

**UNIVERSITY OF KERALA
ENGINEERING UNIT, KARIAVATTOM**

| TENDER SCHEDULE FOR THE URGENT RENOVATION WORK OF DIGITAL LAB IN THE ORIENTAL RESEARCH INSTITUTE AND MANUSCRIPTS LIBRARY AT KARIAVATTOM CAMPUS. | | | | | | |
|--|------------|--|----------------|-------------|---|------------------|
| Sl.No | Qty | Item | Unit | Rate | Rate in words | Amount |
| 1.00 | 25.00 | Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS : 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), including grouting the joints with white cement and matching pigments etc., complete.Size of Tile 600x600 mm | m ² | 2,062.10 | Rs. Two thousand & sixty two & ps. Ten only | 51,552.50 |

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|---|-------|---|----------------|----------|---|------------------|
| 2 | 25.00 | <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 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & 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 25mm 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 3.5 x 25 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 I</p> | m2 | 1,330.40 | Rs.One thousand three hundred & thirty & ps. Forty only | 33,260.00 |
| 3 | 20.00 | Providing and fixing superior quality vertical blinds including necessary accessories etc complete | m ² | 1,196.47 | Rs.One thousand one hundred & ninety six & ps. Forty seven only | 23,929.40 |

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| 4 | 1.50 | 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 1:6 (1 cement : 6 coarse sand) | m ³ | 7,958.53 | Rs. Seven thousand Nine Hundred and Fifty Eight & ps. Fifty Three only | 11,937.80 |
| 5 | 0.20 | Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) | m ³ | 9,636.22 | Rs. Nine thousand six hundred & thirty six & ps. Twenty two only | 1,927.24 |
| 6 | 20.00 | Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level.Thermo-Mechanically Treated bars. | kg | 99.88 | Rs. Ninety nine & ps. Eighty eight only | 1,997.60 |

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|---|------|---|----|----------|---|-----------------|
| 7 | 15 | 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 Powder coated aluminium (minimum thickness of powder coating 50 micron) | kg | 554.04 | Rs.Five hundred & fifty four & ps. Four only | 8,310.60 |
| 8 | 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 one side and balancing lamination on other side | m2 | 1,526.76 | Rs. One thousand five hundred & twenty six & ps. Seventy six only | 7,633.80 |

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| 9 | 10.00 | 12 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) | m ² | 239.58 | Rs. Two hundred & thirty nine & ps. Fifty eight only | 2,395.80 |
| 10 | 5.00 | 6 mm cement plaster of mix :1:3 (1 cement : 3 fine sand) | m ² | 197.56 | Rs. One hundred & ninety seven & ps. Fifty six only | 987.80 |
| 11 | 60.00 | Painting with silicon & acrylic emulsion based water thinnable sealer of approved brand and manufacture on wet or patchy portion of plastered surfaces :One coat | m ² | 100.68 | Rs. One hundred & ps. Sixty eight only | 6,040.80 |
| 12 | 15.00 | Melamine polishing on wood work (two or more coat). | m ² | 112.49 | Rs. One hundred & twelve & ps. Forty nine only | 1,687.35 |
| | | TOTAL | | | | 151,660.69 |

PAC Rs.1,51,661/- (Rupees One lakh fifty one thousand six hundred & Sixty One 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.