

**UNIVERSITY OF KERALA**

**ENGINEERING UNIT, KARIAVATTOM**

Quotation schedule for Repair and general maintenance to the NSS building,SH campus

<b>Sl. No.</b>	<b>Item Description</b>	<b>Quantity</b>	<b>Units</b>	<b>Quoted rate( To be quoted by the contractor)</b>	<b>TOTAL AMOUNT With Taxes</b>
1	<b>NSS Building Maintenance</b>				
1.01	14.1.1 : Repairs to plaster of thickness 12 mm to 20 mm in patches of area 2.5 sq meters 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 meters lead:With cement mortar 1:4 ( 1 cement : fine sand)	150.00	sqm		
1.02	50.9.1.1 : Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length (hold fast lugs or dash fastener shall be paid for separately), using good quality Anjili wood /jack wood	0.20	cum		
1.03	50.9.13.1 : Supplying and fixing Anjily wood wrought and put up for roof members including cost and conveyance of materials etc. complete .	0.25	cum		
1.04	15.28.2 : Dismantling roofing including ridges, hips, velleys and gutters etc., and stacking the material within 50 metres lead of :Asbestos Sheet	75.00	sqm		
1.05	50.12.3.1 : Providing asbestos corrugated sheets roofing up to any pitch and fixing with polymer coated J,or L hooks, bolts and nuts 8 mm dia. G.I plain and bitumen washers or with self drilling fastener and EPDM washers etc. complete (excluding the cost of purlins, rafters and trusses), including cutting sheets to size and shape wherever required.	75.00	sqm		
1.06	od54313/2018_2019 : Supplying and provideing AC ridge of suitable size and pattern to match with the existing one, fixing to roof with cement mortar wherever necessary etc complete s per departmental direction	15.00	each		
1.07	od37119/2017_2018 : Repairing the asbestos cement sheet roofing by replacing the bitumen and GI washers where ever necessary, sealing of gaps or small holes using suitable sealant Silicon/equivalent) etc as per departmental direction	100.00	per sqm		
1.08	50.14.1.1 : Removing and refixing door shutters after necessary repairs for easy opening and closing etc complete as per the direction of site Engineer-in-charge.	5.00	each		
1.09	50.14.1.2 : Removing and refixing window shutters after necessary repairs for easy opening and closing etc complete as per the direction of site Engineer-in-charge	10.00	each		
1.1	50.9.11.1 : Providing and fixing Thomson Multi wood board or equivalent make paneling 12 mm thick, to frame, backing or studding with screws etc. complete ( Frames, backing or studding to be paid separately) as per the direction of site Engineer-in-charge.	20.00	sqm		
1.11	15.39.1 : Dismantling wooden boardings in lining of walls and partitions, excluding supporting members but including stacking with in 50 metres lead:Upto 10 mm thick	55.04	sqm		

1.12	15.57 : Dismantling aluminium / Gypsum partitions, doors, windows, fixed glazing and false ceiling including disposal of unserviceable surplus material and stacking of serviceable material with in 50 metres lead as directed by Engineer - in-Charge	11.12	sqm		
1.13	14.53.1 : Wall painting with plastic emulsion paint of approved brand and manufacture to give an even shade:One or more coats on old work	800.00	sqm		
1.14	14.66.1 : Finish walls with Acrylic Smooth exterior paint of required shade:Old work ( Two or more coats applied @ 1.67 ltr/10 sqm) on existing cement paint surface	578.89	sqm		
1.15	14.54.1 : Painting with synthetic enamel paint of approved brand and manufacture of required colour to an give even shade:One or more coats on old work	180.41	sqm		
1.16	14.59.1 : Polishing on wood work with ready made wax polish of approved brand and manufacture:Old work	9.92	sqm		
1.17	15.9.2 : Demolishing stone rubble masonry manually / by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer -in- Charges:In cement mortar	1.89	cum		
1.18	2.6.1 : Earth work in excavation by mechanical means (Hydraulic excavator)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead up to 50 m and lift up to 1.5 m, disposed earth to be levelled and neatly dressed.All kinds of soil	22.75	cum		
1.19	4.1.5 : 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 coarse sand : 6 graded stone aggregate 20 mm nominal size)	14.60	cum		
1.2	13.1.2 : 12 mm cement plaster of mix:1:6 (1 cement : 6 fine sand).	103.49	sqm		
1.21	7.1.1 : Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) up to plinth level with:Cement mortar 1:6 (1 cement : 6 coarse sand)	28.54	cum		
1.22	13.33.1 : Pointing on stone work with cement mortar 1:3 ( 1 cement : 3 fine sand):Flush/ Ruled pointing	45.30	sqm		
1.23	9.51.1 : Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete.With 2nd class teak wood beading 62x19mm	55.00	sqm		
1.24	15.52 : Dismantling of flushing cistern of all types (C.I. / PVC/ Vitrous China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead	1.00	each		
1.25	15.7.4 : 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	0.24	cum		
1.26	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.	13.22	sqm		
1.27	13.1.1 : 12 mm cement plaster of mix:1:4 ( 1 cement : 4 fine sand)	10.49	sqm		

1.28	4.1.3 : Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level:1:2:4 (cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	0.27	cum		
1.29	11.36 : 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 @ 3.3 kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	8.96	sqm		
1.3	11.38 : 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 all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 ( 1 cement : 4 Coarse sand), including pointing the joints with white cement and matching pigments etc., complete.	2.72	sqm		
1.31	17.2.1 : Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:W.C. pan with ISI marked white solid plastic seat and lid	1.00	each		
1.32	18.51.1 : Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.15 mm nominal bore	1.00	each		
1.33	18.53.1 : Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS: 893115 mm nominal bore	1.00	each		
1.34	18.74.2 : Providing and fixing unplasticised P.V.C. connection pipe with PTMT Nuts, Collar and bush approved quality and colour .15 mm nominal bore with 45 cm length	1.00	each		
1.35	50.17.1.1 : Supplying and fixing Stainless steel soap dish including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.	1.00	no		
1.36	50.17.1.3 : Supplying and fixing CP Towel rod 60cm or nearest available length including cost of materials and labour charges etc complete as per the direction of site Engineer-in-charge.	1.00	no		
1.37	50.17.1.4 : Supplying and fixing CP Health faucet good quality including cost of materials and labour charges etc. complete as per the direction of site engineer-in-charge.	1.00	no		
1.38	50.18.8.3.1 : Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 25 mm pipe 12 kg/cm <sup>2</sup>	5.00	metre		

1.39	50.18.8.7.1 : Providing and fixing PVC pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes with one step PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge. Concealed work including cutting chases and making good the wall etc. 63 mm pipe 6 Kgf/cm <sup>2</sup>	5.00	metre		
1.4	50.18.9.9.1 : Providing and fixing PVC pipes includings jointing of pipes with one step PVC solvent cement, trenching, refilling & testing of Joints complete as per direction of engineer in charge.110 mm dia 6Kgf/cm <sup>2</sup>	8.00	metre		
1.41	50.18.9.22.1 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia Elbow	2.00	no		
1.42	50.18.9.22.2 : Providing and fixing PVC moulded fittings / accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110 mm dia 45 degree Elbow	2.00	no		
1.43	50.18.9.22.3 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement-110 mm dia Door Elbow	1.00	no		
1.44	50.18.9.22.6 : Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x110x110 mm dia Door tee	1.00	no		
1.45	50.18.9.22.8 : Providing and fixing PVC moulded fittings /accessories for Rigid PVC pipes, including jointing with PVC solvent cement -110 mm dia Vent cowl	1.00	no		
1.46	od37380/2017_2018 : Supplying and fixing Floor Trap 110mm	1.00	each		
1.47	19.7.1.2 : Constructing brick masonry manhole in cement mortar 1:4 ( 1 cement : 4 coarse sand) with R.C.C. top with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation concrete 1:4:8 mix ( 1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size,) inside plastering 12 mm thick with cement mortar 1:3 ( 1 cement : 3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ) finished with a floating coat of neat cement complete as per standard design:Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover and frame to be not less than 38 kg (weigh of cover 23 kg and weight of frame 15 kg):With Sewer bricks conforming to IS : 4885	1.00	each		
1.48	19.27.1 : Constructing brick masonry road gully chamber 50x45x60 cm with bricks in cement mortar 1:4 ( 1 cement: 4 coarse sand) including 500x450 mm pre- cast R.C.C. horizontal grating with frame complete as per standard design:With common burnt clay F.P.S(non modular) bricks of class designation 7.5	1.00	each		

1.49	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 5 mm 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 fame to be fixed to the wall using M.S. screws of 65/100 mm size, complete as per manufacturer's specification and direction of Engineer-in Charge.	5.00	metre		
1.5	9.120.1 : Providing and fixing factory made panel PVC door shutter consisting of frame made out of M.S. tubes of 19 gauge thickness and sized 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 whicj 50 mm shall be flat and 20 mm shall be tapered in 45 degree angle on both side forming styles and 5mm thick, 95 mm wide PVC sheet out of which75 mm shall be tapered in 45 degree on th 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 mmx2) 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	1.58	sqm		
1.51	10.11.1 : Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side/top/centre hung, with beading and all members such as F7D, F4B, K11B and K 12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 ( 1 Cement : 3 coarse sand: 6 graded stone aggregate 20 mm nominal size)	6.48	kg		
1.52	10.30.1 : Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows all complete with :4.0 mm thick glass panes	0.24	sqm		
TOTAL QUOTED AMOUNT					Rs
I / WE AGREED TO EXECUTE THE WORK AT					
<u>QUOTED AMOUNT OF Rs...../-</u>					
<b>CONTRACTOR</b>			sd/- <b>UNIVERSITY ENGINEER</b>		