

**Name of work: Construction of Nandghar (Anganvadi) Building at Mamsa, Village (Ghogha) Ta: Ghogha, Dist: Bhavnagar Ghogha, Dist: Bhavnagar**

**SPECIFICATION INDEX**

Item No.	Item of work	Unit	Applicable Specification	Specification Booklet Attached
1	2	3	4	5
[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.(A) Loose or soft soil	Cum	Item No. 4.0.0. (A) Page No. 29	Building Specification Booklet Attached
[2]	Excavation for foundation for depth from 1.5 m to 3.0 m including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil	Cum	Item No.4.0.0.1(B) Page No.32	Building Specification Booklet Attached
[3]	Providing and laying cement concrete work 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete Including cost of formwork and reinforcement for reinforced concrete work in (A) For PCC	Cum	Item No.5.3.2.(B) Page No.39	Building Specification Booklet Attached
[4]	Providing and laying Ordinary cement concrete work 1:1.5:3 (1- Cement : 1.5- Coarse sand : 3- graded stone aggregates 20 mm nominal size) and curing complete Including cost of formwork and reinforcement for reinforced concrete work in (A) footings	Cum	Item No. 5.8.2.(A) Page No. 47	Building Specification Booklet Attached
[5]	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) (B) Conventional	Cum	Item No. 6.12 (B) Page No. 51 Item No. 6.19 (B) Page No. 53 consider cement mortar 1:6	Building Specification Booklet Attached
[6]	Providing and laying ordinary cement concrete 1:1.5:3 (1- Cement 1.5- coarse sand : 3- 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 (A) BEAMS :(ii) Having cross-sectional area more than 0.08Sq.M and upto 0.12 Sq.M	Cum	Item No. 5.8.2.(C) Page No. 47	Building Specification Booklet Attached
[7]	Providing and laying ordinary cement concrete 1:1.5:3 (1- Cement 1.5- coarse sand : 3- graded stone aggregates 20 mm nominal size) for R.C.C lintel including finishing smooth with,curing etc. complete including the cost of formwork but excluding the cost of reinforcement.	Cum	Item No. 5.8.2.(C) Page No. 47	Building Specification Booklet Attached
[8]	Providing and laying ordinary cement concrete 1:1.5:3 (1- Cement : 1.5- Coarse sand : 3- graded stone aggregates 20 mm nominal size) for reinforced concrete Chhajjas not exceeding 10cm. thickness upto floor two level including finishing the exposed surfaces with cement mortar 1:3 (1- cement, 3 Fine sand) to give a smooth and even surface centering and formwork and curing complete excluding cost of reinforcement.	Cum	Item No. 5.8.2.(C) Page No. 47	Building Specification Booklet Attached
[9]	Providing and laying ordinary cement concrete 1:1.5:3 (1- Cement 1.5- coarse sand : 3- 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 (B) COLUMNS: (ii) Having cross-sectional area more than 0.08 Sq.M and upto 0.18 Sq.M	Cum	Item No. 5.8.2.(D) Page No. 47	Building Specification Booklet Attached
[10]	Providing and Laying ordinary cement concrete 1:1.5:3 (1- Cement 1.5- coarse sand : 3- 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	Cum	Item No. 5.8.2.(C) Page No. 47	Building Specification Booklet Attached
[11]	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.	Cum	Item No.4.12 Page No.35	Building Specification Booklet Attached
[12]	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. complete.	Cum	Item No.4.0.0.4 Page No.35	Building Specification Booklet Attached

Item No.	Item of work	Unit	Applicable Specification	Specification Booklet Attached
1	2	3	4	5
[13]	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level	Kg	As per separate sheet attached	As per Attached Sheet
[14]	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) (B) Conventional For GF	Cum	Item No. 6.12 (B) Page No. 51 Item No. 6.19 (B) Page No. 53 consider cement mortar 1:6	Building Specification Booklet Attached
[15]	Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:3 ( 1-Cement : 3- coarse sand ) with 2 Nos of 6mm Mild steel round bars after every three course embedded in Cement Mortar in foundation and plinth (B) Conventional	Sqm	Item No. 6.30.1 (B) Page No. 54 Item No. 6.33 (B) Page No. 56 consider cement mortar 1:3	Building Specification Booklet Attached
[16]	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 dismantling of existing flooring and jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for light shade	Sqm	Item No. 14.36 (A) Page No. 97 24" X 24" vitrified 8 mm thick tile shall be used	Building Specification Booklet Attached
[17]	Providing and laying Ceramic tiles 8mm 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 including Dedo.	Sqm	Item No. 14.32 Page No. 97 Ceramic tiles 6 mm thick flooring	Building Specification Booklet Attached
[18]	Providing and laying broken chine mosaic flooring for terrace using 12 mm to 20 mm broken pieces of glazed tiles to be laid over cement mortar 1:3 to plain or slope and to be tempered to bring mortar creme 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.	Sqm	As per separate sheet attached	As per Attached Sheet
[19]	Providing and laying white glazed tiles 8mm 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.	Sqm	Item No. 14.29 Page No. 96	Building Specification Booklet Attached
[20]	Providing fixing of Polished Marble Colour or Black frame for Doors & Windows, Platform including necessary holdfasts, holes for fixtures and fastenings incl. all labour & materials etc. comp	Sqm	Item No. 14.36 (A) Page No. 97 Polished Marble Stone shall be used	Building Specification Booklet Attached
[21]	Providing and laying polished 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 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	Sqm	Item No. 14 44 Page No. 99	Building Specification Booklet Attached
[22]	Providing and Fixing Windows with 40 X 40 X 5 mm. iron angle & frame 30 X 30 X 4 mm. size in Double Shutter with 1 mm thick MS plate with hold fasts, iron hinges, handles, stopper, locking arrangement etc. comp. Steel welded is built up section cutting hoisting, finishing in two coats of oil painting over coat of prime coat etc. complete.	Sqm	As per separate sheet attached	As per Attached Sheet
[23]	Providing and fixing 35mm. Thick Panelled,glazed orPanelled and glazed shutters for doors,windows andclearstory windows including anodised alluminiumbutt hinges with necessary screws and Indian TeakWood shutters with-(B) Partical board anells.12mm. thick including applying primer and two coats of oil painting etc. complete	Sqm	Item No. 10.23 Page No. 72	Building Specification Booklet Attached

Item No.	Item of work	Unit	Applicable Specification	Specification Booklet Attached
1	2	3	4	5
[24]	Providing and fixing 30mm thick FACTORY MADE SOLID PANEL PVC DOOR SHUTTER consisting of frame made out of M.S. tubes of 19 gauge thickness and size of 19mm x 19mm for stiles and 15mm x 15 mm for top and bottom rails. M.S. frame shall have a coat of steel primers of approved make and manufacture, M.S. frame shall be covered with 5 mm thick heat moulded PVC 'C' channel of size 30 x 50 mm forming stiles, and 5mm thick 75mm wide PVC sheets for top rail, lock rail and bottom rail on either side, and 10mm (5mm x 2) thick, 20mm wide cross PVC sheet as gap insert for top rail and bottom rail, Panelling of 5 stiles and rails with 30mm wide x 5mm thick PVC sheet beading on either side, and joined together with solvent cement adhesive,. An additional 5mm thick PVC strip of 20mm width is to be stulk on the interior side of the 'c' channel using PVC solvent cement adhesive etc. complete as per direction of Engineer in charge, manufacture's specification and drawing.	Sqm	As per separate sheet attached	As per Attached Sheet
[25]	Providing 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) including scaffolding curing etc. complete.	Sqm	Item No. 17.95 Page No. 122	Building Specification Booklet Attached
[26]	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)	Sqm	Item No. 17.58 (I) Page No. 119 15 mm thick cement plaster instead of 10 mm thick cement plaster. Also the plaster shall be finished surface smooth by applying trowel firmly till the finish the surface is sand prepared smooth	Building Specification Booklet Attached
[27]	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	Sqm	Item No. 18.57 Page No. 136 weather proof emulsion APEX type paint shall be approved	Building Specification Booklet Attached
[28]	Applying two coats of acrylic laphy (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 instruction of Engineer in charge & approved make.	Sqm	Item No.18.57+18.59 Page No.136+137	Building Specification Booklet Attached
[29]	Wall painting (two 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.smooth.	Sqm	Item No.18.57+18.59 Page No.136 Item No.18.60 Page No.137	Building Specification Booklet Attached
[30]	Painting (Bala Painting) undecorated wall surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth. on walls shade and pattern as directed by Architect and Authority.	Sqm	Item No.18.57+18.59 Page No.136 Item No.18.60 Page No.137 (Bala Paint shall be used)	Building Specification Booklet Attached

Item No.	Item of work	Unit	Applicable Specification	Specification Booklet Attached
1	2	3	4	5
[31]	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.	Rmt	Item No. 23.8 (A) Page No. 162 U.P.V.C. Pipe ( SCH- 40) pipe shall be used	Building Specification Booklet Attached
[32]	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.	Rmt	Item No. 23.8 (B) Page No. 162 U.P.V.C. Pipe ( SCH- 40) pipe shall be used	Building Specification Booklet Attached
[33]	Providing laying and jointing in true line and level 50mm 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.	Rmt	Item No. 23.8 (E) Page No. 162 U.P.V.C. Pipe ( SCH- 40) pipe shall be used	Building Specification Booklet Attached
[34]	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.	Rmt	Item No. 23.8 Page No. 162 110 mm dia. U.P.V.C (Type B) pipe shall be used	Building Specification Booklet Attached
[35]	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 inle connection etc. comp. (A) Vitreous china long pattern white or color.	Each	Item No. 23.111 (A)(I) Page No. 163	Building Specification Booklet Attached
[36]	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 holes and making goods the same including. C.P. brass waste Couplin, and waste pipes and bottle trap (A) Vitreous china. (II) Flat back washbasin 550 mm x 400 mm size (1) in colour	Each	Item No. 23.127 Page No. 167 Item No. 23.135 (A) Page No. 168 Item No. 23.136 (A) Page No. 168	Building Specification Booklet Attached
[37]	Providing and fixing Gun metal check or non return fullway wheel valve.(A) 15mm dia.	Each	Item No. 23.99 (A) Page No. 171	Building Specification Booklet Attached
[38]	Providing and fixing in position cowel went to pipes.(C) 100mm dia	Each	As per separate sheet attached	As per Attached Sheet
[39]	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	Each	Item No. 23.96 (A) Page No. 171	Building Specification Booklet Attached
[40]	Providing and fixing Gun metal check or non-return fullway wheel valve.(C) 25mm dia.	Each	Item No. 23.99 (C) Page No.171	Building Specification Booklet Attached
[41]	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 screed down or hinged grating including the cost of cutting and making good the walls.	Each	Item No. 23.87 Page No. 164	Building Specification Booklet Attached
[42]	Providing & Fixing S.W. Gully trap with C.I. Greeting brick masonay chamber and water tight C..I Cover with frame of 300 mm X 300 mm Size ( Indian ) with standard weight (i) Square mouth traps (C) 150 mm x100 mm size P or R Type.	Each	Item No. 24.19 (II) Page No. 176	Building Specification Booklet Attached
[43]	Providing erecting and fixing double coated ISI water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	Liter	As per separate sheet attached	As per Attached Sheet

Item No.	Item of work	Unit	Applicable Specification	Specification Booklet Attached
1	2	3	4	5
[44]	Providing , Painting ,Lettering Nandghar Logo Board As Pe Design Specified And Providing Two Direction Side Of the Building Photograph Copies -4 Of Each In Postcard size og the Completed Work As Directed 23Cm x 45 Cm.	Each	As per separate sheet attached	As per Attached Sheet
[45]	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg/Cm <sup>2</sup> 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.(i) Inside dimensions 455mmx 610mm and 450mm deep for single pipe line.	Each	Item No. 24.44 (II) Page No. 184	Building Specification Booklet Attached
[46]	Providing and Fixing FIRE EXTINGUISHER 6 KG ABC including cost of labour complete with providing 1 year guarantee for each bottle including testing and comissioning.	No	As per separate sheet attached	As per Attached Sheet
[47]	Providing and fixing M.S. grills/ Railing /MS ladder of required pattern to M.S. frames of windows ,Door , Jali etc. with M.S. flats at required spacings and frame alround, square or round Bright bars of 12mm dia, with round headed bolts and nuts or by screws including all Fixture etc complete as directed by Engineer in charge	Kg	Item No. 10.100 (B) Page No. 76	Building Specification Booklet Attached
[48]	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.	Each	Item No. 24.00.2.(B) Page No. 185	Building Specification Booklet Attached
[49]	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 textured/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. (f) with medium class Rigid PVC pipe and accessories erected oncealed in wall/ceiling complete Cat- II	Point	As per separate sheet attached	As per Electric Booklet Attached
[50]	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. (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling completeCat- II	Point	As per separate sheet attached	As per Electric Booklet Attached
[51]	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- II	Point	As per separate sheet attached	As per Electric Booklet Attached

Item No.	Item of work	Unit	Applicable Specification	Specification Booklet Attached
1	2	3	4	5
[52]	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 (f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling	Point	As per separate sheet attached	As per Electric Booklet Attached
[53]	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 (iii) 18-20 Watts, Surge - 2KV, IP-20, conventional 4 feet cat-II	No	As per separate sheet attached	As per Electric Booklet Attached
[54]	Providing & erecting open well type horizontal mono block pump set with stainless steel body having following specification (A) 0.5 H.P. single phase open well motor pump set having discharge of 115 LPM @ 15 mtr. head suitable for 32 mm dia. delivery pipe with control panel	No	As per separate sheet attached	As per Electric Booklet Attached
[55]	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 Cat-II	No	As per separate sheet attached	As per Electric Booklet Attached
[56]	Providing & erecting 240 V MCB double pole switch for lighting Load (B Curve) having 10 KA breaking capacity & confirms to IS : 8828 in existing box having following capacity	No	As per separate sheet attached	As per Electric Booklet Attached
[57]	Providing and erecting Sheet Steel powder coated MCB distribution board - flush / surface mounted fitted with busbar, neutral link, earth bar and DIN rail, Conforms to IS 8623-1 & 3, IEC 61439-1 & 3 without MCB to house appropriate nos. of MCBs.(The DBs should be used of same company of MCB to be used) suitable for (A) single phase incoming and horizontal single phase outgoing (b) sheet steel double door (IP-43) (iv) 12 Way	No	As per separate sheet attached	As per Electric Booklet Attached
[58]	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]	No	As per separate sheet attached	As per Electric Booklet Attached
[59]	Providing and Erecting following Shock Proof Tissino Type accessories erected on 3 mm thick PC (Polycarbonate) Sheet in PVC / Metal Box erected on Wall / Ceiling. (14) Electronic Hum Free EME Socket Type Step Fan Regulator.	No	As per separate sheet attached	As per Electric Booklet Attached
[60]	Supplying Erecting Aproved make Bracket Fan of ISI Mark with 230 Volt A.C., 50 Cy/S 400/450 mm Sweep complete on Wall or With lead cores and connections complete. (Make shall be Approved by Engineer in Charge)Category II.	No	As per separate sheet attached	As per Electric Booklet Attached
[61]	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 using salt and charcoal / coke as required for pipe type earthing	No	As per separate sheet attached	As per Electric Booklet Attached

Item No.	Item of work	Unit	Applicable Specification	Specification Booklet Attached
1	2	3	4	5
[62]	Mains with 1.1 KV FRLS PVC insulated ISI Marked Standard 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 Standard wire of Green Colour for Earth continuity of following size. (A) With Medium Class Rigid PVC Pipe and Accessories. (a) 2 wire 1.5 Sq.mm.	Rmt	As per separate sheet attached	As per Electric Booklet Attached
[63]	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.	No	Item No. 23.143 Page No. 169	Building Specification Booklet Attached
[64]	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	Sqm	As per separate sheet attached	As per Attached Sheet
[65]	Providing and Placing IT wood writing table having size 1.50 X 0.75 X 0.75 mt with one side drawer with using of 19mm thick WP wood, top cover with 1 mm thick wood type Formica including using of all necessary material & labour etc completed as directed by Engineer incharge	No	As per separate sheet attached	As per Attached Sheet
[66]	Providing and Fixing pin cushion display board having size 1.20 X 0.75 mt including using of aluminum section frame, 18mm thick WB plywood, navy blue Cushion cloth pin etc completed as directed by Engineer Incharge.	No	As per separate sheet attached	As per Attached Sheet
[67]	Providing and fixing of hook of 10mm or 12mm dia including drilling hole, fixing of male- female thread fastener sealing the same with epoxy compound, finishing the same etc complete as directed by Engineer incharge.	No	As per separate sheet attached	As per Attached Sheet
[68]	Providing and fixing medical device & equipment standio meter height measuring scale 2.10mt long including fixing in wall with using of all heavy SS screw, rail etc complete as directed by Engineer incharge.	No	As per separate sheet attached	As per Attached Sheet
[69]	Providing and fixing Pre writing board having size 30cm X 20cm with decorative acrylic border etc completed as directed by Engineer incharge.	No	As per separate sheet attached	As per Attached Sheet
[70]	Providing and supplying standard PVC (Polyvinyl chloride) Chair with handle of approved design and make as directed by Engineer incharge.	No	As per separate sheet attached	As per Attached Sheet
[71]	Providing and supplying standard PVC (Polyvinyl chloride) Stool having size 3.75 X 0.60 X 0.45mtr of approved make as directed by Engineer incharge.	No	As per separate sheet attached	As per Attached Sheet

Item No.	Item of work	Unit	Applicable Specification	Specification Booklet Attached
1	2	3	4	5
[72]	Supplying & erecting approved LED TV 32Inch ,230V,Resolution: 4K Ultra HD (3840 x 2160)   Refresh Rate: 60 hertz,1 TV Unit, 1 Remote, 2 Table Stand, 1 User Manual, 2 Batteries,1 Warranty Card Connectivity Technology Wi-Fi, USB, Ethernet, HD Connectivity: 3 HDMI ports to connect set top box (1HDMI port eARC supported)   2 USB ports to connect hard drives and other USB devices   Built- in WiFi   Bluetooth   Ethernet RJ45   1 earphone Jack   1 Optical digital audio output (SPDIF)   1 RF- Radio frequency input   1 AV input Sound: 24W Audio Output   Dobly Atmos   Audio equalizer   Dolby Digital   Lip-sync adjustment   Sound mode:Standard, Theatre, Sports, Music, Speech, Late Night Smart TV Features: Google TV   Google Assistant   Voice command   Screen mirroring: DLNA, Chromecast, Miracast, AirPlay   Sleep Timer   On/Off Timer   Supported Apps: Netflix, YouTube, Prime Video, Hotstar, SonyLiv, Hungama, JioCinema, Zee5, Eros Now Display: 178 drgrees wide viewing angle   VRR   ALLM   MEMC   HDR 10   HLG   Dolby Vision   Multiple picture modes supported: Dynamic, Standard, Sports, PC/Game, Energy Saving, Cinema, FILMMAKER MODE Warranty Information: 2 Year Comprehensive Warranty on product provided by Toshiba from date of purchase	No	As per separate sheet attached	As per Attached Sheet
[73]	Supplying & erecting 5 stage single reverse osmosis water purification system with M.S. powder coated frame, prefilter housing with 'O' ring presediment filter GAC filter, carbon filter suitable buster DC pump capacity 80 psi, mention with 40 psi inline type post carbon filter auto low & high pressure switches with following size of storage tank & LPH capacity & erected as directed	No	As per separate sheet attached	As per Attached Sheet
[74]	Providing and fixing PVC modular kitchen cabinet consisting of base and wall units, made from high quality rigid PVC boards (minimum 15-18 mm thick), including shutters, shelves, drawers, SS hinges, telescopic channels, handles, magnetic locks, necessary fittings, cutting, fixing, complete as per design and direction of	Sqm	As per separate sheet attached	As per Attached Sheet
[75]	Providing and Fixing SS 304 Foldable Checking bed having size 1.50 X 0.60 X 0.75 mm including using of 25mm dia pipe, SS 2mm thick, matter of 25.4 (1") of 40 density, cover with regine cloth of approved quality etc completed as directed by Engineer	No	As per separate sheet attached	As per Attached Sheet
[76]	Providing and fixing Fabric cloth Curtain having length 1.8 mtr for covering of checking area including using of alluminum sliding channel etc complete as directed by by Engineer Incharge.	Rmt	As per separate sheet attached	As per Attached Sheet
[77]	Providing and Fixing of SS 304 Hanger for bag including using all necessary materials like SS rail, screw etc completed as directed by Engineer Incharge.	No	As per separate sheet attached	As per Attached Sheet

Deputy Executive Engineer  
Panchayat (R&B) Sub Division  
Bhavnagar

Executive Engineer  
Panchayat (R&B) Division  
Bhavnagar