

Name of Work :-					
Repairing & Renovation of Collector Office Building at Valsad (False Ceiling Work, Flooring Work, Door Window Repairing and Miscellaneous Work) Ta. Dist: Valsad					
<u>Bill of Quantities</u>					
(A) Percentage Rate Tender (Up to INR 50 Cr.)					
Memorandum showing items of work to be carried out					
Item No.	Item of work	Quantity	Unit	Estimated In figure Rs. Ps.	Total Amount according to estimated quantities
1	2	3	4	5	7
1	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift	248.00	Sqmt	48.21	11956.08
2	Demolition and disposal of unserviceable materials with all lead and lift.(i) Lime concrete.	3.00	Cumt	609.26	1827.78
3	Providing and laying water proofing treatment by conventional method including cleaning the slab surface by wire brush as directed including provding first layer of C.M. 1:4 of 40 mm thickness mixed with water proofing compound at rate prescribed by manufacturer, including putting of brick bats of average thickness 40 mm Well immersed in water laid uniformly on first layer of mortar including applying cement slurry @ rate of 0.08 bag/sqm. on fixed layer of brick bats including maintaining necessary slope, in second layer 40 mm thick C.M 1:4 mixed with water proofing compound as directed, including finishing smooth with cement slurry as directed complete.	17.00	Sqmt	945.36	16071.12
4	Dismantling santtary fittings like wash basin, W.C.Pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.	7.00	Nos.	405.65	2839.55
5	Dismentling C.I. pipes G.S.W.pipes abd A.C. rain water pipes with fittings and clamps including stacking the materials with all lead and lift (for any dia, of pipe)	214.00	Rmt.	75.08	16067.12
6	Dismentling doors, windows, ventilators etc. (wood or steel) shutters including chowkhats architraves, holdfasts and other attachment etc. complete and stacking them within all lead and lift.(i) Not exceeding 3 Sq.M. in area.	17.00	Nos.	187.71	3191.07
7	P & L 30x30 cm. Matt Finished Ceramic Tiles 6 mm thick in flooring treads of steps and landing laid on a bed of 12 mm thick cement mortar 1:3(1-cement:3-coarse sand)finishing with flush pointing in colour cement slurry etc. complete. Colour and Shade approved by Engineer-In-Charge	17.00	Sqmt	970.07	16491.19
8	Providing and laying coloured glazed tiles of the size 300 mm x 200 mm x 8 mm / 300 mm x 450 mm x 8 mm in skirting, risers of steps and dedo on 10 mm. thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry.	23.00	Sqmt	1441.22	33148.06
9	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.	30.00	Rmt.	72.65	2179.50

10	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.	50.00	Rmt.	91.84	4592.00
11	Providing laying and jointing in true line and level 40mm dia. U.P.V.C. Pipe (SCH- 40) for cold water including fittings as approved by Engineer In Charge. Pipe shall be fixed on the wall with the help of clamp at every two metre C/C or shall be 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.	50.00	Rmt.	148.12	7406.00
12	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.	40.00	Rmt.	195.67	7826.80
13	Providing erecting and fixing double coated (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	5000.00	Ltr.	3.95	19750.00
14	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (ii) 50mm dia.	6.00	Nos	189.84	1139.04
15	Providing, laying and jointing in true line and level 75 mm dia. UPVC SWRType B pipe conforming to IS 13592-1992 with one end plain and other end socketed with rubbering and fitting 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 at every 2000 mm c/c or shall be concealed in walss 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.	36.00	Rmt.	698.92	25161.12
16	Providing, laying and jointing in true line and level 110 diametre 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 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.	48.00	Rmt.	836.73	40163.04
17	Providing and fixing in PVC SWR cowl vent 75mm dia to pipes.(B) 75mm dia.	6.00	Nos	15.66	93.96
18	Providing and fixing in PVC SWR cowl vent 110mm dia to pipes.(B) 110mm dia.	6.00	Nos	28.79	172.74
19	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 sread down or hinged grating including the cost of cutting and making good the walls.	4.00	Nos	571.08	2284.32
20	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	8.00	Nos.	186.83	1494.64
21	Providing and fixing brass screw down stop tap.(A) 15mm dia.	10.00	Nos	205.83	2058.30
22	Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (i) 15mm dia.	10.00	Nos	308.73	3087.30
23	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	6.00	Nos	1303.71	7822.26

24	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 nom.nal 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	4.00	Nos	2344.42	9377.68
25	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.	8.00	Nos	1036.27	8290.16
26	Providing and fixing Urinal of approved quality including connection with trap and with integral longitudinal flush pipe.(A) Squating plate pattern white earthenware 550mm x 300mm.	8.00	Nos	1550.99	12407.92
27	Providing and fixing plastic seat and cover for wash down water closer with C.P. brass hinges and rubber buffers. (B) Plastic seal and cover.	12.00	Nos	291.33	3495.96
28	Providing and fixing Jet spray heavy duty with S.S. Braided hose 60 cm long with wall hook and other accessories etc. completed	12.00	Nos	355.52	4266.24
29	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 including pillar tap, Brass waste, stop cack , bottle trap and M I fisher union fittings :(ii) Flat back wash basin 500mm x 400mm size including all necessary fittings etc complete shade and pattern as approved by Engineer in charge.	4.00	Nos	1961.83	7847.32
30	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 pluge with C.P. brass screws and washers.	8.00	Nos	833.73	6669.84
31	Removing dry or oil bound distemper by a washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete.	295.00	Sqmt	11.30	3333.50
32	Removing dry or oil bound distemper by a washing and scraping and sand papering the ceiling surface smooth including necessary repairs to scratches complete.	340.20	Sqmt	12.90	4388.58
33	Applying two coats of putty & two coats of primer of approved brand and manufacture on new wall surface to give an even shade including thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth.	635.20	Sqmt	40.59	25782.77
34	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.	295.00	Sqmt	80.35	23703.25
35	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated ceiling surface to give an even shade including throughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	340.20	Sqmt	85.76	29175.55
36	Painting Two coats (excluding priming coat) on previously painted steel and other metal surface with enamel paint, brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter.	160.00	Sqmt	94.82	15171.20
37	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" 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.	207.60	Sqmt	1073.13	222781.79
38	Providing & Fixing in position standard extruded approved colour anodised Aluminum Ventilator with outer frame 65 x 25 mm Stander Box Frame with 5mm thick Ground Glass Louvers and Fixed Mosquito Net For ventilation including all required materials, fixtures, fastenning, labours and equipments as per detailed drawing as directed. For Ventilators V,V1	3.00	Sqmt	2049.29	6147.87

39	Providing and fixing 35 mm thick flush door Single shutter, solid core with Shutter of Factory made & Stamped I.S 12823 Grade one ,Type one ,melamine faced three layred resin Flushed Door Having Decorative Lamination on both sides & 12 mm T.W.Beading Around the Door,FROM HOLDING LICENCE FOR MINIMUM 5 YEARS .and stainless steel handle and necessary Locking system of Godrej, zinc coated hinges ,fixtures & fastenings etc directed by engineer in charge.D2	67.00	Sqmt	3157.26	211536.42
40	Providing and fixing FRP frame size 100 x 50 mm and 35 mm thick FRP depress panel Single shutter having extra reinforcement on sides & edges in Gel coat finish.The core of the shutter & frame is to be filed up with injected fire retradat grade polyurethane foam done in situ along with embeded wooden pieces for stiffening & also taking hinges & fintures.The whole FRP frame & shutter is to be waterproof, weatherproof ,termite proof & resistance to mild acid/alkali.Rates are to be inclusive of S.S hinges with necessary screws & alluminum fixtures & fastenings & fartener sleeve.Colour and Shade approved by Engineer-In-Charge. D3	19.00	Sqmt	2547.22	48397.18
41	Providing and fixing Mirror polished 18 mm thick Granite stone in Single piece with full round edge and polished of approved quality in clading on Cill & Jambs and around the doors/ windows/ ventilation with 12 mm thick cement motor CM (1:4) and fixing with cement slurry & adhesive including moulding of exposed edges as directed by engineering in charge etc. complete.	62.00	Sqmt	2966.37	183914.94
42	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 precast RCC cover 455mm x 610mm intenal dimensions with frame (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.	8.00	Nos	3208.77	25670.16
43	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.(i) Inside dimensions 500mmx 700mm and 450mm deep for single pipe line.	10.00	Nos	3916.78	39167.80
44	Extra over items for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(i) for 455mm x 610mm size.	8.00	Nos	242.39	1939.12
45	Extra over items for every additional depth of 0.1M. of part thereof beyond 450mm depth for Brick masonry chamber.(i) for 500mm x 700mm size.	10.00	Nos	264.86	2648.60
46	Providing laying (to level or slopes) and jointing reinforced concrete Light duty non-pressure pipes I.S. class NP2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete.(D) 300mm	120.00	Rmt.	665.48	79857.60
47	Providing and fixing S.W. gully trap with C.I. grating brick masonry chamber and water tight C.I. cover with frame of 300mm x 300mm size (inside) with standard weight (i) Square mouth traps (B) 150mm x 100mm size P or R type	10.00	Nos	1246.92	12469.20

48	Providing and fixing eco-friendly light weight calcium silicate false ceiling tiles having Tegular edge & 15 mm Thick Densified edges on the Tile Periphery for Extra Strength The Light weight calcium silicate ceiling tiles shall have , light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity 0.043° w/m KC. for the best thermal Insulation . The Light weight calcium Silicate tile shall be of approved texture Fine fissured/ Spintone / Cosmos having NRC value of 0.5 & Globe having NRC value of 0.75 NRC or equivalent of size 595 X 595 mm to be laid on true horizontal level suspended inter locking metal grid of hot dipped galvanized steel sections (galvanizing @120 grams per sqm including both side) consisting of main 'T' runner suitably spaced at joints to get required length and size of 24X38mm made from 0.30 mm thick (minimum) sheet, 1200mm centre to centre, and cross 'T' of size 24X28mm made out of 0.33mm (Minimum) sheet spaced 1200mm along spaced between main 'T' at 600mm centre to centre to form agrid of 1200X600mm and secondary cross 'T' of length 600mm and size 24x28mm made of 0.30 mm thick (Minimum) sheet to be interlocked at middle of the 1200X600mm panel to form grid of size 600X600mm resting on periphery walls/partitions on a perimeter wall angle pre-coated steel of size (24X24X3000mm made of 0.40mm thick (minimum) sheet with the help of rawl plugs at 450mm centre to centre with 25mm long dry wall screws @ 230mm interval and laying 15mm thick Densified edges light weight calcium silicate ceiling tiles of approved texture (Fine Fissured/Cosmos/Spintone) in the grid including, cutting /making opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc., wherever required, Main 'T' runners to be suspended from ceiling using G.I. slotted cleats of size 25X35X1.6mm fixed to ceiling with 12.5mm dia and 50mm long dash fasteners, 4mm G.I. adjustable rods with galvanized steel level clips of size 85X30X0.8mm, spaced at 1200mm centre to centre long main 'T' bottom exposed with 24mm of all T-sections shall be pre-painted with polyester baked paint, for all heights, as per specifications, drawings and as directed by engineer-in-charge. Note:- Only calcium silicate false ceiling area will be measured from wall to wall. No deduction shall be made for exposed frames/opening (cut outs) having area less than 0.30 sqm. The calcium silicate ceiling tiles shall have NRC. Value of 0.50 (Minimum) for Fine fissured/Spintone/Cosmos and 0.75 NRC for Globe, light reflection 85% non-combustible as per B.S. 476 part IV, 100% humidity resistance and also having thermal conductivity. 0.043° w/m KC. for the best thermal Insulation	196.00	Sqmt	1648.96	323196.16
49	Removing, Repairing and Refixing Old existing wooden door shutter including repairing the shutter/frame using Randha machine and replacing old fixture and fastening with new SS 304 grade fixtures like 3 Hinges, 1 Stoppers, 1 Aldrop , 2 Handle & 1 lock etc. and as directed by engineer in charge etc comp.	40.00	Nos	1808.91	72356.40
50	Removing, Repairing and Refixing Old existing wooden window shutter including repairing the shutter/frame using Randha machine and replacing old fixture and fastening with New Glass and SS 304 grade fixtures like 3 Hinges, 2 Stoppers , 2 Handle etc. and as directed by engineer in charge etc comp.	48.00	Nos	1380.67	66272.16
				Total	1677088.36
In Words Sixteen Lakh Seventy Seven Thousand Eighty Eight Rupees And Thirty Six Paise Only.					

I/We am /are willing to carry out the work at.....% above/below percent (should be written in figures and words) at the estimated rates mentioned above amount of my/your tender works out as under.

*Estimated Amount		*Estimated Amount	
put to Tender Rs.	1677088.36	put to Tender Rs.	1677088.36
Deduction % below.....		Add % above Rs.	
Net Total Rs.		Total Rs.	
In words.		In words	
.....		
Note:-			
1	The Credit Value of Dismantled Materials of Amount Rs.9096.00 (In Words Nine Thousand Ninety Six Rupees And Zero Paise Only..) shall be recovered from the 1st Running Bill of the Contractor.		
2	The Contractor shall be exhibit board as per government circular No.BDG/3277/1657 N dated 26/01/1997 S (M.GUJ) with detailed specification and details of work and amount Involved at site without any payment as directed by Engineer-In-Charge.		
3	All work shall be carried out as per public work department hand book and other specifications of Division or as directed.		
4	All columns in the Schedule should be filled in ink & the total of the entries in the last column should be struck by Contractor under his sign.		
5	Rates quoted include clearance of site (Prior commencement of work and its close) in all respects and hold good for work under all condition, site, moisture/ weather etc.		

6	The Boards stating the detailed specification & details of Work shall be provided by the contractor as per Government Resolution T.No.1890-240- Dtd.18/11/1990 and directed by contractor at his own cost immediately on recommending the work order.
7	Testing of Material Shall be done as per the statement attached with specification, The material IS Tested in GERI by Executive Engineer Surat and Bill for the testing charges shall be paid by Executive Engineer, 1% of the Amount put to Tender.
8	1% of the Construction Cost Shall be deducted from the bill Amount of the contract as per the Buildig and other Construction works walfare cess at 1996(Labour and Employment Department Letter No CWA-2004-1831-M(3) Dated 9/12/2005 notification Of Labour & Employment department dt.03/01/2005 & Labou & Employment Department Letter no GWA/2004-841M(B) Dt 14/12/2005 & Dt.30/1/2006.
9	In Case of RCC items Where there is a change in Grade of Mix or Change as per Actual Mix design the cost of difference of Cement Difference shall be deducted from the rate of original item at the rate of star rate mentioned in the tender.
10	Contractor are advised to visit site before loading tender rate.
11	Necessary wiring point and drainage point are installed at Site however any modification in electrical installation and drainage & water supply connection and minor correction to perform experienced in Lab shall be done by contractor at his risk and cost.
12	The Rates are inclusive of all the taxes (Excluding GST), Transport Charges, Octroi duty and storage Charges up to date.
13	The materials Covered for wiring should be got approved from the Engineer Incharge of the work.
14	GST and Income tax TDS will be deducted at a source while making payments of bills.
15	GST will be paid extra as per Govt. amendment.
16	The Materials on the work shall have to be used and carried out as specified in technical note.
(A)	I/We hereby Declare that I/we have Visited the site and fully Exquisite myself/ourselves with the local situation regarding materials, Labour and other factors pertaininf to work before submitting tender.
(B)	I/We hereby Declare that I/we have carefully Studied the condition of Contracts, Detailed Specification and other tender Document of this work and agree to execute the same accordingly.

Signature of Bidder

**Deputy Executive Engineer
Valsad (R&B) Sub-Division
Valsad**

**Executive Engineer
Valsad (R&B) Division
Valsad**