

**UNIVERSITY OF KERALA
ENGINEERING UNIT, KARIAVATTOM**

TENDER SCHEDULE FOR THE REPAIR AND MAINTENANCE WORK IN THE ROOF OF KITCHEN, ROOM NO 35 AND FRONT PORCH OF THE RH WOMEN'S HOSTEL BUILDING AT KARIAVTTOM CAMPUS.						
SI No	Qty	Specification	Unit	Rate	Rate in words	Amount
1	65	15.56 Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead	m2	30.9	Rs. Thirty Ps. Ninety only	2005.41
2	59	4.10 Providing and laying damp-proof course 40 mm thick with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size).	m2	362.89	Rs. Three hundred and sixty two Ps. Eighty nine only	21301.64
3	708	4.12 Extra for providing and mixing water proofing material in cement concrete work in doses by weight of cement as per manufacturer's specification	kg	1.31	Rs. One Ps. Thirty one only	927.38
4	65	14.17 Raking out joints in lime or cement mortar and preparing the surface for re- pointing or re plastering, including disposal of rubbish to the dumping ground within 50 metres lead.	m2	40.9	Rs. Forty Ps. Ninety only	2658.50
5	65	14.18.1 Flush pointing with cement mortar 1:3 (1 cement : 3 fine sand) mixed with 2% of integral water proofing compound by weight of cement for flat tile bricks on top of mud phaska: With F.P.S. brick tiles	m2	86.83	Rs. Eighty Six Ps. Eighty three only	5643.95
6	40	Od :- Providing and fxiing working platform for inside area	m2	104.54	Rs. One hundred and four Ps. Fifty four only	4181.60
7	50	26.28.2 Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge 50mm average thickness	m2	153.10	Rs. One hundred and fiftythree Ps. Ten only	7723.90

8	30	26.29.1 Cleaning of reinforcement from rust from the reinforcing bars to give it a total rust free steel surface by using alkaline chemical rust remover of approved make with paint brush and removing loose particles after 24 hours of its application with wire brush and thoroughly washing with water and allowing it to dry, all complete as per direction of Engineer-In-Charge. Bars upto 12 mm diameter	m	5.72	Rs. Five Ps. Seventy two only	171.60
9	50	26.31.1 Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. SBR Polymer (@10% of cement weight) modified cementitious bond coat @2.2 kg cement per sqm of surface area mixed with specified proportion of approved polymer	m2	120.76	Rs. One hundred and twenty Ps. Sventy six only	6092.34
10	50	26.31.2 Providing, mixing and applying bonding coat of approved adhesive on chipped portion of RCC as per specifications and direction of Engineer-In-charge complete in all respect. Epoxy bonding adhesive having coverage 2.20 sqm/kg of approved make	m2	434.41	Rs. Four hundred and thirty four Ps. Forty one only	21915.98
11	50	26.32.2 Providing, mixing and applying SBR polymer (of approved make) modified Cement mortar in proportion of 1:4 (1 cement: 4 graded coarse sand with polymer minimum 2% by wt. of cement used) as per specifications and directions of Engineer-in-charge. Note: Measurement and payment: The pre-measurement of thickness shall be done just after the surface preparation is completed and Payment under this item shall be made only after proper wet curing has been done and surface has been satisfactorily evaluated by sounding / tapping with a blunt metal instrument and/or the 75mm size cube crushing strength at the end of 28 days to be not less than 30 N/Sqmm2). 25 mm average thickness in 2 layers.	m2	456.41	Rs. Four hundred and fifty six Ps. Forty one only	23025.88
12	0.27	15.3 Demolishing R.C.C. work manually / by mechanical means including stacking of steel bars and disposal of unserviceable material with in 50 metres lead as per direction of Engineer -in-Charge.	m3	2006.26	Rs. Two thousand six Ps. Twenty six only	541.69

13	0.28	6.4.1 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 1:4 (1 cement : 4 coarse sand)(from floor 2 level up to floor 5 level)	m3	8002.01	Rs. Eight thousand and Two Ps. One only	2208.55
14	2.7	5.9.20 Centering and shuttering including strutting, etc. and removal of form for: Suspended floors, roofs, landings, balconies and access platform with water proof ply 12 mm thick	m2	686.13	Rs. Six hundred and eighty six Ps. Thirteen only	1852.55
15	21.6	5.22A.6 Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo - Mechanically Treated bars of grade Fe-500D or more	kg	78.07	Rs. Seventy eight Ps. Seven only	1686.31
16	0.27	5.3 Reinforced cement concrete work in beams, suspended floors, roofs, having slope up to 150 landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases up to floor five level excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).	m3	10194.13	Rs. Ten thousand one hundred and ninetyfour Ps. Thirteen only	2752.42
17	10	13.1.1 12 mm cement plaster of mix: 1:4 (1 cement : 4 fine sand)	m2	238.55	Rs. Two hundred and thirty eight Ps. Fifty five only	2281.97
18	3	13.16.1 6 mm cement plaster of mix: 1:3 (1 cement : 3 fine sand)	m2	198.34	Rs. One hundred and ninety eight Ps. Thirty four only	595.22

19	3	8.2.2.1 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 to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade Area of slab upto 0.50 sqm	m2	4623.34	Rs. Four thousand six hundred and twenty three Ps. Thirty four only	12483.02
TOTAL						120050

Rs. 1,20,050/- (Rupees One lakhs twenty thousand and fifty only)

I/We have undertake to execute the work at

- a).....% below estimate rate. b) At estimate rate
c).....% above estimate rate.

CONTRACTOR

sd/-
UNIVERSITY ENGINEER