

**Name of Work:** Electrification of Kitchen cum store at Yundrup Cholling PS

**Bill of Quantity**

| code   | Sl # | Item Description  | Qty | Unit   | Rate in figure | Rate in words | Amount |
|--------|------|---|-----|--------|----------------|---------------|--------|
|        | A    | <b>wiring</b>   |     |        |                |               |        |
|        |      | Wiring for light, fans, call bell and 2 pin light socket outlet with 1.5 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed MS conduit including connections, painting, testing and commissioning etc. as required   |     |        |                |               |        |
| WM0105 | 1    | Short point   | 5   | Points |                |               |        |
| WM0106 | 2    | Medium Point  | 2   | Points |                |               |        |
| WM0107 | 3    | Long Point  | 3   | Points |                |               |        |
|        |      | Wiring for 5/6 pin, 6/16 ampere plug point with 4 sq.mm 1.1kV grade, PVC insulated copper conductor cable in recessed MS conduit with providing & fixing 5/6 pin,6/16 ampere socket outlet and switch including earthing the third pin, connections, painting, testing and commissioning etc. as required |     |        |                |               |        |
| WM0147 | 4    | Long Point  | 9   | Points |                |               |        |

|        |          |  |    |      |  |  |  |
|--------|----------|--|----|------|--|--|--|
| WM0331 | 5        | Wiring for lighting circuit with 1.1kV grade, PVC insulated copper conductor cable in conduit including connections, painting, testing and commissioning etc. as required recessed MS 2x2.5 sq.mm  | 20 | m    |  |  |  |
|        | <b>B</b> | <b>Lamps/Fans</b>  |    |      |  |  |  |
| LS0028 | 1        | Supplying of LED lamps/Bulbs 240 volt A C12W (BC/ES)   | 3  | each |  |  |  |
| LS0131 | 2        | Supplying of LED tube light 240 volts A.C 18W  | 2  | nos. |  |  |  |
| IL0067 | 3        | Supplying of prewired indoor surface/ceiling mounted luminaires suitable for LED lamps for maximum wattage upto 1x60 watts complete with all accessories such as base, holder, glass globe etc.without lamp Wall bracket down lighter, / uper projection 185mm, height 100mm finish painted, | 3  | nos. |  |  |  |
| FN0002 | 4        | Supplying of ceiling fan 240 volt A.C 1400 rpm with all accessories such as down rod, sweep 3 Nos., canopy 2 Nos., condenser and fan body etc. complete as required 1200mm sweep   | 2  | nos. |  |  |  |
| FN0017 | 5        | Supplying of exhaust fan 240 volt A.C 900 rpm with all accessories such as frame with arm 3 Nos., sweep 3 Nos., condenser and fan body etc. complete as required 450mm sweep   | 3  | nos. |  |  |  |
|        | <b>C</b> | <b>CONTROL GEAR</b>  |    |      |  |  |  |
|        |          | Supply of miniature circuit breaker (MCB) SP, 230 volt A.C complete with all accessories suitable to fix on a din-bar etc. as required   |    |      |  |  |  |

|        |          |   |  |        |  |  |  |
|--------|----------|---|--|--------|--|--|--|
| GB0270 | 1        | 6A  |  | 2 nos. |  |  |  |
| GB0272 | 2        | 16A   |  | 6 nos. |  |  |  |
| GB0429 | 3        | Supply of residual current circuit breaker (RCCB) double pole, sensitivity 100mA, 230 volt A.C complete with all accessories suitable to to fix on a din-bar etc. as required 63A   |  | 1 nos. |  |  |  |
|        | <b>D</b> | <b>Distribution Board (DB)</b>  |  |        |  |  |  |
| GB0524 | 1        | Supply of SPN distribution board (DIN type, vertical) with metal door, 415 volt A.C complete with all accessories without MCB/isolator/RCCB out going or incoming etc. as required 12 way   |  | 1 nos. |  |  |  |
| L/S    | 2        | supplying and fixing of wooden box 1000x600x500mm with covering /shuttering and all accessories required etc.   |  | 1 nos. |  |  |  |
|        | <b>E</b> | <b>ERECTION/INSTALLATION</b>  |  |        |  |  |  |
| EI0002 | 1        | Erection of all indoor/outdoor surface type wall bracket (single or double)/ surface ceiling fittings GLS lamps/ bulk head GLS lamp/all types call bell/ all type picture or mirror lighting luminaries fittings with all accessories, fixing of lamp, testing etc. as required including connection with PVC insulated copper conductor 1.5 sq.mm single core cable 1.1 KV grade |  | 5 nos. |  |  |  |

|        |          |  |        |  |  |  |
|--------|----------|--|--------|--|--|--|
| EI0096 | 2        | Installation, testing and commissioning of all size ceiling fan and regulator including wiring the down rod of standard length upto 300mm with PVC insulated copper conductor 1.5 sq.mm single core cable 1.1 KV grade   | 5 nos. |  |  |  |
| EI0380 | 3        | Installation, testing and commissioning of SPN/DP miniature circuit breaker DIN type complete with all accessories to accommodate on/in prefabricated MS surface /MS cubical control panel board including drilling holes, connections etc as required 6/10/16/20A   | 8 nos. |  |  |  |
| EI0515 | 4        | Installation, testing and commissioning of SPN DB (DIN type, horizontal/vertical) with no door, metal door or arcylic door (double/single door) complete with all accessories to accommodate incoming RCCB DP 63A sensitivity 30/100/300mA and outgoing SP MCB 6/10/16A on/in prefabricated MS surface /MS cubical control panel board including drilling holes, connections etc. as required 12 way | 1 nos. |  |  |  |
|        | <b>F</b> | <b>EARTHING</b>  |        |  |  |  |
| ET0001 | 1        | Providing and fixing of earthing including all accessories, machinery enclosure, C.I cover plate having locking arrangement, watering pipe with excavation and refilling work including charcoal or coke and salt complete as required as per standard earthing drawing With G.I earth plate 600x600x6mm   | 1 nos. |  |  |  |

|        |          |  |    |      |              |  |  |
|--------|----------|--|----|------|--------------|--|--|
| ET0015 | 2        | Providing and laying earth connection from earth electrodes in 15mm dia G.I pipe from earth electrodes as required as per guidance of standard earthing drawing With 4.06mm dia (8SWG) G.I wire  | 15 | m    |              |  |  |
|        | <b>G</b> | <b>POWER CABLE</b>   |    |      |              |  |  |
| PC0124 | 1        | Supplying of 2- Core 1.1KV grade PVC insulated and sheathed Aluminium conductor armoured power cables 16 sq.mm   | 50 | m    |              |  |  |
| CL0002 | 2        | Laying of one number PVC insulated and sheathed power cable copper/aluminium,armoured/un-armoured 1.1KV single core to four core direct in the ground including excavation, sand cushioning, protective covering and refilling the trenches etc. as required Above 6sq.mm to 25sq.mm | 50 | m    |              |  |  |
|        | 3        | supplying of sp energy meter   | 1  | nos. |              |  |  |
|        |          |  |    |      | <b>Total</b> |  |  |