

Kachchh Panchayat R & B Division, Bhuj - Kachchh

NAME OF WORK: CONSTRUCTION OF COMMUNITY HALL, COMPOUND WALL & PAVER BLOCK VILLAGE TA. BHUJ (VVP-2/2025-26)

Specification Index

Sr.No. of the It.No. in Sch.- B	Brief Description Of Item
1	Excavation for foundation up to 1.5 M. depth including sorting out and stacking of useful materials and disposing of the excavated stuff upto 50 M. lead. Dense or Hard soil. (S.O.R. It.No. 04001B)
2	Providing and laying cement concrete 1:4:8 (1- Cement : 4-coarse sand : 8- hand broken stone aggregates 40 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth (S.O.R. It.No. 05004A)
3	Uncoursed Rubble Masonry with hard stone of approved quality in foundations and plinth in Cement Mortar 1:5 (1-cement : 5-coarse sand including levelling up etc. complete (S.O.R. It.No. 07001BA)
4	Providing and laying ordinary cement concrete 1:1.5:3 (1cement : 1.5coarse sand : 3 stone agg. 20mm nominal size) and curing comp. incl. cost of form work but excl. the cost of reinforcement for reinforced concrete work in coping. (R.A.1)
5	Providing and laying ordinary cement concrete 1:1.5:3 (1cement : 1.5coarse sand : 3 stone agg. 20mm nominal size) and curing comp. incl. cost of form work but excl. the cost of reinforcement for reinforced concrete work in coping. (R.A.1)
6	Precast concrete block masonry (including quoin blocks Jamb blocks, closer etc.) with solid concrete blocks of approved size made of cement concrete 1:3:6 mix (1cement : 3 coarse sand : 6 graded stone aggregate of 20mm. and down gauge) for foundation and plinth in C.M. 1:4 (S.O.R. It.No. 07012A) .
7	Providing 20mm. thick cement plaster in single coat on fair side Brick/concrete walls for interior plastering upto floor two level and finished even and smooth in : C.M. 1:3 (1cement:3sand) (S.O.R P-87, It.No. 17003A)
8	White washing with lime on wall surface (two coats) to give an even shade including thoroughly booming the surface to remove all dirt, dust; mortar drops and other foreign matter. (18001)
9	Providing and fixing in position iron angle compound gate and wicket gate using M.S. angle of required size for frame and M.S. flats for grill weighing not less than 35 Kg/Sqm as per drawing including heavy iron fixtures and hold fast, locking arrangement with priming coat of approved quality and two coats of oil painting etc complete
10	Providing TMT Bar FE 500D reinforcement for R.C.C. work including bending, binding and placing in position complete upto floor two level
11	Box cutting the road surface to proper slope and chamber for making a base for road work including removing the excavated stuff and depositing on the road side slope as directed up to 50 m. (SOR 24-25 Item code 26B008 P.No.250)

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12	Providing and fixing pecast rubber dye interlocking concrete block 60mm thick with grade of concrete M150 pneumatic compressed by mechanically pressed and as per approved design including 35mm sand layer for levelling and filling the joint with sand in proper line and level etc.completed.(R.A.).
13	Providing and laying cement concrete 1:3:6 (1-Cement : 3- coarse sand : 6-hand broken stone aggregates 40 mmnominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth S.O.R. It.No.05003A)
14	Providing and laying ordinary cement conctere M20 (1cement :1.5coarse sand:3 stone agg.20mm nominal size) and curing comp.incl.cost of form work but excl.the cost of reinforcement for reinforced concrete work in foundation,footing base of columns and mass concrete work etc comp.(R.A.1)
15	Providing and laying ordinary cement conctere M20 (1 cement: 1.5 coarse sand :3 graded stone agg. 20mm nominal size)and finishing smooth with curing comp.incl.cost of form work but excl.the cost of reinforcement.for R.C.C.work in Column having cross sectoinal area 0.12 to 0.18 Sq.M.G.F.(R.A.2)
16	Providing and Laying ordinary cement concrete M-20 1:1.5:3 (1-Cement 1.5-Coarse sand 3-Graded stone agg. 20mm nominal size) and finishing but excl. the cost of reinfor RCC work in Beam having C/S area 0.12 to 0.18 sq. mt. G.F.(R.A.3)
17	Filling in plinth with sand under floors including watering ramming,consolidating and dressing etc. comp.(S.O.R.It.No.04007A)
18	Precast concrete block masonry (including quoin blocks jamb blocks closer etc.) with solid concrete blocks of approved size made of cement concrete 1:3:6 mix (1 Cement : 3 coarse sand: 6- graded stone aggregates of 20 mm and down grade) in superstructue above plinth upto floor two level. (S.O.R.It.No.07012A + 07013)
19	Providing and laying ordinary cement conctere M20 (1 cement :1.5 coarse sand:3 stone agg.20mm nominal size) and curing comp.incl.cost of form work in sill and sides (R.C.C.Band) but.excl.the cost of reinforcement. (R.C.C.Band)(R.A.4)
20	Providing and laying ordinary cement conctere M20 (1 cement :1.5 coarse sand:3 stone agg.20mm nominal size) and curing comp.incl.cost of form work in sill and sides for R.C.C Lintel incl. Finishing smooth with curing comp.incl.cost of form work but.excl.the cost of reinforcement. (R.C.C.Band)(R.A.5)
21	Providing and laying ordinary cement conctere M20 (1 cement :1.5 coarse sand:3 stone agg.20mm nominal size) for reinforced concrete chajjas not excedding 10cm. thickness upto floor two level including finishing the exposed surfaces with cement mortar 1:3 (1Cement : 3 fine sand) to gove a smooth surface centering and form work and curing complete excluding cost of reinforcement.(R.A.6)

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22	Providing and laying ordinary cement concrete M20 (1 cement :1.5 coarse sand:3 stone agg.20mm nominal size) and finishing smooth with curing etc. complete including the cost of form work butexcluding the cost of reinforcement for R.C.C. work in Slabs having more than 10 cm & :upto 12 cm thickness.(R.A.7)
23	Providing and laying Mirror polished Black Granite stone slab 18 mm (Average) thick for Door Frame and Windows jams and cills as per design incl. full moulded round front edge and 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(R.A. 8)
24	Providing and fixing 35 mm thick shutters for Doors, windows and clerestory windows including Indian teak wood frames 10 cm x 7 cm. size including black enamelled iron oxidised fixtures and fastenings including primer coat of approved quality and two coats of oil painting etc, complete. (ii) Fully Panelled.(S.O.R.It.No.10031B)
25	Providing and fixing window having extruded aluminum Colour anodized section frame main outer size 63.50 x 38.10 x 1.95 mm(of Jindal Section no:4605,@ Wt 1.094 Kg / Rmt), horizontal two track member size 61.85 mm x 31.75 mm x 1.20mm (of Jindal Section no: 8687 @ wt.of 0.695 Kg/mt), vertical member of size 61.85 mm x 31.75mm x 1.30 mm (of Jindal Section no:8758 @ wt.of 0.0.659 Kg/mt) with sliding shutters of horizontal member size 40mm x 18mm x 1.29mm (of Jindal Section no:8949 @ wt.of 0.456Kg/mt), vertical member of size 40mm x 18mm x 1.29mm (of Jindal Section no:8947 @ wt.of 0.456Kg/mt/ Section 8948, @ 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.(S.O.R.It.No.11028)
26	Providing and fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacings and frame around, square or round bars with round headed bolts and nuts or by screws. (A) Plain Grill.(S.O.R It.No10025AA)
27	Providing 10mm. thick cement plaster in single coat on fair side Brick/concrete walls for interior plastering upto floor two level and finished even and smooth in :C.M.1:3 (1cement:3sand) finishing plaster in single coat on ceiling and soffits of stairs upto floor two level and finished even and smooth (S.O.R It.No17001A)
28	Providing 15mm. thick cement plaster in single coat on fair side Brick/concrete walls for interior plastering upto floor two level and finished even and smooth in :C.M.1:3 (1cement:3sand) with 1x1 cm grooves G.F.(S.O.Rit.No.17002A)
29	20mm. thick sand faced cement plaster on walls upto height 10meters above ground level consisting of 12mm. thick backing coat of c.m. 1:3 (1cement : 3 sand) and 8mm. thick finishing coat of c.m. 1:1 (1cement : 1 sand) etc. complete.(S.O.R It.No.17009)

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30	P & L 24" x 24" vitrified 8 mm thick tile flooring over 20mm (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 finished with flush pointing & cleaning the surface etc.complete for light shade(SOR It.No.14022A)
31	Finishing wall with water proffing cement paint of on wall surface (two coats) to give an approved brand and manufacture and of required shape even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials.(S.O.R It.No.18027+18028)
32	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.including applying two coats of Birla or Asian acrylic lapy (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.(S.O.R.It.18031+18032+19032)
33	Providing and laying white glazed 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.[SOR 2024-25 I.C.14008AA, It.No.14.29, Pg.127]
34	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 falnge compression type fittings, wall clipsetc. including making good the wall ceiling and floor.75 mm for rain water(S.O.R.23004F)
35	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.. (S.O.R.It.No.26008)
36	Providing and fixing pre-cast Rubber Dye / steel Dye inter locking concrete block 60mm thick with grade of concrete M300 pnumatic compressed / vibrated mechanically and as per approved design Confirming to IS 15658 : 2006 including 75 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.(S.O.R.It.No.14033)
37	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. Cat-III
	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete

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38	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 four or more step type electronic fan regulator with separately 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. Cat-III
	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete
39	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.Cat-III
	[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 complete
	[II] For 16A Plug and 16 amp switch with 2-2.5 sq.mm Cu. Wire from mcb db board.
40	(f) with medium class Rigid PVC pipe and accessories erected concealed in wall/ceiling complete
41	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
42	Providing following type of Modular Type Accessories mounted with PVC / metallic/Wooden box, single mounting base frame covered with textured / metallic/white front plate , modules erected with necessary connections as per site situation directed by Engineer In charge. Cat-III
	(7) Blank Plate Single
43	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
44	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
	(a) 2 wire 1.5 sq. mm

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45	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. Cat-III
	For Modular Type Accessories
46	Decorative call bell Ting-tong box type 250 volts complete erected
47	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 120 to 300 V,Power Factor more than 0.9, THD < 10 %, CCT 3000 K to 6500K, Luminaire efficacy> 85 lumens/watt ,LED efficiency-110 lumens/watt LED driver efficiency > 85 % CREE / OSRAM / PHILIPS Lumileds / NICHIA / SEOUL/Bridgelux make LED used for luminaire. (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.) Cat-III
	(A) Tube Light with integral driver
	(d) 22-24 Watts, Surge - 2KV,IP-20, 4 feet
48	Providing Approved make Double Pole Cast Iron Clad Switch & rewirable Fuse 240 / 250 V confirming to IS. Cat-II
	(b)32 A
49	Erection & connection charges for 16A / 32 A DP as following
	(b) on polished wooden block.
50	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-III
51	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
	(B) 40 Amp.
52	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
53	providing and erecting Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 10 KA and suitable for operation on single phase 240 V,50Hz. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component. for following Max. rating erected as directed Cat-III
	(ii) 40Amps. DP

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54	Supplying & erecting funnel type earthing having earth plate of following size buried in specifically prepared earth pit 3 mtr. below ground with 40 kg. charcoal and salt with alternate layers of charcoal & salt, 20mm.dia. G.I. pipe with Funnel with a wire mesh for watering & bricks masonry block, C.I. Cover complete as per para 7.3 of IS 3043 with necessary length of double Galvanised Iron / copper earth wire No 6 SWG bolted with lug to the plate and covered in 12 mm dia. G.I. pipe 2.5 mtr long complete connected to the nearest switch gear with end socket as per direction & duly tested by earth tester confirming to IS (As per drawing) with following specification
	(C) with 60 x 60x 0.315 cms. Copper earth Plate
55	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables.
	(B) 2 core 6 Sq. mm
56	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Aluminium conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe of following size of cables
	(B) 3 1/2 core 50 Sq. mm (25 Sq.1/2 mm core)
57	Making trench in soft soil of suitable width of 90 cm deep for laying cable or locating the fault all over the run and back filling the same and making the surface as normal ground.
58	Providing & erecting Approved make Power Saving 50 Watt Ceiling Fan with double ball bearing ISI mark with Condenser 230 volt A.C. 50 Hz 1200 mm sweep complete having 3blades with aluminium blades with , canopy & 30 cm. down rod erected with earthing.(Make shall be approved by Engineer in charge))

Dy. Executive Engineer,
Panchayat R.&B. Sub Division
Bhuj-Kachchh