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Percentage BoQ

Work Name : State plan 2108-19- Construction of New Type-II Duplex Quarters(2 nos) at RARS, Ambalavayal

<u>PRICE SCHEDULE</u>						
Sl. No.	Item Description	Quantity	Units	Estimated Rate	TOTAL AMOUNT Without Taxes	TOTAL AMOUNT In Words
1	2	4	5	6	53	55
1	Quarters					
1	2.31 : Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared	329.44	sqm	9.51	3132.97	INR Three Thousand One Hundred & Thirty Two and Paise Ninety Seven Only
2	2.1.1 : Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5m in width as well as 10 sqm on plan including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be levelled and neatly dressed:All Kinds of soil	329.44	sqm	69.98	23054.21	INR Twenty Three Thousand & Fifty Four and Paise Twenty One Only

3	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	21.91	cum	166.30	3644.30	INR Three Thousand Six Hundred & Forty Four and Paise Thirty Only
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)	19.81	cum	5912.95	117147.37	INR One Lakh Seventeen Thousand One Hundred & Forty Seven and Paise Thirty Seven Only
5	5.9.1 : Centering and shuttering including strutting, etc. and removal of form for:Foundations, footings, bases of columns, etc for mass concrete	32.80	sqm	256.09	8399.75	INR Eight Thousand Three Hundred & Ninety Nine and Paise Seventy Five Only
6	5.9.2 : Centering and shuttering including strutting, etc. and removal of form for:Walls (any thickness) including attached pilasters, butteresses, plinth and string courses etc.	96.00	sqm	499.90	47990.40	INR Forty Seven Thousand Nine Hundred & Ninety and Paise Forty Only
7	5.9.5 : Centering and shuttering including strutting, etc. and removal of form for:Lintels, beams, plinth beams, girders bressumers and cantilevers	28.05	sqm	452.77	12698.39	INR Twelve Thousand Six Hundred & Ninety Eight and Paise Thirty Nine Only
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 of grade Fe-500D or more	1469.56	kilogr	74.73	109820.22	INR One Lakh Nine Thousand Eight Hundred & Twenty and Paise Twenty Two Only

9	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	14.85	cum	8206.75	121837.41	INR One Lakh Twenty One Thousand Eight Hundred & Thirty Seven and Paise Forty One Only
10	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	9.72	sqm	656.83	6384.39	INR Six Thousand Three Hundred & Eighty Four and Paise Thirty Nine Only
11	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	517.21	kg	74.73	38650.95	INR Thirty Eight Thousand Six Hundred & Fifty and Paise Ninety Five Only
12	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, with1:1.5:3 (1 cement : 1.5 coarse sand (Zone III) : 3 graded stone aggregate 20 mm nominal size).	5.18	cum	9758.81	50550.64	INR Fifty Thousand Five Hundred & Fifty and Paise Sixty Four Only
13	50.6.2.1 : Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15 cm or nearest available size confirming to IS 2185 part I of 1979 for foundation and plinth with thickness 15cm in: CM 1:6 (1 cement :6 coarse sand) etc complete	2.40	cum	5270.20	12648.48	INR Twelve Thousand Six Hundred & Forty Eight and Paise Forty Eight Only

14	50.6.2.3 : Solid block masonry using pre cast solid blocks (Factory made) of size 30x20x15cm 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	81.07	cum	6402.05	519039.80	INR Five Lakh Nineteen Thousand &Thirty Nine and Paise Eighty Only
15	13.1.1 : 12 mm cement plaster of mix:1:4 (1 cement : 4 fine sand)	915.66	sqm	228.36	209100.12	INR Two Lakh Nine Thousand One Hundred and Paise Twelve Only
16	50.13.1 : 9 mm cement plastering of mix : 1:3 (1 cement : 3 fine sand) including all cost of materials, labour charges etc complete	9.72	sqm	213.38	2074.05	INR Two Thousand &Seventy Four and Paise Five Only
17	od3337/2019_2020 : Providing and fixing suspended false ceiling using ceiling section of size 80X26X51X.45 mm, Perimeter channel 20X28X30X.45mm and L angle of size 25X10X.45mm such as, uncolored plain cement fiber board of thickness not less than 6mm ,G.I perimeter channels , ceiling section intermediate section ,L angle of size 25 X 10 X .45 mm such as ,uncolored plane cement fiber board of thickness not less than 6mm GI perimeter channels ,ceiling sections , intermediate section ,L angle and Fiber cement board fixing to ceiling ,brick wall/ partition with the help of nylon rawl plugs and screws. including one coat of primer, two coat of cement putty and 2 coat of plastic emulsion to cement fiber board including cost of materials, labour charges etc complete	72.00	sqm	5511.24	396809.28	INR Three Lakh Ninety Six Thousand Eight Hundred & Nine and Paise Twenty Eight Only

18	od2255/2019_2020 : White cement priming coat over newly plastered surface after cleaning the surface	926.03	sqm	15.32	14186.75	INR Fourteen Thousand One Hundred & Eighty Six and Paise Seventy Five Only
19	13.47.1 : Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	224.28	sqm	127.81	28665.23	INR Twenty Eight Thousand Six Hundred & Sixty Five and Paise Twenty Three Only
20	13.60.1 : Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade:Two or more coats on new work	607.44	sqm	111.51	67735.63	INR Sixty Seven Thousand Seven Hundred & Thirty Five and Paise Sixty Three Only
21	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.	170.06	sqm	1478.06	251352.97	INR Two Lakh Fifty One Thousand Three Hundred & Fifty Two and Paise Ninety Seven Only

22	11.36 : Providing and fixing I st 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.	46.08	sqm	983.43	45316.45	INR Forty Five Thousand Three Hundred & Sixteen and Paise Forty Five Only
23	11.37 : 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 colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), including pointing the joints with white cement and matching pigment etc., complete.	8.64	sqm	908.90	7852.90	INR Seven Thousand Eight Hundred & Fifty Two and Paise Ninety Only
24	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	0.55	cum	101243.50	55278.95	INR Fifty Five Thousand Two Hundred & Seventy Eight and Paise Ninety Five Only

25	50.9.2.1 : Providing and fixing paneled and glazed shutters for doors, windows and clerestory windows, 35 mm thick shutters 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 Engineerin - charge.using Anjili/ Jack wood	30.00	sqm	2835.73	85071.90	INR Eighty Five Thousand & Seventy One and Paise Ninety Only
26	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	261.00	kg	138.18	36064.98	INR Thirty Six Thousand & Sixty Four and Paise Ninety Eight Only
27	21.1.1.2 : Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS : 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminnium snap beading for glazing /paneling, C.P. brass/ stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge.(Glazing, paneling and dash fasteners to be paid for separately):For fixed portionPowder coated aluminium (minimum thickness of powder coating 50 micron)	60.90	kg	507.69	30919.34	INR Thirty Thousand Nine Hundred & Nineteen and Paise Thirty Four Only

28	9.121 : Providing and fixing Fiber Glass Reinforced plastic (FRP) Door Frames of cross- section 90 mm x 45 mm having single rebate of 32 mm x 15 mm to receive shutter of 30 mm thickness. The laminated shall be moulded with fire resistant grade unsaturated polyester resin and chopped mat. Door frame laminate shall be 2 mm thick and shall be filled with suitable wooden block in all the three legs. The frame shall be covered with fiber glass from all sides. M.S. stay shall be provided at the bottom to steady the frame.	19.80	metre	548.63	10862.87	INR Ten Thousand Eight Hundred & Sixty Two and Paise Eighty Seven Only
29	9.122.1 : Providing and fixing to existing door frames.30 mm thick Glas Fibre Reinforced Plastic (FRP) panelled door shutter of required colour and approved brand and manufacture, made with fire - retardant grade unsaturated polyester resin, moulded to 3 mm thick FRP laminate for forming hollow rails and styles, with wooden frame and suitable blocks of seasoned wood inside at required places for fixing of fittings, cast monolithically with 5 mm thick FRP laminate for panels conforming to IS : 14856, including fixing to frames.	5.74	sqm	2888.18	16578.15	INR Sixteen Thousand Five Hundred & Seventy Eight and Paise Fifteen Only
30	od3065/2019_2020 : supplying and fixing 250 mm Long 16 mm dia or near size stainless steel aldrops	40.00	each	374.64	14985.60	INR Fourteen Thousand Nine Hundred & Eighty Five and Paise Sixty Only
31	od3066/2019_2020 : Providing and fixing bright finished stainless steel tower bolts with necessary screws etc. complete: 150x10 mm	40.00	no	168.16	6726.40	INR Six Thousand Seven Hundred & Twenty Six and Paise Forty Only

32	50.10.1 : Steel work in built up G I tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting,fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete	762.12	kg	132.24	100782.75	INR One Lakh Seven Hundred & Eighty Two and Paise Seventy Five Only
33	50.10.2 : Steel work for purlin/single section with G I pipes including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete	567.92	kg	107.68	61153.63	INR Sixty One Thousand One Hundred & Fifty Three and Paise Sixty Three Only
34	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	169.89	sqm	103.52	17586.50	INR Seventeen Thousand Five Hundred & Eighty Six and Paise Fifty Only
35	od3062/2019_2020 : Roofing with Pre- Painted Aluminium-Zinc (galvalum) trapezoidal sheet of 0.45 mm or nearest available thickness with overlap of 150 mm ends self drilling steel screws/crank bolts as per direction of departmental officers including plain washers and bitumen washers etc. complete for Ground floor	243.04	sqm	702.72	170790.47	INR One Lakh Seventy Thousand Seven Hundred & Ninety and Paise Forty Seven Only
36	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	4514.05	18056.20	INR Eighteen Thousand & Fifty Six and Paise Twenty Only

37	17.7.1 : 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 Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	4.00	each	3035.01	12140.04	INR Twelve Thousand One Hundred & Forty and Paise Four Only
38	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	6.00	each	650.36	3902.16	INR Three Thousand Nine Hundred & Two and Paise Sixteen Only
39	17.73.1 : Providing and fixing PTMT towel rail complete with brackets fixed to wooden cleats with CP brass screws with concealed fitting arrangement of approved quality and colour450 mm long towel rail with total length of 495 mm, 78 mm wide and effective height of 88 mm. weighing not less than 170 gms	4.00	no	515.22	2060.88	INR Two Thousand &Sixty and Paise Eighty Eight Only
40	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	4.00	each	994.00	3976.00	INR Three Thousand Nine Hundred & Seventy Six Only
41	od3069/2019_2020 : Providing and fixing SS shower rose with arm 15 or 20 mm inlet:
150x150 mm	4.00	each	892.49	3569.96	INR Three Thousand Five Hundred & Sixty Nine and Paise Ninety Six Only
42	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.	4.00	no	66.55	266.20	INR Two Hundred & Sixty Six and Paise Twenty Only

43	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.	4.00	no	757.65	3030.60	INR Three Thousand &Thirty and Paise Sixty Only
44	od3070/2019_2020 : 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 PVC solvent cement and testing of joints complete as per direction of Engineer-in-Charge (PN-10) 50 mm - External work - Exposed on wall	40.00	metre	815.96	32638.40	INR Thirty Two Thousand Six Hundred & Thirty Eight and Paise Forty Only
45	od3071/2019_2020 : 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 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.(PN-10) 32 mm pipe	46.00	metre	491.54	22610.84	INR Twenty Two Thousand Six Hundred & Ten and Paise Eighty Four Only
46	od3072/2019_2020 : 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 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. (PN-10) 25 mm pipe	60.00	metre	394.89	23693.40	INR Twenty Three Thousand Six Hundred & Ninety Three and Paise Forty Only

47	od3073/2019_2020 : Providing and fixing PPR valve (Ball valve C/W yellow handle with C.I. wheel of approved quality (screwed end) :
32 mm nominal bore	4.00	each	583.49	2333.96	INR Two Thousand Three Hundred & Thirty Three and Paise Ninety Six Only
48	od3074/2019_2020 : Providing and fixing PPR valve (ball valve c/w RED handle with C.I.wheel of approved quality (screwed end) :
50 mm nominal bore	4.00	no	1123.69	4494.76	INR Four Thousand Four Hundred & Ninety Four and Paise Seventy Six Only
49	od3075/2019_2020 : Supplying, laying and jointing 63 mm dia (6kgf/cm2) P V C pasted pipe with specials such as Tees ,bends, elbows, check nuts including cutting and making good the walls and floors etc.	20.00	metre	447.26	8945.20	INR Eight Thousand Nine Hundred & Forty Five and Paise Twenty Only
50	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/cm2	60.00	metre	463.30	27798.00	INR Twenty Seven Thousand Seven Hundred & Ninety Eight Only
51	50.18.9.7.1 : Providing and fixing PVC pipes includings of pipes with one step PVC solvent cement, trenching refilling & testing of joints complete as per direction of Engineer in Charge. 63 mm dia 6Kgf/cm2	50.00	metre	274.35	13717.50	INR Thirteen Thousand Seven Hundred & Seventeen and Paise Fifty Only
52	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/cm2	30.00	metre	430.00	12900.00	INR Twelve Thousand Nine Hundred Only

53	50.18.9.19.1 : 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 mm dia 6 Kgf/cm2 - External work- Exposed on wall	30.00	metre	341.27	10238.10	INR Ten Thousand Two Hundred & Thirty Eight and Paise Ten Only
54	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	4.00	no	70.44	281.76	INR Two Hundred & Eighty One and Paise Seventy Six Only
55	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	30.00	no	100.90	3027.00	INR Three Thousand & Twenty Seven Only
56	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	30.00	no	98.61	2958.30	INR Two Thousand Nine Hundred & Fifty Eight and Paise Thirty Only
57	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	4.00	no	125.30	501.20	INR Five Hundred & One and Paise Twenty Only
58	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	30.00	no	154.36	4630.80	INR Four Thousand Six Hundred & Thirty and Paise Eighty Only
59	50.18.9.22.5 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes including jointing with PVC solvent cement 110x110x110 mm dia Tee	30.00	no	167.73	5031.90	INR Five Thousand & Thirty One and Paise Ninety Only

60	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	30.00	no	180.54	5416.20	INR Five Thousand Four Hundred & Sixteen and Paise Twenty Only
61	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	10.00	no	117.15	1171.50	INR One Thousand One Hundred & Seventy One and Paise Fifty Only
62	50.18.9.22.9 : Providing and fixing PVC moulded fittings/ accessories for Rigid PVC pipes, including jointing with PVC solvent cement -110 mm dia offset	30.00	no	157.86	4735.80	INR Four Thousand Seven Hundred & Thirty Five and Paise Eighty Only
63	51.19.ST3 : Supplying and installing ready made PVC Septic tank including the cost of carriage, trenching, placing at the level below ground level as specified as per the direction of engineer in charge (Provision for CC/RCC/Sand/06mm aggregate for the preparation of bed shall be paid separately)3. 25 to below 35 flush capacity	2.00	each	24329.50	48659.00	INR Forty Eight Thousand Six Hundred & Fifty Nine Only
64	od3063/2019_2020 : 65mm padlock (7 lever) best quality	4.00	each	267.15	1068.60	INR One Thousand & Sixty Eight and Paise Sixty Only
Total in Figures					2988748.46	INR Twenty Nine Lakh Eighty Eight Thousand Seven Hundred & Forty Eight and Paise Forty
Rounded to					2988748.00	INR Twenty Nine Lakh Eighty Eight Thousand Seven Hundred & Forty Eight Only
Quoted Rate in Figures					2988748.00	INR Twenty Nine Lakh Eighty Eight Thousand Seven Hundred & Forty Eight Only
Quoted Rate in Words		INR Twenty Nine Lakh Eighty Eight Thousand Seven Hundred & Forty Eight Only				