

**KERALA HAJJ TECHNICAL COMMITTEE
ESTIMATE**

Name of Work : Additional electrification work for installing lift in Haj House Karipoor, Kondoty, Malappuram.

Sl.no	Qty	Particulars	Rate	Unit	Amount
1		Supply and wiring points according to IS 732-1989 using rigid PVC conduit of minimum size 20 mm conforming to IS 9537 part III 1983 and with suitable size specials conforming to IS 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cm or concealed suitably and with 1.00 sq mm FR PVC insulated stranded single core copper conductor cable 650V grade, and continuous earthing with 1.5 Sq.mm green coloured FR PVC insulated stranded single core copper conductor cable 650V grade, generally conforming to IS 694-1990 complete with suitable size modular type metal switch boxes, modular type front plates (white) etc. up to and including 6 A modular type SP switches and making good the surface of wall, colour washing etc. complete. All the terminations in the switch boards and DB's shall be tinned and the wires shall be drawn and fixed along the periphery of the box using suitable ties, tie mounts etc as required. (Group A modular accessories)			
a	8 Pts	Single control light point with 6A, 3 plate ceiling rose	551.00	pt	4408.00
b	7 Pts	Combined plug point with 6 A, 5 pin plug socket controlled by 6 A switch in the same switch board as that of light points.	370.00	pt	2590.00
2		Supply, conveyance installation testing and commissioning of pre-wired fluorescent fittings of the following types complete with all accessories and fluorescent lamps etc. directly on wall or ceiling with T.W round block neatly painted to suit the fitting and giving connection with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS and giving connections as			
a	2 Nos	Mounting rail fittings (box type fittings) made out of CRCA sheet of minimum thickness 0.50 mm, powder coated / stove enameled suitable for 1 x 36/ 40 W FTL with open construction (VPIT) copper choke, starter, starter holder, lamp holder, power factor improvement capacitor etc duly wired up for use on 240 V single phase AC supply.	754.00	Each	1508.00
3		Supply, conveyance, installation, testing and commissioning of pre-wired fluorescent fitting of the following types complete with all accessories and fluorescent lamps etc. directly on wall using 2 nos. 'C/U' brackets made from 20 x 3 mm MS flat, painting the flat iron bracket and giving connections with required length of 16/0.20mm 3 core copper conductor flex wire conforming to relevant ISS or extending the original wiring and giving connection etc. as required.			
a	3 Nos	Mounting rail fittings (box type fittings) made out of CRCA sheet of minimum thickness 0.50 mm, powder coated / stove enameled suitable for 1 x 36/ 40 W FTL with open construction (VPIT) copper choke, starter, starter holder, lamp holder, power factor improvement capacitor etc duly wired up for use on 240 V single phase AC supply.	761.00	Each	2283.00

4	6 Nos	Supply and fixing cast aluminium elliptical shaped bulk head fitting with front clear glass and mesh guard suitable for 5 to 14 W CFL to wall / ceiling including giving connections with required length of 16/0.20mm PVC insulated and PVC sheathed 3 core round copper conductor flex wire conforming to relevant ISS or extending the original wiring and making good the surface as required.	419.00 Each	2514.00
5		Supply and providing the following types and power rated lamps in the existing fittings as required		
a	6 Nos	Normal size 14 W BC / ES retrofit CFL	156.00 Each	936.00
6		Supply & Fixing the following types/ sizes of boxes suitable for modular accessories in surface/ recess including making good the damages, colour washing etc as required (Group A)		
a	1 No	3 module moulded plastic box on surface (for 16 Plug & switch)	107.00 Each	107.00
7		Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. (Group A)		
a	1 No	3 module white	61.00 Each	61.00
8		Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group A)		
a	1 No	16 A SP 1 way switch with indicator	83.00 Each	83.00
b	1 No	6 / 16 A combined socket	109.00 Each	109.00
9		Supply and fixing the following sizes of PVC Conduit conforming to IS 9537 / 1983 part III along with all required accessories on surface including making good the damages etc as required.		
a	25 Mts	20 mm dia light gauge	59.00 Mtr	1475.00
10		Supply and drawing 650/1100 V grade PVC insulated stranded single core copper conductor cables conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.		
a	1 Mts	1.50 sq mm 2 run (for circuits through wiring point conduit)	55.00 Mtr	55.00
b	20 Mts	1.50 sq mm 3 run (for circuits)	71.00 Mtr	1420.00
c	2 Mts	1.50 sq mm 5 run (for circuits)	102.00 Mtr	204.00
d	3 Mts	2.50 sq mm 3 run (for 16A plug)	98.00 Mtr	294.00
e	3 Mts	4.00 sq mm 2 run (for DB mains)	98.00 Mtr	294.00
11		Supply and installation of sheet steel, phosphatised and painted, dust and vermin proof enclosure of MCB DB including copper /brass bus bar, neutral link, earth bus and DIN rail suitable for fixing MCB/ isolator etc. fixed on wall using suitable anchor bolts or fixed in recess including cutting hole on the wall , making good the damages, colour washing etc. as required		
a	1 Nos	12 way single phase double cover (IP 42/43)	1465.00 Each	1465.00
12		Supply and installation of the following accessories suitable for 50 Hz AC supply conforming to IS 8828-1995/ IEC 60898 of the following current ratings in the existing enclosure and giving connections as required		
a	1 Nos	40 A double pole mini break isolator	332.00 Each	332.00
b	6 Nos	6 A to 32 A, 10 kA, SP MCB (B curve)	167.00 Each	1002.00
c	1 No	63 A, 4 pole, 30 mA RCCB (in lift SSB)	2651.00 Each	2651.00

13	Supply and clamping the following sizes of strips on surface of wall/ parapet/ existing cable tray using clamps fabricated from 20 x 3 mm GI flat duly painted or heavy duty GI spacer saddles, spacing of clamps not exceeding 1m, making good the damages, colour washing etc. as required (<i>for earth bus in machine room</i>).		
a	0.3 Mtr 25 x 3 mm copper strip tinned at the points of contacts	441.00 Mtr	132.30
14	Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required.		
a	5 Mtr 2.65 mm copper conductor (12 SWG)	34.00 Mtr	170.00
15	supply of superior quality copper earth socket for the following sizes of earth conductor including crimping etc. as required.		
a	2 Nos 2.65 mm (12 SWG)	14.00 Each	28.00
16	Supply of superior quality copper bare ring terminal and making core termination of cables of the following sizes including crimping etc. as required.		
a	20 Nos 1.5 sq mm	8.00 Each	160.00
b	2 Nos 2.5 sq mm	8.80 Each	17.60
17	Supply and providing the following sizes of bolt and nut with washers on the existing MS box / earth bus etc. as required including drilling necessary holes as required		
a	10 Nos 12 x 3 mm brass bolt & nut	8.00 Each	80.00
b	8 Nos 25 x 3mm brass bolt & nut	12.20 Each	97.60
c	2 Nos 25 x 6 mm brass bolt & nut	15.40 Each	30.80

₹ 24507.30

Contegency 492.70

Total ₹ 25000.00

(Rupees Twenty five thousand Only)

Name of work:- Additional Electrification work for Installing Lift in Haj House, Karippoor, Malappuram.
Estimate PAC - Rs. 24,507.30
Quoted PAC - Rs.

I/We agree to undertake to execute the work at (*)

- (a) Estimate Rate
- (b) % below Estimate Rate
- (c) % above Estimate Rate

“Less cost of departmental materials specified and recovered at the rates given on the conditions enclosed”

I/We also agree that the tender excess/reduction may be applied in the amount calculated after deducting the cost of all departmental materials and hire charges of all departmental materials and hire charges of departmental T&P from the total amount of the work, worked out at the rate given in the schedule attached to the tender.

- Note: 1) *Strike out which is not applicable
2) The rate may be quoted in words and figures

Time of completion: 14 Days

Contractor

DISTRICT COLLECTOR & EXECUTIVE OFFICER
Kerala State Haj Committee, Haj House
Malappuram-673 647.