

[Validate](#)[Print](#)[Help](#)

Percentage BoQ

Tender Inviting Authority:

Work Name : Repairs and Maintenance to the School building ,Hostel building (Boys &Girls) of SAMMRS at College of Agriculture ,Vellayani

Contract No:

NUMBER #	TEXT #	NUMBER #	TEXT #	NUMBER	NUMBER #	TEXT #
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT With Taxes	TOTAL AMOUNT In Words
1	2	4.00	5	6.00	54.00	55
1	Appendix A					
1	15.25 : Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	21.00	sqm	157.60	3309.60	INR Three Thousand Three Hundred & Nine and Paise Sixty Only
2	15.23.1 : Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.For thickness of tiles 10 mm to 25 mm	237.00	sqm	45.47	10776.39	INR Ten Thousand Seven Hundred & Seventy Six and Paise Thirty Nine Only
3	15.17.2 : Dismantling steel work in single sections including dismembering and stacking within 50 metres lead in:Channels, angles, tees and flats	202.00	kg	1.44	290.88	INR Two Hundred & Ninety and Paise Eighty Eight Only

4	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	4.00	each	563.80	2255.20	INR Two Thousand Two Hundred & Fifty Five and Paise Twenty Only
5	15.60 : Disposal of building rubbish/ malba/ similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved	14.00	cum	173.74	2432.36	INR Two Thousand Four Hundred & Thirty Two and Paise Thirty Six Only
6	22.3 : Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C. kitchen and the like consisting of : i) I course of applying cement slurry @ 4.4 Kg/ sqm mixed with water proofing compound conforming to IS: 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. ii) II course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. iii) III course of applying blown or residual bitumen applied hot at 1.7 kg per sqm of area. iv) IV course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 Kg/ sqm.	61.00	sqm	729.10	44475.10	INR Forty Four Thousand Four Hundred & Seventy Five and Paise Ten Only
7	od506/2016_2017 : Filling with coarse sand in open areas in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering,including all lead and lifts in all floors of the sunken slabs as per direction of site Engineer-in-charge.	14.00	cum	2028.56	28399.84	INR Twenty Eight Thousand Three Hundred & Ninety Nine and Paise Eighty Four Only

8	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)	6.00	cum	5715.58	34293.48	INR Thirty Four Thousand Two Hundred & Ninety Three and Paise Forty Eight Only
9	od74/2017_2018 : Dry rubble masonry with hard stone in foundation and plinth including leveling up with cement concrete 1:6:12 (1 cement :6 Coarse Sand:12 graded stone aggregate 20mm nominal size) including cost of bond stone and through stone.	10.00	cum	3091.73	30917.30	INR Thirty Thousand Nine Hundred & Seventeen and Paise Thirty Only
10	50.4.1.1 : Providing and laying in position cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 12.5 mm nominal size) up to floor five level excluding the cost of centering, shuttering, finishing for leveling coarse of floor and roof etc.	4.00	cum	7859.58	31438.32	INR Thirty One Thousand Four Hundred & Thirty Eight and Paise Thirty Two Only
11	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)	70.00	sqm	381.63	26714.10	INR Twenty Six Thousand Seven Hundred & Fourteen and Paise Ten Only
12	13.7.1 : 12 mm cement plaster finished with a floating coat of neat cement of mix:1:3 (1 cement : 3 fine sand)	45.00	sqm	326.86	14708.70	INR Fourteen Thousand Seven Hundred & Eight and Paise Seventy Only
13	13.7.2 : 12 mm cement plaster finished with a floating coat of neat cement of mix:1:4 (1 cement : 4 fine sand)	15.00	sqm	308.71	4630.65	INR Four Thousand Six Hundred & Thirty and Paise Sixty Five Only
14	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	2.00	each	203.21	406.42	INR Four Hundred & Six and Paise Forty Two Only

15	14.5.1 : Renewing glass panes, with putty and nails wherever necessary including racking out the old putty :Float glass panes of thickness 4 mm	19.00	sqm	919.34	17467.46	INR Seventeen Thousand Four Hundred & Sixty Seven and Paise Forty Six Only
16	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	14.96	cum	181.52	2715.18	INR Two Thousand Seven Hundred & Fifteen and Paise Eighteen Only
17	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	2.00	each	12507.96	25015.92	INR Twenty Five Thousand &Fifteen and Paise Ninety Two Only
18	2.26.1 : Extra for every additional lift 1.5 m or part there of in excavation / banking excavated or stacked materials.All kinds of soil	18.75	cum	74.58	1398.38	INR One Thousand Three Hundred & Ninety Eight and Paise Thirty Eight Only
19	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)	0.95	cum	6453.91	6131.21	INR Six Thousand One Hundred & Thirty One and Paise Twenty One Only

20	11.39 : Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS: 15622, of approved make in colours White, Ivory, Grey, fume Red Brown, 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.	40.00	sqm	1185.31	47412.40	INR Forty Seven Thousand Four Hundred & Twelve and Paise Forty Only
21	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.	230.40	sqm	1073.41	247313.66	INR Two Lakh Forty Seven Thousand Three Hundred & Thirteen and Paise Sixty Six Only
22	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.	52.45	metre	632.33	33165.71	INR Thirty Three Thousand One Hundred & Sixty Five and Paise Seventy One Only

23	<p>9.118.1 : Providing and fixing to existing door frames 24 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).</p>	28.40	sqm	2594.88	73689.40	INR Seventy Three Thousand Six Hundred & Eighty Nine and Paise Forty Only
24	<p>9.48.1 : Providing and fixing M.S. Grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approved steel primer all complete. Fixed to steel windows by welding</p>	549.00	kg	150.82	82800.18	INR Eighty Two Thousand Eight Hundred and Paise Eighteen Only

25	12.50 : Providing and fixing precoated galvanised iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+0.05%), total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x55mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	13.44	sqm	793.24	10661.94	INR Ten Thousand Six Hundred & Sixty One and Paise Ninety Four Only
26	17.23 : Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm or 340x410x265 mm sizes respectively.	1.00	each	1341.40	1341.40	INR One Thousand Three Hundred & Forty One and Paise Forty Only
27	od476/2016_2017 : Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm Sand Cast Iron P or S trap,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	18.00	each	3420.04	61560.72	INR Sixty One Thousand Five Hundred & Sixty and Paise Seventy Two Only

28	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	4.00	each	4927.03	19708.12	INR Nineteen Thousand Seven Hundred & Eight and Paise Twelve Only
29	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	6.00	each	2619.16	15714.96	INR Fifteen Thousand Seven Hundred & Fourteen and Paise Ninety Six Only
30	11.41.1 : 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 500x500 mm.	32.00	sqm	1424.55	45585.60	INR Forty Five Thousand Five Hundred & Eighty Five and Paise Sixty Only
31	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	10.00	each	1084.94	10849.40	INR Ten Thousand Eight Hundred & Forty Nine and Paise Forty Only
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.	32.00	no	66.79	2137.28	INR Two Thousand One Hundred & Thirty Seven and Paise Twenty Eight Only

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	48.00	each	709.86	34073.28	INR Thirty Four Thousand & Seventy Three and Paise Twenty Eight Only
34	od494/2016_2017 : Providing and fixing C.P pillar tap for wash basin 15 mm nominal size	18.00	each	411.01	7398.18	INR Seven Thousand Three Hundred & Ninety Eight and Paise Eighteen Only
35	50.18.9.19.2 : 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 110 m dia 4 Kgf/cm ² - External work - Exposed on wall	30.00	metre	298.95	8968.50	INR Eight Thousand Nine Hundred & Sixty Eight and Paise Fifty Only
36	18.8.2 : Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings, with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer-in-Charge. Concealed work, including cutting chases and making good the wall etc. 20 mm nominal outer dia pipes	40.00	metre	410.53	16421.20	INR Sixteen Thousand Four Hundred & Twenty One and Paise Twenty Only
37	od481/2016_2017 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 90mm dia Bend	30.00	no	111.67	3350.10	INR Three Thousand Three Hundred & Fifty and Paise Ten Only

38	od482/2016_2017 : Providing and fixing PVC moulded fittings/accessories for Rigid PVC pipes, including jointing with PVC solvent cement - 90X90X90 mm dia Door Tee	20.00	no	168.22	3364.40	INR Three Thousand Three Hundred & Sixty Four and Paise Forty Only
39	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	20.00	no	128.58	2571.60	INR Two Thousand Five Hundred & Seventy One and Paise Sixty Only
40	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	3.00	each	685.58	2056.74	INR Two Thousand & Fifty Six and Paise Seventy Four Only
41	od472/2016_2017 : Supplying and fixing Aluminium Door handle 150 mm	60.00	each	60.40	3624.00	INR Three Thousand Six Hundred & Twenty Four Only
42	od484/2016_2017 : Supplying and fixing I max hinges	10.00	each	126.50	1265.00	INR One Thousand Two Hundred & Sixty Five Only
43	50.9.15.1 : Supplying and fixing 200 mm Aluminium aldrop	10.00	no	171.35	1713.50	INR One Thousand Seven Hundred & Thirteen and Paise Fifty Only
44	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	20.00	no	126.97	2539.40	INR Two Thousand Five Hundred & Thirty Nine and Paise Forty Only
45	14.43 : Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete.	4500.00	sqm	12.03	54135.00	INR Fifty Four Thousand One Hundred & Thirty Five Only
46	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	10500.00	sqm	79.63	836115.00	INR Eight Lakh Thirty Six Thousand One Hundred & Fifteen Only

47	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	2850.00	sqm	73.93	210700.50	INR Two Lakh Ten Thousand Seven Hundred and Paise Fifty Only
48	14.66.1 : Finish walls with Acryllic Smooth exterior paint of required shade:Old work (Two or more coats applied @ 1.67 ltr/10 sqm) on existing cement paint surface	10900.00	sqm	99.37	1083133.00	INR Ten Lakh Eighty Three Thousand One Hundred & Thirty Three Only
49	13.61.1 : Painting with synthetic enamel paint of approved brand and manufacture to give an even shade:Two or more coats on new work	24.20	sqm	112.99	2734.36	INR Two Thousand Seven Hundred & Thirty Four and Paise Thirty Six Only
Total in Figures					3213881.02	INR Thirty Two Lakh Thirteen Thousand Eight Hundred & Eighty One and Paise Two Only

Contractor

Executive Engineer