

PROVIDING & FIXING TWO STAINLESS STEEL TOILET BLOCK WITH NECESSARY INFRASTRUCTURE AT ANY PLACES IN GUJARAT

Sr. No.	Description	Qty	Unit	Rate	Amount
1	Supply and erection of various place in Gujarat of stainless steel six seaters modular toilets including required Soil testing, foundation & plinth (excavation, filling, pcc, rcc, anti termite & reinforcement etc.) structural design for foundation & plinth with exterior container size 20 feet x 8ft x 8ft made of second hand auctioned container. Inside wall cladding in combination of stainless steel grade 304 + 2 numbers of 500 Ltr overhead plastic tank + 2 numbers of wash basin made of SS 304 + 6 number of coat hook + 2 numbers of mirror + 2 numbers of soap dish + 6 numbers of exhaust fan + 6 numbers of CFL lights. Complete as per design including transportations charges.	2	Nos.		
2	Supply and erection of stainless steel six seaters modular male toilets of various place in Gujarat including required soil testing, foundation & plinth (excavation, filling, pcc, rcc, anti termite & reinforcement etc.), structural design for foundation & plinth with exterior container size 20 feet x 8ft x 8ft made of second hand auctioned container. Inside wall cladding in combination of stainless steel grade 304 + 3 numbers of W. C. made of SS 304 + 6 number of urinals + 2 numbers of 500 Ltr overhead plastic tank + 2 numbers of wash basin made of SS 304 + 6 number of coat hook + 2 numbers of mirror + 2 numbers of soap dish + 6 numbers of exhaust fan + 6 numbers of CFL lights. Complete as per design including transportations charges.	2	Nos.		
3	Providing and fixing 1.5 HP mono block submersible pump set including starter & pannel etc .complete as directed.	2	NOS		
4	Providing & constructiing under ground water tank including excavation, PCC , RCC with inside plaster, water proofing treatment, RCC slab with FRC manhole cover etc. complete as per drawings & design.	20000	litre		
5	providing erecting and fixing double coated syntex P.V.C (ISI) water tank of required capacity each with all necessary fitting and connection etc. complete on terrace.	2000	litre		
6	PLUMBING WORK : Providing, fixing, testing and commissioning of uPVC SWR grade (self fit) type B Pipe ISI marked brand as per IS:13592-1992, 6 kg/sq cm complete conforms to IS:14735-99 and fittings dimensions as per DIN 19531 and DIN 19534 and clamps (Chilly or equivalent make) including cutting and making good the walls to the satisfaction of Project Manager and The scope also includes fixing waste pipes to the floor with concrete (1:2:4) bedding for full length and ceiling with necessary clamps, supports, connections, protecting fittings and pipes till the final handing over etc. as per drawings, specifications and as directed by the Project Manager for all leads, depth / heights. (Astral/Ashirvad/Supreme) PVC SWR pipes IS 13592 for Drain - 75 mmdia	40	Rmt		
7	PVC SWR pipes IS 13592 for Drain - 110 mmdia	40	Rmt		
8	Supplying and fixing in position uPVC SWR of the following dia and types of approved quality confirming to BIS and providing leak proof joints including fixing to the walls and giving connection to the PVC soil stacks, dismantling the masonry or RCC works and re-doing the dismantled portion to original condition etc., complete complying with standard specifications. PVC SWR Single Y" - 75 mm dia"	20	No		
9	PVC SWR Single Y" -110 mm dia"	20	No		
10	PVC SWR Single T" - 75 mm dia"	20	No		
11	PVC SWR Single T" -110 mm dia"	20	No		
12	PVC SWR Single T" - 75 mm dia With Door"	20	No		
13	PVC SWR Single T" -110 mm dia With Door"	20	No		
14	PVC SWR Reducer 110 x 75	20	No		
15	PVC SWR Piipe clamp 75 mm	20	No		
16	PVC SWR Piipe clamp 110 mm	20	No		
17	PVC SWR Piipe Bend 87.5 degree with door for 75 mm diameter	20	No		

18	PVC SWR Piipe Bend 87.5 degree with door for 90 mm diameter	20	No		
19	PVC SWR Piipe Bend 87.5 degree with door for 110 mm diameter	20	No		
20	PVC SWR Coupler 75 mm dia	20	No		
21	PVC SWR Coupler 110 mm dia	20	No		
22	PVC SWR Piipe Bend 45 degree 75 mm dia	20	No		
23	PVC SWR Piipe Bend 45 degree 110 mm dia	20	No		
24	PVC SWR Piipe Bend 87.5 degree with door for 75 mm diameter	20	No		
25	PVC SWR Piipe Bend 87.5 degree with door for 110 mm diameter	20	No		
26	Providing and Fixing uPVC cowl of approved and tested quality with necessary arrangements with proper care, protecting fittings and cowl till the final handing over etc. The rate shall include cost of labour, loading and unloading, transportations, scaffolding and all other incidentals charges etc., with all leads and lifts, complete as per specifications, drawings and as directed by the Project Manager. (Astral/Ashirvad/Supreme) PVC SWR Vent Cowl 75 mm dia	4	No		
27	PVC SWR Vent Cowl 110 mm dia	4	No		
28	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.(B) 150mm	60	Rmt		
29	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.	16	Each		
30	Constructing Manhole with R.C.C. top slab in 1:2:4 mix (1-cement :2-coarse sand : 4-graded stone aggregate 20mm nominal size) foundation concrete 1:3:6 mix (1-cement : 3- coarse sand :6- Brick bats 40 + 50mm size) inside plastering 15mm thick with Cement Mortar 1:5 (1-Cement : 5-coarse sand) finished with a floating coat of neat cement and making channels in cement concrete 1:2:4 mix (1-Cement :2-Coarse sand :4- stone aggregate 20mm nominal size) finished smooth complete including curing and festing (i) Inside size 900mm x 1200mm and 1.5M. deep including C.I. cover with frame size 560mm diameter total weight of cover and frame to be not less than 128 kgs. (Wt. of cover 64 Kg. and Wt. of frame 64 Kg.)(A) With 230mm thick walls of brick msonry using brick having crushing strength not less than 35Kg. / Sq.cm. in Cement Mortar 1:5 (1- Cement: 5-Coarse sand) (1) A type depth 0.90 Metre for 150mm diameter sewer.	8	Each		
31	Constructing Brick masonry road gully chamber 500mm x 450mm x 600mm including 500mm x 450mm C.I. horizontal grating wih frame complete.	6	Each		
32	(B) Providing sock pit of 5.00 Cu.M. Volume including excavating and filling brickbats with dry masonry work at top for 45cm. height including covering the top with stone including providing vatas in C.M. 1:3 with finishing curing etc. complete as directed.	2	Each		
33	a. Earthwork in excavation in foundation trenches in ordinary soil (vide classification of soil item-A) and disposal of excavated earth a obtained to a distance upto 50 M. including all lifts with leveling ramming the foundation trenches removing routes of trees shrubs all complete as per approved design and as per building specification and direction E/I (SEPTIC TANK)	12	M ³		

34	Providing P. C. C. /R.C.C. M-75 with nominal mix of (1:4:8) in foundation and plinth with approved quality of stone metal grade III (53.2 mm to 22.4 mm size) & clean coarse sand of FM 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixture and placing in position, vibrating, striking, curing, tax and royalty all complete job as per building specification and direction E/I(SEPTIC TANK)	12	M ³		
35	Providing P.C.C./R.C.C. M150 with normal mix of (1:2:4) in foundation and plinth with approved quality of stone chips 20mm to 6 mm size graded and clean coarse sand of FM 2.5 to 3 including screening, shuttering, mixing cement concrete in cement mixture and placing in position, vibrating, striking, curing, tax and royalty all complete job as per building specification and direction E/I (SEPTIC TANK)	10	M ³		
36	Providing designation 75 A brick work in C.M. (1:4) in foundation and plinth with approved quality of clean coarse sand of F.M. 2 to 2.5 including providing 10 mm, thick mortar joints, cost of screening materials raking out joints to 15 mm depth, curing taxes and royalty all complete as per building specification and direction of E/I (SEPTIC TANK)	10	M ³		
37	ELECTRICAL WORK : POINT WIRING : Point wiring for secondary light point with 2-1.5 sq.mm & earthwire of 1.5 sq.mm (green) both are of ISI marked 1.1 KV grade FRLS PVC insulated multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling, complete with earth continuity and necessary connection with primary light with accessories erected on Metal / PVC box covered with 3 mm thick PC(Polycarbonet) / Acrylic sheet for open / concealed wiring. with necessary Lamp holder / ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories	4	Pt.		
38	Point wiring in Copper (Modular) 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 multistrand copper wires, in following type of pipe to be erected concealed in/ on surface on wall/ceiling complete with 6A Modular type switch / bell push & accessories and earth continuity of following type, erected on PVC / Metallic box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected, with necessary Lamp holder/ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories Cat. III	8	Pt.		
39	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 multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling complete 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 box, single mounting base frame covered with textured/metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary ceiling rose / H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories Cat-III	2	Pt.		
40	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 multistrand copper wires, in following type of to be erected concealed in / on surface of wall / ceiling complete with Modular type switch & 5 pin Plug erected on PVC / Metallic box covered with appropriate front plate modules erected on / in wall / ceiling as per pipe erected with following type of accessories. [I] For 6A Plug with 2-1.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories Cat-III	2	Pt.		
41	[II] For 16A Plug with 2-2.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories	1	Pt.		

42	Point wiring for Two Way Controlled Light Point 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 multistrand copper wires, in following type of pipe to be erected concealed in / flushed on wall/ceiling ,complete with 6A Modular type switches and following type of accessories erected on PVC / Metallic box, single mounting base frame covered with textured / metallic front plate modules erected on / in wall / ceiling as per pipe erected. with necessary batten/angle holder or ceiling rose or H.D.Connector as directed. (a) with medium class Rigid PVC pipe and accessories Cat-III	1	Pt.	
43	Providing following type of Modular Type Accessories mounted with pvc / metallic box, single mounting base frame covered with textured / metallic front plate , modules erected with necessary connection. As desired by Engineer In charge (1) One No SP 6 Amp or One No. 5 pin plug Cat-III	10	Nos.	
44	(7) Blank Plate Single Cat-III	5	Nos.	
45	Conduits & Pipes 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	50	Mtr.	
46	Mains & Wires 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 (general wiring + in street light) (a) with medium class Rigid PVC pipe and accessories (a) 2 wire 1.5 sq. mm	50	Mtr.	
47	CABLES & ACCESSORIES : ARMoured COPPER CABLES. Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cables. A) 4 Core 4 Sq.mm.	20	Mtr.	
48	Providing and erecting XLPE(IS:7098)(I)-88 ISI armoured cable multistrand Copper conductor for 1.1 KV. to be laid on wall with necessary clamps or in existing trench / pipe at road crossing or floor of following size of cable. b) 3 Core 6 Sq.mm.	250	Mtr.	
49	Solderless crimping type Copper lugs conforming to IS suitable for cable of following size evenly crimped with high pressure tool & connected to switchgear terminals with brass/cadmium plated nut bolts in an approved manner. (A) 1.5/2.5 to 6 Sq.mm	20	Nos.	
50	SWITCHGEARS & DISTRIBUTION BOARDS : MINIATURE CIRCUIT BREAKERS. Miniature circuit breaker single pole 6A to 32A 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	20	Nos.	
51	Providing & erecting 415V MCB Four Pole Switch for Lighting Load (B curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity (a) 6 to 32 Amp. Cat.III	2	Nos.	
52	Providing & erecting 415 V MCB Four Pole for Motor & Inductive Load (C Curve) having 10KA breaking capacity & confirms to IS :8828 in existing box having following capacity(Also consider in general) (c)63 Amp. Cat.III	2	Nos.	
53	MCB DISTRIBUTION BOARDS. Note :- Enclosure should be used of same company of MCB or MCBDP or ELCB Half / One Module Blanking Plate of Standard Size.	4	Nos.	

54	(L) Three phase 6 way SS Double door for single phase outgoing horizontal box	2	No.	
55	SITC of Double door type 12 WAY TPN DB (IP-43,IK-09)WITH METAL DOOR WITH PPI KIT PROVISION	2	No.	
56	EARTH LEAKAGE CIRCUIT BREAKERS. Approved make ELCBs / RCCBs conforming to IS: 12640 and having sensitivity of 30 mA and Short Circuit withstand capacity of 6 KA and suitable for operation on single phase 240 V. having characteristic of quick action & tripping with all advance feature & do not incorporate any electronic component.for following Max. rating erected as directed (i) 25 Amps.DP Cat-II	4	Nos.	
57	(iii) 63 Amps.DP Cat-II	6	Nos.	
58	CEILING FANS AND ACCESSORIS. 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 cms. down rod erected with 24/ 0.2, 3 core flexible wire with earthing. (Havells, Crompton)	4	No.	
59	FAN ACCESSORIES. Supplying and erecting 19 / 20 mm. nominal bore Medium Class M.S. Pipe down rod erected duly painted for fan complete with necessary 24/ 0.2, 3 core flexible wire with earthing.	4	Mtr.	
60	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	4	No.	
61	TABLE FANS, EXHAUST FANS & ACCESSORIES. Supplying & erecting approved make low noise decorative exhaust fan having size 200mm with 1350 RPM with square frame ABS body with inbuilt lowers & square frame.	4	Nos.	
62	LIGHT FIXTURE : Supplying of factory assembled surface mounting mirror lighting fixture with powder coated reflector, similar to Crompton Greaves (or equivalent from approved makes) Mini Mirrorlite with TLN 11 W housing made of ABS Grade PLASTIC, textured methacrylate sheet diffuser with 1 x11 watt CFL fluorescent lamp, capacitor, copper bound low loss polyester filled ballast, rotor holders,housing made of single piece powder coated white CRCA sheet steel etc. as required. (On mirror) Equivalent to GEGECFL 1X11AEW or Philips-FMS 100/111 or equivalent	8	Nos.	
63	Supply, Installation, testing & erecting of wide spread mirror optic recessed/surface mounting fl. fitting with tube with Electronic Ballast with each tube separately with THD less than 10 complete with holder with lead wire and connection and adapter if required with 4X14 watt T5tube (cat III) Equivalent to GE PFR414MIO HF or Philips-TBS869/414 D8 HF or equivalent	8	Nos.	
64	Supply, Installation, testing & erecting of strip type 20W LED lumens 1650 tube light fitting fabricated from (CRCA sheet and finished with powder cpatin/stove enamelled paint)/(extruded non corrosive UV resist EP channel) complete with accessories Equivalent to (GE TCL 1 X 20W LED T8 & equivalent / Wipro PRP LED-LL12-161/65 with fixture WIO801208)	4	Nos.	
65	EARTHING : Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 S.W.G.	1	Kg.	
66	For using salt and charcoal / coke as required for pipe type earthing.	2	Ea.	
67	SINGLE PHASE METER : Providing and erecting single phase meter & its lisioning cost.	2	No.	
68	STREET LIGHT : Supplying & erecting Galvanized iron pipe post "B" class 88.9 mm O.D 4 mtr. Long duly painted with two coats of aluminium paint complete with metallic base plate of 300 mm x 300 mm x 4mm thick for using as a compound light pole with approx. weight 32 Kg.	12	Nos.	
69	POLE FOUNDATION Providing C.I./ M.S. flange type base plate of 300 mm x 300 mm x 6 mm.	12	Nos.	
70	Terminal board of size 5.0 x 127 x 152.4 mm.bakelite sheet with 15 Amp. kitkat pattern porcelain fuse unit with suitable brass studs with nuts, washers and clamps of size 25mm x 3mm suitable for pole painted with one coat of red lead pain	12	Nos.	

71	Providing and erecting cable clamp of 25 mm X 3 mm M.S. flat suitable for fixing 2 Nos.of armoured cable with nuts and bolts. (b) for 114 mm dia. Pole	12	Nos.	
72	Providing M-20 / 1:2:4 cement concrete foundation & 70 % PCC from bottom including excavation for the pole of size 45 x 45 x 100 cms. Deep in below ground level with plinth of 45 cms x 45 cms (or 45 cms dia x 45 cms) high upper ground level with necessary curing and finishing in approved manner. (for 4 & 6 mtr pole)	12	Nos.	
73	POLE BOXES. Supplying & erecting Sintex or approved make SMC press moulded composite FRP (plastic) loop-in, loop-out box complete with bakelite connector strip 4 way & hinged doors having locking arrangements with mounting clamp with nuts, bolts & washers suitable for erection on pole with cable clamps & earth bolt of following size of box. b) 250 mm x 200 mm x 100 mm	12	Nos.	
74	STREET LIGHT BRACKETS. Providing street light pole bracket consisting of Light Class MS.pipe of 4.2 cms. outside dia. complete with suitable M.S. sleeve tubing of approximate 45 cms. and length suitable for 76.5 mm / 80mm. / require size pole top having sufficient fastners for fixing the brackets and having spread of 1 mtr. length with suitable rise as per site condition & suitable welded stiffener reducer and nipple with check nut complete painted with one coat of Red oxide / PU base primer and two coats of Aluminium / PU paint. paint with following nos of arms. [A] Single Arm bracket 1 Mtr	12	Nos.	
75	Supplying, Installation, testing and erecting of approved make of LED Street light luminaire with die cast aluminium housing for effective thermal management with special polycarbonate material with high transmission index for superior light output suitable for 1X15W LED, IP 66 with over voltage, short circuit, over load, silicone gasket complete with all accessories, necessary hardware. The fitting should have flexibility to mount either in horizontal or in vertical position. EQUIVALENT to 1x15W PALM LED STREET LIGHT -GE-GSP015.56p1 or any equivalent	12	Nos.	
76	MISCELLANEOUS. Making trench in soft soil of suitable width of 90 cms deep for laying cable or locating the fault all over the run and back filling the same and making the surface as a normal ground.	250	Mtr.	
77	Covering of cable with second class bricks or cement tiles laid cover the cable crosswise & also on both sides with covering of 7.5 Cms. layer of sand above & below cable	250	Mtr.	
78	Drilling the road without breaking the road surface (Asphalt) for laying of cable for feeding power supply by making upto 150mm dia. size of holes at both ends complete. (A) Up to 100 mm bore dia	20	Mtr.	
79	Providing and erecting iron clad cable route marker duly marked with ELE.CABLE of size 23 cms.X 12 cms. Flushed with ground in cement foundation as directed by Engineer incharge.	20	Nos.	
80	Constructing masonry Chamber inside with 75 second class designation brick work in cement mortar 1:5 (1 cement :5 fine sand) for drainage, with RCC manhole cover and frame with RCC top slab 1:2:4 mix (1 cement:2 coarse sand : 4 graded stone aggregate 20mm nominal size) necessary excavation foundation concrete 1:4:8 (1 cement :4 fine sand : 8 graded stone aggregate 40 mm nominal size) and inside and outside plastering with cement mortar 1:3 (1 cement :3 coarse sand) 12mm thick finished with a floating coat of neat cement complete including using waterproofing compound as per standard design FRP. foot rests including fixing in 20 x 20 x 10 cm cement concrete blocks 1:3:6 (1 cement :3 coarse sand :6 graded stone aggregate 20 mm nominal size): (Electrical chamber) The cover shall be capable to withstand 45 tn load. 450mmX450mmX450mm with heavy duty cover & frame of 300 x 300 mm	4	Nos.	