

**UNIVERSITY OF KERALA  
ENGINEERING UNIT, KARIAVATTOM**

**TENDER SCHEDULE FOR THE WORK OF VERTICAL EXTENSION TO THE OPTO ELECTRONICS DEPARTMENT  
BUILDING (II FLOOR) TO ACCOMMODATE DEPT. OF ARCHEOLOGY & AT KARIAVATTOM.**

**Date of Tender: 29.10.2013**

**Time of Completion: 10 months**

Sl.No.	Quantity	Description of Items	Unit	Rate	Rate in words.	Amount
1.	4M <sup>3</sup>	Demolishing and removing cement concrete and disposal of debris within 150M as per deptl. direction.	M3	1301.00	Rs. One thousand three hundred & one	5204/-
2.		Dismantling and removing the AC sheet roofing and truss carefully without making any damages stacking materials nearby reuse etc. complete	LS			20,000/-
3.	16000dm <sup>3</sup>	Reinforced cement concrete 1:11/2:3 for column using 20mm broken stone in II floor including all form work (M sand )	10dm <sup>3</sup>	171.00	Rs. One hundred & seventy one	2,73,600/-
4.	43000dm <sup>3</sup>	Reinforced cement concrete 1:11/2:3 for using 20mm broken stone for lintel, sunshade, staircase , beam etc. in second floor(M sand )	10dm <sup>3</sup>	163.21	Rs. One hundred & sixty three & ps. twenty one	7,01,803 /-
5.	46000dm <sup>3</sup>	-Do- -do- for roof slab in second floor(M sand )	10dm <sup>3</sup>	156.28	Rs. One hundred & fifty six & ps. twenty eight	7,18,888/-
6.	120 qtl	Reinforcement for R.C.C. work bend, tied and placed in position using tor steel (Fe-415 )	Qtl	7558.00	Rs. Seven thousand five hundred & fifty eight	9,06,960/-
7.	120M <sup>3</sup>	Cement concrete blocks work in cement mortar 1:6 with solid cement concrete bricks of size 40x20x15 cm for IInd floor including watering curing etc complete (M sand )	M <sup>3</sup>	4911.00	Rs. Four thousand nine hundred & elven	5,89,320/-
8.	50M <sup>2</sup>	Supplying and fixing fully glazed steel	M <sup>2</sup>	3898.00	Rs. Three thousand eight hundred &	1,94,900/-

		windows using rolled steel sections 20mmx19mmx2mm I or J section as directed by the deptl. Authorities with 12mm & security bar at 10cm c/c and 3mm thick plain glass panes etc. complete.			ninety eight	
9.	200dm <sup>3</sup>	Pincoda wood planed and framed work for frames of doors.	10dm <sup>3</sup>	1123.86	Rs. One thousand two hundred and twenty three and Ps Eighty six	22,477/-
10.	1000dm <sup>2</sup>	Supplying and fixing fully paneled door shutter using Pincoda wood having 100x35mm door shutter alround and two numbers intermediate horizontal and 1 No. intermediate vertical 16mm thick planks for panels including labour charges for fixing all fittings.	10dm <sup>2</sup>	524.83	Rs. Five hundred & twenty four and Ps. Eighty three only	52,483/-
11.	0.20Q	Supplying and fixing 32mmx6mm flat iron hold fast 40cm long bent to suitable shape etc. complete	Q	8359.00	Rs. Eight thousand three hundred & fifty nine	1,672/-
12.	24 Nos.	Supplying 100mm iron butt hinges with necessary iron screws.	10 Nos.	122.40	Rs. One hundred & twenty two & ps. forty	294/-
13.	12 Nos.	Supplying 200mm iron barrel tower bolt	10 Nos.	186.00	Rs. One hundred & eighty six	223/-
14.	3 Nos.	Supplying 200mm Alu. Aldrop with steel screws.	10 Nos.	1573.00	Rs. One thousand five hundred & seventy three	472/-
15.	3 Nos.	Supplying 65mm pad lock (6 lever) good quality	E	265.00	Rs. Two hundred & sixty five	795/-
16.	1500M <sup>2</sup>	Plastering 1:4, 12mm thick one coat(River sand )	10M <sup>2</sup>	2191.00	Rs. Two thousand one hundred & ninety one	3,28,650/-
17.	510 M <sup>2</sup>	Plastering with cement mortar 1:3, 12mm thick two coat	10M <sup>2</sup>	2744.00	Rs. Two thousand seven hundred & forty four	1,39,944/-
18.	500M <sup>2</sup>	Plastering with cement mortar 1:3,	10M <sup>2</sup>	1872.00	Rs. One thousand eight hundred &	93,600/-

		9mm thick one coat			seventy two	
19.	9000dm <sup>3</sup>	Granolithic flooring 20 mm thick in cement 1:3:6 using 6 mm nominal size broken stone	10 dm <sup>3</sup>	54.29	Rs. Fifty four & ps. twenty nine	48,861/-
20.	40M <sup>2</sup>	Flooring with ceramic floor tiles with cement mortar 1:3, 12mm thick one coat and plastering with colour cement for toilets	M <sup>2</sup>	870.00	Rs. Eight hundred & seventy	34,800/-
21.	420M <sup>2</sup>	Flooring finishing with vitrified tiles(60x60) 1:3, 12mm thick two coat and floated hard and trowel led smooth	M <sup>2</sup>	1233.00	Rs. One thousand two hundred & thirty three	5,17,860/-
22.	25 M <sup>2</sup>	Da-doing walls with 1 <sup>st</sup> quality colour glazed tile with cement mortar 1:3, 12mm thick two coat and pointing with colour cement 150cm height.	M <sup>2</sup>	1441.00	Rs. One thousand four hundred & forty one	36,025/-
23.	2 Nos.	Supplying and fixing European type white glazed earthen were W.C pan with S or P trap, duroplastic cover and CP brass hinges with rubber, PVC flush tank 1 No. 15mm angle valve, 1 No. PVC connection etc. complete.	E	3245.00	Rs. Three thousand two hundred & forty five	6,490/-
24.	2 Nos.	Supplying and fixing white glazed earthen Orissa pattern water closet with trap with P or S strap with low level flushing system and 15mm CP angle valve including cutting and making good the walls.	E	4156.00	Rs. Four thousand one hundred & fifty six	8,312/-
25.	4 Nos.	Supplying and fixing 550x400mm or nearest size wash hand basin and 1 pair CI bracket, 1 No. 15mm CP pillar tap 1 No. 15mm CP angle valve 1No. 15mm PVC connection, 1 No. 32mm CP waste 1No. 32mm PVC waste etc.	E	2984.00	Rs. Two thousand nine hundred & eighty four	11,936/-

		complete.				
26.	50M	Supplying and fixing and jointing 110mm PVC pipe 4 kg/cm <sup>2</sup> pipe with clamp including cutting and making good the wall.	M	224.00	Rs. Two hundred & twenty four	11,200/-
27.	25Nos.	Supplying and fixing 110mm PVC door elbow	E	193.00	Rs. One hundred & ninety three	4,825/-
28.	10 Nos.	Supplying and fixing 110mm PVC door tee	E	248.00	Rs. Two hundred & forty eight	2,480/-
29.	2Nos.	Supplying and fixing 110mm PVC vent cowl	E	87.00	Rs. Eighty seven	174/-
30.	10 Nos.	Supplying and fixing 110mm PVC plain bend	E	165.00	Rs. One hundred & sixty five	1,650/-
31.	40M	Supplying and fixing 63mm PVC pipe 4 kgf/cm <sup>2</sup> including cutting and making good the walls.	M	162.98	Rs. One hundred & sixty two & ps.Ninety eight only	6,519/-
32.	10 Nos.	Supplying and fixing 63mm PVC door elbow	E	126.00	Rs. One hundred & twenty six	1,260/-
33.	10 Nos.	Supplying and fixing 63mm PVC elbow	E	62.00	Rs. Sixty two	620/-
34.	10 Nos.	Supplying and fixing 63mm PVC door tee	E	103.00	Rs. One hundred & three	1,030/-
35.	4 Nos.	Supplying and fixing 63mm PVC vent cowl	E	43.00	Rs. Forty three	172/-
36.	10 Nos.	Supplying and fixing 63mm PVC bend	E	42.00	Rs. Forty two	420/-
37.	10 Nos.	Supplying and fixing 63mm PVC offset	E	62.00	Rs. Sixty two	620/-
38.	60M	Supplying and fixing 25mm PVC (10 kgf/cm <sup>2</sup> ) fittings etc. including cutting and making good the walls etc. complete.	M	95.00	Rs. Ninety five	5,700/-
39.	7 Nos.	Providing and fixing 15mm CP long body tap	E	674.00	Rs. Six hundred & seventy four	4,718/-
40.	4 Nos.	Providing and fixing 25mm full way	E	581.00	Rs. Five hundred & eighty one	2,324/-

		G.M wheel valve super quality				
41.	4 Nos.	Providing and fixing 15mm CP short body tap	E	544.00	Rs. Five hundred & forty four	2,176/-
42.	2000 Lr.	Supplying and fixing 1000 lr. capacity PVC storage water tank (approved quality and colours)	Lr.	6.78	Rs. Six & ps. seventy eight	13,560/-
43.	2 Nos.	Supplying and fixing 25mm PVC tank connector	E	52.00	Rs. Fifty two	104/-
44.	2 Nos.	Supplying and fixing 25mm or nearest size ball valve with polythene float	E	456.00	Rs. Four hundred & fifty six	912/-
45.	95M	Supplying and jointing 20mm PVC pipe (12 kgf/cm <sup>2</sup> ) with fittings including cutting and making good the walls etc. complete.	M	76.00	Rs. Seventy six	7,220/-
46.	30 Nos.	Supplying and fixing 20x15mm GI reducer	E	26.00	Rs. Twenty six	780/-
47.	10 Nos.	Supplying and fixing 150x150mmCI gratings.	E	60.00	Rs. Sixty	600/-
48.	2 Nos.	Making connection with existing 110mm PVC sewage lines by cutting the pipe, jointing with 110mm PVC door etc., clamping etc. complete.	E	465.00	Rs. Four hundred & sixty five	930/-
49.	460M <sup>2</sup>	Painting exterior walls with 2 coat of antifungal paint after cleaning the surface including priming coat	10M <sup>2</sup>	1402.00	Rs. One thousand four hundred & two	64,492/-
50.	1020M <sup>2</sup>	Painting internal walls with 2 coat of ready mixed plastic emulsion paint after cleaning the surface	10M <sup>2</sup>	838.00	Rs. Eight hundred & thirty eight	85,476/-
51.	25M <sup>2</sup>	Painting 2 coat with synthetic enamel paint of approved quality and colour to the new wood work over a priming coat, cleaning the surface before	10M <sup>2</sup>	1078.00	Rs. One thousand and seventy eight	2,695/-

		painting etc. complete.				
52.	50M <sup>2</sup>	Painting steel windows and ventilators with 2 coat of synthetic enamel paint after cleaning the surface	M <sup>2</sup>	635.00	Rs. Six hundred & thirty five	31,750/-
53.	10M <sup>2</sup>	Supplying and fixing in position PVC door of size 75x210cm with door frame of size 40x46x1mm hollow sections with shutter frame of size 20x40x2mm hollow sections PVC shutter panel of size 17x2x1mm including all fittings etc. complete.	M <sup>2</sup>	2875.00	Rs. Two thousand eight hundred & seventy five	28,750/-
		<b>TOTAL</b>				<b>49,98,726/-</b>

Rs. 49,98,726/- (Rupees Forty nine lakhs Ninety eight thousand seven hundred & twenty six only)

I/We agree to execute the work. 1. ....percentage above the estimate rate.  
2. ....percentage below the estimate rate. 3. At the estimate rate.

**UNIVERSITY ENGINEER**

**CONTRACTOR**