




Tender Inviting Authority:				 VALIDATE
Name of Work: Urgent repairs and maintenance to the toilet portion of the Type V Quarters, at College of Agriculture, Vellayani.				 PRINT
Contract No: Civil Works/				 HELP
Bidder Name:		Excess (+)		%

SCHEDULE OF WORKS

(This BOQ template must not be modified/replaced by the bidder and the same should be uploaded after filling the relevent columns, else the bidder is liable to be rejected for this tender. Bidders are allowed to enter the Bidder Name and Values only)

Sl. No.	Description of work	No. or Qty.	Unit	Estimated Rate		AMOUNT Rs. P
				Figure	Words	
1	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	3.00	cum	181.52	Rupees One Hundred & Eighty One and Paise Fifty Two Only	544.56
2	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	10.00	cum	1214.50	Rupees One Thousand Two Hundred & Fourteen and Paise Fifty Only	12145.00
3	15.2.1 : Demolishing cement concrete manually / by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in-Charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	6.00	cum	1436.95	Rupees One Thousand Four Hundred & Thirty Six and Paise Ninety Five Only	8621.70
4	4.1.8 : 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)	8.00	cum	6453.91	Rupees Six Thousand Four Hundred & Fifty Three and Paise Ninety One Only	51631.28
5	5.9.2 : Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, buteresses, plinth and string courses etc.	8.00	sqm	545.64	Rupees Five Hundred & Forty Five and Paise Sixty Four Only	4365.12
6	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)	2.00	cum	7900.59	Rupees Seven Thousand Nine Hundred and Paise Fifty Nine Only	15801.18

Signature of Tenderer with seal

7	5.1.2 : Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level:1:1.5:3 (1 cement 1.5 coarse sand :3 graded stone aggregate 20 mm nominal size	.50	cum	8957.56	Rupees Eight Thousand Nine Hundred & Fifty Seven and Paise Fifty Six Only	4478.78
8	5.22.6 : Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth levelThermo - Mechanically Treated bars	30.00	kilogram	81.57	Rupees Eighty One and Paise Fifty Seven Only	2447.10
9	50.6.1.9 : Solid block masonry using pre cast solid blocks(Factory made) of size 40x20x15 cm or nearest available size confirming to IS 2185 part I of 1979 for super structure above floor two level upto floor five level with thickness 15cm in: CM 1:6 (1 cement : 6 coarse sand) etc complete	7.00	cum	6685.19	Rupees Six Thousand Six Hundred & Eighty Five and Paise Nineteen Only	46796.33
10	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 frame 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.	100.00	metre	632.33	Rupees Six Hundred & Thirty Two and Paise Thirty Three Only	63233.00
11	9.118.1 : Providing and fixing to existing door frames24 mm thick factory made PVC door shutters made of styles and rails of a uPVC hollow section of size 59x24 mm and wall thickness 2 mm (± 0.2 mm) with inbuilt edging on both sides. The styles and rails mitred and joint at the corners by means of M.S. galvanised/plastic brackets of size 75x220 mm having wall thickness 1.0 mm and stainless steel screws. The styles of the shutter reinforced by inserting galvanised M.S. tube of size 20x20 mm and 1 mm (± 0.1 mm) wall thickness. The lock rail made up of 'H' section, a uPVC hollow section of size 100x24 mm and 2 mm (± 0.2 mm) wall thickness, fixed to the shutter styles by means of plastic/galvanised M.S. 'U' cleats. The shutter frame filled with a uPVC multi-chambered single panel of size not less than 620 mm, having over all thickness of 20 mm and 1 mm (± 0.1 mm) wall thickness. The panels filled vertically and tie bar at two places by inserting horizontally 6 mm galvanised M.S. rod and fastened with nuts and washers, complete as per manufacturer's specification and direction of Engineer-in-charge(For W.C. and bathroom door shutter).	35.00	sqm	2594.88	Rupees Two Thousand Five Hundred & Ninety Four and Paise Eighty Eight Only	90820.80

12	9.71.3 : Providing and fixing IS : 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete:75x50x2.50 mm	80.00	no	67.30	Rupees Sixty Seven and Paise Thirty Only	5384.00
13	9.97.2 : Providing and fixing aluminium tower bolts, ISI marked, anodised(anodic coating not less than grade AC 10 as per : 1868), transparent or dyed to required colour or shade, with necessary screws complete:250x10 mm	40.00	no	126.97	Rupees One Hundred & Twenty Six and Paise Ninety Seven Only	5078.80
14	od897/2017_2018 : Supplying and fixing Aluminium door handle 150 mm	40.00	each	60.40	Rupees Sixty and Paise Fourty Only	2416.00
15	11.41.2 : 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 20 mm 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 600 x 600 mm.	75.00	sqm	1613.28	Rupees One Thousand Six Hundred & Thirteen and Paise Twenty Eight Only	120996.00
16	11.37A : Providing and fixing 1st quality ceramic glazed floor tiles conforming to IS :15622 (thickness to be specified by the manufacturer) of approved make in allcolours, shades except burgundy, bottle green, black of any size as approvedby Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thickbed of cement Mortar 1:3 (1 cement: 3 coarse sand) and jointing with grey cementslurry @ 3.3kg per sqm including pointing in white cement mixed with pigmentof matching shade complete.	222.00	sqm	951.48	Rupees Nine Hundred & Fifty One and Paise Fourty Eight Only	211228.56
17	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)	20.00	sqm	381.63	Rupees Three Hundred & Eighty One and Paise Sixty Three Only	7632.60
18	13.1.1 : 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)	100.00	sqm	249.26	Rupees Two Hundred & Fourty Nine and Paise Twenty Six Only	24926.00
19	13.16.1 : 6 mm cement plaster of mix:1:3 (1 cement : 3 fine sand)	20.00	sqm	207.24	Rupees Two Hundred & Seven and Paise Twenty Four Only	4144.80
20	13.7.2 : 12 mm cement plaster finished with a floating coat of neat cement of mix:1:4 (1 cement : 4 fine sand)	10.00	sqm	308.71	Rupees Three Hundred & Eight and Paise Seventy One Only	3087.10

21	17.1.1 : Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm Sand Cast Iron P or S trap, 10 litter low level white P.V.C.flushing cistern, including flush pipe, 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 require:White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	20.00	each	5035.84	Rupees Five Thousand & Thirty Five and Paise Eighty Four Only	100716.80
22	od917/2017_2018 : Providing and fixing CP adjustable shower with arm	20.00	each	696.90	Rupees Six Hundred & Ninety Six and Paise Ninety Only	13938.00
23	50.18.8.9.2 : 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. 110 mm pipe 4 kgf/cm2	40.00	metre	555.91	Rupees Five Hundred & Fifty Five and Paise Ninety One Only	22236.40

24	50.18.9.17.2 : Providing and fixing PVC pipes including fixing the pipe with clamps/clips 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 63 mm dia 4 Kg/cm ² External work - exposed on wall	120.00	metre	192.85	Rupees One Hundred & Ninety Two and Paise Eighty Five Only	23142.00
25	50.18.9.22.4 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement- 110 mm dia Bend	20.00	no	157.64	Rupees One Hundred & Fifty Seven and Paise Sixty Four Only	3152.80
26	50.18.9.20.4 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63 mm dia Bend	60.00	no	76.28	Rupees Seventy Six and Paise Twenty Eight Only	4576.80
27	50.18.9.20.7 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 63 mm dia vent cowl	20.00	no	73.38	Rupees Seventy Three and Paise Thirty Eight Only	1467.60
28	od906/2017_2018 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 110x63 mm dia Reducer	20.00	no	104.18	Rupees One Hundred & Four and Paise Eighteen Only	2083.60
29	od904/2017_2018 : Providing and fixing PPR pipes, fittings including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step PPR 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 10kgf /cm ²	160.00	metre	416.03	Rupees Four Hundred & Sixteen and Paise Three Only	66564.80
30	17.32.2 : Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing :Rectangular shape 453x357 mm	20.00	each	1084.94	Rupees One Thousand & Eighty Four and Paise Ninety Four Only	21698.80
31	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.	20.00	no	127.78	Rupees One Hundred & Twenty Seven and Paise Seventy Eight Only	2555.60
32	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.	20.00	no	66.79	Rupees Sixty Six and Paise Seventy Nine Only	1335.80
33	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	40.00	each	709.86	Rupees Seven Hundred & Nine and Paise Eighty Six Only	28394.40

34	18.52.1 : Providing and fixing C.P brass stop cock (concealed) of standard design and of approved make conforming to IS: 893115 mm nominal bore	20.00	each	786.82	Rupees Seven Hundred & Eighty Six and Paise Eighty Two Only	15736.40
35	17.7.4 : Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:White Vitreous China Flat back wash basin size 550x400mm with single 15 mm C.P.brasspillar taps	5.00	each	2619.16	Rupees Two Thousand Six Hundred & Nineteen and Paise Sixteen Only	13095.80
36	14.43 : Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	80.00	sqm	12.03	Rupees Twelve and Paise Three Only	962.40
37	13.43.1 : Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface:Water thinnable cement primer	100.00	sqm	53.25	Rupees Fifty Three and Paise Twenty Five Only	5325.00
38	13.83.2 : 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.Two coats	160.00	sqm	102.33	Rupees One Hundred & Two and Paise Thirty Three Only	16372.80
Total Estimated Cost in Figures						1029134.51
Quoted Amount					1029134.51	1029135.00
Quoted Rate in Words		Rupees Ten Lakh Twenty Nine Thousand One Hundred & Thirty Five Only				

Contractor

Executive engineer