



**ESTIMATE FOR ELECTRIFICATION CABLING WORK IN DISTRICT HOSPITAL, AT - BALAGHAT, DISTT. -
BALAGHAT.**

| Sr. No. | Description Of Items | Unit | Rate | Qty. | Amount |
|---------|--|------|----------|------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | 25.5 - Supplying of ISI Marked Change over switches in sheet enclosure confirming to IS : 4064 / IS : 13947 (part I & III)with side handle operated 4 pole with two earthing terminals | | | | |
| | 25.5.4 -100 Amps. 415/500 Volts.(off load) | Each | 8592.30 | 2 | 17184.60 |
| | 25.5.5 -200 Amps. 415/500 Volts.(off load) | each | 12726.90 | 1 | 12726.90 |
| 2 | 25.17 -Supplying & fixing of ISI marked Porcelain Rewireable type fuse carrier & base unit of approved make & confirming to IS: 2086-1993 | | | | |
| | 25.17.6 - 200 Amps /415 Volts | Each | 1026.90 | 3 | 3080.70 |
| | 25.17.7 - 300 Amps /415 Volts | Each | 1481.40 | 6 | 8888.40 |
| 3 | 26.1 - Supplying of metal clad ISI Marked busbar chamber made of heavy gauge iron sheet complete with copper strip and busbar supports as per specification confirming to IS -4064 | | | | |
| | 26.1.4 - 200 AMP 415 VOLTS, 4 way | Each | 5567.40 | 4 | 22269.60 |
| 4 | 27.1- -Supplying of ISI Marked and approved make of Moulded Case Circuit Breaker (MCCB) suitable for 3 phase,3 pole, 50 Hz, 415 Volts, AC supply with respective interrupting capacity (KA) at 415 Volts cited against their range standard conforming to IS – 8828 | | | | |
| | 27.1.2 - MCCB with Breaking Capacity 25 KA at 415 V | | | | |
| | 27.1.2.4 - Current Rating -200 Amps & 80% -100% adjustable | Each | 11897.10 | 3 | 35691.30 |
| 5 | 27.16 - Supply & fixing of approved make accepted standard sheet steel enclosure (dust protected) duly powder coated paint Neutral bar suitable for MCB / RCBOs/MCCB of capacity as required etc. complete as per specification (exclusive of M.C.B./ MCCB/RCBOs) | | | | |
| | 27.16.2 - For MCCB | | | | |
| | 27.16.2.3 - 250A 3P/4P Enclosure | Each | 4941.90 | 3 | 14825.70 |
| 6 | 28.2 - Fixing of metal clad enclosure on 25X 25 X 5 mm angle iron clamps including supplying and fixing of clamps as required duly embedded in masonry including cable connection and other required material as per specification :- | | | | |
| 7 | 28.2.2 - Fixing of 100 Amps TP or TPN main switch or 100 Amps change over switch /100 Amps 415 Volt Isolators and busbar 4 way | Each | 266.40 | 2 | 532.80 |
| 8 | 28.2.3 - Fixing of 200 Amps TP or TPN main switch or 200 Amps change over switch /200 Amps 415 Volt Isolators and busbar 4 way | Each | 288.00 | 5 | 1440.00 |
| 9 | 28.4.1 - Fixing of MCB / Isolator SP/DP in sheet steel enclosure as required as per accepted practice, including mounting on busbar and cable connection etc. complete (Labour only) | | | | |
| | 28.4.2 - Fixing of MCB /MCCB/ Isolator TP/TPN/FP | Each | 19.80 | 9 | 178.20 |
| 10 | 37.3 - Earthing with G.I. Earth plate 600mm X 600mm X 6mm thick including accessories and providing masonry encloser in cement mortor, cover plate having locking arrangment on the top and G.I. watering pipe 20mm dia 2.7 Metre long etc. (but without charcoal or coke and salt) complete as required. | Each | 2655.90 | 4 | 10623.60 |
| 11 | 37.5.1 - Add Extra for using salt and charcoal / coke for G.I. Plate or Copper plate earth electrode as required including excavation & refilling. | Each | 1656.90 | 4 | 6627.60 |

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|----|---|------------------|--------|-----|------------------|
| 12 | 37.7 - Supplying and laying 6SWG (5.6mm) G.I. wire at 0.5 Metre below ground level as conductor earth electrode including soldering etc. as required. | Metre | 20.70 | 32 | 662.40 |
| 13 | 41.1 - Supply of XLPE Insulated power cable (conforming IS-7098) 1100 Volt grade/Heavy duty power cable conforming to IS 1554-1100 Volts grade , 2 core /3½ core/4 core ISI MARKED with Alu. Stranded /solid conductor | | | | |
| | 41.1.10 - ARMOURED 4 CORE | | | | |
| | 41.1.10.5 - 35 Sq.mm. | Metre | 310.50 | 165 | 51232.50 |
| | 41.1.10.6 - 50 Sq.mm. | Metre | 398.70 | 42 | 16745.40 |
| | 41.1.10.8 - 95 Sq.mm | Metre | 671.40 | 180 | 120852.00 |
| 14 | 41.7 - Supplying and fixing cramping type Alum. lugs as per I.S.S. Specification suitable for following size of cable with Alu. /Copper solid/stranded conductor evently cramped with high /pressure tool and connected to switch gear /Bus /M.C.C.B./ M.C.B etc. as required complete. | | | | |
| | For Conductor Size- | | | | |
| | 41.7.3 - 35 Sq.mm | Each | 4.50 | 32 | 144.00 |
| | 41.7.4 - 50 Sq. mm | Each | 7.20 | 16 | 115.20 |
| | 41.7.6 - 95 Sq.mm. | Each | 14.40 | 32 | 460.80 |
| 15 | 41.48 - Laying of one number armoured / unarmoured cable 1.1kV grade of size exceeding 25 Sq.mm but not exceeding 120 Sq.mm on wall/truss with approved type of iron clamps etc. as required. | Metre | 81.00 | 180 | 14580.00 |
| 16 | 41.50 - Laying of underground cable armoured./ unarmoured as per specification in air suspended on existing approved with approved type of iron clamps, G.I wire 7/1.6mm & shackle insulator / insulated strip completeof. | | | | |
| | 41.50.2 - 3 / 3½ / 4 Core cable 25 Sq.mm to 120 Sq.mm | Metre | 18.00 | 207 | 3726.00 |
| 17 | 42.36 - Supply, fabrication and erection of Angle/Chanel/Flat iron fitting for over head line & sub- station etc such as 'D' bracket, cross arms, top clamp, 'V' cross arms, Back/Support clamps or other similar work etc. including nut bolts of required size, making holes, fabrication, welding, cutting, etc. and painting with one coat of red oxide paint & two coat of aluminium paint as required as per specification. | Kg | 54.90 | 20 | 1098.00 |
| | Sub Total (SOR Item) | | | | 343685.70 |
| | Add the G.S.T. 12 % | | | | 41242.28 |
| | Add the 3.5 % work charge/Contingency charges Rs. | | | | 12029.00 |
| | | Total Rs. | | | 396956.98 |
| | | Say Rs. | | | 396950.00 |


 Sub Engineer
 PWD E/M HQ.
 Balaghat


 S.D.O.
 PWD E/M Sub DN.
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