

**UNIVERSITY OF KERALA  
ENGINEERING UNIT, KARIAVATTOM**

**Tender Schedule for Providing Outdoorlights in front of Universiy Press and Faculty Guest house at SH  
Campus Palayam.(Item rate)**

Sl.no	Qty	Specification	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 typeROHS 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	2 Nos	Single control light point with 6A, 3 plate ceiling rose	E			
b	1 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.	E			

2	1	Nos	Supply conveyance, installation, testing and commissioning of box type tube light fittings made of CRCA with 0.5mm thickness with all accessories and 18 W LED tube (1200mm) lamps <i>directly on wall</i> and giving connections with 16/0.20 mm 3 core PVC insulated and sheathed round copper conductor flex wire or extending the original wiring and giving connections as required. (Bajaj make BLARD-DB118/ Philips/ Crompton/ Havells/Wipro)	E			
3	9	Nos	Supply, conveyance, installation, testing and commissioning of pre-wired 48 W LED <i>pressure die cast aluminium IP66 Outdoor light fitting</i> complete with all accessories <i>in the existing GI pipe</i> 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 CITYLINER NEO/Philips/Crompton/Bajaj/Wipro)	E			
4			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	25	m	20 mm dia light gauge	m			
5			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	10	m	1.50 sq mm 1 run	m		
b	10	m	1.50 sq mm 2 run	m		
c	10	m	1.50 sq mm 3 run	m		
6			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	9	m	32 mm dia with clamps made from 20 x 3 mm MS flat	m		
7			Supply and drawing the following sizes of multi-core PVC insulated & PVC sheathed 650/1100 V grade <i>copper conductor round flexible cables</i> conforming to IS 694 part I 1960 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.			
a	8	m	3 core 1.00 sq. mm.	m		
8			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 ( <i>ROHS</i> )			
a	3	Nos	1 module moulded plastic box on surface	E		
9			Supply & Fixing the following types/ sizes of front plates on the existing modular boxes. (RoHS)			
a	3	Nos	1 module white/ off-white	E		

10			Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (Group B)				
a	3	Nos	6 A SP 1 way switch	E			
11			<i>Supply</i> , conveyance, installation, testing and commissioning <i>wall mounting fan</i> of the following sizes using mounting brackets supplied along with the fan and giving connection with existing wire.				
a	1	Nos	400 mm sweep	E			
			<b>Total</b>				

PAC Rs.

I/We agreed to execute the work at quoted rates.

**CONTRACTOR**

**Sd/-  
UNIVERSITY ENGINEER**

