

Name of work: Construction of Supritendent Quarter at Children Home, Himatnagar Dist. Sabarkantha

SPECIFICATION INDEX

Item No.	Description of Item	Item No. / Page No. of the applicable specification	Remarks
1	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	Item No. 4.0.0.(B) Page No. 29	Building Specification Booklet Attached
2	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20 cm. in depth consolidating each disposed layer by ramming and watering.	Item No. 4.12 Page No. 35	Building Specification Booklet Attached
3	Filling in plinth with sand under floors including watering ramming, consolidating and dressing complete	Item No. 4.24 Page No. 35	Building Specification Booklet Attached
4	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.	Item No. 4.0.0.4 Page No. 35	Building Specification Booklet Attached
5	Providing and laying controlled cement concrete M.150 for curing complete including cost of formwork but excluding the cost of reinforcement for reinforced concrete work in (A) Foundations, footings,Base of columns and Mass concrete	Item No. 5.8.1 (A) Page No. 46 Item No. 9.1 (A) Page No. 63 Item measured in Cu. Mt.	Building Specification Booklet Attached
6	Providing and laying controlled cement concrete M.250 and curing complete including cost of formwork but excluding the cost of reinforcement for reinforced concrete work in (A) Foundations, footings, Base of columns and Mass concrete.	Item No. 5.8.3 (A) Page No. 47 Item No. 9.1 (A) Page No. 63 Item measured in Cu. Mt.	Building Specification Booklet Attached
7	Providing and laying controlled cement concrete M250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, pillars posts and struts Column Up to Plinth Level	Item No. 5.8.3 (D) Page No. 47 Item No. 9.1 (G)(i) Page No. 65 Item measured in Cu. Mt.	Building Specification Booklet Attached
8	Providing and laying cement concrete 1:4:8 (1- Cement : 4- coarse sand : 8- Machine Crushed stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	Item No. 5.3.3 (A) Page No. 38	Building Specification Booklet Attached
9	Providing and laying controlled cement concrete M.250 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work for Ground and Plinth Beams	Item No. 5.8.3 (C) Page No. 47 Item No. 9.1 (H) (1) Page No. 65 Item measured in Cu. Mt.	Building Specification Booklet Attached
10	Providing and laying controlled cement concrete M.200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Columns, Pillars posts and struts, For All Floors.	Item No. 5.8.2 (C) Page No. 47 Item No. 9.1 (H) (2) Page No. 66 Item No. 5.4.13 Page No. 45 Item measured in Cu. Mt.	Building Specification Booklet Attached

11	Providing and laying controlled cement concrete M.200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Beams For All Floors.	Item No. 5.8.2 (C) Page No. 47 Item No. 9.1 (H) (I) Page No. 65 Item No. 5.4.13 Page No. 45 Item measured in Cu. Mt.	Building Specification Booklet Attached
12	Providing and laying controlled cement concrete M.200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Slab for All Floors.	Item No. 5.8.2 (C) Page No. 47 Item No. 9.1 (B) (I) Page No. 64 Item No. 5.4.13 Page No. 45 Item measured in Cu. Mt.	Building Specification Booklet Attached
13	Providing and laying controlled cement concrete M.200 and curing complete including the cost of form work but excluding the cost of reinforcement for reinforced concrete work in Lintels For All Floors.	Item No. 5.8.2 (C) Page No. 47 Item No. 9.1 (H) (2) Page No. 66 Item No. 5.4.13 Page No. 45 Item measured in Cu. Mt.	Building Specification Booklet Attached
14	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete for All Floor	As Attached Seperately	
15	Brick work using Common Burnt Clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in Super structure Above plinth level up to All Floor levels in Cement Mortar 1:6 (1-Cement : 6 -fine sand) (Conventional)	Item No. 6.13 (A) Page No. 51 Item No. 6.19 (B) Page No. 53 Item No. 6.20 (B) Page No. 54 Consider Cement Mortar 1:6	Building Specification Booklet Attached
16	Half brick masonry in common burnt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Superstructure above plinth level upto All Floor level in Cement mortar 1:4 (1-Cement : 4 -coarse sand) (Conventional).	Item No. 6.30.1 (B) Page No. 54 Item No. 6.33 (B) Page No. 56	Building Specification Booklet Attached
17	Providing & Fixing Chicken mesh for joint between brick work & RCC work fixing with nail & GI washer as per director in charge	As Attached Seperately	
18	Providing 15mm thick cement mala plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering and finished even and smooth fininshing with a floating coat of neat cement slurry in (i) Cement mortar 1:3 (1-cement:3-sand), 10x10 mm groves etc. Complete for All Floors.	Item No. 17.58 (I) Page No. 119 Work done as per the description of Item	Building Specification Booklet Attached
19	Providing 10mm thick cement mala plaster in single coat on brick/concrete walls for interior plastering and finished even and smooth fininshing with a floating coat of neat cement slurry in (i)Cement mortar 1:3 (1-cement:3-sand). Complete for All Floors.	Item No. 17.58 (I) Page No. 119 Item No. 17.91 Page No. 121 Item No. 17.94 (1) Page No. 121	Building Specification Booklet Attached
20	20mm thick sand faced cement plaster with Gutka Finish on walls upto height 15 metres above ground level consisting of 12mm thick backing coat of C.M. 1:3 (1-cement : 3-sand) and 8mm thick finishing coat of C.M. 1:1 (1-cement : 1-sand) with 5mm grooves, etc. complete.	Item No. 17.95 Page No. 122	Building Specification Booklet Attached
21	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	As Attached Seperately	

22	Wall painting (three coats) with plastic emulsion paint of approved brand and manufacture on undecorated wall surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	Item No. 18.57 Page No. 136 Item No. 18.59 Page No. 137	Building Specification Booklet Attached
23	Ceiling painting (three coats) with plastic emulsion paint of approved brand and manufacture on ceiling and soffits of slab surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	Item No. 18.57 Page No. 136 Item No. 18.59 Page No. 137 Item No. 18.60 Page No. 137	Building Specification Booklet Attached
24	Finishing wall with weather proof exterior emulsion paint (two coats) with Damp Proof Coating (one coat) on wall surface to give an required shape even shade after thoroughly brushing the surface to remove all dirt, and remains of loose powdered materials.etc complete	As Attached Seperately	
25	Providing and laying polished Blue Kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) or L.M. 1:1.5 (1-Lime putty :1.5 - coarse sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete. (A) 25mm thick	Item No. 14.43(A) Page No. 98	Building Specification Booklet Attached
26	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pneumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 35 mm Sand layer for levelling and filling the joint with sand in proper line and level as per guidlines of IRC : SP 63-2018 etc. Complete.	As Attached Seperately	
27	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismentaling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for DARK shade	Item No. 14.43(A) Page No. 98 24" x 24" vitrified 8 mm thick tile flooring shall be used	Building Specification Booklet Attached
28	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	Item No. 14.32 Page No. 97 24"x24" Vitrified tile flooring shall be used	Building Specification Booklet Attached
29	P & L Mate Finished Antiskid Ceramic 10 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by adhesive material including dismentaling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete	Item No. 14.43(A) Page No. 98 24"x24" Mate Finished Antiskid Ceramic tiles 10mm thick tile flooring shall be used	Building Specification Booklet Attached
30	Providing and laying coloured glazed tiles of the size 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	Item No. 14.32 Page No. 97 coloured glazed tiles shall be used.	Building Specification Booklet Attached

31	Providing and fixing Machine cut, Free edges, Mirror Polished Granite stone slab flooring 18mm thick laid on 20mm (Average) thick base of cement mortar 1:6 (1-cement : 6-coarse sand) for Trade & Riser including Half Round moulding front edge of trade jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete.	Item No. 14.43(A) Page No. 98 Machine cut, Free edges, Mirror Polished Granite stone slab flooring 18mm thick shall be used	Building Specification Booklet Attached
32	Providing and fixing Machine cut, Free edges, Polished Granite stone slab flooring 18mm thick for vertical wall/Doors/Windows Sill, Jams for cladding as per design including full moulded round inside edge and laid on 10mm thick base of cement mortar 1:3 (1-cement : 3-coarse sand) jointed with grey cement slurry mixed with pigment to match the shade of slab including rubbing and polishing etc. complete.	Item No. 14.43(A) Page No. 98 Machine cut, Free edge, Polished Granite stone slab flooring 18mm thick shall be used	Building Specification Booklet Attached
33	Providing and fixing Machine cut Bothside mirror polished kota stone in single piece (Max 150 cm long and width upto 45 cm with both side polished) for horizontal Shelves including making grooves & Fixing the same in Brick/ concrete wall finished with flush pointing, round open edge etc. complete	As Attached Separately	
34	Providing and laying water proofing treatment with china mosaic tiles flooring over avg 50 mm C.C. 1:2:4 bedding maintaining slope for plain and curve surface & 12 mm to 20 mm broken pieces not more than 2.5 cm of ceramic/ of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar cream out upto surface using white cement including rounding off junctions and extending them upto 15 cm along the wall, clearing with water and oxalic acid etc. as directed.	As Attached Separately	
35	Constructing Sandwich Platform of 18mm thick polished black or selected granite at top and 25 mm thick kota stone with 75cm height with necessary support using 20mm thick cement mortar 1:3 for sandwich and fitting at bottom & edges with waterproof rigid adhesive including making necessary grooves in walls with vertical support of double kota stone sandwich every 60cm centre to centre including all labour material of approved quality including full moulded round front edge fixed in wall for partition.	As Attached Separately	
36	Providing and fixing flush door with Single shutters, solid core construction with frame of Anodized Aluminium section (weight not less than 1.1 kg/mt.) with cross board and finished with 1 mm thick laminate on both side of shutter, machine glued PVC beading on periphery including 30cm long Stainless Steel Pipe handle on both side SS AISI 304 grade, SS Stopper 20cm, SS Aldrop 30cm both side, anodised aluminium butt hinges with necessary screws. (B) Non-decorative type and block board core anodised aluminium butt hinges in flush door shutters (2) 35 mm thick.	As Attached Separately	

37	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm,@ Wt 1.094 Kg / Rmt, horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm @ wt.of 0.695 Kg/mt, vertical member of size 61.85 mm x 31.75mm x 1.30 mm @ wt.of 0.659 Kg/mt with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, vertical member of size 40mm x 18mm x 1.29mm @ wt.of 0.456Kg/mt, @ Wt. 0.457 Kg/mt with 5 mm thick transparent bronze colour tinted float glass with powder coated aluminum fittings and fixtures and transparent silicon sealant glass fixing to frame as per details etc complete for window.	As Attached Seperately	
38	Providing and fixing Standard extruded colour anodized alluminium section frame weight 1.094 kg/Rmt.with Adjactable Glass Louvers of 5 mm thick transparent glass colour tinted float glass with transparent silicon gasket with allu. Powder coated fittings & fixtures.	As Attached Seperately	
39	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace	As Attached Seperately	
40	Providing, laying and jointing in true line and level 110 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	Item No. 23.8 Page No. 162 110 mm diameter UPVC (Type B) pipe shall be used	Building Specification Booklet Attached
41	Providing, laying and jointing in true line and level 160 diameter U.P.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 160 mm diametre x 210 mm length x 196 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.	Item No. 23.8 Page No. 162 160 mm diameter UPVC (Type B) pipe shall be used	Building Specification Booklet Attached
42	Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Item No. 23.8 (D) Page No. 162 UPVC Pipe (SCH-40) pipe shall be used	Building Specification Booklet Attached

43	Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Item No. 23.8 (B) Page No. 162 UPVC Pipe (SCH-40) pipe shall be used	Building Specification Booklet Attached
44	Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be concealed as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	Item No. 23.8 Page No. 162 15mm dia. UPVC Pipe (SCH-40) pipe shall be used	Building Specification Booklet Attached
45	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. 25 mm.	Item No. 23.8 (B) Page No. 162 UPVC Pipe (SCH-40) pipe shall be used	Building Specification Booklet Attached
46	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. 15 mm.	Item No. 23.8 Page No. 162 15 mm dia CPVC (SDR 13.5) pipe shall be used	Building Specification Booklet Attached
47	Providing and fixing Gun metal check or non-return fullway wheel valve.(E) 40mm dia.	Item No. 23.99 (E) Page No. 171	Building Specification Booklet Attached
48	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (ii) 50mm dia.	Item No.23.00.5 (A)(II) Page No. 172	Building Specification Booklet Attached
49	Providing and fixing C.P. brass shower rose with 15mm or 20mm inlet.(A) 100mm dia. Each	Item No. 23.141 (A) Page No. 168	Building Specification Booklet Attached
50	Providing and fixing water closet squatting Pan (Indian type W.C. Pan) size 580mm (Earthwork, bed concrete, foot rest and trap to be measured and paid for separately) (A) Vitreous China.(I) Long pattern = White colour including 100mm size P or S trap for water closet squatting pan including jointing the trap with the pan and soil pipe in cement Mortar 1:1 (1-Cement : 1-Fine sand) with 25mm dia. chromium plated brass half turn flush cock of approved quality including fixing in pipe line xing G.I. inlet connection for flush pipe with W.C. Pan etc. complete.	Item No. 23.111 (A)(I)Page No. 163 Item No. 23.113 (A) Page No. 165 Item No. 23.114 Page No. 165	Building Specification Booklet Attached

51	Providing and fixing washbasin (ii) Flat Back washbasin 550 mm x v 400mm size. (i) In white colour including with approved sanitary grade material with CP waste coupling, waste pipe, 15mm dia Pillar & Stop Cock of approved brand with connection 15mm dia flexiable pvc pipe etc. complete	Item No. 23.127 Page No. 167 Item No. 23.95 (A)Page No. 170 Item No. 23.96 (A) (II) Page No. 171 Item No. 23.135 (A) Page No. 168 Item No. 23.136 (A) Page No. 168	Building Specification Booklet Attached
52	Providing and fixing Kitchen sink with C.I. or M.S. brackets, painted white including cutting holes in walls (C) Vitreous China Sink.(i) 600mm x 450mm x 150mm size including approved sanitary grade material with CP waste coupling, waste pipe, 15mm dia Pillar & Stop Cock of approved brand with connection 15mm dia flexiable pvc pipe etc. complete	Item No. 23.130 (C) Page No. 167	Building Specification Booklet Attached
53	Providing and fixing brass screw down stop tap.(A) 15mm dia.	Item No. 23.92 (A)(I) Page No. 170 15mm dia. tap shall be used	Building Specification Booklet Attached
54	Providing and fixing PVC SWR Nahni trap IS 14735 for drain - 100 mm diameter with jali of the following nominal diameter of self cleansing design with C.I scread down or hinged grating including the cost of cutting and making good the walls.	Item No. 23.87 Page No. 164 PVC SWR IS 14735 for drain-100mm diameter with jali shall be used	Building Specification Booklet Attached
55	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight.(i) Square mouth traps.(B) 150mm x 100mm size P or R type	Item No. 24.19(I) Page No. 176	Building Specification Booklet Attached
56	Providing and fixing C.P. brass towel rail comlete with C.P. brass brackets fixed to wooden plugs with C.P. brass scews.(B) 600mm x 20mm size.	Item No. 23.144 (B) Page No. 169	Building Specification Booklet Attached
57	Providing and fixing 600mm x 450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C. sheet or plywood sheet and fixing to wooden pluge with C.P. brass screws and washers.	Item No. 23.143 (B) Page No. 169	Building Specification Booklet Attached
58	Providing and fixing in position PVC cowel went to pipes 160mm dia	As Attached Seperately	
59	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	Item No. 24.44 (ii) Page No. 184	Building Specification Booklet Attached
60	Providing sock pit of 5.00 Cu.M. Volume including excavating and filling brickbats with dry masonry work at top for 45cm. height including covering the top with stone including providing vatas in C.M. 1:3 with finishing curing etc. complete as directed.	Item No. 24.00.2. (B) Page No. 185	Building Specification Booklet Attached

61	Applying general insecticide pest control treatment to floors, cupboards etc including labour materials etc. complete. Using Imidacloprid 30.5 SCas Per IS 6313 part -II(0.075% concentration by mass) is recommended 10.5ml chemical diluted with 5 liters of water application 0.5 litre chemical /Sqm of surface is recommended as per I.S.	Item Similar to Item No. 22.00.7 Page No. 155 work done as per the Description of Item	Building Specification Booklet Attached
62	Providing and fixing Safety Grills of required pattern for windows/door using MS polished bars, Rectangular CRS Pipes of size 50mm x 30mm x 2mm or Required at required spacing as per design and hold fast with coach bolts including one coat of and two coats of matt finished oil painting etc. complete	Item No. 10.100 (A) Page No. 75	Building Specification Booklet Attached
63	Steel work, welded in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A)In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like	Item No. 11.4 (A) Page No. 80	Building Specification Booklet Attached
64	Painting two coats (excluding priming coat) on external surface of new rain water, soil, waste and vent pipes and fittings with ready mixed bituminous brushing, black, anticorrosive to give an even shade including cleaning of all dirt, dust and other foreign matter. (B) 75mm dia.	Item No. 19.50(B)Page No. 140 Item measured in Sqmt.	Building Specification Booklet Attached
65	Brick work using common burnt clay building bricks having crushing strength not less than 35 kg./Sq.Cm. in foundation and plinth in Cement Mortar 1:6 (1- Cement : 6 -fine sand) (Conventional)	Item No. 6.13 (A) Page No. 51	Building Specification Booklet Attached
66	Providing and laying controlled cement concrete M.150 and curing complete excluding the cost of formwork and reinforcement for reinforced concrete work for Coping	Item No. 5.8.1.(C) Page No. 46	Building Specification Booklet Attached
67	Providing & laying weep hole in Aburtments, and returns by using A.C. pipe of 100mm including laying in proper grede and jointing the completed as per detailed specification.	As Attached Seperately	
68	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials (C) By mechanical means in area of light jungle	As Attached Seperately	
69	Earthwork in cutting including preparing the slope and camber and stacking or utilising the cutting stuff in bank as directed upto 200 Meters from the end of cutting with all lead and lift.(i) Hard murrum.	As Attached Seperately	
70	Earthwork for embankment including breaking clods, dressing with all lead and lift (including watering and consolidation)(A) From Borrow pits within land width	As Attached Seperately	
71	Rolling and consolidation of soling including filling in depression which occur during the process, with power roler 8 tonne to 12 tonne..	As Attached Seperately	
72	Box cutting the road surface to proper slope and camber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50Mt.lead.	As Attached Seperately	

73	Construction of B.I.T.C. granular sub base by providing granular material of Grading II, spreading in uniform layers with motor grader on prepared surface , mixing by mix in place method with front end loader at OMC , and compacting with vibratory roller to achieve the desired density ,complete as per Clause 401.	As Attached Seperately
74	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam (Grade-II) (B.T. Metal of size 45 to 63 mm) specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled steel/ vibratory roller in stages to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density.	As Attached Seperately
75	Compaction and finishing of cement concrete road by trimix process providing extra labour charges for the trimix vaccum dewatering service process on cement concrete road surface by using vaccum dewatering pump floater surface vibrator including making rough finish to surface as per in including levelling the complete.	As Attached Seperately
76	Supplying of yellow or Goradu soil with all lead and lift including spreading watering dressing and rolling with hand roller etc complete selected soil	As Attached Seperately
77	Supplying of well rotted FYM manure with all lead and lift including spreading mixing dressing and rolling with hand roller etc. complete	As Attached Seperately
78	Scarifying the surface of soil including spreading of DAP fertilizer mixing with soil properly leveling ground dressing of the plot	As Attached Seperately
79	Supplying and planting Dibbling semi carpet lawn at distance of about 15 cm x 15 cm after proper anti termite treatment and rolling the same by hand roller and watering etc complete	As Attached Seperately
80	Bowling and developing flowering plants grown in nursery having approximate height 4 to 5 t or Height as per Landscape Plan with natural growth and natural colour planted in a lump of soil packed in polyethylene bag or earthen pot including organic & chemical fertilizer pesticides, fungicides, hormones & maintaining the plants up to three months as Jasud	As Attached Seperately
81	Bowling and developing flowering plants grown in nursery having approximate height 4 to 5 t or Height as per Landscape Plan with natural growth and natural colour planted in a lump of soil packed in polyethylene bag or earthen pot including organic & chemical fertilizer pesticides, fungicides, hormones & maintaining the plants up to three months as Croton	As Attached Seperately
82	Bowling and developing flowering plants grown in nursery having approximate height 4 to 5 t or Height as per Landscape Plan with natural growth and natural colour planted in a lump of soil packed in polyethylene bag or earthen pot including organic & chemical fertilizer pesticides, fungicides, hormones & maintaining the plants up to three months as Deserted Golden Durenta Varigated	As Attached Seperately

83	Bowling and developing flowering plants grown in nursery having approximate height 4 to 5 t or Height as per Landscape Plan with natural growth and natural colour planted in a lump of soil packed in polyethylene bag or earthen pot including organic & chemical fertilizer pesticides, fungicides, hormones & maintaining the plants up to three months as Deserted Pendulla Asopalav	As Attached Seperately	
84	Bowling and developing flowering plants grown in nursery having approximate height 4 to 5 t or Height as per Landscape Plan with natural growth and natural colour planted in a lump of soil packed in polyethylene bag or earthen pot including organic & chemical fertilizer pesticides, fungicides, hormones & maintaining the plants up to three months as Deserted Potted Plants	As Attached Seperately	
85	Labour charges for planting various plantsafler proper anti-termite treatment in pits including placing properly and filling the pits with required prepared mix soil and watering and dispoorting etc. complete	As Attached Seperately	
86	Maintance of the garden for 60 days after Complition of 3 month stipulated period is completed for plantation of lawn and plants including applying second round of proper anti-termite treatment	As Attached Seperately	
87	Rubber Hose Pipe 15 mm dia of approved brand and make	As Attached Seperately	
88	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(A) Loose or soft soil	Item No. 4.0.0.(A) Page No. 29	Building Specification Booklet Attached
89	Drilling of pilot bore hole of size 250/300 mm diameter at above site by mud finish direct rotary rig etc. complete	As Attached Seperately	
90	Supply of 200 mm diameter V-wire screen pipe of slot size 1.0 mm nominal hole etc. complete.	As Attached Seperately	
91	Providing & Laying Rain Water Junction Chamber of Clear Internal Size 0.60 x 0.60 x 0.75m with excavation of size 1.36 x 1.36m & 0.15m thick M200 Bed Concrete Including brick masonary 0.23 thick wall in C.M. 1:6 of 0.75m height with 15mm thick Cement Plaster inside & outside (1:4), 1.06 x 1.06 RCC M200 top slab of thickness 0.15m with TMT steel and 455mm x 610mm cast iron manhole cover with frame weight not less than 35 kg as per directed by Engineer-in-charge.	As Attached Seperately	
92	Providing & Laying Filter chamber of brickwork 0.23 thick in C.M. 1:6 of clear internal size 2.04m x 1.20m x 1.20m and excavation dimension of 2.80m x 1.96m x 1.35m including C.C. M200 Bed Concrete 0.15m thick and RCC M200 Top slab of thickness 0.15m with TMT steel, Including 15mm (1:4) thick cement plaster inside & outside with Cement slurry & top cover with frame of minimum weight of 35kg, including filling filter material of 200mm thick each layer of 25-40mm, 10-20mm of BT metal and sand as per directed by engineer-in-charge	As Attached Seperately	

93	Providing & Laying Water Harvesting Pit of clear size 2.00 mt x 2.00 mt x 4.00 mt. For water logging with excavation in any strata upto four meter depth, Brick work 0.23 thick in C.M. 1:6 of clear internal size 2.00m x 2.00m x 1.20m with 15mm thick C.M. 1:4 plaster, filling the pit with B.T. metal 40mm in 0.60 mt. depth with 25-40mm kaptchi, 0.30 mt. depth and 2mt. depth with coarse sand in layers including makng P.V.C. line for water inlet etc. as directed with 250mm dia bore 15mt. depth amd 150mm dia PVC pipe of 10 Kg.f/cm2 casing wih gravel packing or as directed.	As Attached Seperately	
94	II) Fire Extinguisher and Exit Signages Supply, installlation, testing and commissioning of Carbon Dioxide (CO2) type Fire Extinguisher of 4.5 kg confirm to IS:15683, with ISI marked / TAC approved fitted with required accessories including wall suspension brakets.	As Attached Seperately	
95	Supply, Installation, Testing & Commisioning of ABC type 6kg confirm IS:15683, with ISI marked / TAC approved fitted with required accessories including wall suspension brackets.	As Attached Seperately	
96	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	Item No. 4.0.0.(B) Page No. 29	Building Specification Booklet Attached
97	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 Meter lead.(C) Hard Murrum	Item No. 4.0.0.1.(C) Page No. 32	Building Specification Booklet Attached
98	Providing and laying cement concrete 1:5:10 (1- Cement : 5- fine sand : 10- graded brick bat aggregates 40mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	Item No.5.3.4.(A) Page No. 39	Building Specification Booklet Attached
99	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:5 (1- Cement : 5 -coarse sand) in foundation and plinth (B) Conventional	Item No. 6.30.ii.(B) Page No. 54	Building Specification Booklet Attached
100	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (B) 50mm thick.	Item No. 14.71. (B) Page No.47 Work	Building Specification Booklet Attached
101	Providing 15mm thick cement plaster in single coat on Rough (Similar)side of single or half brick walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand)	Item No. 17.58 (I) Page No. 119 Work done as per the description of Item	Building Specification Booklet Attached
102	Providing and Laying ordinary cement concrete 1:2:4 (1- Cement 2-coarse sand : 4- graded stone aggregates 20 mm nominal size) and finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C work in (iii) Slabs having more than 10 cm and upto 13 cm. thickness	Item No. 5.00.1.(iii) Page No.47 Work	Building Specification Booklet Attached
103	Providing and fixing C.I. Manhole cover 0.60 M. x 0.45M. size having weight not less than 35Kg.	Item No. 23.00.6 Page No. 173	Building Specification Booklet Attached

104	Providing and laying (to level or slopes) and jointing with stiff mixture of Cement Mortar in proportion 1:1 Salt glazed stoneware pipes including testing of pipes and joints complete.(B) 150mm dia.	Item No. 24.1. (B)Page No.175 Work done as per the description of Item	Building Specification Booklet Attached
105	Providing and Constructing sock pit of 3.46 mt. dia outside and 4 mt depth with honey combed masonry 6.50 mt. from bottom and 0.60 mt. brick masonry in C.M. 1:6 top with RCC slab cover of M200 vent pipe 1.8mt. Long 75mm dia & C.I. cover and cowel vent etc. comp	As Attached Seperately	
106 to 170	Electric Items	As Attached Seperately	

**Deputy Executive Engineer,
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