



CITY CIRCLE OFFICE - RAJKOT

SCHEDULE - B

NAME OF WORK : Construction of Office Building for Raiya Road S/Dn under City Circle office PGVCL Rajkot

SR. No.	PARTCULARS OF ITEM	QUANTITY	RATE	PER	AMOUNT
1	Excavation for foundation up to 1.5M Depth including sorting out and stacking of useful materials and disposing of the excavated stuff up to 50 meter lead (A) Loose or soft soil.	35.00	67.30	Cmt	2355.50
2	Excavation for foundation up to 1.5M Depth including sorting out and stacking of useful materials and disposing of the excavated stuff up to up to 50 meter lead (B) Dense or Hard soil.	135.00	86.20	Cmt	11637.00
3	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.(C) Hard Murrum	35.00	147.00	Cmt	5145.00
4	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20 cm. In depth consolidating each deposited layer by ramming and watering.	170.00	79.00	Cmt	13430.00
5	Filling in plinth with sand under floors including watering ramming, consolidating and dressing etc. complete.	80.00	398.00	Cmt	31840.00
6	Filling in foundation & plinth with murrum or selected soil in layers of 20cm thickness including watering, ramming, & consolidating etc. complete.	80.00	248.00	Cmt	19840.00
7	Providing and laying cement concrete 1:3:6 (1cement : 3coarse sand : 6 hand broken stone aggregates 40 mm. nominal size) and curing complete excluding cost of from work in :Foundation and plinth.	70.00	2445.00	Cmt	171150.00
8	Providing and laying controlled cement concrete M - 200 and curing complete including cost of required form work and excluding the cost of reinforcement for reinforced concrete work in : Foundation footing base of columns and mass concrete.	18.00	3939.00	Cmt	70902.00

9	Providing and laying controlled cement concrete M.200 finishing smooth work 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	22.00	6667.00	Cmt	146674.00
10	Providing and laying controlled cement concrete M.200 finishing smooth work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in (A) BEAMS :(iii) Having cross-sectional area more than 0.12Sq.M and upto 0.18 Sq.M	55.00	4870.00	Cmt	267850.00
11	Providing and laying controlled cement concrete M.200 finishing smooth work with curing etc. complete including the cost of formwork but excluding the cost of reinforcement for R.C.C. work in Lintel coping, chajja, shelves.	13.00	4792.00	Cmt	62296.00
12	Providing and laying controlled cement concrete M -200 with curing etc. complete including the cost of form work but excluding the cost of reinforcement for R.C.C work in : (3) Slabs having more than 10 cm. And up to 13 cm. Thickness	55.00	4922.00	Cmt	270710.00
13	Providing and laying cement concrete flooring 1:2:4 (1-cement : 2-coarse sand : 4-graded stone aggregate 20mm nominal size) laid in one layer and finished with a floating coat of neat cement. (B) 50mm thick.	97.00	203.00	Smt	19691.00
14	Providing TMT Bars conforming to IS 1786 FE 415 for R.C.C. work including bending, binding and placing in position complete for ground floor.	19500.00	44.40	Kg.	865800.00
15	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 1:5. (1- Cement : 5 -fine sand)(B) Conventional (upto 10 ton)	51.00	2873.00	Cmt	146523.00
16	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 1:5. (1- Cement : 5 -fine sand)(B) Conventional (upto 10 ton)- in Super structure	93.00	3038.00	Cmt	282534.00
17	(i) Half brick masonry in common brunt clay building bricks having crushing strength not less than 35 Kg/Sq.Cm. in Cement mortar 1:4 (1- Cement : 4 -coarse sand) in foundation and plinth (B) Conventional (upto 10 ton)- in super structure	125.00	417.00	Smt	52125.00
18	Providing 15 mm. 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 : (I) Cement mortar 1:3 (1 cement : 3 sand).	970.00	108.00	Smt	104760.00

19	Providing 10 mm. Thick cement plaster in single coat on fair side Brick/concrete walls for interior plastering up to floor two level and finished even and smooth in :cm 1 : 3 (1 cement : 3 sand).	230.00	96.90	Smt	22287.00
20	20 mm. Thick sand faced cement plaster on walls upto height 10 meters above ground level consisting of 12 mm. Thick backing coat of c.m. 1:3 (1 cement : 3 sand) and 8 mm. Thick finishing coat of c.m. 1:1 (1 cement : 1 sand) etc. complete.	582.00	190.00	Smt	110580.00
21	Applying two coats of Birla or Asian acrylic lapy (putty) & two coats of primer of approved brand and Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on 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.	1200.00	98.10	Smt.	117720.00
22	Providing & applying 1 coat of approved make of cement primer paint including scaffolding etc., complete as directed by E.I.C.	582.00	19.50	Smt.	11349.00
23	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	582.00	72.00	Smt.	41904.00
24	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	12.00	523.00	Smt.	6276.00
25	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	14.00	161.00	Smt.	2254.00
26	Providing cement vata (10 cm x 10 cm size) quartar round in cement mortar 1:1 including neat cement finishing watering etc. complete.	140.00	17.60	Rmt	2464.00
27	Providing & fixing 600x600mm vitrified 8mm thick tiles of approved colour in flooring, skirting etc. over 20mm (Av) base of cement mortar 1:6 on new surface or fixing on existing flooring by adhesive material including jointed with colour cement slurry of matching shade incl. finished with flush pointing & cleaning the surface etc ,complete.	240.00	885.00	Smt	212400.00

28	Providing and laying chequered precast cement concrete tiles 22mm thick with aggregate of sizes upto 6mm in floors, treads of steps and landings on 20mm thick bed of C.M. 1:6 (1-cement : 6-sand) or L.M. 1:1.5(1-Lime putty : 1.5 coarse sand) joint with neat cement slurry with pigments to match the shade of the tiles.	35.00	363.00	Smt	12705.00
29	Providing and laying Colour glazed tiles 6 mm. Thick in flooring, skirting and dado on 10 mm. Thick cement plaster 1:3 (1 cement : 3 coarse sand) pointing in white ceand jointed with white cement slurry.coloured tiles.	93.00	906.00	Smt	84258.00
30	Providing and laying Kota stone slab flooring over 20 mm. (average thick base of cement mortar 1:6 (1 cement : 6 coarse sand) of L.M. 1:1.5 and laid over and jointed with grey cement slurry mixed with pigment to match the shade of including rubbing and polishing etc complete.25 mm. Thick.	32.00	608.00	Smt	19456.00
31	Providing and fixing green marble 20 mm thick as window sill,tread riser with necessary bedding Moulding etc as directed by engineer in charge.	38.00	1000.00	Smt	38000.00
32	Providing & laying 20 ot 25MM thick both faces polished kotastone with all edges machine cut upto 450MM width and ofrequired length (only one piece to be used) of approvedquality for cup board shelves including fixing the same inmasonry wall by cement m curing etc complete as directed by E.I.C.	75.00	542.00	Smt	40650.00
33	Providing and fixing pre-cast Rubber Dye inter locking concrete block 60mm thick with grade of concrete M200 pnumatic compressed by mechanically pressed and as per approved design including 75mm Sand layer for levelling and filling the joint with sand in proper line and level etc complete.	240.00	607.00	Smt	145680.00
34	Providing and fixing pre-cast concrete kerb stone of gray cement based concrete block 30cm length,30cm height and 15cm thick of M250 grade concret as per approved design and including excavation for fixing in proper line and level,filling the joint with C:M 1:3 (1cement:3fine sand) etc complete	60.00	241.00	Rmt	14460.00
35	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.	235.00	479.00	Smt	112565.00

36	Providing & fixing steel cupboard shutter of 18 gauge with steel frame and fixing the frame with brick masonry including locking arrangement with 3 coats of approved oil paint etc complete.	32.00	2150.00	Smt	68800.00
37	Providing and fixing flush door shutters, solid core construction with frame of first class hardwood with cross band and face veneer of plywood face panels, including anodized aluminium butt hinges with necessary screws. Non-decorative type and black board core anodized aluminium butt hinges in flush door shutters. 35 mm thick.	15.00	3745.00	Smt	56175.00
38	Providing and fixing FRP frame 100 x 50 mm and 28 mm thick FRP shutter with wood grain raised panel design finish shutter having extra reinforcement on sides and edges and ingel coat finish. the core of the shutter & frame is to be filled up with injected fire retardant grade polyurethane foam done in situ along with embedded wooden pieces for stiffening & also taking hinges & fixtures. The whole FRP frame & shutter is to be water proof, weather proof, termite proof & resistance to mild acid/alkali. Rates to be inclusive of SS hinges with fastener sleeve & aluminium fixture & fittings etc.	8.00	3283.00	Smt	26264.00
39	Providing ,fitting & fixing fully glazed, partly glazed double leaf anodized powder coating aluminum entrance door using extruded section fabricated by standard manufacturers with framing 10.15X4.45cm rectangular section & door shutter made from 10.15cmX4.45cm aluminum bottom section, top & vertical section 15cmX4.45cm size using 5.5mm thick "TRIVENI" or HB4 plain glass with glazing deep rubber gasket with locking arrangement of GODREJ LOCK with all fixtures & fastening of anodized section with aluminum bedding hydraulic floor spring mounted door closure with all labours & materials etc. complete as per drawing & as directed by EIC	8.00	3510.00	Smt	28080.00

40	<p>Providing & fixing fittings in position fully glazed aluminium (alloy - HE - 9 WP) frame partition using aluminium 'c' section in the dimensions of 23.6mmx21.8mm to be used for top, bottom and side ends aluminium 'H' sections in the dimensions of 23.6x60mm outer dimensions to be used for intermediate support, the vertical & horizontal members to be joined and with concealed aluminium angle cleat panel to be made from 5.5 mm thick HB4 or "Triveni" make plain glass fixed with glazing clip rubber gasket with aluminium bedding of required size incl. all fixtures & fastenings as per drawings & details with door of required size with similar aluminium framing material etc., complete with rubber on all four side for air tight fitting incl. all fixtures & fastenings as directed by E.I.C.</p>	15.00	2400.00	Smt	36000.00
41	<p>Providing and fixing extruded aluminum window having extruded aluminum Colour Powder Coated section frame main outer size 127mm x 38.10mm x 1.35mm (of Jindal Section no:2443,@ Wt.1.384 Kg/mt),horizontal Four track member size 122.20mm x 31.75mm x 1.10mm (of Jindal Section no:8787,@ Wt. 1.205 Kg/mt),vertical member of size 122.20mm x 31.75mm x 1.50mm (of Jindal Section no:8935,@ Wt. 1.398 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.</p>	24.00	2012.00	Smt	48288.00
42	<p>Providing and fixing standared extruded of alluminium section of size 63mm x 38.10mm x 1.2mm (Jindal Section :2434, @ Wt. 0.643 Kg/mt) with colour Powder Coated alluminium frame for ventilation with 5 mm thick frosted glass as details etc complete for Ventilation.</p>	7.00	1386.00	Smt	9702.00
43	<p>Providing & fixing M.S. grills of required pattern to wooden frames of windows etc. with M.S. flats at required spacing and frame all-round square or round bars with round headed bolts and nuts or by screws. (a) Plain grill</p>	780.00	70.50	Kg.	54990.00

44	Providing corrugated G.I. sheet of class-3 roofing fixed with galvanized iron J or L Hooks, Bolts and nuts 8mm diameter with bitumen and G.I. limpet washer or G.I. limpet washer. filled with white lead complete excluding the cost of purlins, Rafters and Trusses.(1) 0.80 mm thick sheet.	78.00	767.00	Smt	59826.00
45	Providing and fixing rolling shutters of approved make made of 80 mm wide M.S. laths inter-locked together through their entire length and jointed together at the ends by end locks mounted on specially designed pipe shaft with bracket plates, guide channels and arrangements for inside and outside locking with push-pull operation including the cost of hood cover and spring etc. complete.(A) Shutters having width below 3.5 M.	8.00	3706.00	Smt	29648.00
46	Providing & fixing in position collapsible steel shutters with vertical channels 20 x 10 x 2 mm. Braced with flat iron diagonals 20 x 5 mm. Size with top and bottom rails of T-Iron 40 x 40 x 6 mm. With 38 mm. Dia steel pulleys, complete with bolts, nuts, locking arrangements, stoppers, handles including applying a priming coat of Red lead paint & 3 coats of oil paint.	5.00	3644.00	Smt	18220.00
47	Providing and fixing Steel pipe railing made up of 50 mm x 16 G ASIS 304 grade Quality pipe with intermitand decorative SS Support at various steps including all labour man material as directed by Engineer in charge.	10.00	1185.00	Rmt	11850.00
48	Steel work, riveted in built up sections framed work including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. (A) In beams and joists, channels angles Tees, flats, with connecting plates or angle cleats as in main and cross beams. Hip and jack rafters, purlins conneted to common rafters and the like.	1300.00	59.69	Kg.	77597.00
49	Providing & fixing G.I. barbed wire fencing (12/14) gauges having 8 horizontal rows fixing with angle posts by means of G.I. U pins as directed as per drawing & as directed by E.I.C. etc., complete (Rate is For Set of Eighr Raw)	94.00	120.00	Rmt	11280.00
50	Providing & Fixing of ISI approved quality hydraulic door closer as directed.	2.00	850.00	No.	1700.00
51	Capsule door closer	5.00	220.00	No.	1100.00

52	<p>Providing 2500mm internal diameter & 3.0 Mt. Deep soak pit including excavation in all types of soil & soft rock & B.B CC(1:4:8) bedding, 300mm thick below masonry and 450mm thick B.B Masonry in CM(1:6) up to 600mm height, 350mm thick for further 600mm and 230mm thick for remaining height honey combed, plastering in CM(1:3) outside up to 1.5 Mt height and 100mm thick RCC slab with 600x600mm C.I.HEAVY duty cover with frame, with necessary reinforcement as per design & C.I Vent pipe 1800mm long with B.B masonry pillar 350x350x450 plastered all around filling with 40 to 50mm size brick bats up to 1.5 Mt depth, including 16mm dia M.S'U' shape steps, refilling including disposal of the surplus excavated earth up to the lead of 500mt. Radius including 3 coats of white or colour wash to all exposed finished surface etc. complete as directed by E.I.C.</p>	1.00	19500.00	No.	19500.00
53	<p>Providing, laying and jointing in true line and level 110 diametreP.V.C (Type B) conforming to IS 13592-1992 with one end plain and other end socketed with rubber ring, & fittings conforming to ISI 14735-1999 of approved make for drainage system pipe line, pipe shall be jointed with each other with rubber lubricant, pipe shall be fixed on wall using of PVC clamp of the size 110 mm diametre x 149 mm length x 145 mm heigh at every 2000 mm center to center or shall be concealed in walls as directed including necessary fittings such as bends, shoes etc. including testing of pipes and joints and jointed with adhesive solvent cement including cost of all materials.</p>	30.00	315.00	Rmt	9450.00
54	<p>Providing laying and jointing in true line and level 15mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent 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.</p>	50.00	84.90	Rmt	4245.00
55	<p>Providing laying and jointing in true line and level 25mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings make PRINCE / SUPREME / ASTRAL / FINOLEX or equivalent 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.</p>	150.00	107.00	Rmt	16050.00

56	Providing & fixing ready made PVC water tight storage tank made from linear low density polyethylene & low density polyethylene LDPF product confirming to I.S.10146-1982 with cover including providing & fixing one 20MM dia float valve, ball cock, one 20MM dia. dia G.I. Over Flow Pipe of length upto 0.3Mtr including making all connection for inlet/outlet supply with necessary 1000 Litres Capacity.	2000.00	4.60	Ltr	9200.00
57	Providing and laying (Two level or slopes) and jointing with stiff mixture or cement mortar in proportion 1:1, salt glazed stone ware pipes following nominal internal diameter including testing of pipes and joints etc. complete. (A) 100 mm dia.	50.00	164.00	Rmt	8200.00
58	Providing and laying (Two level or slopes) and jointing with stiff mixture or cement mortar in proportion 1:1, salt glazed stone ware pipes following nominal internal diameter including testing of pipes and joints etc. complete. (B) 150 mm dia.	70.00	234.00	Rmt	16380.00
59	Providing and fixing wash down water closet (European type, W.C. Pan) with integral P or S trap including jointing the trap with soil pipe in Cement Mortar 1:1 (1-Cement : 1-fine sand) (Seal and cover to be measured and paid for separately)(A) vitreous China Pattern :(i) in white colour	3.00	882.00	No.	2646.00
60	Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Black plastic seal and cover.	3.00	336.00	No.	1008.00
61	Providing and fixing 12.5 Litres low level flushing cistern with a pair, of C.I. or Mild brackets, complete with fittings such as lead valve less syphon, 15mm nominal size brass ball valve with polythene float, C.P brass handle unions and couplings for connections, with inlet, outlet and overflow pipes, 40mm dia. porcelain enamelled flush bend including cutting holes in walls and making good the same connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately)(A) Vitreous China (I) In white colour	3.00	2085.00	No.	6255.00
62	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. (A) 100mm x 100mm size P type.	4.00	1332.00	No.	5328.00
63	Providing and fixing screw down bib taps of following size : Brass screw down polished 15mm dia (A) Brass screw down bib tap polished bright 15mm dia.	3.00	216.00	No.	648.00

64	Providing and fixing gun metal check or non return fullway wheel valve 25 mm. Dia	2.00	485.00	No.	970.00
65	Providing & fixing PVC SWR nahni trap IS 14735 for drain -75mm diameter with Jali of the following nominal diameter of self cleansinf design with CI scread down of hiked grating including the cost of cutting and making good the walls.	5.00	351.00	No.	1755.00
66	Providing and fixing brass screw down stop taps 15 mm. Dia	5.00	237.00	No.	1185.00
67	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with briocks having croshing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm intenal dimensions total weight of cover with frame to be not less than 38Kg. (Wt. of cover 23 Kg.) and Wt. of frame 15Kg.) (R.C.C. top slabe with 1:2:4 mix (1-cement :2- coarse sand :4-graded stone aggregate 20mm size) foundation concrete 1:5:10 inside plaster 15mm thick with cement mortar 1:3 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(ii) Inside dimensions 500mm x 700 mm and 450mm deep for pipe line with one or two inlets.	4.00	3246.00	No.	12984.00
68	Providing and fixing Urinal or approved quality including conecting the Urinal with waste pipe , tap etc. complete.(A) White earthenware flat back or corner type size 430mm x 260mm x 350mm.	3.00	658.00	No.	1974.00
69	Providing and fixing wash basin with single hole for pillar tap with C.I. Or M.S. brackers painted white including cutting holes and making good the same but including fittings as per R & B SOR :23.127+23.135+23.95+23.96 (A) Vitreous china (I) in white or colour	3.00	1620.50	No.	4861.50
70	Providing and fixing 600 mm. X 450 mm. Bevelled edge mirror of superior glass mounted on 6 mm. Thick A.C, sheet or plywood sheet and fixed to wooden plugs with C.P. brass screws and washers	3.00	582.00	No.	1746.00
71	Drilling of borewell of 165mm dia by machine in all kind of soil sand clay murrum soft rock & hard rock etc completed truely vertical with all equipments and labours etc completed as directed by E.I.C -A				
A	Do as above 0 to 150.0 mt depth	150.00	195.00	Rmt	29250.00
B	Do as above 151 to 180.0 mt depth	30.00	247.00	Rmt	7410.00
C	Do as above 181 to 210 mt depth	20.00	312.00	Rmt	6240.00

72	Providing fixing & lowering heavy duty 10 kg/cm ² PVC casting pipe suitable for 165mm dia borewell including necessary coupling connector solution etc completed as directed by EIC	30.00	338.00	Rmt	10140.00
73	Providing and fixing, installation and lowering of strainer PVC pipe with 35mm dia including all labour and material cost of item etc completed.	200.00	121.00	Rmt	24200.00
74	Providing and joining the flat copper cables sufficient for 2.0 H.P pump set etc completed as directed by EIC. 25MM flat cable	250.00	130.00	Rmt	32500.00
75	Providing & fixing Top cap for 150mm dia pipe with clamps sockets & other accessories required for completed the jobs as directed by EIC.	1.00	585.00	No.	585.00
76	Providing & fixing panel boards of teak wood or metal box of size 1.5mm x 1.8mm with a main fuse connection, amp. meter, V meter 30 amp, 3 phase preventor cum water level guard male and female type socket 3 phase indicator lamps and toggle switch etc, including all wiring/ earthing complete as directed.	1.00	7150.00	No.	7150.00
77	Providing and Fixing single phase 2 H.P submersible pump with make brand- amrut - jagdish -varun-Jyoti etc & lowering in side bore well with connection cable and for HDPE pipe & etc completed all respected to & to give testing of pump for watering inside of bore to out side.	1.00	8000.00	No.	8000.00
Total					4,329,651.00

In words: Rs. Forty three Lacs Twenty Nine Thousand Six Hundred Fifty One Only

**Superintending Engineer (City)
Circle Office, Rajkot**