

**UNIVERSITY OF KERALA**  
**ENGINEERING UNIT, KARIAVATTOM**

**Tender schedule for Maintenance works in Physics department in connection with the setting up of Raman Lab at Kariavattom campus.**

Sl.No.	Quantity	Specification	Unit	Rate	Rate in words	Amount
1	150.00	Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade: One or more coats on old work	m2	79.63	Rs.Seventy Nine & ps. Sixty Three only	11,944.50
2	20.00	Painting with synthetic enamel paint of approved brand and manufacture of required colour to an give even shade: One or more coats on old work	m2	73.93	Rs.Seventy Three & ps. Ninety Three only	1,478.60
3	1.00	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in: Cement mortar 1:4 ( 1 cement : 4 coarse sand)	m3	8,361.12	Rs.Eight thousand Three hundred & Sixty One & ps. Twelve only	8,361.12
4	0.10	Demolishing brick work manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-Charge. In cement mortar	m3	1,214.50	Rs.One thousand Two hundred & Fourteen & ps. Fifty only	121.45
5	1.00	Taking out doors, windows and clerestory window shutters (steel or wood ) including stacking within 50 metres lead: Of area 3 sq. metes and below	E	88.27	Rs.Eighty Eight & ps. Twenty Seven only	88.27
6	10.00	12 mm cement plaster of mix: 1:6 (1 cement : 6 fine sand).	m2	231.10	Rs.Two hundred & Thirty One & ps. Ten only	2,311.00

7	15.00	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for separately):For fixed portion	kg	554.14	Rs.Five hundred & Fifty Four & ps. Fourteen only	8,312.10
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8	30.00	For shutters of doors, windows & ventilators including providing and fixing hinges / pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber/ neoprene gasket required (Fittings shall be paid for separately) Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	641.26	Rs.Six hundred & Forty One & ps.Twenty Six only	19,237.80
9	5.00	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS : 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of Engineer - in- Charge. Pre- laminated particle board with decorative lamination on both sides	m2	1,248.94	Rs One Thousand Two hundred &Forty Eight & ps.Ninety Four only	6,244.70
10	5.00	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of Engineer - in -Charge. ( Cost of aluminium snap beading shall be paid in basic item): With float glass panes of 5.50 mm thickness	m2	1,446.89	Rs One Thousand Four hundred &Forty Six & ps.Eighty Nine only	7,234.45
11	2.00	Providing and fixing 100 mm brass locks ( best make of approved quality ) for aluminium doors including necessary cutting and making good etc. complete	E	517.39	Rs.Five hundred & Seventeen & ps.Thirty Nine only	1,034.78
12	4.00	Providing and fixing aluminium tubular handle bar 32 mm outer dia, 3.0 mm thick & 2100 mm long with SS screws etc .complete as per direction of Engineer-in-Charge.Powder coated minimum thickness 50 micron aluminium tubular handle bar	E	734.00	RsSeven hundred & Thirty Four only	2,936.00

13	2.00	Providing and fixing double action hydraulic floor spring of approved brand and manufacture conforming to IS: 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer -in- Charge.With stainless steel cover plate minimum 1.25 mm thickness	E	2,960.80	Rs Two Thousand Nine hundred & Sixty & ps.Eighty only	5,921.60
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14	15.00	Filling the gap in between aluminium/ stone/ wood frame and adjacent RCC/ Brick/ Stone/ wood/ Ceramic/ Gypsum work by providing weather/structural non sag elastomeric PU sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete, complying to ASTM C920, DIN 18540-F & ISO 11600 Upto 5 mm depth and 5 mm width	m	139.22	Rs. One hundred & Thirty Nine & ps. Twenty Two only	2,088.30
15	4.00	Labour engaged for lifting the furnitures, shelves etc. and rearranging them back after painting and flooring , Coolie	E	616.01	Rs.Six hundred & Sixteen & ps. One only	2,464.04
16	1.00	Labour engaged for cutting the pipeline,fitter.	E	616.01	Rs.Six hundred & Sixteen & ps. One only	616.01
17	45.00	Flooring with Vinyl floor sheet 2 mm thick fixing with synthetic resin adhesive in correct position after cleaning and washing thoroughly etc. complete.	m2	1,021.14	Rs One Thousand & Twenty One & ps.Fourteen only	45,951.30
		<b>TOTAL</b>				<b>126,346</b>

PAC Rs.1,26,346/- (Rs. One Lakh Twenty Six thousand Three Hundred & Forty Six 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**