 5.0 | MASONRY WORKS | | | | | |
| | 6.1 CHB WALL | | | | | |
| | 6.1.1 | CHB 6" (350 psi) | 1,594.00 | Pcs | | |
| | 6.1.2 | CHB 4" (350 psi) | 10,500.00 | Pcs | | |
| | 6.1.3 | Cement (40 Kgs) | 850 | Bags | | |
| | 6.1.4 | Washed Sand | 58 | Cu.M. | | |
| | 6.1.5 | DRB 10mm, Grade 40 | 1260 | Kgs | | |
| | 6.1.6 | G.I. Wire (G-16) | 41 | Kgs | | |
| | 6.2 CATCH BASINS | | | | | |
| | 6.2.1 | CHB 4" (350 psi) | 150 | Pcs | | |
| | 6.2.2 | Cement (40 Kgs) | 10 | Bags | | |
| | 6.2.3 | Washed Sand | 0.8 | Cu.M. | | |
| | 6.2.4 | DRB 10mm, Grade 40 | 7 | Kgs | | |
| | 6.2.5 | G.I. Wire (G-16) | 0.5 | Kgs | | |
| | 6.3 PLASTERING (25 mm thick) | | | | | |
| | 6.3.1 | Cement (40 Kgs) | 690 | Bags | | |
| | 6.3.2 | Washed Sand | 75 | Cu.M. | | |
| | | | SUB-TOTAL 6.0 | | | |
| 7.0 | PAINTING WORKS | | | | | |
| | 7.1 WALLS | | | | | |
| | 7.1.1 | Exterior Wall | 560.00 | Sq.M. | | |
| | 7.1.2 | Interior Wall | 1,033.00 | Sq.M. | | |
| | 7.2 CEILING (flat wall enamel) | | 670.00 | Sq.M. | | |
| | 7.3 WOODEN DOORS AND JAMBS | | 5.00 | sets | | |
| | 7.4 book shelves | | 25.00 | units | | |
| | 7.5 ROOF FRAMING & STAIR RAIL | | | | | |
| | 7.5.1 | Epoxy Primer Gray | 15.00 | Gal | | |
| | 7.5.2 | Epoxy reducer | 10.00 | Gal | | |
| | | | SUB-TOTAL 7.0 | | | |
| 8.0 | TILEWORKS | | | | | |
| | 8.1 | Main interior floor(0.60mx0.60m) matte porcelain Tiles class AAA | 605.00 | Sq.M. | | |
| | 8.2 | side walk , ramp (0.60mx0.60m) Granite Tiles non skid GRDAAA | 200.00 | Sq.M. | | |
| | 8.3 | Stairs & Landing (30x30) Ceramic Tiles non skid GRD AAA | 99.20 | Sq.M. | | |
| | 8.4 | Comfort rooms wall (30x60) polish porcelain tiles GRD AAA | 110.00 | Sq.M. | | |
| | 8.5 | Comfort rooms floor (30x60) matte porcelain tiles GRD AAA | 34.25 | Sq.M. | | |
| | 8.6 | Façade tiling with 30x60 textured tiles | 189.15 | Sq.M. | | |
| | | | SUB-TOTAL 8.0 | | | |

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|----------------------|--|-------|--------|-----------|------------|
| 9.0 | CEILING | | | | |
| 9.1 | FLAT CEILING (gypsum) | | | | |
| 9.1.1 | Gypsum Board (1/2") | 620 | Sq.M. | | |
| 9.1.2 | Metal Frames | 620 | Sq.M. | | |
| 9.1.3 | mounting Accessories | 1 | Lot | | |
| 9.2 | FLAT CEILING (HARDIFLEX) | | | | |
| 9.2.1 | Hardiflex 5mmx4x8 | 34.25 | Sq.M. | | |
| 9.2.2 | Metal Frames | 34.25 | Sq.M. | | |
| 9.2.3 | mounting Accessories | 1 | lot | | |
| 9.3 | PVC SOFFIT CEILING | | | | |
| 9.3.1 | pvc soffit | 240 | Sq.M. | | |
| 9.3.2 | Metal Frames | 240 | Sq.M. | | |
| 9.3.3 | Mounting Accessories | 1 | Lot | | |
| SUB-TOTAL 9.0 | | | | | |
| 10.0 | PLUMBING WORKS | | | | |
| 10.1 | FRESH WATER LINES | | | | |
| 10.1.1 | PPR Pipes (1"), PNS 16 | 6 | Length | | |
| 10.1.2 | PPR Pipes (3/4"), PNS 16 | 3 | Length | | |
| 10.1.3 | PPR Pipes (1/2"), PNS 16 | 5 | Length | | |
| 10.1.4 | PPR Pipe Fittings (Elbows, Tees, Reducers, etc) | 1 | Lot | | |
| 10.1.5 | Consumables (Teflon, Cement Solvent, etc.) | 1 | Lot | | |
| 10.2 | SANITARY, VENT, & DRAINAGE LINES | | | | |
| 10.2.1 | PVC Pipe 4", S-40 | 8 | Length | | |
| 10.2.2 | PVC Pipe 2", S-40 | 15 | Length | | |
| 10.2.3 | PVC Pipe Fittings (Elbows, Wyes, Tees, Cleanouts, etc) | 1 | Lot | | |
| 10.2.4 | Pipes Cement Solvent | 4 | Liters | | |
| 10.2.5 | Construction of Septic Tank | 1 | lot | | |
| 10.3 | DRY STANDPIPE | | | | |
| 10.3.1 | G.I. Pipes (2 1/2", S-40) | 1 | Length | | |
| 10.3.2 | G.I. elbows (2-1/2", S-40) | 2 | pcs | | |
| 10.3.3 | G.I. couplings (2-1/2", S-40) | 1 | pcs | | |
| 10.3.4 | G.I. tee (2-1/2", S-40) | 1 | pcs | | |
| 10.3.5 | fire hose box with hose and nozzle | 2 | units | | |
| 10.3.6 | siamese twin 2-1/2 | 1 | units | | |
| 10.4 | STORM DRAIN | | | | |
| 10.4.1 | PVC Pipe (4", S-40) | 50 | Length | | |
| 10.4.2 | PVC coupling (4", S-40) | 40 | pcs | | |
| 10.4.3 | PVC elbow (4", S-40) | 35 | pcs | | |
| 10.4.4 | PVC Pipe 6" S-40 | 1 | length | | |
| 10.4.5 | Catch basins | 12 | units | | |
| 10.5 | PLUMBING ACCESSORIES | | | | |
| 10.5.1 | Stainless Floor Drain 4"x4" | 8 | Pcs | | |
| 10.5.2 | paper Holder | 8 | Pcs | | |
| 10.5.3 | Soap dispenser | 5 | Pcs | | |
| 10.5.4 | Ball Valves | 4 | Pcs | | |
| 10.6 | PLUMBING FIXTURES | | | | |
| 10.6.1 | Water Closet | 8 | Sets | | |
| 10.6.2 | Counter top Lavatory Vessel type | 4 | Sets | | |
| 10.6.3 | semi pedestal Lavatories | 2 | Sets | | |
| 10.6.4 | Urinal | 2 | Sets | | |
| 10.6.5 | Kitchen Sink | 1 | sets | | |
| 10.6.6 | Accessories & Fittings | 1 | Lot | | |

| ITEM | SCOPE OF WORK | | QTY | UNIT | UNIT COST | TOTAL COST |
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| 10.7 | MISCELLANEOUS | | | | | |
| | 10.7.1 | Hangers, Clamps, Consumables | 1 | Lot | | |
| 10.8 | Testing & Commissioning of Plumbing Works | | 1 | Lot | | |
| | | | SUB-TOTAL 10.0 | | | |
| 11.0 | ELECTRICAL & AUXILIARY WORKS | | | | | |
| | 11.1 | LIGHTING & POWER LAYOUT | | | | |
| | 11.1.1 | PVC Conduit 1/2, S-40 | 250 | Length | | |
| | 11.1.2 | PVC Conduit 1-1/2, S-40 | 10 | Length | | |
| | 11.1.3 | PVC Conduit 3", S-40 | 15 | Length | | |
| | 11.1.4 | PVC flexible hose 1/2 | 4 | rolls | | |
| | 11.1.5 | THHN Copper Wire 10/7 | 7 | rolls | | |
| | 11.1.6 | THHN Copper Wire 12/7 | 80 | rolls | | |
| | 11.1.7 | THHN Copper Wire 14/7 | 40 | rolls | | |
| | 11.1.8 | pvc Junction Box (4X4,) | 300 | Pcs | | |
| | 11.1.9 | pvc Utility Box (2x4) | 120 | Pcs | | |
| | 11.1.10 | PVC Square BOx with cover | 30 | Pcs | | |
| | 11.1.11 | Pull box 4x12x12 | 2 | Pcs | | |
| | 11.1.12 | wire gutter 5x12x48 | 1 | Pcs | | |
| | 11.1.13 | Convenience outlet 2 gang | 63 | set | | |
| | 11.1.14 | aircon outlet 1 gang | 10 | set | | |
| | 11.1.15 | Emergency Light Outlets | 10 | set | | |
| | 11.1.16 | LED exit sign outlets | 7 | set | | |
| | 11.1.17 | Wall lamp outlets | 20 | set | | |
| | 11.1.18 | Exhaust Fan Outlets | 2 | set | | |
| | 11.1.19 | Switch 1 gang | 6 | set | | |
| | 11.1.20 | Switch 2 gang | 7 | set | | |
| | 11.1.21 | Switch 3 gang | 11 | set | | |
| | 11.1.22 | Switch 3 gang 3 way | 2 | set | | |
| | 11.1.23 | magnetic switch 3HP | 11 | sets | | |
| | 11.1.24 | fitting connectors etc. | 1 | lot | | |
| | 11.1.25 | tapes , solvent cement | 1 | lot | | |
| | 11.2 | LIGHTING FIXTURE | | | | |
| | 11.2.1 | rectangular LED Panel Lighting Sictures | 27 | Sets | | |
| | 11.2.2 | T-5 Flourescent Fixture Complete w/ Accessories 1-28watts | 31 | Sets | | |
| | 11.2.3 | T-5 Flourescent Fixture Complete w/ Accessories 1-21watts | 8 | Sets | | |
| | 11.2.4 | LED glass covered Pinlights 4" with 12 watts bulb | 165 | Sets | | |
| | 11.2.5 | wall lamp up light | 20 | sets | | |
| | 11.2.6 | LED illuminated exit signs | 7 | pcs | | |
| | 11.2.7 | LED eyeball emergency light | 10 | sets | | |
| | 11.3 | BREAKERS AND PANELBOXES | | | | |
| | 11.3.1 | PB-1 Panel Box 20 branches industrial type 3phase center main bolt-on; 75main; 5-15amps; 3-20amps; 6-30amps | 1 | set | | |
| | 11.3.2 | PB-2 Panel Box 20 branches industrial type 3phase center main bolt-on; 75main; 4-15amps; 3-20amps; 7-30amps | 1 | set | | |
| | 11.3.3 | MDP Panel Box industrial type 3phase center main bolt-on; 250 main; | 1 | set | | |
| | 11.3.4 | 100mm THHN wire | 200 | mtrs | | |
| | 11.3.5 | 14mm THHN wire | 30 | mtrs | | |
| | 11.3.6 | 22mm THHN wire | 40 | mtrs | | |
| | 11.3.7 | Entrance Cap | 1 | pc | | |

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|-----------------------|--------------------------------------|--|-----|-------|-----------|------------|
| | 11.3.8 | Male adaptor | 1 | pc | | |
| | 11.3.9 | HD secondary rack | 1 | set | | |
| | 11.3.10 | U-bolt connector | 3 | pcs | | |
| | 11.3.11 | rubber tape | 3 | rolls | | |
| | 11.3.12 | Conduits and Fittings | 1 | lot | | |
| | 11.4 | TESTING & COMMISSIONING OF ELECTRICAL WORKS | 1 | Lot | | |
| SUB-TOTAL 11.0 | | | | | | |
| 12.0 | ELECTRONICS AND COMMUNICATION | | | | | |
| | 12.1 | CCTV | | | | |
| | 12.1.1 | DVR (16 inputs) full HD, USB, Network) or higher | 1 | unit | | |
| | 12.1.2 | 1MP, 3.6mm, 20m IR indoor/outdoor Camera or higher | 16 | unit | | |
| | 12.1.3 | 4 terabyte hard disk (SATA) | 1 | unit | | |
| | 12.1.4 | LCD Monitor 32" | 1 | unit | | |
| | 12.1.5 | Centralized power supply 12v/30amp | 1 | unit | | |
| | 12.1.6 | cables/wire (siamese cable) | 1 | lot | | |
| | 12.1.7 | AVR | 1 | unit | | |
| | 12.2 | FIRE DETECTION AND ALARM AND SYSTEM (fdas) | | | | |
| | 12.2.1 | manual station break glass | 5 | unit | | |
| | 12.2.2 | FDAS Wired smoke detector | 19 | unit | | |
| | 12.2.3 | fire alarm siren with stobe LED light | 4 | unit | | |
| | 12.2.4 | Fire Alarm control panel 4 zones | 1 | set | | |
| | 12.2.5 | 12V/9AH battery | 1 | units | | |
| | 12.2.6 | Cables Tray, wires, Pipings, etc | 1 | lot | | |
| | 12.3 | AVR Sound system | | | | |
| | 12.3.1 | Power amplifier 500 watts | 1 | lot | | |
| | 12.3.2 | Pre Amplifier Mixer 4 mic input | 1 | unit | | |
| | 12.3.3 | speaker wall mounted (100rms) | 4 | unit | | |
| | 12.3.4 | speaker stand alone | 1 | unit | | |
| | 12.3.5 | Cables Tray, Speaker AWG wires # 16, Pipings, etc | 1 | lot | | |
| | 12.4 | NETWORK | | | | |
| | 12.4.1 | close data cabinet wall mounted 2' | 1 | lot | | |
| | 12.4.2 | Cat 5e/6 Patch panel 48 ports | 2 | unit | | |
| | 12.4.3 | 1/0 with 2 gang and face Plate | 20 | sets | | |
| | 12.4.4 | Cables/Wires (CAT 5E/6) | 1 | lot | | |
| | 12.5 | CATV | | | | |
| | 12.5.1 | f. Connector Wall Mount with Face Plate | 5 | units | | |
| | 12.5.2 | Cables/wires (RG ⁶) | 1 | lot | | |
| | 12.6 | TELEPHONE | | | | |
| | 12.6.1 | single line Telephone set | 1 | units | | |
| | 12.6.2 | SLA Krone Terminal Block 10 pairs | 1 | units | | |
| | 12.6.3 | 1/0 for telephone outlet | 1 | units | | |
| | 12.6.4 | Cables/wires (telephone wire Cat 5e) | 1 | lot | | |
| | 12.7 | GROUNDING SYSTEM | | | | |
| | 12.7.1 | Ground Bus Bar (1/4"x1"x12") | 1 | pc | | |
| | 12.7.2 | Bronze Ground Rod 3 meters | 2 | pc | | |
| | 12.7.3 | AWG no. 4 or higher | 12 | mtrs | | |
| | 12.7.4 | Connectors, Bolts, etc | 1 | lot | | |
| SUB-TOTAL 11.0 | | | | | | |
| 13.0 | GLASSWORKS | | | | | |
| | 13.1 | w1 Fixed reflective 6mm Glass Windows with 2 operable awning window on powder coated aluminum frames 3.60mx2.15m | 6 | sets | | |
| | 13.2 | w2 Fixed reflective 6mm Glass Windows with 2 operable awning window on powder coated aluminum frames 4.60mx2.15m | 3 | sets | | |

| ITEM | SCOPE OF WORK | QTY | UNIT | UNIT COST | TOTAL COST |
|-----------------------|--|-------|-------|-----------|------------|
| 13.3 | w3 Fixed reflective 6mm Glass Windows with 2 operable awning window on powder coated aluminum frames 1.725mx2.15m | 1 | sets | | |
| 13.4 | w4 awning window 6mm reflective glass on powder coated aluminum with fixed top and bottom panels 3.6mx1.80m | 4 | sets | | |
| 13.5 | w5 awning window 6mm reflective glass on powder coated aluminum with fixed top and bottom panels 1.75mx1.80m | 2 | sets | | |
| 13.6 | w6 awning window 6mm reflective glass on powder coated aluminum with fixed top and bottom panels 0.938mx1.80m | 10 | sets | | |
| 13.7 | w7 awning window 6mm reflective glass on powder coated aluminum with fixed top and bottom panels 1.60mx3.20m | 1 | sets | | |
| 13.8 | w8 awning window 6mm reflective glass with 1-3/4x4 tubular on pc-white aluminum white 0.6mx0.6m | 2 | sets | | |
| 13.9 | w8 awning window with transom 6mm reflective glass with 1-3/4x4 tubular on pc-white aluminum white 3.60mx1.10m | 10 | sets | | |
| 13.10 | w10 fixed glass window 6mm reflective glass with 1-3/4x4 tubular on pc-white aluminum white 0.3mx2.4m | 10.00 | sets | | |
| 13.11 | w11 fixed glass window with top awning 6mm reflective glass with 1-3/4x4 tubular on pc-white aluminum white 3.6mx1.8m | 2.00 | sets | | |
| 13.12 | w12 awning window 6mm reflective glass with 1-3/4x4 tubular on pc-white aluminum white 1.2mx0.6m | 3.00 | sets | | |
| 13.13 | w13 awning window 6mm reflective glass with 1-3/4x4 tubular on pc-white aluminum white 1.2mx0.4m | 1.00 | sets | | |
| 13.14 | D-8 swing door using 10mm clear glass on FD Section on pc white aluminum frame overall size 0.9mx2.1m | 1.00 | sets | | |
| 13.15 | DW-01/DW01B swing door using 10mm clear glass on FD Section WITH FIXED SIDELITES on pc white aluminum frame overall size 3.6mx3.150m | 2.00 | sets | | |
| 13.16 | DW-03 TWIN LEAF swing door using 10mm clear glass on FD Section WITH FIXED SIDELITES on pc white aluminum frame overall size 3.6mx2.550m | 1.00 | sets | | |
| 13.17 | DW-02 swing door using 10mm clear glass on FD Section WITH FIXED SIDELITES on pc white aluminum frame overall size 4.6mx2.150m | 1.00 | sets | | |
| 13.18 | cw1 Fixed reflective 6mm Glass Curtain wall with operable awning window on powder coated aluminum frames overall size 3.60mx3.70m | 1.00 | sets | | |
| 13.19 | 1/4" c;ear glass inserts 0.2-x1.00m | 2.00 | sets | | |
| 13.20 | Mirror with plyboard backing (floating) 0.80mx1.20m | 2 | sets | | |
| 13.21 | Mirror with plyboard backing (floating) 0.80mx0.60m | 2 | sets | | |
| SUB-TOTAL 13.0 | | | | | |
| 15.0 | TERMITE CONTROL | | | | |
| 15.1 | Soil Poisoning | 390 | sq.mt | | |
| SUB-TOTAL 15.0 | | | | | |
| 16.0 | THERMAL CONTROL | | | | |
| 16.1 | Insulation | 390 | sq.mt | | |
| SUB-TOTAL 16.0 | | | | | |
| 17.0 | ARCHITECTURAL SPECIALTIES | | | | |
| 17.1 | Modular toilet cabinets made from laminated phenolic board on an stainless steel tubular frame and brackets with door and lockset | 6 | Sets | | |
| 17.2 | Sashworks | | | | |
| 17.2.1 | D1 Hollow Core Laminated twin leaf swing flushed Door 1.40mx2.10m with glass viewer 2"x8" wooden Jamb | 1 | Sets | | |
| 17.2.2 | D2 Hollow Core metal flushed Door 0.90mx2.10m with panic bar on metal Jamb | 2 | Sets | | |
| 17.2.3 | D3 Hollow Core Laminated flushed Door 0.90mx2.10m with 2"x8" with louvers on wooden Jamb | 1 | Sets | | |
| 17.2.4 | D4 Hollow Core Laminated flushed Door 0.80mx2.10m with 2"x8" with louvers on wooden Jamb | 2 | Sets | | |
| 17.2.5 | D5 Hollow Core Laminated flushed Door 0.80mx2.10m with 2"x8" on wooden Jamb | 3 | Sets | | |

| ITEM | SCOPE OF WORK | | QTY | UNIT | UNIT COST | TOTAL COST |
|-----------------------|--------------------------------|---|-----|-------|-----------|------------|
| | 17.2.6 | D6 Hollow Core Laminated flushed Door 0.6mx2.10m with louvers on 2"x6" on wooden Jamb | 1 | Sets | | |
| | 17.2.7 | D-7 wooden pocket sliding door with sliding door mechanisms 0.70x2.10m | 1 | Sets | | |
| | 17.3 | Door Lockset | | | | |
| | 17.3.1 | Lever Type Satin Finished Door Lockset | 11 | sets | | |
| | 17.3.2 | Lever Type Satin Finished Dummy Lockset | 1 | sets | | |
| | 17.3.3 | Stainless hinges 3-1/2"x3-1/2" | 17 | pairs | | |
| SUB-TOTAL 17.0 | | | | | | |
| 18.0 | BOOK SHELVES and TABLES | | | | | |
| | 18.1 | BOOK SHELVES | | | | |
| | 18.1.1 | Wall shelves 6 ft high | 15 | unit | | |
| | 18.1.2 | Island Type shelves 6ft high | 10 | unit | | |
| | 18.2 | TABLES | | | | |
| | 18.2.1 | study table y shaped | 6 | unit | | |
| | 18.2.2 | computer tables 4 seater | 1 | unit | | |
| | 18.2.3 | computer tables 3 seater | 8 | unit | | |
| | 18.2.4 | computer tables 2 seater | 1 | unit | | |
| | 18.2.5 | check out counter | 1 | unit | | |
| SUB-TOTAL 18.0 | | | | | | |
| 19.0 | SIGNS AND SIGNAGES | | | | | |
| | 19.1 | Outdoor Signage ACP | 1 | lot | | |
| | 19.2 | Indoor Signages acrylic with stickers 4"x20" | 14 | units | | |
| SUB-TOTAL 19.0 | | | | | | |
| 20.0 | HVAC | | | | | |
| | 20.1 | Floor Mounted Split Type Aircon 3TR Inverter | 9 | Sets | | |
| | 20.2 | Wall Mounted Split Type Aircon 2.5HP Inverter | 1 | Sets | | |
| | 20.3 | Window Type 1.0 HP airconditioner 220v | 1 | units | | |
| | 20.4 | Condenser steel Hanger racks | 10 | Sets | | |
| | 20.5 | window Type Aircon steel cage | 1 | set | | |
| | 20.6 | Exhaust Fans | 2 | Sets | | |
| SUB-TOTAL 20.0 | | | | | | |
| GRAND TOTAL | | | | | | |

| ITEM | SCOPE OF WORK | QTY | UNIT | UNIT COST | TOTAL COST |
|------|---------------|-----|------|-----------|------------|
|------|---------------|-----|------|-----------|------------|