

**UNIVERSITY OF KERALA  
ENGINEERING UNIT, KARIAVATTOM**

**Tender schedule for renovation of Kerala University Staff Housing co-operative society building at Kariavattom campus.**

Sl.No.	Quantity	Specification	Unit	Rate	Rate in words	Amount
1	8.00	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	Rupees One thousand two hundred fourteen and fifty paise only	9,716.00
2	2.00	Earth work in excavation by mechanical means (Hydraulic excavator) /manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift up to 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	m3	239.82	Rupees Two hundred thirty nine and eighty two paise only	479.64
3	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: 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 nominal size)	m3	6,453.91	Rupees Six thousand four hundred fifty three and ninety one paise only	6,453.91
4	2.00	Solid block masonry using pre cast solid blocks ( Factory made) of size 40x20x15cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 15 cm in : CM 1:6 ( 1 cement : 6 coarse sand ) etc complete	m3	5,449.79	Rupees Five thousand four hundred forty nine and seventy nine paise only	10,899.58
5	2.50	Hollow block masonry using pre cast blocks ( Factory made) of size 40x20x15cm or nearest available size confirming to IS 2185 part 1 of 1979 for super structure up to floor two level with thickness 15cm in: CM 1:6 ( 1 cement : 6 coarse sand ) etc complete	m3	5,150.05	Rupees Five thousand one hundred fifty and five paise only	12,875.13

6	9.50	Providing and fixing 1 st 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 @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	m2	1,073.41	Rupees one thousand seventy three and forty one paise only	10,197.40
7	4.50	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.	m2	992.05	Rupees Nine hundred ninety two and five paise only	4,464.23
8	6.50	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS: 15622, of approved make in colours White, Ivory, Grey, fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 cement : 4 Coarse sand), including grouting the joints with white cement and matching pigments etc., complete	m2	1,185.31	Rupees One thousand one hundred eighty five and thirty one paise only	7,704.52
9	55.00	Providing and laying Vitrified tiles in floor with different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% and conforming to IS : 15622, of approved brand & manufacturer, in all colours and shade, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS : 15477, in average 6 mm thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tiles 600x600 mm	m2	1,685.56	Rupees One thousand six hundred eighty five and fifty six paise only	92,705.80

10	165.00	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade: New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	m2	139.51	Rupees One hundred thirty nine and fifty one paisa only	23,019.15
11	155.00	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile including applying additional coats wherever required to achieve even shade and colour. One coat	m2	67.23	Rupees Sixty seven and twenty three paisa only	10,420.65
12	2.00	Painting with synthetic enamel paint, having VOC (Volatile Organic Compound) content less than 150 grams/ litre, of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour. Two coats	m2	108.16	Rupees one hundred eight and sixteen paisa only	216.32

13	55.00	<p>Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/ sqm (both side inclusive) as per IS : 277 and consisting of angle 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 &amp; 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: 12.5 mm thick tapered edge gypsum plain board conforming to IS : 2095-Part 1</p>	m2	1,161.90	Rupees One thousand one hundred sixty one and ninety paise only	63,904.50
14	125.00	<p>Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing 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</p>	Kg	130.07	Rupees One hundred thirty and seven paise only	16,258.75

15	50.00	Providing & fixing Poly carbonate multi wall plain sheet 4 mm thick as approved by the Engineer in charge and should be supplied in a single length of 12 M or as decide by the Engineer in charge. The sheets shall be fixed using self drilling/ self tapping screw of size (5.5x55mm) with EPDM seal complete upto any pitch in horizontal / vertical / curved surfaces, but excluding the cost of purlins, rafters, trusses and including cutting to size and shapes where ever required.	m2	683.84	Rupees six hundred eighty three and eighty four paisa only	34,192.00
		<b>TOTAL</b>				<b>293,792</b>

PAC Rs.2,93,792/- (Rs. Two Lakh Ninety Three thousand Seven hundred and Ninety Two 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**