

Schedule

UNIVERSITY OF KERALA						
SUBDIVISION II,KARIAVATTOM						
TENDER SHEDULE –ELECTRICAL WORKS - BEAUTIFICATION WORK AND DEVELOPMENT OF PARKING AREA TO THE UNIVERSITY GUEST HOUSE KARIAVATTOM CAMPUS						
Sl. No	Item Description	Qty	Unit	Rate / Unit	Rate in Words	Amount
1 Lights						
1	od234/2022_2023 Supply of 35W LED Post top luminaire,Polyester UV resistant powder coated die cast aluminium housing with clear diffuser for uniform distribution with IP66 Protection including all accessories as required for complete Installation.(Wipro LP07 Post Top or Equivalent make)	3	each	6736.70	Six Thousand Seven Hundred and Thirty Six Rupees Seventy Paise only	20210.10
2	90.3.17.3 Supply, conveyance and erection of the following sizes of 'B' class GI pipe in single section for post top lantern of all types on concrete base (excluding charges for concrete base and excavation) and painting with 2 coats of synthetic enamel paint over a coat of zinc chromate primer etc. as required.50 mm dia GI Pipe	12	meter	636.71	Six Hundred and Thirty Six Rupees Seventy One Paise only	7640.52
3	od235/2022_2023 Supply,Installation,testing and commissioning of 11W LED Bollard fixture,suitable for landscape lighting with IP65 protection made of extruded Aluminium housing and including all accessories as required for complete installation and making good any damages made during installation as instructed by Engineer in Charge (Wipro make LB14 or Equivalent)	6	each	6921.66	Six Thousand Nine Hundred and Twenty One Rupees Sixty Six Paise Only	41529.96

Schedule

4	<p>od4057/2022_2023 Supply, Conveyance, installation, testing and commissioning of 40W LED street light output greater than 100 lumen/W 4000-6000 K with IP 66 protection LED Chip make Cree/Lumiled/Nichea with power factor greater than 0.95 at full load, internal surge protection up to 8 KV, and Aluminium pressure die-cast Powder coated housing, acrylic cover complete with THD less than 10%, power factor greater than 0.98, RoHS compliant, duly wired up for use on 230 V AC supply. Driver compartment should be separately accessible for maintenance. (Ref code : Havells Endura Pearl Neo/Crompton/Philips/Wipro)</p>	6	each	4436.38	Four Thousand Four Hundred and Thirty Six Rupees Thirty Eight Paise only	26618.28
5	<p>od348300/2021_2022 Supply and fixing the following sizes of Pole mounted junction box /cut-out box /fuse box of Sintex/Fibre reinforced plastic box of IP66 for road/street lighting with DIN rail for fixing MCB, Provision for fixing Neutral link for termination of cables, Fixing the same on lamp post using suitable size painted flat iron clamps with bolts and nut with washers etc..as required 250x200x105 MM</p>	5	each	739.11	Seven Hundred and Thirty Nine Rupees Eleven Paise only	3695.55
6	<p>od349490/2021_2022 Supply, fabrication, conveyance and fixing the following sizes of B class GI pipe bent to shape / cut and welded to the lamp post as shown in layout drawing ,grinding the welded portion for fine surface and shape, painting with 2 coats of synthetic enamel paint over a coat of zinc chromate primer, making good the damages, colour washing etc as required. 32 mm dia B Class GI Pipe</p>	12	meter	412.98	Four Hundred and Twelve Rupees Ninety Eight Paise only	4955.76
7	<p>od349491/2021_2022 Supply, conveyance and erection of the lamp post made from 75/80 mm dia 'B' class GI pipe with 250x250x6mm MS anchor plate at the bottom on concrete base (excluding charges for concrete base and excavation) , drilling necessary holes for drawing wires, painting with 2 coats of best quality synthetic enamel paint over a coat of zinc chromate primer etc. as required. (The layout shall be obtained from the section office prior to the Fabrication Process)</p>	12	meter	859.41	Eight Hundred and Fifty Nine Rupees Fourty One Paise only	10312.92

Schedule

2.Civil Items						
1	14.1 Excavation for foundation in soft soil including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 metres.	0.585	cum	391.86	Three Hundred and Ninety One Rupees Eighty Six paisa only	229.24
2	14.7 Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) in foundation of pump, DG set etc including form work etc as required.	0.72	cum	8974.70	Eight Thousand Nine Hundred and Seventy Four Rupees Seventy Paisa only	6461.78
3	od804/2022_2023 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.(Civil DSR Vol 1 5.22.1)	75	kg	76.00	Seventy Six Rupees only	5700.00
3.Panel Board						
1	od1227/2022_2023 Fabrication, supply, conveyance, installation, testing and commissioning of standalone self supported type, dust and vermin proof, cubicle type MV Out door type Feeder pillar box with housing confirming to IP65 and IS 8623 standards comprising of the following components/ devices & complying to IS 8623. Fabrication of fully partitioned weatherproof, dust and vermin proof,enclosure for panel assembly as per form 4 of IS 8623 (with latest amendments) using CRCA sheet as per approved design and requirement, with front and rear access facility, bus bar chambers, hinged doors for all switch gear compartments, Totally enclosed Hinged doors at the entire portion of the front and rear side for water tight arrangements, integral slanted top canopy projected all four sides to prevent entry of rain water,earthing the doors using 4 sq mm braided copper conductor, providing necessary cut-outs for mounting meters, relays, indication lamps, bus bar interconnection etc, detachable covers for bus bar chamber and cable alley, powder coating the assembly after subjecting to 7 tank process etc as required.The cable entry arrangement shall be at the bottom and from back side through a detachable gland plate for entry/exit of the incoming & outgoing cables.CRCA sheet alone be used for the fabrication. Angles/ flats/ slotted angles etcshall not be used for the fabrication of panel assembly. The measurments will be taken the area of the complete sheets used for panel board including partitions, folding, shrouding etc. Supply and fabrication of MV panel board using 2.00mm CRCA sheet, powder coated (excludingbase frame)	2	sqm	2751.04	Two Thousand Seven Hundred and Fifty One Rupees Four Paisa only	5502.08

Schedule

2	90.11.1.15 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 6 way (8+18) - double cover TPN vertical DB with provision for fixing 4P MCB / Isolator/ RCCB/ RCBO as incomer and SP/ TP MCB as outgoing (IP 42/43)	1	each	7243.18	Seven Thousand Two Hundred and Fourty Three Rupees Eighteen Paisa only	7243.18
3	od1250/2022_2023 Supply and Fixing of Red, Green, Blue, Yellow, Orange colours LED indicator, AC/DC, 22.5 mm cut including Connection etc..as required	3	each	70.31	Seventy Rupees Thirty One Paisa only	210.93
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	4	each	237.28	Two Hundred and and Thirty Seven Rupees Twenty Eight Paisa only	949.12
5	2.13.1 Supplying and fixing following rating, four pole, 415 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc. as required. 40 amps	1	each	989.81	Nine Hundred and Eighty Nine Rupees Eighty One Paisa only	989.81
6	2.15.2 Supplying and fixing following rating, four pole, (three phase and neutral), 415 volts, 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	1	each	3121.28	Three Thousand One Hundred and Twenty One Rupees Twenty Eight Paisa only	3121.28
7	2.21 Providing and fixing M.V. danger notice plate of 200 mm X 150 mm, made of mild steel, at least 2mm thick, and vitreous enameled white on both sides, and with inscription in single red colour on front side as Required.	1	each	268.47	Two Hundred and Sixty Eight Rupees Fourty seven Paisa only	268.47

Schedule

8	15.4.1 Supplying, installation, testing and commissioning of Astronomical time switch capable of following output in feeder pillars/ Lighting DBs for automatic switching On &OFF of street lights at sun set & sun ruse or twilight override facility with 12/24 hour display format with suitable battery and indication for relay status i/c programming at site complete ad required1 output per phase and suitable for single phase supply	1	No	4348.37	Four Thousand Three Hundred and Fourty Eight Rupees Thirty Seven Paisa only	4348.37
4.Cable						
1	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	48	meter	82.69	Eighty Two Rupees Sixty Nine Paisa only	3969.12
2	90.12.5.12 Supply & laying of one number PVC insulated and PVC sheathed armoured aluminium power cable of 1.1KV grade of the following sizes in the existing RCC/ HUME / STONE WARE/ GI/ DWC pipe as required.3 core 4 sq mm	215	meter	169.69	One Hundred and Sixty Nine Rupees Sixty Nine Paisa only	36483.35
3	90.12.10.2 Supply & laying of DWC pipe in ordinary soil 0.75m below ground level including excavation50/38 mm or nearest size	200	meter	290.15	Two Hundred and Ninety Rupees Fifteen Paisa only	58030.00
4	90.16.2.4 Supply and laying of the following sizes of B class GI pipe laid 0.6 m below ground level including excavating trench of suitable size and refilling etc, as required.40 mm dia G.I. pipe (medium class)	18	meter	437.96	Four Hundred and Thirty Seven Rupees Ninety Six Paisa only	7883.28

Schedule

5	od4279/2022_2023 Supply of following size of unarmoured PVC insulated and PVC sheathed 650/1100 V grade aluminium conductor weather proof service cable with BIS marking along with necessary stay wire etc.. as required. 2 core 6 mm ²	10	meter	34.84	Thirty Four Rupees Eighty Four Paise only	348.40
6	90.12.6.2 Supply & laying of one No. PVC insulated and PVC sheathed armoured aluminium power cable of 1.1 KV grade of the following sizes in the existing masonry open duct as required.2 core 6 sq mm	3	meter	164.69	One Hundred and Sixty Four Rupees Sixty Nine Paise only	494.07
7	9.1.1 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.2 X 6 sq. mm (19mm)	10	set	235.93	Two Hundred and Thirty Five Rupees Ninety Three Paise only	2359.30
8	od4374/2022_2023 Earthing with G.I. earth pipe 2.5 metre long, 40 mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/ coke and salt as required	1	set	4880.79	Four Thousand Eight Hundred and Eighty Rupees Seventy Nine Paise only	4880.79
9	90.16.1.3 Supply and drawing bare earthing conductors of the following sizes along with wiring/ cables and giving connection as required3.15 mm copper conductor (10 SWG)	12	meter	62.98	Sixty Two Rupees Ninety Eight Paise only	755.76
10	90.16.5.3 Supply of superior quality copper earth socket for the following size of earth conductor including crimping etc. as required.3.15 mm (10 SWG)	4	each	26.98	Twenty Six Rupees Ninety Eight Paise only	107.92

Schedule

11	od4241/2022_2023 Fixing of water proof SMC/FRP box of size 350 x 270 x 210 mm having hinged door construction, on RCC pole/Wall etc..as required	1	job	573.51	Five Hundred and Seventy Three Rupees Fifty One Paise only	573.51
12	od4242/2022_2023 Supply of water proof SMC/FRP box of size 350 x 270 x 210 mm having hinged door construction, suitable for fixing on RCC pole/Wall etc..as required	1	each	1150.00	One Thousand One Hundred and Fifty Rupees only	1150.00
13	od4265/2022_2023 Supply and installation of 63 A, 2-Way neutral links mounted on DMC/SMC base in the existing meter board including giving connections as required.	1	each	200.84	Two Hundred Rupees Eighty Four Paise only	200.84
14	od4269/2022_2023 Supply and fixing 63 A re-wireable type cut-out fuse unit conforming to IS: 2086 and suitable for 415 V, 50 Hz AC supply in the existing meter board and giving necessary connections as required. 	2	each	255.42	Two Hundred and Fifty Five Rupees Fourty Two Paise only	510.84
	Total					267734.53
	GRAND TOTAL after round off:					267735.00

(Rupees Two lakh Sixty Seven Thousand Seven Hundred and Thirty Five 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