ELECTRICAL WORKS

Project : Propopsed 2 Storey Advanced Manufacturing Center Location : General Santos Ave., Bicutan, Taguig City, Metero Manila

Subject : Electrical Works Cost Date : Tuesday, 16 July 2019

| | | | ESTIMATED DIRECT COST | | | | | | MARK UPS IN TOTAL MARK UP | | | | | | |
|---------|--|-----|-----------------------|-------|-------|-------|-------|-----|---------------------------|---|------------|-----|---------------|------------|-----------|
| ITEM NO | WORK DESCRIPTION | QTY | UNIT | | | | | | | | AL MARK UP | VAT | TOTAL | TOTAL COST | UNIT COST |
| | | | | MAT'L | LABOR | M + L | TOTAL | OCM | PROFIT | % | AMOUNT | | INDIRECT COST | | |
| 1 | ELECTRICAL WORKS - GROUND FLOOR | | | | | | | | | | | | | | |
| | 1.1 Power & Lighting | | | | | | | | | | | | | | |
| | Roughing Ins incl. fittings, consumables, hanger rods and | | | | | | | | | | | | | | |
| | a. supports | | | | | | | | | | | | | | |
| | a.1 20mm dia | | lm | | | | | | | | | | | | |
| | a.2 25mm dia | | lm | | | | | | | | | | | | |
| | a.3 32mm dia | | lm | | | | | | | | | | | | |
| | a.4 40mm dia | | lm | | | | | | | | | | | | |
| | a.5 50mm dia | | lm | | | | | | | | | | | | |
| | a.6 110mm dia | | lm | | | | | | | | | | | | |
| | Accessories incl. hangers rods, supports and consumables | | | | | | | | | | | | | | |
| | b.1 Utility Box | | sets | | | | | | | | | | | | |
| | b.2 Junction Box | | sets | | | | | | | | | | | | |
| | c. Wires, THHN | | | | | | | | | | | | | | |
| | c.1 3.5mmsq | | lm | | | | | | | | | | | | |
| | c.2 5.5mmsq | | lm | | | | | | | | | | | | |
| 1 | c.3 8.0mmsq | 1 | lm | | | | | - | | | | | | | |
| | c.4 14.0mmsq | | lm Im | | | | | | | | | | | | |
| | c.5 22.0mmsq c.6 30.0mmsq | | lm lm | | | | | - | | | | | | | |
| | c.7 38.0mmsq | | lm | | | | | | | | | | | | |
| | c.8 50.0mmsq | | lm | | | | | | | | | | | | |
| | c.9 100.0mmsq | | lm | | | | | | | | | | | | |
| | c.10 150.0mmsq | | lm | | | | | | | | | | | | |
| | c.11 200.0mmsq | | lm | | | | | | | | | | | | |
| | c.12 250.0mmsq | | lm | | | | | | | | | | | | |
| | d. Panel Board | | | | | | | | | | | | | | |
| | d.1 LP1A | | assy | | | | | | | | | | | | |
| | d.2 LP1B | | assy | | | | | | | | | | | | |
| | d.3 LP1 | | assy | | | | | | | | | | | | |
| | d.4 MDLP | | assy | | | | | | | | | | | | |
| | d.5 PP1, PP1B, PP1C | | assy | | | | | | | | | | | | |
| | d.6 MDPP | | assy | | | | | | | | | | | | |
| | d.7 PPP | | assy | | | | | | | | | | | | |
| | d.8 ATS | | assy | | | | | | | | | | | | |
| | d.9 MDB | | assy | | | | | | | | | | | | |
| | d.10 ECB PP-1 d.11 ECB PP-3 | | assy | | | | | | | | | | | | |
| | d.12 ECB PP-4 | | assy | | | | | | | | | | | | |
| | d.13 ECB PP-5 | | assy | | | | | | | | | | | | |
| | d.14 ECB PP-6 | 1 | assy | | | | | | | | | | | | |
| | d.15 ECB PP-9 | | assy | | | | | | | | | | | | |
| | d.16 LP2A | 1 | assy | | | | | 1 | | | | | | | |
| | d.17 LP2B | | assy | | | | | | | | | | | | |
| | d.18 LP2C | | assy | | | | | | | | | | | | |
| | d.19 LP2D | | assy | | | | | | | | | | | | |
| | d.20 LPX | | assy | | | | | | | | | | | | |
| | d.21 LP-2 | | assy | | | | | | | | | | | | |
| ļ | d.22 PP1A | | assy | | | | | | | | | | | | |
| - | d.23 PP2 | 1 | assy | | | | | 1 | | | | | | | |
| | d.24 PP2A | | assy | | | | | - | | | | | | | |
| - | d.25 LPPH | | assy | | | | | | | | | | | | |
| | e. Meter Center | | Im | | | | | | | | | | | | |
| | e.1 100mm dia IMC e.2 Eye Bolt | | lm set | | | | | - | | | | | | | |
| | e.2 Eye Bolt e.3 Entrance Cap | | sets | | | | | | | | | | | | |
| | e.4 Meter Base | | sets | | | | | 1 | | | | | <u> </u> | | |
| | e.5 MCB | | assy | | | | | | | | | | | | |
| | e.6 50mm dia PVC Conduit | | lm | | | | | | | | | | | | |
| | e.7 50.0mmsq TW Wire | | lm | | | | | | | | | | | | |

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|----------|---|----------|--------------|--|--|----------|-----|--|-------|--|--------------|------|
| | e.8 16mm dia x 3.0m L Ground Rod | set | | | | | | | | | | |
| | f. Devices | | | | | | | | | | | |
| | f.1 Duplex CO | sets | | | | | | | | | | |
| | f.2 Floor Mounted Duplex CO | sets | | | | | | | | | | |
| | f.3 GFCI | sets | | | | | | | | | | |
| | f.4 1 Gang Switch | sets | | | | | | | | | | |
| | f.5 2 Gang Switch | sets | | | | | | | | | | |
| | f.6 3 Gang Switch | sets | | | | | | | | | | |
| | f.7 3 Way 3 Gang Switch | sets | | | | | | | | | | |
| - | | sets | | | | | | | | | | |
| - | g. Lighiting Fixtures | | | | | | | | | | | |
| | g.1 600x600 LED Slim Panel | sets | | | | | | | | | | |
| | 300x1200mm Recessed Moisture / Dust Proof | sets | | | | | | | | | | |
| | Fluorescent Luminaire | 3013 | | | | | | | | | | |
| | 300x1200mm Surface Moisture / Dust Proof Fluorescent | | | | | | | | | | | |
| | g.3 Luminaire | sets | | | | | | | | | | |
| | | | | | | | | | | | | |
| | g.4 150mm Round Surface Mounted Pin Light | sets | | | | | | | | | | |
| | g.5 1200mm T5 Cove Light | sets | | | | | | | | | | |
| | 150mm Square Recessed Horizontal Full Frosted Glass | cotc | I | I | ĺ | | | | | I | ĺ |] |
| | g.6 Pin Light | sets | I | I | ĺ | | | | | I | ĺ | |
| | _ 150mm Round Recessed Horizontal Center Frosted Glass | | | | | | | | | | | |
| | g.7 Pin Light | sets | I | I | ĺ | | | | | I | ĺ | |
| | Pili Light | _ | | | | | | | | | | |
| | g.8 Decorative Drop Lights | set | | | | | | | | | | |
| | g.9 Weather Proof Wall Mounted Lamp | sets | | | | | | | | | | |
| | g.10 50W Led Post Light Incl. Pedestal & Steel Post | sets | | | | | | | | | | |
| | g.11 30W Garden Lights | sets | | | | | L 1 | L | | | | |
| | h. Equipment | | I | | 1 | | | 1 | - | | 1 | |
| | h.1 250kVA 230V 3ohm 60Hz Genset | lot | | | | | | | | | | |
| | 1.2 Grounding System | | | | | | | | | | | |
| | a. Wires | | | | | | | | | | | |
| + | a.1 30.0mmsq BCW | lm | | | | | | | | | | |
| | a.2 20mm dia x 3.0m Ground Rod | sets | | | | | | | | | | |
| + | | | | | | | | | | | | |
| | a.3 Exotermic Weld to Rod incl. mold, ignitor and powder | sets | | | | | | | | | | |
| | Exotermic Weld to Column incl. mold, ignitor and | | | | | | | | | | | |
| | a.4 powder | sets | | | | | | | | | | |
| + | 1.3 Telecomunications and Data System | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Roughing Ins incl. fittings, consumables, hanger rods and | | | | | | | | | | | |
| | supports | | | | | | | | | | | |
| | a.1 25mm dia | lm | | | | | | | | | | |
| | a.2 40mm dia | lm | | | | | | | | | | |
| | b. Accessories | | | | | | | | | | | |
| | b.1 Utility Box | sets | | | | | | | | | | |
| | b.2 Junction Box | sets | | | | | | | | | | |
| | b.3 Pull Box 12 x 12 | set | | | | | | | | | | |
| | b.4 IDF Cabinet | lot | 1 | 1 | 1 | | | | | 1 | 1 | |
| | b.5 CTC Cabinet | lot | <u> </u> | <u> </u> | 1 | | | | | <u> </u> | | |
| | c. Wires incl. pull wire | 101 | † | † | | | | | | † | | |
| | | Im | 1 | | 1 | | | - | | | | |
| | c.1 CAT6 4 Pairs | lm lm | 1 | | 1 | | | - | | | | |
| | c.2 CAT6 50 Pairs | lm | - | - | - | | | | | - | - | |
| | c.3 4 Core Multi Mode Fiber Optic | lm | | | | | | | | | | |
| | d. Devices | - | - | - | - | | | ļ | | - | - | |
| | d.1 Data Outlet | sets | | | | | | | | | | |
| | d.2 Telephone Outlet | sets | L | L | L | | | | | | ļ | |
| | e. Equipment | | | | | | | | | | | |
| | e.1 Wifi Access Points Ceiling Mounted | sets | L | L | L | | | | | L | <u></u> | |
| | e.2 RFID Door Access Incl. Door Magentic Lock | sets | | | | | L 1 | L | | | | |
| | 1.4 Fire Detecting System | \perp | | | | | | L | | | | |
| | Roughing Ins incl. fittings, consumables, hanger rods and | | | | | | | 1 | | | 1 | |
| | a. supports | | I | I | ĺ | | | | | I | ĺ | |
| | | 1 | - | - | - | | | | | - | - | |
| | a.1 20mm dia | lm | - | - | - | | | | | - | - | ļ |
| | b. Accessories | - | - | - | - | | | ļ | | - | - | |
| | b.1 Utility Box | sets | | | | | | | | | | |
| | b.2 Junction Box | sets | L | L | L | | | | | L | L | |
| | c. Wires incl. pull wire | | | | | | | | | | | |
| | c.1 1.25mmsq | lm | | | | <u> </u> | | L | | | <u> </u> | |
| | d. Fixtures | \perp | | | | | | L | | | | |
| | d.1 Smoke Detector Conventional Type | sets | | | | | | 1 | | | 1 | |
| | d.2 Manual Pull Station | sets | | | | | | | | | | |
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|----------|--|---------------------------------------|--|--|---|---|---|--|---|---|--|
| | d.3 Fire Horn with Strobe Light | S | sets | | | | | | | | |
| | e. Equipment | | | | | | | | | | |
| | e.1 Fire Alarm Control Panel | | lot | | | | | | | | |
| | 1.5 Public Address System | | | | | | | | | | |
| | Roughing Ins incl. fittings, consumables, hanger rods and | | | | | | | | | | |
| | a. supports | | | | | | | | | | |
| | a.1 20mm dia | | lm | | | | | | | | |
| | | | 1111 | | | | | | | | |
| I | b. Accessories | - | | | | | | | | | |
| | b.1 Junction Box | | ets | | | | | | | | |
| | b.2 Pull Box 6x6 | S | ets | | | | | | | | |
| | c. Wires incl. pull wire | | | | | | | | | | |
| | c.1 1.25mmsq | | lm | | | | | | | | |
| | d. Fixtures | | | | | | | | | | |
| | d.1 7" Ceiling Speakers 6W | S | ets | | | | | | | | |
| | d.2 Microphone | S | ets | | | | | | | | |
| | e. Equipment | | | | | | | | | | |
| | e.1 BGM Equipment | | lot | | | | | | | | |
| | 1.6 Surveilance System | | | | | | | | | | |
| | Roughing Ins incl. fittings, consumables, hanger rods and | | | | | | 1 | | | | |
| I | | | | | | | | | I | ĺ | |
| | supports | | | | | | | | L | | |
| | a.1 20mm dia | | lm | | | | | | | | |
| | b. Accessories | | | | | | | | | | |
| | b.1 Junction Box | S | ets | | | L | L | | | | |
| | c. Wires incl. pull wire | | | | | | l | | | | |
| | c.1 CAT6 4 Pairs | | lm | | | | | | | | |
| | d. Fixtures | | | | | | | | | | |
| | d.1 CCTV Indoor Type with Power Supply | | sets | | | | | | | | |
| | d.2 CCTV Outdoor Type with Power Supply | | sets | | | | | | | | |
| - | d.3 CCTV PTZ Type with Power Supply | | ets | | | | | | | | |
| | 1.7 Testing & Commissioning | | lot | | | | | | | | |
| | 1.7 Testing & Commissioning | | iot | | | | | | | | |
| | | _ | | | | | | | | | |
| | SUB TOTAL AMOUNT | | | | | | | | | | |
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| 1 | | | | | | | | | | | |
| II. | ELECTRICAL WORKS - 2ND FLOOR | | | | | | | | | | |
| II. | ELECTRICAL WORKS - 2ND FLOOR 2.1 Power & Lighting | | | | | | | | | | |
| II. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and | | | | | | | | | | |
| II. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and | | | | | | | | | | |
| II. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and a. supports | | Im | | | | | | | | |
| II. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia | | Im | | | | | | | | |
| II. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia | | lm | | | | | | | | |
| II. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia | | lm Im | | | | | | | | |
| II. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia | | lm lm | | | | | | | | |
| II. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia | | lm lm lm | | | | | | | | |
| II. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia | | lm lm | | | | | | | | |
| II. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories | | Im Im Im Im Im Im | | | | | | | | |
| II. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box | S | Im Im Im Im Im Im Im Im | | | | | | | | |
| 11. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box | S | Im Im Im Im Im Im | | | | | | | | |
| 11. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box | S | Im Im Im Im Im Im Im Im | | | | | | | | |
| 11. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box | | Im Im Im Im Im Im Im Im | | | | | | | | |
| 11. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq | S | Im | | | | | | | | |
| II. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq | S | Im I | | | | | | | | |
| II. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq | S S | Im I | | | | | | | | |
| II. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq | S | Im I | | | | | | | | |
| II. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq | S | Im I | | | | | | | | |
| 11. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.6 30.0mmsq | S S S | Im I | | | | | | | | |
| II. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.7 50.0mmsq | S S S | Im I | | | | | | | | |
| 11. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq | S S S | Im I | | | | | | | | |
| 11. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards | S S | Im I | | | | | | | | |
| 11. | 2.1 Power & Lighting Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards d.1 LP2A | S S S | Im I | | | | | | | | |
| 11. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B | S S S | Im I | | | | | | | | |
| 11. | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C | S S S | Im I | | | | | | | | |
| | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C d.4 LP2D | 5 5 | Im I | | | | | | | | |
| | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C d.4 LP2D d.5 LPX with Timer Switch | SSS | Im I | | | | | | | | |
| | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C d.4 LP2D d.5 LPX with Timer Switch d.6 PP2 | S S S | Im I | | | | | | | | |
| | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C d.4 LP2D d.5 LPX with Timer Switch | S S S | Im I | | | | | | | | |
| | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C d.4 LP2D d.5 LPX with Timer Switch d.6 PP2 | S S S | Im I | | | | | | | | |
| | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.7 50.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C d.4 LP2D d.5 LPX with Timer Switch d.6 PP2 d.7 PP2A e. Devices | S S S | Im I | | | | | | | | |
| | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C d.4 LP2D d.5 LPX with Timer Switch d.6 PP2 d.7 PP2A e. Devices e.1 Duplex CO | SSSS | Im I | | | | | | | | |
| | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C d.4 LP2D d.5 LPX with Timer Switch d.6 PP2 d.7 PP2A e. Devices e.1 Duplex CO e.2 Floor Mounted Duplex CO | S S S S S S S S S S S S S S S S S S S | Im I | | | | | | | | |
| | 2.1 Power & Lighting a. Roughing Ins incl. fittings, consumables, hanger rods and supports a.1 20mm dia a.2 25mm dia a.3 32mm dia a.4 40mm dia a.5 50mm dia a.6 110mm dia b. Accessories b.1 Utility Box b.2 Junction Box c. Wires, THHN c.1 3.5mmsq c.2 5.5mmsq c.3 8.0mmsq c.3 8.0mmsq c.4 14.0mmsq c.5 22.0mmsq c.6 30.0mmsq c.7 50.0mmsq c.8 325.0mmsq d. Panel Boards d.1 LP2A d.2 LP2B d.3 LP2C d.4 LP2D d.5 LPX with Timer Switch d.6 PP2 d.7 PP2A e. Devices e.1 Duplex CO | S S S S S S S S S S S S S S S S S S S | Im I | | | | | | | | |

| e.5 2 Gang Switch | Se | ts | | | | | | | | | | | |
|--|-------|----|---|---|----------|---|--|---|---|---|----------|--|---|
| e.6 3 Gang Switch | se | ts | | | | | | | | | | | |
| e.7 3 Way 1 Gang Switch | Se | ts | | | | | | | | | | | |
| f. Lighiting Fixtures | | | | | | | | | | | | | |
| f.1 600x600 LED Slim Panel | Se | ts | | | | | | | | | | | |
| 300x1200mm Recessed Moisture / Dust Proof | | | | | | | | | | | | | |
| f.2 Fluorescent Luminaire | Se | ts | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| 100mm Round Recessed Horizontal Center Frosted Glass | | +- | | | | | | | | | | | |
| f.3 Pin Light | Se | ıs | | | | | | | | | | | |
| f.4 150mm Round Surface Mounted Pin Light | se | ts | | | | | | | | | | | |
| f.5 1200mm T5 Cove Light | Se | | | | | | | | | | | | |
| | 30 | | | | | | | | | | | | |
| 150mm Round Recessed Horizontal Center Frosted Glass | se | ts | | | | | | | | | | | |
| PIN LIGHT | | | | | | | | | | | | | |
| f.7 Decorative Circular Ceiling Lamps | se | ts | | | | | | | | | | | |
| 2.2 Telecomunications and Data System | | | | | | | | | | | | | |
| Roughing Ins incl. fittings, consumables, hanger rods and | | | | | | | | | | | | | |
| a. supports | | | | | | | | | | | | | |
| | | _ | | | | | | | | | | | |
| a.1 25mm dia | lı | n | | | | | | | | | | | |
| b. Accessories | | | - | + | | | 1 | | | - | - | | 1 |
| b.1 Utility Box | Se | | | + | | | 1 | | | | 1 | | |
| b.2 Junction Box | Se | | | | | | | | | | | | |
| b.3 Pull Box 12 x 12 | S | | | | | | | | | | | | |
| b.4 IDF Cabinet | | t | | | | | | | | | | | |
| b.5 CTC Cabinet | le | ot | | | | | | | | | | | |
| c. Wires incl. pull wire | | | | | | | <u></u> | | | | | L | |
| c.1 CAT 6 4 Pairs | li | n | | | | | | | | | | | |
| d. Devices | | | | | | | | | | | | | |
| d.1 Data Outlet | Se | ts | | | | | | | | | | | |
| d.2 Telephone Outlet | Se | | | | | | | | | | | | |
| e. Equipment | | | | | | | | | | | | | |
| e.1 Wifi Access Points Ceiling Mounted | se | ts | | | | | | | | | | | |
| e.2 MDF | Se | | | | | | | | | | | | |
| e.3 MCTC | | | | | | | | | | | | | |
| e.3 MICIC e.4 RFID Door Access Incl. Door Magentic Lock | Se | | | | - | | | | | | | | |
| | I e | οτ | | | | | | | | | | | |
| 2.3 Fire Detecting System | | | | | | | | | | | | | |
| Roughing Ins incl. fittings, consumables, hanger rods and a. | | | | | | | | | | | | | |
| a. supports | | | | | | | | | | | | | |
| a.1 20mm dia | li | n | | | | | | | | | | | |
| b. Accessories | | | | | | | | | | | | | |
| b.1 Utility Box | se | ts | | | | | | | | | | | |
| b.2 Junction Box | Se | | | | | | | | | | | | |
| c. Wires incl. pull wire | 36 | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| c.1 1.25mmsq | | n | | | | | | | | | | | |
| d. Fixtures | | | - | + | | | 1 | | | - | - | | 1 |
| d.1 Smoke Detector Conventional Type | Se | | - | + | | | 1 | | | - | - | | 1 |
| d.2 Manual Pull Station | Se | | | | ļ | | | | | | | | ļ |
| d.3 Fire Horn with Strobe Light | Se | ts | | | | | | | | | | | |
| 2.4 Public Address System | | | | 1 | | | | | | | | | |
| Roughing Ins incl. fittings, consumables, hanger rods and | | | | 1 | | | | 1 | | | | ĺ | |
| a. supports | | | | 1 | | | | 1 | | | | ĺ | |
| a.1 20mm dia | lı | n | | 1 | | | 1 | l | | | | | |
| b. Accessories | " | | | + | | 1 | | | | | <u> </u> | <u> </u> | |
| | - 1 | tc | + | + | 1 | 1 | 1 | | | 1 | 1 | | 1 |
| b.1 Junction Box | Se Se | | | + | | 1 | - | | | | - | <u> </u> | 1 |
| b.2 Pull Box 6x6 | Se | ıs | - | + | | | 1 | | | - | - | | 1 |
| c. Wires incl. pull wire | - l. | | | + | | | 1 | | | | 1 | | |
| c.1 1.25mmsq | 1 | n | | | ļ | | | | | | | | ļ |
| d. Fixtures | | | | 1 | | | | | | | | | |
| d.1 7" Ceiling Speakers 6W | se | ts | | 1 | | | | | | | | | |
| e. Equipment | | | | | | | | | | | | | |
| e.1 BGM Equipment | S | et | | | | | <u></u> | | | | | L | |
| 2.5 Surveilance System | | | | | | | L | | | | | | |
| Roughing Ins incl. fittings, consumables, hanger rods and | | | | | | | 1 | | - | | | 1 | |
| a. supports | | | | 1 | | | | 1 | | | | ĺ | |
| a.1 20mm dia | 1. | n | | + | | | 1 | | | | 1 | | 1 |
| | " | " | | 1 | | 1 | | - | | | - | | |
| b. Accessories | | | - | + | | | 1 | | | - | - | | 1 |
| b.1 Junction Box | se | | | | ļ | | | | | | | | ļ |
| b.2 Pull Box | se | ts | | | 1 | |] | | | | | | |

| c. Wires incl. pull wire | | | | | | | | | |
|--|------|--|---|--|---|---|---|---|--|
| c.1 CAT6 UTP 4 Pairs | lm | | | | | | | | |
| d. Fixtures | | | | | | | | | |
| d.1 CCTV Indoor Type with Power Supply | sets | | | | | | | | |
| e. Equipment | | | | | | | | | |
| e.1 DVR 16 Channels | set | | | | | | | | |
| e.2 Monitor | sets | | | | | | | | |
| e.3 Storage | sets | | | | | | | | |
| e.4 UPS | sets | | | | | | | | |
| 2.6 Testing & Commissioning | lot | | | | | | | | |
| | | | | | | | | | |
| SUB TOTAL AMOUNT | | | • | | - | - | - | - | |
| | | | | | | | | | |
| GRAND TOTAL AMOUNT | | | - | | - | - | - | - | |

Note

- a. Unit Cost Derivation:
 - General Contractor will procure all materials. Labor is sub con.
- b. Telecommunication and Data Feeder Line is by Voice and Data Provider
- c. Meter Reader and Service Drop by Power Provider

Prepared by: