

Schedule

UNIVERSITY OF KERALA						
SUBDIVISION I,KARIAVATTOM						
TENDER SHEDULE FOR PROVIDING ADDITIONAL CLASS ROOMS FOR DEPARTMENT OF MATHEMATICS -VERTICAL EXTENSION TO THE NEW BLOCK OF COMPUTER SCIENCE (SECOND FLOOR) AT KARIAVATTOM CAMPUS THIRUVANANTHAPURAM-ELECTRICAL WORKS						
Sl. No	Item Description	Qty	Unit	Rate / Unit	Rate in Words	Amount
1	od269868/2021_2022 Supply of 20 W linear LED T8 tube (RoHS compliant) with extruded aluminium body, PC diffuser and inbuilt driver with double sided connection suitable for continuous operation on 230 V, 50 Hz AC supply and having THD <10%, power factor >0.98 etc as required. (Make- Crompton-LTT8-20, Philips or Havells)	50	each	497.00	Four Hundred and Ninety Seven Rupees Only	24850.00
2	od269869/2021_2022 Supply of the light fittings made of CRCA sheet with 0.50 mm thickness complete with all accessories suitable for single T8 20/22 W LED tube (Make- Philips TMC 501 P 1XT-LED 22W P3241 or as per the Approved brands/ instruction by Engineer-in-charge)	50	each	418.00	Four Hundred and Eightteen Rupees Only	20900.00
3	1.41 Installation, testing and commissioning of pre - wired, fluorescent fitting/ compact fluorescent fitting of all types, complete with all accessories and tube etc. directly on ceiling/ wall, including connection with 1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable and earthing etc. as required.	50	each	199.32	One Hundred and Ninety Nine Rupees Thirty Two Paise Only	9966.00

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4	<p>1.43 Providing and fixing extra conduit down rod of 20 mm dia, 2X10 cm length wiring with 2 X1.5 sq.mm FRLS PVC insulated, copper conductor, single core cable including painting etc. as required. (Note: Morethan 5 cm length shall be rounded to the nearest 10 cm and 5 cm or less shall be ignored)</p>	20	each	47.46	Fourty Seven Rupees Fourty Six Paisa Only	949.20
5	<p>1.44 Installation, testing and commissioning of ceiling fan, including wiring the down rods of standardlength (upto 30 cm) with 1.5 sq. mm FRLS PVC insulated, copper conductor, single core cable etc.as required.</p>	14	No	203.39	Two Hundred and Three Rupees Thirty Nine Paisa Only	2847.46
6	<p>od269888/2021_2022 Supply of following size ceiling fan complete with all accessories including 300 mm long down rod, canopies, shackles, blades etc as required but excluding fan regulator and suitable for working on single phase 230 V, 50 Hz AC supply. (Make: Crompton-Hi Speed / plus, Havells-Aeroking, Orient or Bajaj)
1200 mm sweep ceiling fan.</p>	14	each	1975.00	One Thousand Nine Hundred and Seventy Five Rupees Only	27650.00
7	<p>1.25 Supplying and fixing two module stepped type electronic fan regulator on the existing modular plate switch box including connections but excluding modular plate etc. as required.</p>	14	each	406.77	Four Hundred and Six Rupees Seventy Seven Paisa only	5694.78

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8	90.4.2 Supply and installation of suitable size MS belt type fan clamp fabricated from flat iron 40 x 6 mm, 150mm long x 2 Nos with M.S. rod bent to shape, neatly painted with 2 coats of enamel paint over a coat of red oxide primer as per IS 732 as required.	14	each	189.42	One Hundred and Eightty Nine Rupees Fourty Two Paisa Only	2651.88
9	od274423/2021_2022 Supply and providing 20 mm corrugated PVC flexible conduit as required at site.	50	meter	20.49	Twenty Rupees Fourty Nine Paisa Only	1024.50
10	90.6.5.11 Supply and drawing the following sizes of multi-core PVC insulated & FRLS PVC sheathed 650/1100 V grade copper conductor round flexible cables conforming to IS 694 part I 1960 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.3 core 1.50 sq Mm	51.2	meter	82.69	Eighty Two Rupees Sixty Nine Paisa only	4233.73
2 POINT WIRING						
1	od275171/2021_2022 Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS PVC insulated copper conductor single core cable in surface / recessed ISI marked rigid PVC conduit of minimum size 20 mm conforming to IS: 9537 Part-3 1983 with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FRLS PVC insulated copper conductor single core cable etc as required. Group A	64	point	846.12	Eight Hundred and Fourty Six Rupees Twelve Paisa Only	54151.68

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2	<p>od271081/2021_2022Supply and wiring points according to IS: 732-1989 using ISI marked rigid PVC conduit of minimum size 20 mm conforming to IS: 9537 Part-3 1983 and with suitable size specials conforming to IS: 3419-1988, fixing the conduit using metal saddles spacing not exceeding 50 cms or concealed suitably and with ISI marked 1.50 sq. mm PVC insulated stranded single core FRLS copper conductor cable of 650 / 1100 V grade, including providing switch board main and continuous earthing with ISI marked 1.50 sq. mm PVC insulated stranded single core FRLS copper conductor cable 650 / 1100 V grade, required quantity of copper earth socket, brass bolt and nut, crimping / soldering etc complete with suitable size modular type metal switch boxes, modular type front plates (white) etc up to and including 6A 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. (RoHS compliant modular accessories)
Combined plug point with 6A, 5-pin plug socket controlled by 6A switch in the same switch board as that of light points - Short point.</p>	7	point	497.62	Four Hundred and Ninety Seven Rupees Sixty Two Paise Only	3483.34
3switch board and accessories						
1	<p>1.27.2 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.3 Module (100mmX75mm)</p>	7	each	317.28	Three Hundred and Seventeen Rupees Twenty Eight Paise Only	2220.96

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2	1.24.3 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.15/16 amp switch	7	each	155.93	One Hundred and Fifty Five Rupees Ninety Three Paise Only	1091.51
3	1.24.5 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.6 pin 15/16 amp socket outlet	7	each	207.45	Two Hundred and Sewven Rupees Fourty Five Paise Only	1452.15
4	1.27.4 Supplying and fixing following size/ modules, GI box alongwith modular base & cover plate for modular switches in recess etc as required.6 Module (200mmX75mm)	7	each	395.92	Three Hundred and Ninety Five Rupees Ninety Two Paise Only	2771.44
5	1.24.1 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.5/6 amps switch	14	each	101.69	One Hundred and One Rupees Sixty Nine Paise Only	1423.66
6	1.24.4 Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required.3 pin 5/6 amp socket outlet	14	each	131.52	One Hundred and Thirty One Rupees Fifty Two Paise Only	1841.28
4 Distribution board						

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1	2.3.4 Supplying and fixing following way, single pole and neutral, sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, neutral bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCBIRCCB/Isolator16 way, Double door	2	each	2916.54	Two Thousand Nine Hundred and Sixteen Rupees Fifty Four Paisa Only	5833.08
2	2.10.1 Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required.Single pole	24	each	237.28	Two Hundred and Thirty Seven Rupees Twenty Eight Paisa Only	5694.72
3	2.12.1 Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	2	each	402.70	Four Hundred and Two Rupees Seventy Paisa Only	805.40
4	2.14.2 Supplying and fixing following rating, double pole, (single phase and neutral), 240 V, residual current circuit breaker (RCCB), having a sensitivity current 30 mA in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	2	each	2490.79	Two Thousand Four Hundred and Ninety Rupees Seventy Nine Paisa Only	4981.58

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5	od274764/2021_2022 Supplying and fixing 40 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole	2	each	455.93	Four Hundred and Fifty five Rupees Ninety Three Paise Only	911.86
5 Cable						
1	90.12.7.13 Supply, laying and clamping of 1 no. PVC insulated and PVC sheathed armoured aluminium power cable, 1.1 KV grade of the following sizes using clamps noted along with the cables, spacing of clamps not exceeding 60cms, making good the damages , colour washing etc. as required.3 core 6 sq mm with factory made clamp	50	meter	207.95	Two Hundred and Seven Rupees Ninety Five Paise only	10397.50
2	9.1.7 Supplying and making end termination with brass compression gland and aluminium lugs for following size of PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 KV grade as required.3 X 10 sq. mm (22mm)	4	set	250.84	Two Hundred and Fifty Rupees Eighty Four Paise Only	1003.36
6 Wires						
1	1.17.1 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.1 x 1.5 sq. Mm	30	meter	33.90	Thirty Three Rupees Ninety Paise Only	1017.00

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2	1.17.2 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.2 x 1.5 sq. Mm	25	meter	48.81	Fourty Eight Rupees Eighty One Paisa Only	1220.25
3	1.17.4 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.4 x 1.5 sq. Mm	10	meter	78.64	Seventy Eight Rupees Sixty Four Paisa Only	786.40
4	1.17.17 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.8 x 2.5 sq. Mm	10	meter	225.08	Two Hundred and Twenty Five Rupees Eight Paisa Only	2250.80
5	1.17.3 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.3 X 1.5 sq.mm	25	meter	63.73	Sixty Three Rupees Seventy Three Paisa Only	1593.25
6	1.17.11 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.2 x 2.5 sq. Mm	30	meter	66.44	Sixty Six Rupees Fourty Four Paisa Only	1993.20

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7	1.17.13 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.4 x 2.5 sq. Mm	25	meter	112.54	One Hundred Twelve Rupees Fifty Four Paisa Only	2813.50
8	1.17.15 Supplying and drawing following sizes of FRLS PVC insulated copper conductor, single core cable in the existing surface / recessed steel/ PVC conduit as required.6 x 2.5 sq. Mm	25	meter	169.49	One Hundred and Sixty Nine Rupees Fourty Nine Paisa Only	4237.25
9	1.14.1 Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface / recessed medium class PVC conduit as required 2x1.5 sq.mm + 1x1.5 sq.mm earth wire	60	meter	173.56	One Hundred and Seventy Three Rupees Fifty Six Paisa Only	10413.60
7 Conduit						
1	90.6.10.1 Supply and fixing of following sizes of light gauge PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required20 mm	30	meter	97.71	Ninety Seven Rupees Seventy One Paisa Only	2931.30

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2	90.6.10.2 Supply and fixing of following sizes of light gauge PVC conduit along with accessories in surface/ recess including cutting the wall and making good the same in case of recessed conduit as required 25 mm	70	meter	108.07	One Hundred and Eight Rupees Seven Paisa Only	7564.90
	Total					235652.52
	GRAND TOTAL after round off:					235653.00

(Rupees Two lakh Thirty Five Thousand Six hundred and Fifty Three only)

I / We agree to undertake the above mentioned work:-

- 1) At the estimate rate.
- 2) At.....% below the estimate rate.
- 3) At% above the estimate rate.

Rate should be quoted both in figures and words

CONTRACTOR

ASSISTANT EXECUTIVE ENGINEER