



Annex B: Scope of Works

**Name of Project: UPGRADING OF FOOD PROCESSING & RESEARCH CENTER**

ITEM No.	ITEMS OF WORK	QTY	UNIT	SCOPE OF WORKS
B.7	OCCUPATIONAL SAFETY AND HEALTH PROGRAM	1.00	lumpsum	<p>- covers safety personal protective equipment to be used during the construction until the project is done</p> <p>Materials are as follows:</p> <ol style="list-style-type: none"> <li>1. safety gloves</li> <li>2. safety shoes</li> <li>3. safety helmets</li> </ol>
801	REMOVAL OF STRUCTURES AND OBSTRUCTION (WALL)	1.00	lumpsum	<p>- covers the chipping and grinding of wall finishes intended for service equipment to be installed including wireways.</p> <p><b>*Note: Refer to plans for location</b></p>
1100	CONDUITS, BOXES AND FITTINGS	1.00	lumpsum	<p>-covers item specified in the plans.</p> <p>- Rectification of wireways for power outlets specified to plans.</p> <p>-specs are as follows:</p> <p>Power:</p> <p>PVC/uPVC Surface Utility Box            Rectangular Moulding (PVC/uPVC) - 25mm x 25mm x 2.44m            PVC/uPVC Square box</p> <p>Consumables:</p> <p>Electrical tape (0.16mmx19mmx16m)            Multi- Purpose Construction Adhesive 320g            Concrete screw with toks3/4 " 50p</p>
1101	WIRES AND WIRING DEVICES	1.00	lumpsum	<p>-covers item specified in the plans</p> <p>- Rectification of wires for power outlets and service equipment grounding.</p> <p>- Tapping of secondary lines to nearest existing 3phase transformer including service entrance of the building.</p> <p>- Clearing of vegetations along areas that secondary lines are installed.</p> <p>-specs are as follows:</p> <p>Power:</p> <p>50mm<sup>2</sup> THHN Cu wire stranded (Sub- feeder)            14mm<sup>2</sup> THHN Cu wire stranded (Sub-feeder)            5.5mm<sup>2</sup> THHN Cu wire stranded (SPO)            3.5mm<sup>2</sup> THHN Cu wire stranded            Koten Safety Breaker with outlet 20A Circuit Breaker</p> <p>Service Drop Wires:</p> <p>Conductor, 25 kv Insulated, Tree Wire, ACSR/AW - TR/OC-SB #3/0, AWG 6/1 (Meters)            Connector, Compression, YHD 350, Run #3/0-Tap #1</p> <p>Secondary rack with spool- 3 wire            Split Bolt Connector 60mm<sup>2</sup></p> <p>Grounding:</p> <p>3.5mm<sup>2</sup> THHN Cu wire stranded</p>



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				<p>Copper Clad Ground Rod, 8m length          Ground Rod Clamp, 5/8 Galvanized Electrical          Grounding Clamp, Heavy Duty</p> <p>Consumables:          Rubber tape (0.16mmx19mmx8m)          Wireless Smoke Detector Smoke Sensor Fire          Detector Home Fire Alarm Long Battery White          Color</p>
<b>1102</b>	<b>POWER LOAD CENTER, SWITCH GEAR AND PANEL BOARD</b>	1.00	lumpsum	<p>- Includes installation of service equipment MTS and PB1 including grounding.          materials:</p> <p>Panel Board PB1 Main: 60AT, 3P+G, 10KAIC MCCB, Bolt-on w/          8-Branched: 8-20A, all 2P+G, Bolt-On, 10KAIC in NEMA-1          Enclosure, Flush mounted, complete with grounding terminals.</p> <p>MTS: 3 Phase Manual Transfer Switch, 2-150AT,3P, 240V,          Bolt-On, Complete with NEMA1 enclosure ang grounding          terminals, mechanically interlocked.</p>
<b>1103</b>	<b>LIGHTING FIXTURES</b>	1.00	lumpsum	<p>-covers item specified in the plans          -Installation of emergency lighting fixtures projected in plans.</p> <p>-specs are as follows:          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>