

**UNIVERSITY OF KERALA
ENGINEERING UNIT**

**Tender schedule Electrical Works for Language Laboratory of Hindi Department in ONV Memorial
school of Indian Languages at Kariavattom Campus**

SL.NO	SPECIFICATION	QTY	UNIT	RATE	RATE IN WORDS	AMOUNT
1.01	1.21.2 : Supplying and fixing of following sizes of medium class 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	50.00	metre	95.17	Rupees Ninety Five and Ps seventeen only	4758.5
1.02	od102208/2020_2021 : Supply and providing 20 mm corrugated PVC flexible conduit as required at site.	20.00	metre	16.52	Rupees Sixteen and Ps Fifty Two only	330.4
1.03	90.9.1.1 : Supply and fixing 50 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.50x50mm Cable Management System with base and lid	25.00	metre	691.21	Rupees Six Hundred and Ninety One and Ps Twenty One only	17280.25
1.04	90.9.1.7 : Supply and fixing 50 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.End cap	5.00	each	90.07	Rupees Ninety and Ps seven only	450.35
1.05	90.9.1.9 : Supply and fixing 50 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.Joint cover	5.00	each	80.07	Rupees Eighty and Ps seven only	400.35

1.06	90.9.2.1 : Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.100 x 50 mm CMS with base and lid	30.00	metre	1000.21	Rupees Thousand and Ps Twenty One only	30006.3
1.07	90.9.2.8 : Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.End cap	5.00	each	132.07	Rupees One Hundred and Thirty Two and Ps seven only	660.35
1.08	90.9.2.10 : Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.Joint cover	5.00	each	102.07	Rupees One Hundred and Two and Ps seven only	510.35
1.09	90.9.2.5 : Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.Internal angle 90 degree	2.00	each	241.07	Rupees Two Hundred and Forty One and Ps seven only	482.14
1.10	90.9.2.3 : Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.External angle 90 degree	2.00	each	241.07	Rupees Two Hundred and Forty One and Ps seven only	482.14
1.11	90.9.2.12 : Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.1 to 3 module mounting box	2.00	each	159.86	Rupees One Hundred and Fifty Nine and Ps Eighty Six only	319.72

1.12	90.9.2.14 : Supply and fixing 100 x 50 mm PVC Cable Management System with base and lid along with the following accessories conforming to IEC 61084/ BS 476 & 4678 on surface / recess including cutting the wall and making good the damages in case of recessed installation as required.8 module mounting box	20.00	each	259.86	Rupees Two Hundred and Fifty Nine and Ps Eighty Six only	5197.2
1.13	90.3.12 : Conveyance and fixing charges of recess mounting down light fittings of all types complete with all accessories in the existing opening of false ceiling, giving connections with the existing wire etc., as required.	20.00	each	70.94	Rupees Seventy and Ps Ninety Four only	1418.8
1.14	od101988/2020_2021 : Supply and testing the following ratings of recess mounting round LED down light fittings of all types complete with all accessories including driver in the existing opening of false ceiling, giving connections with required length of 16/0.20 mm 3-core PVC insulated and PVC sheathed copper conductor round flexible wire of grade 1.1 kV conforming to relevant ISS or extending the original wiring and giving connections as required. 18W recess mounting round LED down light suitable for continuous operation with THD $\leq 10\%$, power factor >math>0.98</math> and RoHS compliant. (Make- Crompton-LSCRM-18W-CDL, Havells, Philips or Wipro)	20.00	each	1249.00	Rupees One Thousand Two Hundred and Forty Nine only	24980
1.15	90.4.8 : Charges for cutting holes suitable for accommodating exhaust fans up to 305mm sweep including plastering colour washing etc. as required.	1.00	each	392.48	Rupees Three Hundred and Ninety Two and Ps Forty Eight only	392.48
1.16	90.4.10 : Conveyance, installation , testing and commissioning of exhaust fans of size up to 450mm in the existing opening, fixing necessary anchor bolts / bolt and nuts etc., as required including giving connections with the supplied wire along with the exhaust fan.	1.00	each	490.93	Rupees Four Hundred and Ninety and Ps Ninety Three only	490.93

1.17	od102054/2020_2021 : Supply and providing 250 mm sweep light duty exhaust fan in plastic body with self opening louvers, suitable for working on 230 V AC supply in the existing opening, fixing with necessary bolts and nuts, making good the damages etc as required including giving connections with required length of 24/0.20 mm 3-core PVC insulated and PVC sheathed copper conductor round flexible wire of grade 1.1 kV conforming to relevant ISS. (Make: Havells, Almonard, Bajaj or Crompton)	1.00	each	1245.16	Rupees One Thousand Two Hundred and Forty Five Ps sixteen only	1245.16
1.18	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	60.00	metre	31.72	Rupees Thirty One and Ps seventy Two only	1903.2
1.19	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	35.00	metre	68.97	Rupees Sixty Eight and Ps Ninety Seven only	2413.95
1.2	od103664/2020_2021 : 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 2.5 sq. mm	75.00	metre	42.76	Rupees Ninety Five and Ps seventeen only	3207
1.21	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	60.00	metre	73.10	Rupees Ninety Five and Ps seventeen only	4386

1.22	1.17.12 : 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 2.5 sq. mm	200.00	metre	103.45	Rupees Ninety Five and Ps seventeen only	20690
1.23	od103665/2020_2021 : 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 4 sq. mm	50.00	metre	63.45	Rupees Ninety Five and Ps seventeen only	3172.5
1.24	1.17.20 : 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 4 sq. mm	75.00	metre	108.96	Rupees Ninety Five and Ps seventeen only	8172
1.25	1.17.22 : 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 4 sq. mm	10.00	metre	204.14	Rupees Ninety Five and Ps seventeen only	2041.4
1.26	1.17.29 : 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 6 sq. mm	50.00	metre	158.62	Rupees Ninety Five and Ps seventeen only	7931
1.27	od102585/2020_2021 : 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-1 1960 in the existing surface / recess conduit as required including giving necessary connections of the following sizes.
3-core 1.00 sq. mm	20.00	metre	67.21	Rupees Sixty Seven and Ps Twenty One only	1344.2

1.28	90.10.1.2 : 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 (RoHS compliant)2 module moulded plastic box on surface	6.00	each	209.48	Rupees One Hundred and Fourteen and Ps Forty Eight only	1256.88
1.29	1.28.1 : Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.1 or 2 Module	6.00	each	114.48	Rupees One Hundred and Fourteen and Ps Forty Eight only	686.88
1.3	1.28.2 : Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.3 Module	2.00	each	125.52	Rupees Ninety Five and Ps seventeen only	251.04
1.31	1.28.5 : Supplying and fixing following Modular base & cover plate on existing modular metal boxes etc. as required.8 Module	20.00	each	208.27	Rupees Two Hundred and Eight and Ps Twenty Seven only	4165.4
1.32	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	40.00	each	115.86	Rupees One Hundred and Fifteen and Ps Eighty Six only	4634.4
1.33	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	2.00	each	157.24	Rupees One Hundred and Fifty Seven and PsTwenty Four only	314.48

1.34	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	60.00	each	111.72	Rupees One Hundred and Eleven and Ps Seventy Two only	6703.2
1.35	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	2.00	each	211.03	Rupees Two Hundred and Eleven and Ps Three only	422.06
1.36	90.10.3.15 : Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant)32A DP switch with indicator	3.00	each	555.07	Rupees Five Hundred and Fifty Five and Ps sevenonly	1665.21
1.37	90.10.3.33 : Supply and Fixing the following modular switches & accessories in the existing front plates and giving necessary connections as required (RoHS compliant)25A 3pin Shuttered socket	3.00	each	309.79	Rupees Three Hundred and Nine and Ps seventy Nine only	929.37
1.38	1.26 : Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required.	5.00	each	33.10	Rupees Thirty Three and Ps Ten only	165.5
1.39	2.3.3 : 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/Isolator12 way, Double door	1.00	each	1587.57	Rupees One Thousand Five Hundred and Eighty Seven and Ps Fifty seven only	1587.57

1.4	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	8.00	each	238.62	Rupees Two Hundred and Thirty Eight Ps sixty two only	1908.96
1.41	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	2.00	each	306.20	Rupees Three Hundred and six and Ps Twenty only	612.4
1.42	2.14.2 : Supplying and fixing following rating, double pole, (single phase and neutral), 240 volts, residual current circuit breaker (RCCB), having a sensitivity current upto 300 milliamperes in the existing MCB DB complete with connections, testing and commissioning etc. as required.40 amps	1.00	each	2371.02	Rupees Two Thousand Three Hundred ans seventy one and Ps Two only	2371.02
1.43	od102201/2020_2021 : Supplying and fixing 4-pole sheet steel enclosure conforming to IEC: 61439-3 on surface / in recess and suitable for mounting MCB / Isolator complete with connections, testing, commissioning etc. as required.	2.00	each	405.65	Rupees Four Hundred and five and Ps sixty five only	811.3
1.44	2.11 : Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	5.00	each	9.66	Rupees Nineand Ps sixty six only	48.3
1.45	od74961/2020_2021 : Dismantling of existing ceiling fan of all types along with all accessories and conveying the same to the section store without any damage as required.	7.00	each	51.03	Rupees Fifty One and Ps Three only	357.21

1.46	od103672/2020_2021 : Dismantling of existing pre-wired fluorescent / LED fitting of all types, complete with all accessories including tube, ball and socket arrangement, 2 nos. down rods of 20 mm dia X 1.6 mm thick steel conduit upto 60 cm length etc and conveying the same to the section store without any damage as required.	20.00	each	26.21	Rupees Twenty Six and Ps Twenty One only	524.2
TOTAL						174082.1

PAC Rs.1,74,082/- (Rs. One Lakh Seventy Four thousand and Eighty Two only)

I/We agreed to execute the work.

1.% above the estimate rate.

2.% below the estimate rate.

3. At the estimate rate.

sd/-

CONTRACTOR

UNIVERSITY ENGINEER