



**Annex B: Scope of Works**

**Name of Project: ELECTRICAL REWIRING OF HIGH SCHOOL BUILDING**

ITEM No.	ITEMS OF WORK	QTY	UNIT	SCOPE OF WORKS
1100(30)	<b>CONDUITS, BOXES &amp; FITTINGS</b>	1.00	<b>lumpsum</b>	<p>-includes installation and rectification of wireways/ raceways of electrical circuits.                      -specs are as follows:</p> <p>Lighting/ Power/ Fan/ ACU: GF                      Flexible Conduits (PVC/uPVC) - 25mm Ø                      Flexible Conduit (PVC/uPVC) adapter with locknut - 25mmØ                      Rectangular Moulding (PVC/uPVC) - 30mm x 25mm x 2.44m                      PVC/uPVC Junction box                      Surface Mounted PVC/uPVC Utility Box (white)                      PVC/uPVC Square box                      Mca Tubing</p> <p>Lighting/ Power/ Fan/ ACU: 2F                      Flexible Conduits (PVC/uPVC) - 25mm Ø                      Flexible Conduit (PVC/uPVC) adapter with locknut - 25mmØ                      Rectangular Moulding (PVC/uPVC) - 30mm x 25mm x 2.44m                      PVC/uPVC Junction box                      Surface Mounted PVC/uPVC Utility Box (white)                      PVC/uPVC Square box                      Mca Tubing</p> <p>SE to PPD:                      PVC pipe 32mmØx3m                      PVC pipe locknut with adaptor 32mmØ                      PVC pipe long elbow 32mmØ                      Service Entrance Cap 32mmØ</p> <p>SE to PPE:                      PVC pipe 32mmØx3m                      PVC pipe locknut with adaptor 32mmØ                      PVC pipe long elbow 32mmØ</p> <p>SE to PPB:                      PVC pipe 32mmØx3m                      PVC pipe locknut with adaptor 32mmØ                      PVC pipe long elbow 32mmØ                      Service Entrance Cap 32mmØ</p> <p>SE to PPC:                      PVC pipe 32mmØx3m                      PVC pipe locknut with adaptor 32mmØ                      PVC pipe long elbow 32mmØ                      Wire gutter Powder Coat 6x8x24"</p> <p>Consumables:                      Electrical tape (0.16mmx19mmx16m)</p>



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				Rubber tape (0.16mmx19mmx8m) Concrete scrow w/ toks 8mm/50pcs
1101(42)	<b>WIRES AND WIRING DEVICES</b>	<b>1.00</b>	<b>lumpsum</b>	-includes installation and rectification of wires/wiring devices -specs are as follows:  Lighting/ Power/ Fan/FA: GF 3.5mm <sup>2</sup> THHN Cu wire stranded Single Pole Wall Switch on one switch plate Duplex (2 Single Pole Wall Switches on one switch plate) Triplex (3 Single Pole Wall Switches on one switch plate) Three-way Switch  ACU: GF 5.5mm <sup>2</sup> THHN Cu wire stranded 2.0mm <sup>2</sup> THHN Cu wire stranded green (Gnd) Heavy Duty Convenience Outlet/Receptacles (SPO)  Lighting/ Power/ Fan/FA: 2F 3.5mm <sup>2</sup> THHN Cu wire stranded  ACU: 2F 5.5mm <sup>2</sup> THHN Cu wire stranded 2.0mm <sup>2</sup> THHN Cu wire stranded green (Gnd) Heavy Duty Convenience Outlet/Receptacles (SPO)  Main Feeder: 50mm <sup>2</sup> THHN Cu wire stranded 8.0mm <sup>2</sup> THHN Cu wire stranded 50mm dia. Split bolt connector  Sub-feeder: PPD/PPE/PPB/PPC: 14mm <sup>2</sup> THHN Cu wire stranded 8.0mm <sup>2</sup> THHN Cu wire stranded  Service Drop Wires: ACSR 2/0 Secondary rack two spool assembly  Grounding: 20mmØX2.4m ground rod 30mmØ grounding clamp
1102(27)	<b>POWER LOAD CENTER, SWITCHGEAR AND PANELBOARDS</b>	<b>1.00</b>	<b>lumpsum</b>	-includes installation and rectification of service equipment. -specs are as follows:  Panel Board PPD/PPE: Main: 60AT, 2P+G, 16KAIC MCCB, Bolt-On Branches: 12-20 AT, all 2P+G, Bolt-ON, 10KAIC in NEMA1 Enclosure, Flash Mounted, Grounding and Terminal Lugs ready.  Panel Board PPB: Main: 60AT, 2P+G, 16KAIC MCCB, Bolt-On Branches: 6-20 AT, all 2P+G, Bolt-ON, 10KAIC in NEMA1 Enclosure, Flash Mounted, Grounding and Terminal Lugs ready.  Panel Board PPC: Main: 60AT, 2P+G, 16KAIC MCCB, Bolt-On Branches: 8-20 AT, all 2P+G, Bolt-ON, 10KAIC in NEMA1 Enclosure, Flash Mounted, Grounding and Terminal Lugs ready.



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<b>1103.00</b>	<b>LIGHTING FIXTURES</b>	<b>1.00</b>	<b>lumpsum</b>	<p>-includes installation and rectification of lighting fixtures. -specs are as follows:</p> <p>2x40 Louver Housing Surface Mount 12"x48" 300x1200mm, 2 pcs 1200mm T8 Tube Lights 2000 Lm, Metal Sheet Housing, Mirrorized Reflector, G13, Surface Mount, Double End, IP 40</p> <p>1x40 Louver Housing Surface Mount 12"x48" 300x1200mm, 1 pc 1200mm T8 Tube Lights 2000 Lm, Metal Sheet Housing, Mirrorized Reflector, G13, Surface Mount, Double End, IP 40</p> <p>LED Downlights 18W, 1300Lm, 6500K, Daylight, 215dia.x35mm,</p> <p>Twin Head Emergency Light, 2 x 5 Watts, Two fully adjustable glare-free round shape light heads, Electro galvanized steel with epoxy powder coating, AC 220V – 265V 50/60 Hz, High Brightness LED COB, IP 40</p>
<p><b>NOTE:</b></p> <ol style="list-style-type: none"> <li><b>1. ALL EQUIPMENTS INCLUDED IN THE PROGRAM MUST BE USED DURING SITE CONSTRUCTION.</b></li> <li><b>2. ALL MATERIALS MUST BE APPROVED/CHECKED BY THE INFRA PERSONNEL BEFORE INSTALLATION.</b></li> <li><b>3. PLEASE REFER TO THE PLAN FOR OTHER SPECIFICATIONS.</b></li> </ol>				