

**Name of Work: Maintenance of Range Office cum Residence****Location: Bjee Zam , Trongsa****BoQ**

| Sl.No. | Description  | Qty.   | Unit | Rate(Nu.) | Rate in words | Amount(Nu.) |
|--------|--|--------|------|-----------|---------------|-------------|
| 1      | Dismantling G.I sheets including ridges, hips, valleys, gutters & stacking materials within 50m lead   | 39.23  | sq.m |           |               |             |
| 2      | P&f. Corrugated Galvanised Iron (CGI) sheeting, incl. bolts, hooks and nuts 8mm dia. with bitumen and G.I limpet washers filled with white lead for connection, excluding the cost of purlins, rafter and trusses: 24g | 89     | sq.m |           |               |             |
| 3      | P&f. 600mm ridges or hips in plain G.I. incl. bolts, hooks and nuts 8mm dia G.I limpet and bitumen washers for connection: 24g.  | 14.24  | m    |           |               |             |
| 4      | Dismantling cement A.C, celotex, hardboard ceiling, partition, including stacking useful materials & disposal rubbish within 50m   | 141.83 | sq.m |           |               |             |
| 5      | P&f. Wire-gauze Shutters 25mm for doors & windows using galvanised M.S. wire-gauze 0.56mm dia wire including the cost of hinges: Mixed Conifer   | 76.26  | sq.m |           |               |             |
| 6      | P&f. Plywood lining with necessary nails etc. including beading complete (excluding cost of frame) : 6mm commercial  | 77.12  | sq.m |           |               |             |
| 7      | Demolishing cement concrete 1:3:6 & richer, including disposal of materials within 50 m lead.  | 4.2    | cu.m |           |               |             |

|    |  |     |      |  |  |  |
|----|--|-----|------|--|--|--|
| 8  | P&l. 12mm cement plaster: C.M<br>1:3   | 122 | sq.m |  |  |  |
| 9  | P&l cement concrete flooring<br>1:2:4, finished with floating coat<br>of neat cement: 20mm river<br>gravel, 40mm thick | 122 | sq.m |  |  |  |
| 10 | P & F Plastic tank including all<br>accessories complete: 2000litres<br>capacity                                       | 1   | each |  |  |  |

Total of Civil Work-A

|          |  |     |      |  |  |  |
|----------|--|-----|------|--|--|--|
|          | <b>Electrical</b>  |     |      |  |  |  |
| <b>A</b> | <b>Wiring</b>  |     |      |  |  |  |
| 11       | Wiri for light,fans,call bell and 2<br>pin light socket outlet with 1.5<br>sq.mm 1.1kv grade.PVC<br>insulated copper conductor<br>cable in PVC casing and<br>capping including<br>connections,painting,testing &<br>commissioning etc. as required |     |      |  |  |  |
|          | Short point  | 6   | each |  |  |  |
|          | Medium point   | 19  | each |  |  |  |
|          | Long point   | 5   | each |  |  |  |
| 12       | Wiring for lighting circuit with<br>1.1kv grade.<br>PVC casing & capping<br>including connections, painting,<br>testing & commissioning etc as<br>required.  |     |      |  |  |  |
|          | 2x2.5 sqmm   | 110 | m    |  |  |  |

|          |   |     |      |  |  |  |
|----------|---|-----|------|--|--|--|
| 13       | Wiring for power circuit with 1.1kv grade.PVC insulated copper conductor cable in PVC casing & capping including connections,painting,testing& commissioning etc. as required   |     |      |  |  |  |
|          | 2x4sqmm   | 200 | m    |  |  |  |
| <b>B</b> | <b>Indoor Fittings,Fans and Sockets</b>   |     |      |  |  |  |
| 14       | Supplying for prewired indoor fluoresent lamp luminaries housing of CRCA sheet rail end with lamp holders.copper wound blast,strater,starter holder,terminal block etc but without lamp.<br>LPF suitable for wall and ceiling |     |      |  |  |  |
|          | Strip Rail 36/40 watt   | 10  | each |  |  |  |
|          | Ceiling rose.2 plates 6A  | 10  | each |  |  |  |
| 15       | Supplying & fixing of switch/sockets on existing PVC/wooden/metal/moulded tough surface box with fibre sheet cover, round block,junction block(recessed or surface) including necesssary cutting, connection etc as required. |     |      |  |  |  |
| 5.1      | Batten or Angle holder(heavy duty,brass plunger)  | 16  | each |  |  |  |

|    |  |    |      |  |  |  |
|----|--|----|------|--|--|--|
| 16 | Supplying and fixing of switch/socket on existing metal box with fibre sheet cover (recessed or surface) junction box(PVC/metal)including necessary cutting, connection testing etc as required. |    |      |  |  |  |
|    | 5/6 pin 6/16A socket outlet,shuttered  | 12 | each |  |  |  |
|    | <b>Control Gears</b>   |    |      |  |  |  |
| 17 | Supply of miniature circuit breaker(MCB) single pole 230 volt A.C complete wit all accessories suitable to fix on din bar etc as required.   |    |      |  |  |  |
|    | 6A   | 4  | each |  |  |  |
|    | 16A  | 14 | each |  |  |  |
| 18 | Supply of residual current circuit breaker (RCCB)double pole sensitivity 100mA.230 A.C complete with all necessaries suitable to fix a din bar etc as required                                   |    |      |  |  |  |
|    | 63A  | 1  | each |  |  |  |
| 19 | Supply of SPN distribution board(DIN type, horizontal)withou door 415 volt A.C complete with all accessories without MCB /insolatorRCCB without or incomming etc                                 |    |      |  |  |  |
|    | 8 way  | 1  | each |  |  |  |

|    |   |    |      |  |  |  |
|----|---|----|------|--|--|--|
|    | 12 way  | 1  | each |  |  |  |
|    | <b>Installation and Erection</b>  |    |      |  |  |  |
| 20 | Erection of all indoor/outdoor surface type wall bracket(single or double)surface ceiling fittings GLS Lamps/buld head GLS lamp/all types call bell all type picture or mirrow lightining luminaries fittings with all accessories ,fixing of lamps,testing etc as required including connection with PVC insulated copper conductor. |    |      |  |  |  |
|    | 1.5sq.mm single core cable 1.1kv  | 16 | job  |  |  |  |
| 21 | Installation and testing and commissioning of SPN DB with no door metal door complete with all accessories to accomdate incomming RCCB DP 63A.  | 1  | job  |  |  |  |
|    | 1.5sq.mm single core cable 1.1kv  | 16 | job  |  |  |  |
|    | <b>Earthing and Power Cables</b>  |    |      |  |  |  |
| 22 | Providing and fixing of earthing including all accessories,machinery,enclosure C.I cover plate having locking arrangement,water pipe with excavation and refilling work including charcoal or coke and salt complete as required as   |    |      |  |  |  |
|    | With G.I earth plate 600x600x6mm  | 1  | set  |  |  |  |

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|                       |   |     |   |  |  |  |
|-----------------------|---|-----|---|--|--|--|
| 23                    | Providing and laying earth connection from earth electrodes in 15mm dia G.I pipe from earth   |     |   |  |  |  |
|                       | ing capping or wooden batten along with otherwires as requested.  | 15  | m |  |  |  |
| 24                    | Providing and drawing wire for loop earthing in existing surface/ recessed PVC/MS/Steel conductor casing capping or wooden batten along with other wires as required. | 120 | m |  |  |  |
|                       | 1x1sq.mm cu conductor   | 100 | m |  |  |  |
| 25                    | Supplying of 2 core 1.1KV grade PVC insulated & sheathed Aluminium conductor un-armoured power cables   |     |   |  |  |  |
|                       | 16sq.mm   | 160 | m |  |  |  |
| Total of Electrical-B |   |     |   |  |  |  |

Civil work -A \_\_\_\_\_

Electrical Work-B \_\_\_\_\_

Total A+B \_\_\_\_\_

Grand Total in words.....

Contractors seal & sign