

**Name of work: Construction of SCADA Room at Lal Bungalow at Jamnagar**

**Schedule B:**

Sr.No.	Particular	Quantity	Rate	unit	Amount
1	Demolition of brick work and stone masonry inclu. Stacking of serviceable material and disposable of unserviceable material with all lead and lift (2) in cement mortar	25.00	133.00	cmt	3325.00
2	Dismantling of sheet roofing with necessary angle support inclu. Stacking of material and disposal of unserviceable material with allied and lift. (1) A.C. sheet roofing	17.50	12.90	smt	225.75
3	Dismantling of door/ window ventilators etc. (wood or steel) shutters inclu. Chaukhats etc. comp. with all lead and lift (1) not exceeding 3.00 smt in area	2.00	46.00	nos.	92.00
4	Dismantling the tiles or stone floors / I.P.S/ Tarfelt laid in mortar inclu. Stacking of serviceable materials and disposal of un serviceable material with all lead and lift .	20.00	11.60	smt	232.00
5	Shifting of storage tank including removing all the sanitary fittings and shifting the same to required place as directed by E.I.C.	1.00	1000.00	Job	1000.00
6	Dismantling by chipping the reinforced concrete of any grade and age of old foundation, slab / wall for mass heavy concrete structure of power house etc. making hole, slot of any size and shape by manually with pneumatic Air Compressor breaker at any height / depth, cutting thr reinforcement, as required and disposing the chopped out stuff within lead of 500 M radius etc., complete as directed by E.I.C.	1.00	1760.00	Cmt	1760.00
7	Excavation for foundation up to 1.5mtr depth including sorting out and stacking of useful materials and disposing off un useful materials upto 50 mtr. Lead.b. Dense or hard soil	75.00	60.00	cmt	4500.00
8	Excavation for foundation up to 1.5 to 3.0Mmtr depth including sorting out and stacking of useful materials and disposing off un useful materials upto 50 mtr. Lead.d. Soft rock not requiring blasting	20.00	114.00	cmt	2280.00

9	Providing and laying Cement concrete work 1:4:8 using hand broken size of nominal size 40mm including ramming consolidating curing etc completed. (with out form work)	6.00	1533.00	cmt	9198.00
10	Providing and laying cement concrete flooring 1:2:4 laid in one layer finished with floating coat of neat cement. b. 50mm thick	5.00	127.00	smt	635.00
11	White bella stone masonry for sub-structure in CM 1:6 including racking out joints curing etc. complete,	15.00	2464.00	cmt	36960.00
12	White bella stone masonry for super-structure in CM 1:6 including racking out joints curing etc. complete,	75.00	2530.00	cmt	189750.00
13	Providing and laying controlled cement concrete M-200 and curing complete excluding the cost of form work and excluding reinforcement for reinforced complete work in ( A ) Foundation footings, Base of columns and mass concrete.	12.00	3054.00	cmt	36648.00
14	Providing and laying controlled cement concrete M-200 exposed work with curing etc complete including the cost of form work and excluding reinforcement for R.C.C work in [B] Columns [II] Having cross sectional area more than 0.08Sq.M and upto 0.12Sq.M	3.50	3131.00	cmt	10958.50
15	Providing and laying controlled cement concrete M20 including cost of form work and excluding cost of reinforcement. for Beams having cross sectional area between 0.08sq.M to 0.12 sq.M	17.00	3108.00	cmt	52836.00
16	Providing and laying ordinary Cement concrete M20 using graded stone of nominal size 20mm for RCC lintel & chajjah including finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement	6.00	3876.00	cmt	23256.00
17	Providing and laying controlled Cement concrete M20 using graded stone of nominal size 20mm including finishing smooth with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for RCC work in slab having more than 10cm and up to 13cm thickness	41.00	3108.00	cmt	127428.00

18	Providing form work of ordinary timber planking so as to give rough centering shuttering strutting and propping height of propping below supporting floor to ceiling not exceeding 4.00 mtr. height and removal of same in situ reinforced and plain concrete work in (A). Foundation, footing base of column and mass concrete.	6.50	88.00	smt	572.00
19	Providing and placing in position TMT bars for reinforcement including cutting bending binding etc completed. Upto floor level two.	8400.00	40.00	KG	336000.00
20	Providing and fixing MS grills or required pattern to frames of windows etc. with MS flats at required spacing and frame all round square or round bars with round headed bolts and nuts or by screws/welding. Etc complete as directed by EIC. As approved pattern.	420.00	64.00	KG	26880.00
21	Providing and fixing 50mm stainless steel pipe hand railing for staircase with necessary Baluster, Vertical pipes of required diameter fixing the same by airldite, necessary welding etc as directed by EIC. ( Rates are including fixing at site as required ).	8.00	2918.00	Rmt	23344.00
22	Providing and fixing S.S steel pipe hand rail on existing staircase fins with necessary welding including fixing the hold fast as per requirement as directed by E.I.C.	8.00	1090.00	Rmt	8720.00
23	Providing & fixing partly glazed & partly panelled aluminum ( alloy 9WP) frame partition using allum."c" section in the dimension of 23.6mm×21.8mm to be used for top bottom and side ends aluminum 'H' sections in the dimension of 23.6mm×60mm. Outer dimension to be used for intermediate support. the vertical & horizontal members to be jointed with concealed allum.angle cleat panel to be made from pre laminated partical board or equivalent materials. with an overall thickless partical board is 10mm and 5mm plain glass as glazing including door arrangement etc. complete as directed by E.I.C.	40.00	2150.00	smt	86000.00

24	<p>Supplying &amp; fixing in position fully double glazed panelled door fixed &amp; open able in double or single leaf anodized aluminum entrance decorative door with aluminum framed size &amp; shape as per Board's design and size using extruded section fabricated by standard manufacturers including necessary fixing arrangement all fixtures and fastenings of aluminum anodized as per requirement with lock &amp; 5.5mm thick Triveni make or plain glass HB4 fixed with special transparent gasket and aluminium beading, hydraulic floor mounted door closer and fixing godrej make mortise lock, with glass frosting, embossing of P.G.V.C.L monogram and special color coating as approved with all labour and materials complete as per drawing &amp; as directed by E.I.C.</p>	8.50	2970.00	smt	25245.00
25	<p>Providing and fixing FRP frame 125x65 mm and 35 mm thick FRP depressed pannel shutter with wooden grain raised panned design finished shutter having extra reinforcement on sides and edges and in polished finish. The core of the shutter is to be filled uup injected fire retardent grade polyurethane foam done in situ along with embaded wooden pieces for stiffening and also for taking hinges and fixtures. The whole FRP frame and shutter is to be water proof, weather proof, termite proof and resistance to mild acid/alkali. Rates are to be inclusive of S.S hinges with necessary screws and aluminum fixtures and fastenings.</p>	9.00	4437.00	smt	39933.00

26	Providing and fixing aluminum anodized sliding windows having standard section using extruded section fabricated by standard. Manufacturers with 15/20 Microns silver color anodizing as per drawing windows shall be of 4 mm thick. Triveni 'HB4' plain glass glazing transparent rubber gasket and necessary hardware, handles cum locking arrangement etc. Complete Unit shall be fabricated from aluminum section conforming to HE9WB designated to IS-1285/1980 for its chemical and mechanical properties. Anodized shall be conforming to IS-1868/1968. All joints shall be mechanically joint having secured with specially design M.S. Zink plated heat arrangement. No welding process shall be allowed in the unit.also glass frosting and embossing of P.G.V.C.L monogram and special colour coating with all labour and materials complete as directed by E.I.C	26.00	2700.00	smt	70200.00
27	Providing 15 mm thick single coat plaster on fair side brick/concrete wall for interior plastering upto floor level two including smooth even finishing. a. Cement mortar 1:3 & also finishing the same with a floating coat of neat cement/lime slurry.	750.00	107.00	smt	80250.00
28	Providing 20mm thick sand faced plaster on wall surface upto 10 mtr. Height consisting of 12mm thick base coat in CM 1:3 and next coat of 8mm thick in CM 1:1 including making groove in same as directed.	380.00	152.00	smt	57760.00
29	Providing and fixing P.O.P. ceiling as per approved pattern by EIC of work including making support form structure, making offset to make duct for fixing of lighting fixtures in selected pattern as directed by EIC	190.00	430.00	smt	81700.00
30	Providing and fixing P.O. P. decorative gilto of approved shape and size as per requirement of site situation including required structure. rate includes the fixing on wall or ceiling or at junction Of wall and ceiling	210.00	120.00	Rmt	25200.00

31	Providing and laying 24"x24" Vitrified 8mm thick tile flooring over 20mm base of cement mortar 1:6 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 and cleaning the surface etc complete For Light Shade	230.00	887.00	smt	204010.00
32	Providing and fixing False flooring shall be SF-1200 of preferred make & confirming to EN 12825 or equivalent standards .For cut tiles measurement shall be considered as full 2'x2' tile with more than 12" as full tile and 2 nos. of tiles with less 12" to be considered as 2'x2' full tile. There shall be 2 nos. of 2 cup Tile lifters Costs include tile cutting for cable movement for racks, Placement of PAC etc. False floor system to be installed will provide a max. finished floor height of 600 mm from the existing floor level. The system for suitable pedestal & under-structure designed to withstand various static loads and rolling loads subjected to it in an Server/ DCS/ Panel/ Rack /SAN area. Entire Access floor system will provide for adequate fire resistance, acoustic barrier and air leakage resistance. Panels will be made up of inert material Calcium sulphate. bottom of the panel shall be of 0.05 mm Aluminum foil to create a fire and humidity barrier&this should provide floor's electrical continuity as directed by E.I.C.	20.00	4500.00	smt	90000.00
33	Providing and laying white/colored glazed tiles of 6mm thick in flooring treads of steps and landing etc. on bed of 12mm thick cement mortar 1:3 finishing with flush pointing in white cement. As approved by E.I.C	15.00	593.00	smt	8895.00
34	Providing and laying white/colored glazed tiles of 6mm thick in skirting riser of steps etc. on 10mm thick cement mortar 1:3 finishing with flush pointing in white cement.	15.00	606.00	smt	9090.00

35	Providing and laying Granite slab (18mm thick ) in risers of steps, dedo and pillars laid on 10mm thick Cement Mortar 1:3 ( 1-Cement : 3-Coarse sand ) and jointed with grey cement slurry including rubbing and edging, molding as per required shape & polishing complete. For Jambs and Sills	18.00	2584.00	smt	46512.00
36	Providing and laying China Mosaic Pieces tiles flooring on terrace including 20 mm thick bending in C.M. 1:4 with mixing water proofing materials in cement mortar @ 1KG /10M <sup>2</sup> & applying cement slurry @ 2KG /M <sup>2</sup> and filling joints with white cement including with line level and finishing, curing etc. completed as directed by engineer in charge. This item should be carried out along with the vertical surface of the parapet and other joints in wall up to height of 300mm in a shape of quarter round vata, Including giving pond test for minimum 10days etc. (item rate includes hacking of existing IPS/cement finishing of terrace )	240.00	302.00	smt	72480.00
37	Providing 100 mm. quarter round water proofing cement vatah in C.M.(1:2) at junction of walls & slab in parapets, weather sheds, cantilevers including finishing the top with smooth cement finishing using water proofing compound, curing scaffolding etc., complete as directed by E.I.C.	40.00	15.80	Rmt	632.00
38	Distempering with oil bound acralic distemper( Two coats) of approved brand and manufacture and of required shade on wall surface to give an even shade after thoroughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even sand papered smooth.	650.00	36.50	smt	23725.00
39	Finishing wall with water proofing cement paint of on wll surfaces ( 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 powered materials.	350.00	29.50	SMT	10325.00
40	Providing and fixing urinal of approved quality including connection with trap and integral longitudinal flush pipe. A. Squatting plate pattern white earthen ware – 550x300mm	3.00	826.00	Nos	2478.00

41	Providing and fixing European type WC with internal P or S trap including jointing with soil pipe in CM 1:1 (excluding seat cover)	2.00	871.00	Nos	1742.00
42	Providing and fixing 600mmx450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and gixed to wooden plugs with C.P Brass screws and washers.	1.00	573.00	Nos	573.00
43	Providing and fixing C.P Brass towel rail complete with C.P Brass brackets fixed to wooden plugs with C.P Brass screws [B] 600MMX20MM size	1.00	454.00	Nos	454.00
44	Providing and fixing 300x300 mm size granite year plate with golden acrylic border and letter including fixing the same in C.M etc. complete	1.00	207.00	Nos	207.00
45	Providing and fixing P.V.C nanhi trap of the following nominal diameter of self cleaning design with C./P.V.C screwed down or hinged grating and S.S jali including cost of cutting & making good the walls & floor 100mm inlet & 50mm outlet.	3.00	255.00	Nos	765.00
46	Providing and fixing steel sink size of 450mmx400mm with brass heavy type waste coupling with necessary drainage pipe upto 1mt length, and fitting with appropriate solution etc complete.	1.00	750.00	Nos	750.00
47	Providing and fixing to wall, ceiling, and floor in plumb by means of GI clamps of 18 guage sheet with 1 to 1.5 mtrs. Distance 6.00 Kg/cm <sup>2</sup> working pressure polythene pipes of approved brand incl. joining with approved solution & fittings like bend, tee, Y bend plug bend with water tight jointslf pipe aid in trenches including all type of earthwork up to 750mm depth. <b>110 mm dia</b>	100.00	135.00	Rmt	13500.00
48	Providing and fixing to wall, ceiling, and floor in plumb by means of GI clamps of 18 guage sheet with 1 to 1.5 mtrs. Distance 6.00 Kg/cm <sup>2</sup> working pressure polythene pipes of approved brand incl. joining with approved solution & fittings like bend, tee, Y bend plug bend with water tight jointslf pipe aid in trenches including all type of earthwork up to 750mm depth. <b>160 mm dia</b>	10.00	325.00	Rmt	3250.00

49	Providing and fixing CI man hole cover 600x450mm size having weight not less than 35 Kg.	3.00	1851.00	nos	5553.00
	Providing B.B. Masonry inspection chamber (MANHOLE) of approved size including light type C.I. Cover with frame, necessary excavation bottom concreting of B.B.C.C. (1:4:8) 150mm. thick/ 225mm. thick B.B. Masonry in C.M.(1:6) 12mm thick cement plaster in C.M.(1:3) inside & to all exposed faces up to 300mm. below ground level, curing etc., including disposal off surplus excavated earth up to radius of 500 mt. including 3 coats of white or colour wash to all exposed finished surface etc. complete as directed by E.I.C.				0.00
50	Providing and fixing European type WC with internal P or S trap including jointing with soil pipe in CM 1:1 (excluding seat cover)	2.00	1094.00	nos	2188.00
51	Providing and fixing 600mmx450mm bevelled edge mirror of superior glass mounted on 6mm thick A.C sheet or plywood sheet and gixed to wooden plugs with C.P Brass screws and washers.	2.00	1925.00	nos	3850.00
52	Providing & Fixing 16 mm.dia. M.S. fan hooks embedded in slab or beam during casting as per instructions including 3 coats of oil painting etc., complete as directed by E.I.C.	14.00	85.00	Each	1190.00
0	Supply and fixing to doors windows, ventilators, cup boards following fixtures & fastening of approved quality with wooden or metal or brass screws, nuts & bolts as directed or as per the drawing & specifications etc. complete as directed by EIC.				0.00
53	(A) Flat latch (Brass) 300 mm long.	6.00	215.00	nos	1290.00
54	(B) Handle (Brass) 150 mm long.	6.00	90.00	nos	540.00
55	(C )Door stopper (Brass) 150 mm long.	3.00	80.00	nos	240.00
56	(D) Door stop	3.00	80.00	nos	240.00
57	(E) Haldrop 300mm long & 16mm dia. (Brass)	3.00	375.00	nos	1125.00
58	(F) C.P Mortise Lock ( standard Make ) with Handle of approved quality (Brass)	2.00	630.00	nos	1260.00
				Total	1869752.25

**Rs. Eighteen lacs, sixty nine thousand, seven hundred, fifty two and Ps. Twenty five only.**

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**I/We have read and clearly understood the terms, conditions, Schedule ‘B’ and Technical Specifications put by PGVCL in tender. I/ We hereby accept all the conditions and specifications of this tender document, and accordingly, I/We am/are willing to carry out the work at \_\_\_\_\_% (in words \_\_\_\_\_percentage) above/below the estimated cost. Accordingly the total amount of my/our tender works out to Rs. \_\_\_\_\_ (Rupees in \_\_\_\_\_ words \_\_\_\_\_)**

**Signature of contractor  
with seal**

**Chief Engineer (Tech)  
PGVCL Corporate office Rajkot**