

Specification

**Name of Work:- Construction of New Anganwadi Building At Various Places In Gandhinagar
Taluka Package No 02 Year 2025-26 , Dist.: Gandhinagar.**

INDEX FOR SPECIFICATION

Sr. No. of item in BOQ	Brief Description of Item	Applicable specification reference
1	Excavation for foundation upto 1.50mt. Depth including sorting out and stacking of useful materials and disposing of the excavated stuff as directed with in all lead & Lift (A) Loose or Soft soil.	As per Separate Sheet attached.
2	Excavation for foundation upto 1.50mt. Depth including sorting out and stacking of useful materials and disposing of the excavated stuff as directed with in all lead & Lift (B) Dense or Hard Soil	As per Separate Sheet attached.
3	Filling foundation and plinth with sand under floors including watering, ramming and consolidating dressing etc, comp.	As per Separate Sheet attached.
4	Filling available excavated earth excluding rock in trenches plinth side of foundation etc. in layer not exceeding 20cm. In depth consolidation each deposited layer by ramming and watering.	As per Separate Sheet attached.
5	Filling foundation and plinth with murrum or selected soil in layers of 20 cm. thickness including watering, ramming and consolidating etc. comp.	As per Separate Sheet attached.
6	Applying general insecticide pest control treatment to floors, cupboards etc including labor materials etc. complete. Using Imidacloprid 30.5 SC as 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.	As per Separate Sheet attached.
7	Providing and laying cement concrete 1:2:4 (1-Cement : 2-Coarse sand : 4-graded stone aggregates 20 mm nominal size) and curing complete including cost of formwork in (A) Foundation and Plinth	As per Separate Sheet attached.
8	Providing and laying cement concrete 1:1.5:3 (1 Cement : 1.5 Coase sand : 3 graded stone aggregate 20mm nominal size) and curing complete excluding cost of form work and reinforcement for reinforced cement concrete work in (a) Foundation footing base of column and mass concrete	As per Separate Sheet attached.
9	Providing and laying nominal cement concrete M-200 in R.C.C. 1:1 1/2 :3 (1 cement :1 1/2 coarse sand : 3 graded stone aregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in column Upto plinth level.	As per Separate Sheet attached.
10	Providing & laying cement concrete 1: 3 : 6 (1 Cement : 3 Coarse sand : 6 graded B.T stone aggregate 20mm nominal size) Curing comp. including cost of form work in foundation and plinth.	As per Separate Sheet attached.

11	Providing and laying nominal cement concrete M-200 in R.C.C. 1:1 1/2 :3 (1 cement :1 1/2 coarse sand : 3 graded stone aregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work in column for All Floor	As per Separate Sheet attached.
12	Providing and laying nominal cement concrete M-200 in R.C.C. 1:1 1/2 :3 (1 cement :1 1/2 coarse sand : 3 graded stone aregate 20 mm. Nominal size) including finishing smooth with curing complete including the cost of form work but excluding the cost of reinforcement for R.C.C. work (c) PLINTH BEAM	As per Separate Sheet attached.
13	Providing and laying nominal cement concrete M-150 in R.C.C. 1:2 :4 (1 cement : 2 coarse sand : 4 graded stone aregate 20 mm. Nominal size) including finishing smooth with curing complete but excluding the cost of reinforcement for R.C.C. work PLINTH Slab.	As per Separate Sheet attached.
14	Providing and laying nominal cement concrete M-200 in R.C.C. 1: 1 1/2 : 3 (1 cement :1/2 coarse sand : 3 graded stone aregate 20 mm. Nominal size) including finishing smooth with curing complete but excluding the cost of reinforcement for R.C.C. work in BEAMS For All Floor.	As per Separate Sheet attached.
15	Providing and laying nominal cement concrete M-200 in R.C.C. 1: 1 1/2 : 3 (1 cement :1/2 coarse sand : 3 graded stone aregate 20 mm. Nominal size) including finishing smooth with curing complete but excluding the cost of reinforcement for R.C.C. work in LINTELS All Floor.	As per Separate Sheet attached.
16	Providing and laying nominal cement concrete M-200 in R.C.C. 1: 1 1/2 : 3 (1 cement :1 1/2 coarse sand : 3 graded stone aregate 20 mm. Nominal size) including finishing smooth with curing complete but excluding the cost of reinforcement for R.C.C. work in CHHAJJAS All Floor.	As per Separate Sheet attached.
17	Providing and laying nominal cement concrete M-200 in R.C.C. 1: 1 1/2 : 3 (1 cement :1 1/2 coarse sand : 3 graded stone aregate 20 mm. Nominal size) including finishing smooth with curing complete but excluding the cost of reinforcement for R.C.C. work in slabs for All Floor.	As per Separate Sheet attached.
18	Providing T.M.T. bar FE500/500D reinforcement confirmed to for R.C.C. work including bending, binding, and placing. In position comp. Up to floor two level. For All Floor	As per Separate Sheet attached.
19	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./Sq.m. in foundation and plinth in cement mortar 1:6 (1 cement:6 fine sand) (b) Conventional.	As per Separate Sheet attached.
20	Brick work using common burnt clay building bricks having crushing strength not less than 35 Kg./ Sqm. in cement mortar 1:6 (1 cement : 6 Fine sand) in super structure above plinth level upto floor two level (for G.F) Conventional	As per Separate Sheet attached.
21	Half brick masonry in common burnt clay building bricks having crushing strength not less than 35kg./sq.cm. in cement mortar 1:3 (1 cement : 3 coarse sand) with 2nos. of 6mm dia mild steel round bars every three coarse embedded in cement mortar in superstructure for Ground floor (Conventional)	As per Separate Sheet attached.

22	Providing and fixing door Single shutter 35 mm.thick flush door teak wood beading 75 x 35mm including both side in situ laminate with 18mm thick granite frame 6 Lever Mortice lock , SS Aldrop 30cm long, SS Handle size 15 Cm Long, Tower Bolt size 20 cm etc. as per detail colour & pattern approved by this office including necessary anodized alluminum fixtures and fastenings.	As per Separate Sheet attached.
23	Providing and fixing Anodized Alluminum Section Jindal Deluxe Sliding Window System C (30mm) series sction memebbers THREE track window section bottom track 20837, frame top & side 21203, shutter frame top rail & bottom rail 20993, side rail 20553, lock rail 20550 with 5mm thick transparent plain float glass, with transparent silicon sealant with allu. anosized coated fittings and fixture etc complete.	As per Separate Sheet attached.
24	Providing and fixing standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm @ Wt. 0.643 Kg/mt) with colour anodized alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation {Colour as directed by Engineer in charge except black & Alluminum section and glass	As per Separate Sheet attached.
25	Providing and fixing Safty grills of required pattern for windows 12mm dia M.S. round Bar at required spacing M.S. Flat 25mm x 5mm thick as per design and hold fasting with coach bolts including one coat of primer and Shall be Painting with Enamel Paint and Colour approved by as per site Engineer etc complete.	As per Separate Sheet attached.
26	Providing and laying Machine cut, Free edges, Machine polished Granite stone slab 18 mm thick {Single piece not more than 150 cm } for stair steps and riser as per design incl. full moulded round front edge & 1 cm nosing & necessary groove on trade of steps laid on 20 mm thick cement mortar 1:6 (1 -cement : 6 coarse sand) jointed with grey cement slurry including rubbing and polishing etc. complete	As per Separate Sheet attached.
27	Providing and laying Both side mirror polished Granite stone slab 18 mm (Average) thick of approved quality incl. full moulded round front edge fixed in wall for Shalves and jointed with grey cement slurry including rubbing and polishing etc. complete	As per Separate Sheet attached.
28	Providing and laying 60 x 60cm Soluble Salt Vitrified tiles 8 to 10 mm thick with pattern colour & Shade as detailed approve by architect (10% Dark colour tiles Pattern) in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement.	As per Separate Sheet attached.
29	Providing and laying 60 x 60cm Soluble salt Vitrified tiles 8 to 10 mm thick with pattern colour & Shade as detailed approve by architect (10% Dark colour tiles Pattern) 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	As per Separate Sheet attached.
30	Providing and laying 30cm x 30cm in size Ceramic tiles 6mm thick in flooring treads of steps and landing laid on a bed of 12mm thick cement mortar 1:3 (1-cement : 3-coarse sand) finishing with flush pointing in white cement	As per Separate Sheet attached.
31	Providing and laying 30 x 60Cm size premium printed glazed tiles 6mm thick 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	As per Separate Sheet attached.

32	Providing and filling the joint with epoxy grout 3 mm width and 8 to 10 mm deep, including cost of necessary materials, PVC spacers, filling grout and cleaning etc complete as directed by engineer in charge. { Colour and Pattern as directed by engineer in charge.}	As per Separate Sheet attached.
33	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 guidelines of IRC : SP 63-2018 etc. Complete	As per Separate Sheet attached.
34	Providing and laying water proofing treatment with chaina mosaic tiles flooring over avg 40 mm C.C. 1:2:4 (1 Cement, 2 sand, 1 Kapchi 20mm + 3 grit 6mm to 10mm) bedding for maintaining slope for plain and curve surface & 12 mm to 20 mm of broken piece of ceramic / glazed tiles (one or more color as directed) to be laid over cement mortar bedding of C M 1:3 (1 cement : 3 sand) containing one Kg. of water proofing materials per bag of O P C at plain or / and slopes and to be tempered to bring mortar ceramic up to surface with using white cement and colour pigment including rounding of junctions and extending them up to 15 cm along the wall and curing with bends any patterns or design as per drawing and cleaning by using oxalic acid etc complete.	As per Separate Sheet attached.
35	Providing and laying Mirror polished Machine polished Granite stone slab 18mm thick for doors & windows sill & Jams cladding as per design including full moulded round front steps & 1cm nosing & necessary groove on trades of steps ;laid on 20mm thick cement mortar 1:6 (1 cement : 6 coarse sand) jointed with gray cement slurry including rubbing and polishing etc. complete.for Doors / windows sill & jams cladding.	As per Separate Sheet attached.
36	Providing 20 mm thick double coat mala cement plaster on interior brick / concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 Coarse sand) finished with trowel including scaffolding curing etc. complete. For Ground Floor	As per Separate Sheet attached.
37	Providing 10mm thick cement plaster in single coat on brick/concrete walls for interior plastering upto floor two level and finished even and smooth in (i) Cement mortar 1:3 (1-cement:3-sand) including finishing with a flating coat of neat cement slurry etc. complete. for Ground Floor	As per Separate Sheet attached.
38	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 per Separate Sheet attached.
39	Wall painting one coats of primer of approved brand (three coats) 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.	As per Separate Sheet attached.
40	Wall painting one coats of primer of approved brand & (three coats) with plastic emulsion paint of approved brand and manufacture on undecorated ceiling surface to give an even shade including thoroughly brushing the surface free from mortar dropping sand other foreign matter and sand papered smooth.	As per Separate Sheet attached.

41	20mm thick sand faced cement plaster on walls upto height 10 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 1cm x 1cm grooves as per pattern sample approved by the engineer incharge etc. complete.	As per Separate Sheet attached.
42	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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.	As per Separate Sheet 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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials. [B] 25mm dia.	As per Separate Sheet attached.
44	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 cancelled as directed including necessary fittings etc. including testing of pipe and joints and fixing the same with adhesive solvent, including cost of all materials.[D] 40 mm.	As per Separate Sheet attached.
45	Providing and fixing uPVC Heavy Duty Handle valve of approved brand and Quality with required fitting and adhesive incl. fixing the same with new pipe line as directed by engineer in charge. (B) 25mm dia.,	As per Separate Sheet attached.
46	Providing and fixing uPVC Heavy Duty Handle valve of approved brand and Quality with required fitting and adhesive incl. fixing the same with new pipe line as directed by engineer in charge. (C) 40mm dia.,	As per Separate Sheet attached.
47	Providing, laying and jointing in true line and level 75 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 diameter 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.	As per Separate Sheet attached.
48	Providing and fixing to wall ceiling and floor 10.0 Kg. F/Cm2 working pressure poluthene pipes of the following outside Dia. Low density, complete with special flange compression type fittings, wall clipsetc. including making good the wall ceiling and floor.(A) 110mm dia.	As per Separate Sheet attached.

49	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 diameter x 149 mm length x 145 mm height 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.	As per Separate Sheet attached.
50	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. scribed down or hinged grating including the cost of cutting and making good	As per Separate Sheet attached.
51	Providing and fixing screw down quarter turn heavy duty bib taps of following size (A) Brass chromium plated screw down bib tap (i) 15mm dia. (Plumber, Mark, Escoco or equivalent brand)	As per Separate Sheet attached.
52	Providing and fixing CP brass Quarter turn pillar tap, capstan head screw down high pressure with screw, shanks and back nuts (A) 15 mm dia {Jaquar< Plumber, Mark Long pipe or equivalent brand}	As per Separate Sheet attached.
53	Providing and fixing wash basin with pedestal of std. Height with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting cutting holes and making good the same including C.P. brass waste and waste pipes and bottle trap (A) Vitreous China: (ii) Flat Back washbasin 550 mm x 400mm size. In colour.	As per Separate Sheet attached.
54	Provision and fixing water closet squatting orissa type W.C. pan size 580mm integral footrest and 100 mm P or S trap and including 25 mm dia CP brass flush valve and GI inlet connection etc comp. (A) Vitreous china long pattern white or color	As per Separate Sheet attached.
55	Providing erecting and fixing double coated 4-layer tough virgin plast ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	As per Separate Sheet attached.
56	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 plug with C.P. brass screws and washers.	As per Separate Sheet attached.
57	Providing and fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass screws. (B) 600mm x 20mm size.	As per Separate Sheet attached.
58	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	As per Separate Sheet attached.
59	Providing and fixing CP brass screw down stop cock of approved quality 15mm size with adjustable wall flange..or as per instruction of engineer incharge.	As per Separate Sheet attached.

60	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm ² in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal 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 slab 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.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	As per Separate Sheet attached.
61	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm ² in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal 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 slab 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.	As per Separate Sheet attached.
62	Providing sock pit of 8.00 Cmt. 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.	As per Separate Sheet attached.
63	Finishing wall with weather proof exterior emulsion paint on wall surface (two coats) 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 per Separate Sheet attached.
64	Constructing Sandwich Platform of 16 to 18 mm thick Polished Black Granite at top and 25 mm thick Kota stone slab using cement mortar 1:3 for sandwich and fitting at bottom & edges with waterproof rigid adhesives including macking necessary grooves in walls with Vertical Kotastone 30 mm x 2 No sandwich thick every 60 cm centre to centre including all labour material of approved quality incl. full moulded round front edge fixed in wall for partition and jointed with grey cement slurry including rubbing and polishing etc. complete	As per Separate Sheet attached.
65	Providing and fixing stainless steel kitchen sink glossy ASIS 304 grade and 1 mm thick with overall size 610mm x 460mm x 330mm deep having bowl size 510mm x410mm x 200mm of Nirali or equivalent brand with all fittings CI or MS brackets painted white or fixing on stone base including cutting holes and making good the same including brass valve and fisher union fitting including all necessary fittings	As per Separate Sheet attached.
66	Providing thoruting or plaster drip and moulding to R.C.C. chhajja.	As per Separate Sheet attached.
67	Writing letter or figures on any surface with black Japan paint (stops, comas, hyphens and the like not to be measured and paid for separately) (ii) Indian (Letters/Figures)	As per Separate Sheet attached.

68	Providing water harvesting pit 1.50 mt dia x 2.40 mt depth with excavation in any strata filling the pit with brick bats in 0.60 mt depth, 0.30 mt with 25mm to 40mm kapchi 0.30 mt with 10mm to 20mm kapchi & 2.00 mm depth with coarse sand in layer including maing the lines (PVC) for water inlet etc. as directed etc, comp.	As per Separate Sheet attached.
69	Supplying & installing of Dry Chemical Powder type 6 Kg. Capacity fire extinguisher as per I.S. 2171 ISI. Mark with necessary fittings etc. complete.	As per Separate Sheet attached.
70	Providing and fixing 90 cm high Stainless steel railing made from anticorrovice S S pipe of 50 mm dia (16Gauge) as hand rail with S S 38 mm dia (16Gauge) as a vertical support fixed in RCC slab at 1.2m c/c including three horizontal S S pipes of 25 mm dia (16Gauge) at eqal distance fixed by 18.75 mm dia (16Gauge) S S pipe including accessories as per detailed drawing as directed etc. complete.	As per Separate Sheet attached.
71	Point wiring for Light / Bell with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length , in below type of pipe erected with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic/ Wooden box, single mounting base frame covered with extured/ metallic/ white front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	As per Separate Sheet attached.
72	Point wiring for FAN with 2-1.5 sq.mm & earth wire of 1.5 sq.mm (Green) both are of .ISI marked 1.1 KV Grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected with 6A Modular type switch and hum free EME step type electronic fan regulator mounted and accessories with earth continuity of following type erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured/metallic/white front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	As per Separate Sheet attached.
73	Point wiring for Individual Plug with & earth wire of 1.5 sq.mm (Green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multi strand copper wires up to 10 mtr length, in below type of pipe erected complete with Modular type switch & 5 pin Plug erected on PVC / Metallic/Wooden box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. [I] For 6A Plug and 6 a switch with 2-1.5 sq.mm Cu. Wire from nearby switchboard/mcb db board (a) with medium class Rigid PVC pipe and accessories erected flushed on wall/ceiling complete	As per Separate Sheet attached.
74	Point wiring for on board Looped Plug with 6A Modular type switch & 5 pin socket erected on PVC / Metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate modules erected on / in wall / ceiling with following type accessories , Cat. III.	As per Separate Sheet attached.

75	Providing and erecting ISI mark Medium class RIGID PVC PIPES of following size complete to be erected on/in wall or ceiling erected with necessary PVC fittings & Junction boxes fixed with adhesive solution & Clamps with following dia of pipes, in approved manner as directed (A) 20 mm	As per Separate Sheet attached.
76	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected concealed in /flushed on wall/ceiling, with 1.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) With medium class Rigid PVC pipe and accessories. (b) 2 wire 2.5 sq. mm	As per Separate Sheet attached.
77	Providing and erecting Mains with 1.1 KV grade FRLS PVC insulated ISI marked stranded Copper conductor wire in following type of pipe to be erected in / on wall / ceiling with 2.5 sq. mm copper conductor FRLS PVC insulated stranded wire of green colour for earth continuity of following size (A) with medium class Rigid PVC pipe and accessories (a) 2 wire 4 sq. mm	As per Separate Sheet attached.
78	Providing & erecting Sheet Steel Powder Coated MCB Distribution Board Flush/Surface Mounted Fitted With Busbar Natural Link Earth Bar and Din Rail Confirming to BS: 5486-1986 without MCB to House Appropriate Nos of MCBs. (F) Single Phase 8 Way Double Door CAT-III	As per Separate Sheet attached.
79	Providing and erecting Miniature circuit breaker single pole 6A to 25A suitable to operate on 240 V A.C. system and having breaking capacity 10 KA to be erected in existing box. confirming to IS 8828/1996 with ISI Mark (A) 6 to 32 Amp. CAT-III	As per Separate Sheet attached.
80	PROVIDING AND ERECTING DOUBLE POLE MCB ISOLATOR A.C.22 DUTY CONFIRMS TO IS13947-3 240V 40 IN EXISTING BOX. CAT-III	As per Separate Sheet attached.
81	Approved Make ELCBs/RCCBs Conforming to IS12640 and Having Sensitivity of 30Ma and Short Circuit Withstand Capacity of 6KA and Suitable for Operation on Single Phase 240V Having Characteristic of Quick Action & Tripping with All Advance Feature & Do not Incorporate any electronic component for Following Max Rating Erected as Directed (ii) 40AMPS.DP CAT-III	As per Separate Sheet attached.
82	Supplying and erecting LED indoor fittings with LEDs of wattage 0.2 Watt to 0.5 Watt assembled on single MCPCB, with housing used as a heat sink shall be made of thick sheet Steel conforming to IS: 513/CRCA/ aluminium die cast powder coated and high U.V. & corrosion resistance with diffuser with company mark/name 160V to 270V, Power Factor more than 0.95, THD < 15%, CCT 3000 K to 6500K, Luminaire efficacy > 85 lumens/watt, LED LED driver efficiency > 85 % (fitting required LM-79 & LM-80 Certificates)(NOTE: Below description have shown ranges of Wattage capacity of LED fittings.The Engineer incharge may select any wattage capacity between the ranges shown.) (A) Tube Light with integral driver (iv) 22-24 Watts, Surge - 2KV,IP-20, conventional 4 feet	As per Separate Sheet attached.
83	Supplying and erecting led lamps with following wattage capacity of 220 to 240 voltage, minimum 15000 burning hours life, 500 V in built-surge protection, Polycarbonate diffuser, mounting suitable for E14 / E27 / B22 lamp holders, pf >= 0.5 (ii) 5 to 8 watts	As per Separate Sheet attached.

84	Providing and erecting Approved make Ceiling fan with double ball bearing ISI mark with condenser A.C. 230V.50 c/s.1200 mm. sweep complete, canopy erected on existing hook or clamp with earthing. [Make shall be approved by Engineer in charge]	As per Separate Sheet attached.
85	Providing & erecting Switch board for Computer or electric apparatus consisting of following modular type accessories mounted with PVC / Metallic concealed/open box with single mounting base frame covered with textured/metallic /white front plate,modules erected with necessary connections as directed. 1 no. 6A/16A universal plug-switch combined. 3 nos. 6A Switch. 3 nos. 6A 5 pin Plug For Modular Type Accessories	As per Separate Sheet attached.
86	Decorative call bell Ting-tong box type 250 volts complete erected.	As per Separate Sheet attached.
87	Providing and erecting Pipe type earthing with 40 mm dia 2.5 mtr long 'B' grade G.I. pipe with necessary coupling buch buried in specially prepared earth pit & G.I. earth wire of 8 SWG erected & connected as directed (For panel)	As per Separate Sheet attached.
88	For using salt and charcoal / coke as required for pipe type earthing.	As per Separate Sheet attached.
89	MGVC Ltd. meter connection charges	As per Separate Sheet attached.

Deputy Executive Engineer
Panchayat R & B Sub Division
Gandhinagar

Executive Engineer
Panchayat R&B Division
Gandhinagar