

**UNIVERSITY OF KERALA**

**ENGINEERING UNIT, KARIAVATTOM**

**Tender Schedule for the Electrification works of the reconstructed staircase portion of the University Hostel for Women, Thycaud.**

Sl No	Qty	Unit	Description of Item	unit	Rate	Rate in words	Amount
1			Supply and wiring points according to IS 732-1989 using rigid PVC ivory 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 PVC insulated stranded single core FR <i>copper conductor cable</i> 650V grade, including providing switch board main ,and continuous earthing with 14SWG copper , required qty of copper earth socket, brass bolt and nut crimping etc complete with suitable size modular type metal switch boxes, <i>modular type front plates (white)</i> etc. up to and including 6 A modular type ROHS compliant 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.				
a	3	Nos	Single control light point with 6A, 3 plate ceiling rose	Each	841.00	Rupees Eight hundred and forty one only	2,523.00
b	8	Nos	Single control light point with 6A, 3 plate ceiling rose	Each	1149.00	Rupees One thousand One hundred and forty nine only	9,192.00
c	7	Nos	Single control light point without ceiling rose	Each	823.00	Rupees Eight hundred and twenty three only	5,761.00
d	3	Nos	Single control ceiling fan point with 6 A, 3 plate ceiling rose & with socket size stepped electronic regulator.	Each	1498.00	Rupees One thousand Four hundred and ninety eight only	4,494.00
e	3	Nos	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.	Each	421.00	Rupees Four hundred and twenty one only	1,263.00

f	6	Nos	Twin control light point with 3plate ceiling rose	Each	1262.00	Rupees One thousand Two hundred and sixty two only	7,572.00
2	6	Nos	Supply and fixing angle / straight brass lined skirt type, <i>bakelite batten holder</i> without shade and giving connection etc as required	Each	63.00	Rupees Sixty three only	378.00
3			Supply and providing the following types and power rated <i>lamps</i> in the existing fittings as required				
a	6	Nos	Normal size 15 W BC / ES retrofit CFL	Each	167.00	Rupees One hundred and sixty seven only	1,002.00
4	3	Nos	Supply and installation of suitable size <i>MS rod type fan clamp</i> as per IS 732 as required.	Each	124.00	Rupees One hundred and twenty four only	372.00
5			<i>Supply</i> , conveyance, installation, testing and commissioning of ceiling fans of the following sizes using standard accessories <i>excluding resistance type regulator</i> , wiring the down rod with 16/0.20mm PVC insulated and PVC sheathed 650/1100V grade 3 core round copper conductor flex wire or with extended original wiring etc. as required.				
a	18	Nos	1200 mm sweep - 5 star rated	Each	1853.00	Rupees One thousand Eight hundred and fifty three only	33,354.00
6			<i>Supply</i> , conveyance installation testing and commissioning of pre-wired light fittings made of CRCA with 0.5mm thickness complete with all accessories and lamps etc. directly on wall or ceiling with PVC <i>round block</i> 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 required.				

a	4	Nos	1x28wT5 fitting with APF electronic ballast suitable for continuous operation with THD <10%, power factor >0.98, RoHS compliant,high lumen tube .	Each	1717.00	Rupees One thousand Seven hundred and seventeen only	6,868.00
7	12	Nos	Supply, conveyance, installation, testing and commissioning of pre-wired 24W LED IP66 Die cast aluminium road way luminaries with high power LED on the existing GI pipe 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. (Havels make Endura City Linear Neo no LHETAXU7PN6J045/ Equivalent make of Crompton, Philips or Bajaj)	Each	5085.00	Rupees Five thousand and eighty five only	61,020.00
8	24	Nos	Supply, Conveyance, installation, testing and commissioning of surface mounting 15W round LED down light fittings directly on ceiling including giving connections with required length of 16/0.20 mm 3 core round copper conductor flex wire conforming to relevant ISS or with the extended original wiring etc as required (Havels make INTEGRALHEAAGP71W015/ Equivalent make of Philips, Crompton or Bajaj)	Each	1815.00	Rupees One thousand Eight hundred and fifteen only	43,560.00
9			Supply and fixing the following sizes of <i>PVC Conduit</i> conforming to IS 9537 / 1983 part III along with all required accessories <i>on surface</i> including making good the damages etc as required.				
a	20	m	20 mm dia light gauge	m	83.00	Rupees Eighty three only	1,660.00
10	10	m	Supply and laying 20mm PVC pipe (10Kg/cm2) along with all accessories through ground for borewell connection.	m	26.00	Rupees Twenty six only	260.00
11			Supply and drawing 650/1100 V grade <i>PVC insulated stranded single core copper conductor cables</i> conforming to IS 694 part I 1990 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.				

a	20	m	4.00 sq mm 2 run	m	106.00	Rupees One hundred and six only	2,120.00
b	20	m	2.50 sq mm 1 run	m	55.00	Rupees Fifty five only	1,100.00
12			Supply and drawing PVC insulated & sheathed 650/1100 V grade <i>3 core copper conductor flat cable for submersible pump motor</i> conforming to IS 694 part I 1990 as required including giving necessary connections of the following sizes.				
a	20	m	2.50 sq. mm	m	105.00	Rupees One hundred and five only	2,100.00
13	1	No	Supply and Fixing of DOL Starter for submersible pump motor, 240V, 50hz, 2HP(1.5KW)	Each	4319.00	Rupees Four thousand Three hundred and nineteen only	4,319.00
14			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	No	DP enclosure for independent mounting of MCB	Each	486.00	Rupees Four hundred and eighty six only	486.00
b	1	No	25 A double pole mini break isolator	Each	342.00	Rupees Three hundred and forty two only	342.00
15			Supplying and renewing the following accessories in the existing installations and giving connections etc. as required.				
a	10	Nos	6A 1 way piano type switch	Each	37.00	Rupees Thirty seven only	370.00
b	10	Nos	Normal size 15 W BC / ES retrofit CFL	Each	45.00	Rupees Forty five only	450.00
c	10	Nos	fan condenser	Each	55.00	Rupees Fifty five only	550.00
d	10	Nos	resistance type fan regulator	Each	95.00	Rupees Ninety five only	950.00
16	20	Nos	Dismantling the existing 1200mm sweep ceiling fan, cleaning, overhauling, greasing the bearing, reassembling, refitting the same in position and giving connection etc. as required.	Each	133.00	Rupees One hundred and thirty three only	2,660.00

17			Supply, fabrication, conveyance and fixing the following sizes of B class <i>GI pipe bent to shape / cut and welded to shape</i> and fixing the same to wall / parapet using clamps as noted along with each size, painting with 2 coats of synthetic enamel paint over a coat of zinc chromate primer, making good the damages, colour washing etc as required (for the installation of outdoor light fittings).				
a	12	m	32 mm dia with clamps made from 20 x 3 mm MS flat	m	299.00	Rupees Two hundred and ninety nine only	3,588.00
<b>TOTAL Rs.</b>							<b>198,314.00</b>

**PAC Rs.1,98,314/- (Rupees One Lakh Ninety eight thousand Three hundred and fourteen only)**

- I/We agreed to execute the work.
1. ....% below the estimate rate.
  2. .... % above the estimate rate.
  3. At the estimate rate.

**CONTRACTOR**

**UNIVERSITY ENGINEER**