

UNIVERSITY OF KERALA

ENGINEERING UNIT, KARIAVATTOM

**TENDER SCHEDULE FOR PROVIDING FALSE CEILING AND ALUMINIUM PARTITION WALLS FOR SETTING UP OF NANOPHOTONICS LABORATORY-
PHASE III IN THE DEPARTMENT OF OPTO-ELECTRONICS AT KARIAVATTOM.(RETENDER)**

SI No	Qty	Unit	Description of Item	unit	Rate	Rate in words	Amount
1	0.36	m ³	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 :6.4.1 Cement mortar 1:4 (1 cement : 4 coarse sand)	m ³	8096.95	Rupees Eight thousand ninety six and Paise Ninety five only	2,914.90
2	9	m ²	Centering and shuttering including strutting, propping etc. and removal of formwork	m ²	280.65	Rupees Two hundred and Eighty and Paise Sixty five only	2,525.85
3	36	kg	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level Thermo-Mechanically Treated bars	kg	97.29	Rupees Ninety seven and Paise twenty nine only	3,502.44
4	0.75	m ³	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : 5.1.3 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	m ³	8180.30	Rupees Eight thousand one hundred and eighty and Paise thirty only	6,135.23
5	8	m ²	Providing and laying gang saw cut 18 mm thick, mirror polished pre moulded and pre polished machine cut granite stone of required size and shape of approved shade, colour and texture , laid over 20mm thick base of cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement mixed with matching pigment, epoxy touch ups etc. complete as per direction of Engineer-in-Charge. Area less than 0.50 sqm.	m ²	4498.17	Rupees Four thousand Four hundred and ninety eight and Paise seventeen only	35,985.36

6	68	kg	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) : Powder coated aluminium (minimum thickness of powder coating 50 micron)	kg	539.67	Rupees Five hundred and thirty nine and Paise sixty seven only	36,697.56
7	4	kg	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 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	622.53	Rupees Six hundred and twenty two and Paise fifty three only	2,490.12

8	17	m ²	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	m ²	1556.87	Rupees One thousand Five hundred and fifty six and Paise Eighty seven only	26,466.79
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9	8.73	m ²	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	m ²	1506.08	Rupees One thousand Five hundred and six and Paise Eight only	13,148.08
10	2	E	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.	E	119.93	Rupees One hundred and nineteen and Paise Ninety three only	239.86
11	2	E	Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete. Twin rubber stopper	E	598.10	Rupees Five hundred and ninety eight and Paise ten only	1,196.20
12	4	E	Providing and fixing aluminium round shape handle of outer dia 100 mm with SS screws etc. complete as per direction of Engineer-in-charge 21.16.2 Powder coated minimum thickness 50 micron aluminium	E	103.71	Rupees One hundred and three and Paise seventy one only	414.84

13	38	m ²	Providing and fixing false ceiling with 12 mm thick plain/ semi perforated or with design ceiling tiles of BWP type phenol formaldehyde synthetic resin bonded pressed particle board conforming to IS:3087, finished with a coat of aluminium primer on both sides & edges, including two coats of synthetic enamel paint of approved quality on exposed face, fixed to a grid made out of anodised aluminium (with 15 micron anodic coating) Tsections 35 x15x1.5 mm size main runners, cross runners 23.5x19x1.5 mm fixed to main runners placed 600 mm centre to centre both ways so as to form a grid of 600 mm square. The frame work shall be suspended from ceiling by level adjusting hangers of 6 mm dia M.S rod fixed to roof slab by means of ceiling cleats and dash fastener. The suspenders shall be placed 600 x 1200 mm centre to centre including fixing to the frame with C.P brass screws and applying a priming coat of zinc chromate yellow primer (aluminium frame work shall be paid separately).	m ²	928.83	Rupees Nine hundred and twenty eight and Paise eighty three only	35,295.54	
TOTAL							Rs.	167,012.77

PAC Rs.1,67,013/- (Rupees One Lakh Sixty seven thousand and thirteen only)

I/We agreed to execute the work. 1.% below the estimate rate.

2. % above the estimate rate. 3. At the estimate rate.

Sd/-

CONTRACTOR

UNIVERSITY ENGINEER