

**UNIVERSITY OF KERALA  
ENGINEERING UNIT, KARIAVATTOM**

**Tender schedule for the work of establishment of Modern Hydrometeorology station in the Department of Geology at Kariavattom campus.**

Sl.No.	Quantity	Specification	Unit	Rate	Rate in words	Amount
1	5.00	Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by Engineer-in-charge. All kinds of soil	m <sup>3</sup>	190.16	Rs.One hundred & ninety & ps. Sixteen only	950.80
2	600.00	Clearing jungle including uprooting of rank vegetation, grass, brush wood,trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared.	m <sup>2</sup>	10.86	Rs.Ten & ps. Eighty Six only	6,516.00
3	10.00	Cutting and levelling the departmental soil using JCB as per direction of Engineer in Charge.	hr	949.88	Rs.Nine hundred & Forty Nine & ps. Eighty Eight only	9,498.80
4	3.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	m <sup>3</sup>	8276.66	Rs.Eight thousand Two hundred & Seventy Six & ps. Sixty Six only	24,829.98
5	2.00	Providing and laying in position specified grade of reinforced cement concrete including the cost of centering,moulding,finishing and fixing in position with correct line and levels.	m <sup>3</sup>	10109.32	Rs.Ten thousand One hundred & Nine & ps. Thirty Two only	20,218.64
6	210.00	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Thermo-Mechanically Treated bars	kg	85.45	Rs.Eighty Five & ps.Forty Five only	17,944.50

7	500.00	Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be struttred on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire tied to 6 mm bar nibs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) :-Payment to be made per metre cost of total length of barbed wire used.With G.I. barbed wire	m	12.45	Rs.Twelve & ps. Forty Five only	6,225.00
8	15.00	Supplying and laying in position stone aggregate 40 mm nominal size excluding the cost of shuttering as per the direction of Engineer in charge.	m <sup>3</sup>	3548.44	Rs.Three thousand Five hundred &Forty Eight & ps. Forty Four only	53,226.60
9	160.00	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes	kg	136.26	Rs.One hundred &Thirty Six & ps. Twenty Six only	21,801.60

10	40.00	Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	m <sup>2</sup>	830.99	Rs.Eight hundred & Thirty & ps. Ninety Nine only	33,239.60
11	1.00	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (1 Cement : 3 coarse sand (zone-III): 6 graded stone aggregate 40 mm nominal size)	m <sup>3</sup>	7269.00	Rs.Seven thousand Two hundred & Sixty Nine only	7,269.00
12	8.00	12 mm cement plaster of mix :1:6 ( 1 cement : 6 fine sand.	m <sup>3</sup>	242.11	Rs.Two hundred & Forty Two & ps. Eleven only	1,936.88
13	15.00	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two or more coats on new work	m <sup>2</sup>	118.37	Rs.One hundred &Eighteen & ps. Thirty Seven only	1,775.55

Total

205,432.95

PAC Rs.2,05,433/- (Rs. Two Lakhs Five thousand Four Hundred & Thirty Three only)

I/We agreed to execute the work.

1. ....% above the estimate rate.

2. ....% below the estimate rate.

3. At the estimate rate.

**CONTRACTOR**

**sd/-  
UNIVERSITY ENGINEER**