

UNIVERSITY OF KERALA							
ENGINEERING UNIT, KARIAVATTOM							
TENDER SCHEDULE FOR RENOVATION OF SIDE VERANDAH ADJACENT TO SYNDICATE ROOM AT SENATE HOUSE CAMPUS, PALAYAM							
Sl No	Qty	Unit	Description of Item	unit	Rate	Rate in words	Amount
1	20	m ²	15.23 Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. 15.23.1 For thickness of tiles 10 mm to 25 mm.	m ²	35.26	Rupees thirty five and Paise twenty six only	705.20
2	1	No.	15.52 Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	444.36	Rupees Four hundred and forty four and paise thirty six only	444.36
3	4	Nos.	Dismantling of white vitreous China wash basin with CI brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, materials including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	257.80	Rupees Two hundred and fifty seven and paise eighty only	1,031.20
4	1	No.	Dismantling white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	Each	289.86	Rupees Two hundred and Eighty nine and paise eighty six only	289.86
5	3	m ²	Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking within 50 metres lead : 15.39.1 Up to 10 mm thick.	m ²	29.18	Rupees Twenty nine and Paise eighteen only	87.54
6	6	m ²	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	m ²	1,134.50	Rupees One thousand one hundred and thirty four and paise fifty only	6,807.00

7	25	m ²	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade	m ²	1,095.16	Rupees One thousand and Ninety five and Paise sixteen only	27,379.00
8	10	m ²	Providing and fixing PVC false ceiling at height including providing and fixing of frame work made of special sections, galvanised with power pressed from MS sheets and zinc coating of 120 gms/sqm (both sides inclusive) as per IS:277 and consisting of angles cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37 mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50 mm long with 6 mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts and bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 45x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25 mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5x25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound, jointing tapes, finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making openings for light fittings, grills, diffusers, cutouts made with frame of perimeter channels suitably fixed, all complete as per drawings, specification and direction of the Engineer in Charge but excluding the cost of painting with PVC false ceiling conforming to IS 2095 part I including cost and conveyance of all materials etc complete.	m ²	715.24	Rupees Seven hundred and fifteen and paise twenty four only	7,152.40

9	10	m	9.119 Providing and fixing factory made P.V.C. door frame of size 50x47 mm with a wall thickness of 5 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 through out 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 Engineerin-Charge.	m	597.68	Rupees Five hundred and ninety seven and paise sixty eight only	5,976.80
10	3.5	m 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 mm x 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' Channel using PVC solvent adhesive etc. complete as per direction of Engineer-in-charge, manufacturer's specification & drawing.	m ²	3,691.71	Rupees Three thousand six hundred and ninety one and paise seventy one only	12,920.99
11	5	m ²	10.30 Providing and fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with: 10.30.1 4.0 mm thick glass panes	m ²	1,004.23	Rupees One thousand and four and paise twenty three only	5,021.15
12	2.5	m ²	Making and providing modular partition using 16 mm thick Marine plywood (century/equivalent make) As per approved drawing size including all cost of materials, labour charges etc. complete.	m ²	2,783.26	Rupees Two thousand seven hundred and eighty three and paise twenty six only	6,958.15

13	2.1	m ²	8.2 Providing and fixing 18 mm thick gang saw cut, mirror polished premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing the edges to give high gloss finish etc at all levels Raj nagar plain white/Udaipur green marble/Zebra black marble 8.2.2.2 Area of slab over 0.50 sqm.	m ²	5,202.18	Rupees Five thousand two hundred and two and paise eighteen only	10,924.58
14	1	No.	Providing and fixing C P long body bibcock of approved quality conforming to IS Standards and weighing not less than 690 gms. 15 mm nominal bore.	Each	840.97	Rupees Eight hundred and forty and paise Ninety seven only	840.97
15	1	No.	17.78 Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing and fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/6 litre (adjustable to 4 litre/8 litres), including seat cover, and cistern fittings, nuts bolts and gasket etc complete.	Each	13,752.05	Rupees Thirteen thousand Seven hundred and fifty two and paise five only	13,752.05
16	3	Nos.	17.7 Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good walls wherever require: 17.7.8 White Vitreous China Surgeon type wash basin of size 660x460 mm with a pair of 15 mm C.P. brass pillar taps with elbow operated levers	Each	5,172.86	Rupees Five thousand One hundred and Seventy two and paise Eighty six only	15,518.58
17	1	No.	17.32 Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing: 17.32.2 Rectangular shape 453x357 mm	Each	966.41	Rupees Nine hundred and sixty six and paise forty one only	966.41
18	1	No.	17.72 Providing and fixing PTM towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour weighing not less than 88 gms.	Each	241.22	Rupees Two hundred and forty one and paise twenty two only	241.22

19	10	m	18.8.3 Providing and fixing PVC pipes, 25 mm ϕ 12 kgf/cm ² including all PVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. 18.8.3 25 mm nominal outer dia Pipes	m	154.17	Rupees One hundred and fifty four and paise seventeen only	1541.70
20	2	m	Providing and fixing PVC pipes, 110 mm ϕ 6 kgf/cm ² including all PVC, i/e fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.	m	518.09	Rupees Five hundred and eighteen and paise nine only	1036.18
21	1	No.	Providing and fixing Health Facet	Each	640.00	Rupees Six hundred and forty only	640.00
22	200	m ²	14.43 Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	m ²	9.52	Rupees Nine and paise fifty two only	1904.00
23	185	m ²	14.44 Distempering with dry distemper of approved brand and manufacture (one or more coats) and of required shade on old work to give an even shade.	m ²	35.88	Rupees Thirty five and paise eighty eight only	6637.80
24	25	m ²	14.54 Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: 14.54.1 One or more coats on old work	m ²	57.06	Rupees Fifty seven and paise six only	1426.50
25	55	m ²	14.55 Painting with aluminium paint of approved brand and manufacture to give an even shade : 14.55.1 One or more coats on old work	m ²	52.10	Rupees Fifty two and paise ten only	2865.50
26	2	m ²	14.26 Providing and fixing 25 mm thick shutters for cup board etc.: 14.26.2.2 1 st class teak wood including nickel plated bright finished M.S. piano hinges with necessary screws.	m ²	3980.54	Rupees Three thousand Nine hundred and eighty and paise fifty four only	7961.08
27	15	m ²	14.59 Polishing on wood work with ready made wax polish of approved brand and manufacture: 14.59.1 Old work	m ²	52.65	Rupees Fifty two and paise sixty five only	789.75
28	10	m	9.104 Providing and fixing alumium tee channels (heavy duty) with rollers & stop end in pelmets as curtain rod.	m	85.84	Rupees Eighty five and paise eighty four only	858.40

29	10	m	Suppling stitching and providing curtain cloths to suit with the size of windows stiched with the necessary pleats, curtain strip etc. fixed to the curtain channel already provided as directed by the departmental authorities.	m	851.50	Rupees Eight hundred and fifty one and paise fifty only	8515.00
30	25	m	Supplying and fixing 50x50 mm PVC cablemanagement system with base and lead along with the following accessories conforming to IEC 61084/BS 476 and 4678 on surface/recess including cutting the wall and making good the damages in case of recessed installation as required. 50x50 mm CMS with base and lid.	m	537.00	Rupees Five hundred and thirty seven only	13425.00
TOTAL							1,64,618.36

PAC Rs.1,64,618/- (Rs.One Lakh Sixty four thousand Six hundred and eighteen only)

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

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

UNIVERSITY ENGINEER

CONTRACTOR

