

UNIVERSITY OF KERALA
ENGINEERING UNIT, KARIAVATTOM

Tender Schedule for the work of providing fixed glass and door to the side of fire escape staircase in the S C Hostel building at Kariavattom Campus.

Sl.No.	Qty	Details of Work	Unit	Rate	Rate in words	Amount
1.	85.kg	Providing and fixing aluminum 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. Aluminum sections shall be smooth, rust free, straight, mired and jointed mechanically wherever required including cleat angle, Aluminum 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) :21.1.1.2 Powder coated aluminium (minimum thickness of powder coating 50 micron) (1 st and 2 nd floor) (21.1.1.2)	kg	514.74	Rs. Five hundred & fourteen & ps. seventy four only	43753/-
2.	30.00m 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): (21.3) With float glass panes of 5.50 mm thickness (21.3.2)	M ²	1392.42	Rs. One thousand three hundred & ninety two & ps. forty two only	41773/-
3.	6.80m	Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5	m	597.67	Rs. Five hundred & ninety seven & ps. sixty seven	4064/-

		mm, made out of extruded 5mm rigid PVC foam sheet, mitred at corners and joined with 2 Nos of 150 mm long brackets of 15x15 mm M.S. square tube, the vertical door frame profiles to be reinforced with 19x19 mm M.S. square tube of 19 gauge, EPDM rubber gasket weather seal to be provided throughout the frame. The door frame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer in-Charge. (9.119)			only	
4.	3.00M ²	Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19 mmx 19 mm for styles and 15x15 mm for top & bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture .M.S. frame covered with 5 mm thick heat moulded PVC 'C' channel of size 30 mm thickness, 70 mm width out of which 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5 mm thick, 95 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered in 45 degree on the inner side to form top and bottom rail and 115 mm wide PVC sheet out of which 75 mm shall be flat and 20 mm shall be tapered on both sides to form lock rail. Top, bottom and lock rails shall be provided both side of the panel. 10 mm (5 mm x 2) thick, 20 mm wide cross PVC sheet be provided as gap insert for top rail & bottom rail, paneling of 5 mm thick both side PVC sheet to be fitted in the M.S. frame welded/ sealed to the styles & rails with 7 mm (5 mm+2 mm) thick x 15 mm wide PVC sheet beading on inner side, and joined together with solvent cement adhesive. An additional 5 mm thick PVC strip of 20 mm width is to be stuck on the interior side of the 'C'	M ²	4332.85	Rs. Four thousand three hundred & thirty two & ps. eighty five only	12999/-

		Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing 9.120.2 30 mm thick pre laminated PVC door shutters sqm.(9.120)				
		Total				102589/-

PAC Rs.102589/- (Rupees One lakh two thousand five hundred & eighty nine only)

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

2,% below the estimate rate 3. At the estimate rate.

UNIVERSITY ENGINEER

CONTRACTOR