

**UNIVERSITY OF KERALA  
ENGINEERING UNIT, KARIAVATTOM**

**Tender schedule for the maintenance and other renovation works at Centre for Aquaculture research and extension (CARE)  
building of Department of Aquatic Biology & Fisheries at Kariavatom. (Retender)**

Sl.No.	Quantity		Specification	Unit	Rate	Rate in words	Amount
1	300	m <sup>2</sup>	Clearing grass and removal of the rubbish upto a distance of 50 m outside the periphery of the area cleared.	m <sup>2</sup>	4.09	Rs. Four and ps. Nine only	1227.00
2	120	m <sup>3</sup>	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	m <sup>3</sup>	140.07	Rs. One hundred and forty and ps. Seven only	16808.40
3	120	m <sup>3</sup>	Supplying and levelling river gravel (silted silicious) at marshy areas around and aces of the building as per departmental directions.	m <sup>3</sup>	466.12	Rs. Four hundred and sixty six and ps. Twelve only	55934.40
4			Labour engaged for cleaning and removing debris from room inside				
	6	Nos	Coolie	E	476.05	Rs. Four hundred and seventy six and ps. Five only	2856.30
5	2	m <sup>2</sup>	Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sqmeters and under, including cutting the patch in proper shape, raking out joints and preparing and plastering the surface of the walls complete, including disposal of rubbish to the dumping ground within 50 metres lead with cement mortar 1:4 (1 cement :4 fine sand).	m <sup>2</sup>	305.19	Rs. Three hundred and five and ps. Nineteen only	610.38
6	7	m <sup>2</sup>	12 mm cement plaster of mix : 1:4 (1 cement: 4 coarse sand)	m <sup>2</sup>	212.31	Rs. Two hundred and twelve and ps. Thirty one only	1486.17
7	400	m <sup>2</sup>	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade : Old work (One or more coats).	m <sup>2</sup>	39.40	Rs. Thirty nine and ps. Forty only	15760.00
8	305	m <sup>2</sup>	Finishing walls with Acrylic Smooth exterior paint of required shade: old work (one more coat applied @ 0.90 ltr/10 sqm).	m <sup>2</sup>	51.68	Rs. Fifty one and ps. Sixty eight only	15762.40
9	26	m <sup>2</sup>	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : One or more coats on old work.	m <sup>2</sup>	57.06	Rs. Fifty seven and ps. Six only	1483.56

10	15	Nos	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead : Of area 3 sq. metres and below	E	68.44	Rs. Sixty eight and ps. Forty four only	1026.60
11	12	m <sup>2</sup>	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty: Float glass panes of thickness 4 mm.	m <sup>2</sup>	898.93	Rs. Eight hundred and ninety eight and ps. Ninety three only	10787.16
12	2	Nos	Providing and fixing wash basin with C.I. brackets, 15 mm CP brass pillar taps, 32 mm CP brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require : White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm CP brass pillar tap.	E	2145.62	Rs. Two thousand one hundred and forty five and ps. Sixty two only.	4291.24
13	3	Nos	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fittings complete. 32 mm dia	E	100.12	Rs. One hundred and ps. Twelve only	300.36
14	4	Nos	Providing and fixing CP brass angle valve for basin mixer and geyser points of approved quality conforming to IS:8931 a) 15 mm nominal bore 15mm nominal bore.	E	699.25	Rs. Six hundred ninety nine and ps. Twenty five only	2797.00
15	4	Nos	Providing and fixing uplasticised PVC connection pipe with brass unions : 15 mm nominal bore. (30 cm length)	E	81.35	Rs. Eighty one and ps. Thirty five only	325.40
16	300	m	Providing and fixing 32 mm dia (12kgf/m <sup>2</sup> ) pipewith fittings including jointing of pipes and fittings with one step PVC solvent cement, trenching, refilling and testing of joints complete as per direction of engineer-in-charge.	m	149.07	Rs. One hundred and forty nine and ps. Seven only	44721.00
17	0.1	m <sup>3</sup>	Providing wood work in frames of doors, windows, clerestory windows, and other frames, wrought frames and fixed in position with hold fast lugs or with dash fastners of required dia and length (hold fast lugs or dash fastner shall be paid for separate (for door frames kiln seasoned and chemically treated hollock wood.	m <sup>3</sup>	70118.97	Rs. Seven thousand one hundred and eighteen and ps. Ninety seven only	7011.90

18	1	m <sup>2</sup>	Providing and fixing panelled or panelled and glazed shutters for doors, windows and clerestory windows, including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, excluding panelling which will be paid for separately, all complete as per direction of Engineer-in-charge. kiln seasoned and chemically treated hollock wood. (30mm thick shutters)	m <sup>2</sup>	2036.95	Rs. Two thousand and thirty six and ps. Ninety five only	2036.95
19	1.5	m <sup>2</sup>	Providing and fixing panelling or panelling and glazing in panelled and glazed shutters for doors, windows and clerestory panelled or windows (Area of opening for panel inserts excluding portion inside grooves or rebates to be measured). Panelling for panelled or panelled and glazed shutters 25 mm to 40 mm thick : kiln seasoned and chemically treated hollock wood.	m <sup>2</sup>	1785.17	Rs. One thousand seven hundred and eighty five and ps. Seventeen only	2677.76
20	8	Nos	Copper oxidised mild steel fittings (copper oxidised as per IS: 1378). Providing and fixing ISI marked oxidised M.S. pressed parliamentary hinges with necessary screws etc complete. 150x125x27x2.80mm size.	E	77.69	Rs. Seventy seven and ps. Sixty nine only	621.52
21	8	Nos	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete. 250x10mm size.	E	87.70	Rs. Eighty seven and ps. Seventy only	701.60
22	3	Nos	Supplying and fitting 200 mm or nearest available size best quality aluminium aldrops with 16 mm dia including all cost and conveyance of materials, labour charges etc. complete.	E	169.77	Rs. One hundred sixty nine and ps. Seventy seven only	509.31
23	7	m <sup>3</sup>	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:3:6 (1 cement: 3 course sand: 6 graded stone aggregate 20 mm nominal size.)	m <sup>3</sup>	6083.79	Rs. Six thousand and eighty three and ps. Seventy nine only	42586.53
24	1	No	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete. 10 litre capacity - white	E	1178.24	Rs. One thousand one hundred and seventy eight and ps. Twenty four only	1178.24
25	4	Nos	Providing and fixing uplasticised PVC connection pipe with brass union. 15 mm nominal bore (45 cm length)	E	92.94	Rs. Ninety two and ps. Ninety four only	371.76

26	3	Nos	Providing and fixing brass bib cock of approved quality 15 mm nominal bore	E	358.59	Rs. Three hundred and fifty eight and ps. Fifty nine only	1075.77
27	2	Nos	Providing and fixing brass stop cock of approved quality 15 mm nominal bore	E	358.59	Rs. Three hundred and fifty eight and ps. Fifty nine only	717.18
28	1	No	Providing and fixing ball valve (brass) of approved quality, High or low pressure, with plastic floats complete 15 mm nominal bore.	E	395.44	Rs. Three hundred ninety five and ps. Fourty four only	395.44
29	25	m	Providing and fixing PVC pipe, 25 mm dia (12 kgf/cm <sup>2</sup> ) with specials and jointing with PVC solvent cement fixing the pipe at 1.00 m spacing. This includes testing of joints cutting chases and making good the same etc. complete as per direction of Engineer in charge. Internal work - exposed on wall.	m	154.17	Rs. One hundred and fifty four and ps. Seventeen only	3854.25
30	25	m	Providing and fixing PVC pipe 32 mm dia (12 kgf/cm <sup>2</sup> ) with specials and jointing with PVC solvent cement fixing the pipe at 1.00 m spacing. This includes testing of joints cutting chases and making good the same etc. as per direction of Engineer in charge. Internal work - exposed on wall.	m	191.66	Rs. One hundred and ninety one and ps. Sixty six only	4791.50
<b>Total</b>							<b>244707.07</b>

**PAC Rs.2,44, 707/- (Rupees Two Lakhs Forty four thousand Seven hundred and seven only)**

**I/We agreed to execute the work.**

**1. ....% below the estimate rate.**

**2. .... % above the estimate rate.**

**3. At the estimate rate.**

**CONTRACTOR**

**UNIVERSITY ENGINEER**