

Estimated Cost
INTERNAL ELECTRICAL WORKS FOR
REPAIR & RENOVATION OF BOYS HOSTEL
BLOCK-C
QUEST, NAWABSHAH

Section "A" Internal Electrification

| S.No. | ITEM DESCRIPTION | UNIT | RATE | Qty | Amount |
|-------|------------------|------|------|-----|--------|
|-------|------------------|------|------|-----|--------|

Part I : Items based on Schedule Rates 2012

| | | S/R | | | |
|----|--|-------|----------|-----|------------|
| 1. | Supply & Wiring for Main or Sub-Main with 3-2.5mmsq. (3-7/.029) S/C, PVC insulated, Cu cables in 3/4" dia PVC conduit recessed in the wall or column as required. Complete in all respect with all accessories. (Lighting Circuit) (SI#24 Page # 04) | Mtrs. | 294.00 | 200 | 58,800.00 |
| 2. | Supply & Wiring for Main or Sub-Main with 3-4mmsq. (3-7/.036) S/C, PVC insulated, Cu cables in 3/4" dia PVC conduit recessed in the wall or column as required. Complete in all respect with all accessories. (Power Circuit) (SI#25 Page # 04) | Mtrs. | 338.00 | 100 | 33,800.00 |
| 3. | Supply & Wiring for light or fan point with 2-1.5mmsq. (2-3/.029) PVC insulated wire in 20mm (3/4") PVC conduit recessed in the wall or column as required. Complete in all respect with all accessories (SI#124 Page # 15) | Nos. | 1,130.00 | 90 | 101,700.00 |
| 4. | Providing & fixing one way, S.P., 5A flush type Switch on a given prepared board. Complete in all respect with all accessories including back-box and face-plate. (SI# 219 Page#33) | Nos. | 54.00 | 180 | 9,720.00 |
| 5. | Providing, fixing and connecting of flush type, 3 pin, 10/15A, S.P., plug socket, switch and shoe unit. Complete in all respect with all accessories including face-plate and back-box. (SI # 227 Page # 33) | Nos. | 162.00 | 205 | 33,210.00 |
| 6. | Providing and fixing channel pati 1" as required as per instruction of LI (SI # 296 Page # 43) | Rft | 40.00 | 300 | 12,000.00 |

Note:

For any Variation arising between the above stated BOQ items and its respective Schedule Rate items (as per Government of Sindh), the same is to be adjusted accordingly in the "Premium on Schedule Rate".

COST OF PART "I" (Rs.)

249,230.00

PREMIUM ON SCHEDULE RATE (Rs.)

TOTAL COST OF PART 'I' (Rs.)

Part II : Items based on Non-Schedule Rates

| | | | | | |
|----|---|------|--|-----|---|
| 7. | Providing & Fixing of Back Boxes for switches & socket outlets. To be complete in all respect with all accessories. | Nos. | | 220 | - |
| 8. | Providing & fixing of 20A, DP, Safety Breaker / Isolator for A/C. | Nos. | | 8 | - |
| 9. | Providing & fixing of 6-gang switche board with chaina sheet complete in all respect . | Nos. | | 90 | - |

TOTAL COST OF PART 'II' (Rs.)

TOTAL COST OF SECTION "A" (PART I +PART II) (Rs.)

Contractor

Section "B" Light Fittings & Fixtures

| S.No. | ITEM DESCRIPTION | UNIT | RATE | Qty | Amount |
|----------------------------------|---|--------------|------|-----|--------|
| 1. | Providing, installing, fixing and connecting of following light fixtures with lamps, chokes, starters, capacitors etc., complete with all internal connections and all fixing and mounting accessories. Jobs includes rod and wiring as given in drawing. | | | | |
| 1.1 | Philips make or equivalent LED type tube light fitting 40 W having high frequency and high efficiency, complete in all respect with all accessories. | Nos. | | 80 | - |
| 1.2 | Philips make or equivalent LED type tube light fitting 56 W having high frequency and high efficiency complete in all respect with all accessories. | Nos. | | 75 | - |
| 1.3 | Philips make or equivalent flood type LED search light 100 W aluminium body. To be approved by Client. | Nos. | | 14 | - |
| 1.4 | Philips make or equivalent Fancy Wall bracket light fixture with 1x18 W LED Bulb. To be approved by Client. | Nos. | | 160 | - |
| 2. | Providing, installing and connecting of following fans: | | | | |
| 2.1 | Millat make or equivalent 56" sweep ceiling fan complete with canopy, down rod, etc complete in all respects with all accessories. | Nos. | | 88 | - |
| 2.2 | Millat make or equivalent 12" sweep exhaust fan, complete with capacitors including making of hole in wall to accommodate the fan & repairing good the damages. | Nos. | | 20 | - |
| TOTAL COST OF SECTION "B" | | (Rs.) | | | - |

Contractor

Section "C" Distribution Boards & Feeders

| S.No. | ITEM DESCRIPTION | UNIT | RATE | Qty | Amount |
|--|---|------|------|-----|--------|
| 1. | Providing, installing, connecting & commissioning of the Distribution Board (DB) fabricated of 14 SWG steel clad, cubical design with hinged door cover, wall (recessed) mounted, factory assembled, suitable for 3 phase, 4 wire, 500 volts, 50 Hz A.C. Power Supply complete with copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations. (All equipment rated to 5 kA short circuit rating and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-44. | | | | - |
| | Short Circuit Rating 7.5kA (Ics) @ 400V | | | | |
| | Incoming | | | | |
| | 1 - 60 A, T.P., M.C.C.B | | | | |
| | 3 - Phase (R.Y.B) indication lamps. | | | | |
| | Outgoing | | | | |
| | 13 - 10 A, S.P., M.C.B.s | | | | |
| | 13 - 16 A, S.P., M.C.B.s | No. | | 6 | - |
| 2. | Providing, installing, connecting & commissioning of the Main Distribution Boards (LT Panel) fabricated of 14 SWG steel clad, cubical design with hinged door cover, out door type floor monntend, factory assembled, suitable for 3 phase, 4 wire, 600/1000 volts, 50 Hz A.C. Power Supply complete with copper cable lugs, glands, neutral link, earth block, terminal block etc., & having following configurations. (All equipment rated to 25 kA short circuit rating and 50°C ambient temperature at 415V). Panel enclosure to comply with IP-44. | | | | - |
| | Short Circuit Rating 25kA (Ics) @ 400V | | | | |
| | Incoming | | | | |
| | 1 - 250 A, T.P., M.C.C.B | | | | |
| | 3 - Phase (R.Y.B) indication lamps. | | | | |
| | Outgoing | | | | |
| | 8 - 60 A, T.P., M.C.C.B | No. | | 1 | - |
| TOTAL COST OF SECTION "C" (Rs.) | | | | | - |

Contractor

Section "D" Earthing

| S.No. | ITEM DESCRIPTION | UNIT | RATE | Qty | Amount |
|----------------------------------|---|------|--------------|-----|--------|
| 1. | Providing, making and testing of earth points with 2' x 2' x 1/8" thick copper plate buried 5 meter deep or to the depth of permanent water level whichever is less covered with charcoal and lime in specified ratio confirming to specification and drawing. | Job | | 1 | - |
| 2. | Providing, drawing, connecting & testing of 2-70mm ² bare copper conductor as earthing leads in 32mm dia G.I. pipe burried in ground or connected in R.C.C. or masonry as required from Panel Board to the earth plate including making of 18"x18" cement concrete chamber duly plastered and cover with R.C.C. Slab, including, providing & fixing of plug for watering, complete with all accessories and fasteners and as per drawing & specifications. | Job | | 1 | - |
| 3. | Providing, fixing and connecting of 200 x 200 x 5 mm thick copper earth terminal blocks. | Job | | 1 | - |
| 4. | Providing, drawing, connecting & testing of 2-70mm ² insulated copper conductor as earthing leads in 32mm dia PVC pipe burried in ground or connected in R.C.C. or masonry as required from Earth Terminal Block to the Main Distribution Board, complete with all accessories and fasteners and as per drawing & specifications. | Mtr. | | 20 | - |
| TOTAL COST OF SECTION "D" | | | (Rs.) | | - |

Contractor

**SUMMARY OF COST ESTIMATE FOR
INTERNAL ELECTRICAL WORK OF
REPAIR & RENOVATION OF BOYS HOSTEL
BLOCK-C
QUEST, NAWABSHAH**

| S.No. | Section | Description | | Remaining Amount |
|--------------|----------------|---|------------|-----------------------------|
| 1. | A | <i>Internal Electrification (Scheduled & Non Scheduled Items)</i> | Rs. | - |
| 2. | B | <i>Light fittings and Fixtures</i> | Rs. | - |
| 3. | C | <i>Distribution Boards & Feeders</i> | Rs. | - |
| 4. | D | Earthing | Rs. | - |
| | | Total Cost | Rs. | <u><u>0</u></u> |

Contractor