

Name of work :-					
Repairing work in Samras Girl's Hostel at Vesu, Surat, (Repairing Toilet, Bathroom, Ductline, Flooring, Motor and Other misc.work)					
<u>Bill of Quantities</u>					
(A) Percentage Rate Tender (Up to INR 50 Cr.)					
Item No.	Item of work	Quantity	Unit	In figure Rs. Ps.	Amount
1	2	3	4	5	7
1	Dismantling tiled of stone floors laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift	572.00	Sqmt	50.11	28662.92
2	Dismantling sanitary fittings like wash basin, W.C.Pan Indian and European type, flushing tank etc. including stacking the materials with all lead and lift.	236.00	Nos.	425.93	100519.48
3	Dismantling 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)	5400.00	Rmt.	78.51	423954.00
4	Dismantling 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.	88.00	Nos.	197.09	17343.92
5	Removing the scrapping of old deteriorated plaster of any thickness from wall/Rcc member including stacking of serviceable material and disposal of unserviceable material from site of work with all lead and lift.	633.60	Sqmt	20.55	13020.48
6	Providing 20 mm thick Water proof cement plaster for sunk in single coat on brick / concrete wall for interior plastering up to floor two level finished even and smooth (ii) cement mortar 1:3 (1- cement, 3 sand) and mixing waterproofing materials of approved brand and manufacture in cement mortar in proportion recommended by the manufacture for All floor.	634.00	Sqmt	482.78	306082.52
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	307.00	Sqmt	960.42	294848.94
8	Providing erecting and fixing double coated Syntex PVC. (ISI) water tank of required capacity each with all necessary fittings and connection etc. complete on terrace.	10000.00	Lit	3.95	39500.00
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.	1540.00	Rmt.	72.65	111881.00

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.	1540.00	Rmt.	91.84	141433.60
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.	800.00	Rmt.	148.12	118496.00
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.	610.00	Rmt.	195.67	119358.70
13	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete.[A] 15 mm.	720.00	Rmt.	170.36	122659.20
14	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 25 mm.	720.00	Rmt.	253.82	182750.40
15	Providing and fixing concealed center point to wall ceiling & floor CPVC (SDR 13.5) PIPE having National Sanitation Foundation (NSF) seal for potable water of following dia. nominal bore tube fittings and clamps including making good the wall, ceiling and floor etc. complete. [C] 40 mm.	560.00	Rmt.	447.72	250723.20
16	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (ii) 50mm dia.	8.00	Nos	189.84	1518.72
17	Providing, laying and jointing in true line and level 160 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 160 mm diameter x 210 mm length x 196 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.	240.00	Rmt.	834.38	200251.20
18	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	50.00	Rmt.	678.02	33901.00

19	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 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.	480.00	Rmt.	740.33	355358.40
20	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.	480.00	Rmt.	878.57	421713.60
21	Providing and fixing in PVC SWR cowel went 75mm dia to pipes.(B) 75mm dia.	8.00	Nos	15.66	125.28
22	Providing and fixing in PVC SWR cowel went 110mm dia to pipes.(B) 110mm dia.	8.00	Nos	28.79	230.32
23	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.	256.00	Nos	599.64	153507.84
24	Providing and fixing screw down bib taps of following size.(B) Brass chromium plated screws down Bib Tap. (i) 15mm dia.	472.00	Nos.	186.83	88183.76
25	Providing and fixing brass screw down stop tap.(A) 15mm dia.	452.00	Nos	205.83	93035.16
26	Providing and fixing pillar tap, capstan head, screw down high pressure with screws, shanks and back nuts. (i) 15mm dia.	112.00	Nos	308.73	34577.76
27	Provision and fixing water closet squatting orissa type W.C. pan size 580mm integral footrest and 100 mm P or S trap and in cluding 25 mm dia CP brass flush valve and GI inlet connection etc. comp. (A) Vitreous china long pattern white or colour	216.00	Nos	1647.31	355818.96
28	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(ii) 25mm dia.	216.00	Nos	263.77	56974.32
29	Providing and fixing G.I. inlet connection for flush pipe with W.C. Pan	216.00	Nos	46.44	10031.04
30	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.	20.00	Nos	1988.71	39774.20
31	Providing and fixing West Pipe for Wash basin including all necessary fittings etc complete	92.00	Nos	50.50	4646.00
32	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	2.00	Nos	1246.92	2493.84

33	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm2 in C.M. 1:5 precast RCC cover 455mm x 610mm internal dimensions with frame (R.C.C. top slab 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.	1.00	Nos	3208.77	3208.77
34	Constructing brick masonry chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm2 in C.M. 1:5 C.I. cover with frame (Light duty) 455mm x 610mm internal 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 slab 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.	1.00	Nos	3916.78	3916.78
35	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.	1.00	Nos	242.39	242.39
36	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.	1.00	Nos	264.86	264.86
37	Providing average 20 mm thick single coat polymer plaster by removing deteriorated plaster over RCC member, like column, beam, slab etc. exposing existing reinforcement including scraping by wire brush, applying rust removing chemical, rust convertor and zinc rich primer on existing reinforcement, applying polymer bonding agent on existing concrete surface including plastering in CM 1: 3 in single coat including standard quality (Dr, fixit or any equivalent brand) curing compound agent and finishing with floating coat of neat cement slurry adding Polyalk Fix Prime polymer chemical as per directed by Engineer - in - charge for all floors.	1052.00	Sqmt	541.36	569510.72
38	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.	54.00	Sqmt	90.37	4879.98
39	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.	6930.00	Sqmt	83.36	577684.80
40	Wall painting (two coats) with plastic emulsion paint of approved brand and manufacture on undecorated ceiling surface to give an even shade including thoroughly brushing the surface free from mortar droppings and other foreign matter and sand papered smooth.	2183.00	Sqmt	89.04	194374.32
41	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.	123.00	No	1808.91	222495.93

42	Removing and Refixing Old existing FRP Door Aldrop, Stoppers, Hinges & Handle etc. including Labour Charge and fixture and fastening as directed by engineer in charge etc comp.	40.00	No	635.29	25411.60
43	Removing, Repairing and Refixing Old existing Main wooden door shutter including fixing New Pivot and Floor Spring repairing the shutter/frame using Randha machine and replacing old fixture and fastening with new SS 304 grade fixtures like 6 Hinges, 2 Stoppers, 1 Aldrop , 2 Nos. 30cm Handle & 1 lock etc. and as directed by engineer in charge etc comp.	5.00	No	7830.53	39152.65
44	Removing, Repairing and Refixing existing Alluminium window frame with glass of all size shutter/frame, replacing all old Mosquite Net fixtures with & New Mosquite Net with new locks, screws etc. including repairing the shutter/frame with Rates includes all labour charges for removing, repairing & refixing the window, all materials, transport cost, taxes etc.and as directed by engineer in charge etc complete.	80.00	No	808.00	64640.00
45	Removing, Repairing and Refixing existing Alluminium fix ventilation frame with glass of all size shutter/frame, replacing all old Mosquite Net , fixtures & New Mosquite Net with new locks, screws etc. including repairing the shutter/frame with Rates includes all labour charges for removing, repairing & refixing the Ventilation, all materials, transport cost, taxes etc.and as directed by engineer in charge etc complete.	80.00	No	439.35	35148.00
46	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.	230.40	Sqmt	1092.37	251682.05
47	Providing and laying Vitrified tiles 8 to 10 mm thick , 24" x 24" in skirting risers of steps and dedo on 10mm thick cement plaster 1:3 (1-cement : 3-coarse sand) and jointed with white cement slurry	34.60	Sqmt	1135.80	39298.68
48	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.Beadng 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	38.00	Sqmt	3157.26	119975.88
49	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 polyurethene 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. D4	114.00	Sqmt	2547.22	290383.08
50	Providing and fixing 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.	198.00	Sqmt	2379.56	471152.88

51	Constructing brick masonry Grease chamber for underground C.I. Inspection chamber and bends with bricks having crushing strength not less than 35Kg. Cm2 in C.M. 1:5 Two C.I. cover with frame (Light duty) 980mm x 660mm internal 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 slab with 1:2:4 mix (1-cement :2- coarse sand :4- graded stone aggregate 20mm size) foundation concrete 1:2:4 inside plaster 15mm thick with cement mortar 1:4 finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete.(i) Inside dimensions 910mmx 610mm and 450mm deep for Three pipe line. as per directed by Engineer-in-charge.	1.00	Nos	4740.94	4740.94
52	Providing & erecting open well horizontal mono block pump set with cast iron body, complete for three phase submersible motor having [C] For 3 HP 3 phase open well horizontal mono block pump set suitable for 85 LPM to 270 LPM @ 11 mtr to 33 mtr head suitable for 50/65 mm dia delivery pipe Cat.II	2.00	Nos	18498.15	36996.30
53	Providing & erecting open well horizontal mono block pump set with cast iron body, complete for three phase submersible motor having [I] For 20 HP 3 phase open well horizontal mono block pump set suitable for 1750 LPM to 1150 LPM @ 33 to 51 MTR head suitable for 65 /80 mm dia delivery pipe Cat.II	3.00	Nos	56060.05	168180.15
54	Supplying & erecting approved make motor control cubical panel [Star delta] made from 16G CRCA sheet duly epoxy powder painted inside and outside with hinged doors and locking with suitable size of ON - OFF isolator (AC 3 / 23 duty) main fuses. Digital volt and current meter (in a single unit) with micro controller based control unit and current sensing single phasing preventer electronic overload protection, over voltage (Programmable) protection and under voltage (Programmable) protection, prod less dry run protection programming facility for setting of all parameter like overload current, high voltage limit, low voltage limit, dry run limit with digital indication on seven segment LED display for any fault like over load, high voltage, low voltage, dry running single crimped, electronic star delta timer, feather touch start / stop push buttons to be erected on angle iron frame. Grouted on wall the contactors will be of L& T, Siemens , BCH make only) (A) S/D up to 7.5 H.P.	6.00	Nos	13182.52	79095.12
55	Supply, installing, testing and commissioning of Normax make CI heavy duty ball type foot valve with flanges, nut bolts, gaskets etc. with necessary complete accessories. 50mm dia.	1.00	No	3535.00	3535.00
56	Drilling in soil with lowering of pipes concrete sealing including gravel packing clay breaking and development of bore with air compressor by required capacity vertical test etc. complete including the cost of benimeter 250mm dia.	80.00	Rmt.	545.40	43632.00
57	Supplying slotted PVC pipes of approved quality at site of work confirming to IS. 1239/1974 180mm dia.	30.00	Rmt.	555.50	16665.00
58	Supplying PVC plain pipes of approved quality at site of work confirming to IS. 1239/1974 180mm dia.	50.00	Rmt.	494.90	24745.00
59	Providing and erecting ISI marked PVC insulated PVC Sheathed Flat flexible Submersible copper cable approved make of following Size. (B) 3 Core x 2.5 Sq. mm.	130.00	Rmt.	121.20	15756.00
60	Supplying submersible pump set suitable for bore of 150 mm. dia. or more having three phase motor capacity not more than 7.5 H.P. with following capacity .. (B) (8 stage) 390 to 350 LPM discharge at 62 to 70 mtrs. head respectively suitable for 50mm dia. delivery pipe Cat.III	3.00	No	32996.70	98990.10

61	Lowering of submersible motor pump set at the depth of following ,complete with required. Nos. and size of casing pipes erected by means of proper chain pulley block & pipe wrenches after checking of threads of each pipe with coupling to take the load of the pump set and pipe assembly filled up with water (B)Above 60 mtrs. and Up to 120 mtrs.	3.00	Per job	3030.00	9090.00
62	Providing and fixing to wall ceiling and floor HDP pipes tubes (medium grade) of the 50mm nominal bore, tube, fittings and clamps include. Making good the wall ceiling and floor.(F) 50mm dia.	80.00	Rmt.	90.90	7272.00
63	Providing and fixing gun metal cock of non return full way wheel valve.(F) 50mm dia	1.00	No	959.50	959.50
					7546456.24
Rupees Seventy Five Lakh(s) Forty Six Thousand Four Hundred Fifty Six And Paise Twenty Four 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.	7546456.24	put to Tender Rs. 7546456.24
Deduction % below.....		Add % above Rs.
Net Total Rs.		Total Rs.
In words.		In words
.....	

Note:-

1	The Credit Value of Dismantalled Materials of Amount Rs.72054.00 (Rupees Seventy Two Thousand Fifty Four 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 & detailes of Work shal 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 pertaininfg 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
Surat (R&B) Sub-Division No. 1
Surat**

**Executive Engineer
Surat (R&B) Division No.1
Surat.**