

Renovation & upgradation of Toilet Block, near Adalaj Vav at Adalaj Dist. Gandhinagar

Sr.No.	Description	Qty	Unit	Rate	Amount
1	Demolition including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift (R.C.C. WORK)	2	CU.M		
2	Demolition of brick work and stone masonry including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.(in cement mortar)	10	cu.m		
3	dismantling tiled of stone floor laid in mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift.	40	sqm		
4	Dismantling door ,window,ventilators etc.(wood or steel) shutter including chowkhats architraves , holdfasts and other attachment etc.complete and stacking them within all lead and lift.(not exceeding 3 sq.m in area.)	18	each		
5	Removing and scraping of old deteriorated plaster of any thickness from wall /.R.C.C member including stacking of serviceable material and disposal of unserviceable from site of work with all lead and lift .	50	sq.m		
6	Providing and laying cement concrete 1:2:4 (1-Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork in (A) Foundation and Plinth	10	Cum		
7	carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification. Using chlorpurfiles 20EC. As per 6131_paret-2 concentration weight one percent is recommended i.e one litre 20EC chemical emulsion with 19 litre give 1 % concentration including of one litre chemical emulsion application at the rate of 5 Litre chemical /sq.m of surface is recommended as per I.S.	40	sqm		
8	Brick work using common burnt clay building bricks having crushing strength not less then 35 kg./sq.cm. in foundation and plinth in cement mortar 1:5 (cement:fine sand) (up to 10 ton)	5	cu.m		
9	Brick work using common burnt clay building bricks having crushing strength not less then 35 kg./sq.cm. in superstructure in cement mortar 1:5 (cement:fine sand) (up to 10 ton)	5	cu.m		

10	Providing 20 mm thick double coat mala cement plaster on interior brick/ concrete work for plastering comprising of base coat of 12 mm thick cement plaster in cement mortar (1 Cement : 4 coarse sand) in rough finishing and 8 mm thick top coat of cement mortar 1:2 (1 Cement : 2 coarse sand) finished with trowel including scaffolding curing etc. complete.	125	sqm		
11	Providing and fixing 150 mm wide, approved quality chicken wire mesh at junction of brick work and RCC work or two dissimilar surfaces, at all heights fixed by nails, rowal plugs or tag by cement mortar 1:3 before applying the plaster, including curing, scaffolding all complete as directed.	5	SQM		
12	Providing 10 mm thick cement plaster (cement finish)in single coat on ceilings for interior plasteing for all floors levels and finished even and smooth finishing with cement slurry and including the water proofing & scaffolding. C.M (1:3) complete.as directed by EIC/Architect (l)cement mortar 1:3(1-cement :3-sand)	28	sqm		
13	20mm thick sand faced cement plaster on wall upto 10metre above ground level consisting of 12mm thick backing coat of C.M 1:3 (cement:sand) and 8mm thick finishing coat of C.M 1:1 (cement:sand).	100	sqm		
14	Applying two coats of Birla or Asian acrylic lapy (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 othr foreign matter and sand papered smooth.	85	sqm		
15	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 as per direction of Engineer-in-charge..	85	SQM		
16	Finishing wall with weather proof exterior emulsion paint on wall surface (two coat) to give an required shape even shade after thoroughly brushing the surface to remove all dirt,and remains of loose powdered materials.etc.complete	100	sqm		
17	providing and laying polished kota stone slab flooring over 20mm (Average) thick base of cement mortar 1:6 laid over and jointing with grey cement slurry including rubbing and polishing etc.complited.	5	sqm		
18	P & L 24" x 24" matt vitrified 8 mm thick tile flooring over 20 mm (average) base of cement mortar 1:6 (1 cement: 6 coarse sand) on new surface or fixing on existing flooring by Bal adhesive material including jointed with color cement slurry including finised with flush pointing & cleaning the surface etc. complete for Anti skid	24	sqm		
19	Providing and laying coloured glazed tiles of the size 300 mm*200 mm*8 mm / 300 mm * 450 mm * 8 mm in skirting , risers of the steps and dedo on 10 mm . Thick cement plaster 1:3 (1 cement : 3 coarse sand) & jointed with white cement slurry .	55	sqm		

20	Providing and laying broken chine mosaic flooring for terrace using 12mm to 20mm broken pieces of glazed tile to be tempered to bring mortar crème out upto surface using white cement including rounding off junctions and extending them upto 15cm along the wall, clearing with water and oxalic acid etc. as directed.	30	sqm		
21	Providing & Laying rough chiseled dressed kotah stone strip flooring in ramp over 20 mm(avg.) base of C.M.(1:5) (1 cement : 5 coarse sand) including pointing with cement mortar (1:2) complete including 10 mm thick wide groove.(A)25 mm thick	5	SQM		
22	Providing & Fixing poilshed kota stone for 60cm deep cupboards as per plan with steel frames and shutters in Bottom Part (Drawer) Seperatly Operatead(Two+ Two Shutter in Each CB) using 18 gauge M.S. steel sheet including necessary fixtures , fastening like locks handles,Aldrop, hinges with approved shade of sparay painting as Directed By Engineer Incharge etc and polished kota stone joints fixed with best quality of adhesive etc. complete.	5	SQM		
23	Providing and fixing water closet squatting Pan (Indian Type W.C pan) size 580 mm (Earthwork , bed concrete , foot reste and trap to be measured and paid for seperately) (A) viterous China . (I) Long pattern = White color	2	Each		
24	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 color	1	Each		
25	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including sutting holes and making good the same but excluding fittings . (A) Viterous China (ii) Flat black washbasin 550 mm x 400 mm size .	4	Each		
26	Providing & fixing Aadit make or equivalent mini liquid soap dispenser size 12.5 cm x 19.2 cm x 12.5 cm including necessary S.S. screws etc. complete as directed by EIC/ Architect	4	Each		
27	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 plugs with C.P. brass screws and washers.	4	Each		
28	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 430 mm x 260 mm x 350 mm.	7	Each		
29	Providing and fixing Mirror polished 18mm thick granite slab in riser, trade, landing, partition fixed in the wall,platform only in single joint fix with cement Mortar beeding 1:3 (1 Cement : 3 Coarse sand) and using and filling the joints with white cement slurry admixed with pigmnet to match the shade of grainite, including moulded of edge etc complete as directed.	8.3	SQM		

30	Providing and fixing flush door both sides laminated and I.T.W. beading all around by using I.T.W. frame 120 m.m. x 80m.m.. shutter fabricated from 35 mm thick solid core malemine faced three layered pre laminated flat pressed wood based exterior grade bonded BWP synthetic resin having stamped IS 12823 grade I type II including three coats of lacquer polishing to exposed wooden surfaces and Stainless steel decorative type designs fixtures / fastening etc.including I.T.W. triangular batten patti of size 30m.m.x30m.m.etc. as per architectural detailed drawing and as directed by engineer in charge.	8.2	sqm		
31	Providing and fixing standared extruded of alluminium section of size 63mm*38.10mm*1.2mm (jindal section :2434,@Wt.0.643 kq/mt) with colour powder coated alluminium frame for ventilation with 5mm thick frosted glass as details etc complete for ventilation.	1.5	sqm		
32	Providing and Fixing anodised alluminium section Two track windows with outer frame 61.5 mm x 31.5 mm of 19G, weighing 0.57 kg/m and shutter frame 34.5 mm x 15.80 mm of 19G, weighing 0.38 kg/m with all arrangement for fixing, PVC weather strip, spring handles and other fixtures etc including fixing 4mm glass of approved quality as directed etc complite As per Directed By ic/Architect.	2.1	sqm		
33	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.	15000	litre		

34	<p>Providing & applying 75 mm thick cement based India type water proofing treatment as per specialized agencies specifications to floors of toilet sunk (vattas shall not be paid separately) including laying of brick bats in the required slope, joints of which thoroughly filled with 1 : 4 cement mortar mixed with water proofing compound followed by neat 1 : 3 cement sand mortar finish with water proofing compound including curing cinder filling to the required flooring level & finishing the surface with cement sand mortar in 1 : 4 proportion, pond testing etc. complete.a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm. Of cement admixed with proprietary water proofing compound conforming to Is 2645 over the RCC slab including cleaning the surface before treatments. b) Laying cement concrete using broken bats 25 mm to 100 mm size with 50% of cement mortar 1 : 5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 over 20 mm thick layer of cement mortar of mix 1 : 5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. c) After two days of proper curing applying a second coat of cement slurry admixed with proprietary water proofing compound conforming to IS : 2645. d) Finishing the surface with 20 mm thick jointless cement mortar of mix 1 : 4 (1 cement : 4 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 and finally finishing the surface with trowel with neat cement</p>	50	sqm		
35	<p>Providing and fixing rolling shutters (COLLEPSEBLE GATE) of approved make made of 80mm 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.</p>	11	SQM		
36	<p>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.</p>	2000	litre		
37	<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.complete.as directed by EIC/Architect (A) plain gril</p>	125	Kg		

38	Providing and laying water proofing treatment in sunken portion of WCs, bathroom etc., by applying cement slurry mixed with water proofing cement compound consisting of applying : a) First layer of slurry of cement @ 0.488 kg/sqm mixed with water proofing cement compound @ 0.253 kg/sqm. This layer will be allowed to air cure for 4 hours. b) Second layer of slurry of cement @ 0.242 kg/sqm mixed with water proofing cement compound @ 0.126 kg/sqm. This layer will be allowed to air cure for 4 hours followed with water curing for 48 hours. The rate includes preparation of surface, treatment and sealing of all joints, corners, junctions of pipes and masonry with polymer mixed slurry.	30	SQM		
39	Providing and fixing 1.5 HP mono block submersible pump set including starter & pannel etc .complete as directed.	1	NOS		
40	Providing and fixing BESCO cubicle partion system for toilet by using following materials, 12mm thick compac laminate with core of phinolic resin treat papers with black colour, top layer treated with special melamine resin,adujstable legs with bottom cap, door lock with , gravity hinges with cover - combination of mild steel and nylon PA6 ,Top rail hanging bracket - aluminium ADC 12 ,coat hanger - nylon PA6 ,Rubber ribbon- syenthetic rubber ,Fastners - s.s and m.s,section-aluminium with power coating, complete as per drawing and design complete as directed by EIC/Architect (R A)	10	SQM		
41	FOR TOILET CANTAINER : Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing of the excavated stuff for all leads and lift etc. complete. (A) Loose or Soft Soil	15	CU.M		
42	Providing and laying in foundation and plinth / under floor lime concrete with graded brick aggregate 40mm nominal size and 40% mortar comprising of (lime putty:fine sand) and curing completed excluding cost of form work.(upto 10 ton)	1.5	cu.m		
43	Filling in foundation and plinth with murrum or selected soil in layers of 20cm. thickness including watering, ramming and consolidating etc. completed.	5	cu.m		
44	Filling available excavated earth (excluding rock) in trenches. plinth, sides of foundations etc. in layers not exceeding 20cm. in depth consolidating each disposed layer by ramming and watering.	10	cu.m		
45	Carring out plinth treatment to post construction / existing structure by spraying chemical solution for termite control treatment including labour and material consistment with I.S.I specification.	15	sqm		
46	Providing and laying cement concrete 1 : 3 : 6 (1 cement : 2 coarse sand :4 graded stone aggregate 40 mm nominal size) and curing complete including cost of formwork in complete. (A) foundation and plinth	3	cu.m		
47	Brick work using common burnt clay building bricks having crushing strength not less then 35 kg./sq.cm. in foundation and plinth in cement mortar 1:5 (cement:fine sand) (up to 10 ton)	3	cu.m		

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 conductivity0.043° 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 bnt mortar of mix 1 : 5 (1 cement : 5 coarse sand) admixed with proprietary water proofing compound conforming to IS : 2645 to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs. c)	20	SMT		
49	Supply and erection of stainless steel six seaters modular toilets 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 transportation charges.	1	NOS		
50	PLUMBING WORK : Providing and fixing wsh 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	Nos.		
51	Providing and fixing 100mm size P or S trap for water closet squatting pan including jointing the trap with the pan and soil pipe in cement Mortar 1:1 (1-Cement : 1-Fine sand)(A) Vitreous China.	3	Nos.		
52	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	Each		
53	Providing and fixing G.I. inlet connection for flush pipe with W.C. Pan	3	Each		

54	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	Each		
55	Providing and fixing washbasin with single hole for pillar tap with C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings.(A) Vitreous China:(ii) Flat Back washbasin 550 mm x v 400mm size. (i) In white colour.	4	Each		
56	Providing and fixing C.P. brass waste for washbasin or sink. (B) 40mm dia.	4	Each		
57	Providing and fixing chromium plated, bottle trap with necessary couplings of approved quality for wash basin.	4	Each		
58	Providing and fixing C.P. Pillar cock 15 mm Heavy duty swan neck of approved quality for Pillar cock.	4	No.		
59	Providing and fixing C.P. Angle stop cock 15 mm Heavy duty with cap approved quality for Angle cock.	7	No.		
60	Providing and fixing C.P. Bib cock 15 mm Heavy duty with cap approved quality for C.P. Bib Cock.	1	No.		
61	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.	7	Nos.		
62	Providing and fixing Rubber plug for sink or wash basin.	4	Each		
63	Providing and fixing chromium plated, bottle trap with necessary couplings of approved quality for wash basin.	4	Each		
64	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(ii) 32 mm dia.	7	Each		
65	Providing and fixing PVC SWR Nahni trap IS 14735 for drain -100 mm diameter with jail of the following nominal diameter of self cleaning design wit c.I scread down or hinged grating including the cost of cutting and making good the wall.	10	Nos.		
66	Providing and fixing chromium plated brass half trun flush cock of approved quality including fixing in pipe line etc. complete.(ii) 32 mm dia.	10	Nos.		
67	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.	1	Each		
68	Providing and fixing C.P. brass towel rail complete with C.P. brass brackets fixed to wooden plugs with C.P. brass scews.(B) 600mm x 20mm size.	1	Each		

69

69	Providing, fixing and testing and commissioning of heavy duty (ASTM F 441) uPVC Sch-40.0 pipes & Fittings (ASTM D 1784) with solvent weld socket joints and necessary fittings of brass thred with necessary fittings, such as elbow 90 degree, elbow 45 degree, coupling, tee, unions, reducer, bushings, male and female fitting at the end, bend suspenders etc. using uPVC solvent as per standard ASTM F-493, including necessary supports viz., split clamps (Chilly make) with anchor fastener to RCC or masonry pedestals and battens, if required as per drawing/detail, hydro testing and as per technical specifications directed by the Project Manager. (Astral/Ashirvad/Supreme) Cold Water Internal Concealed work for all depth/ heights and lead. U PVC SCH40 for cold water 20 mm dia (3/4)"	10	Rmt		
70	U PVC SCH40 for cold water 25 mm dia (1)"	10	Rmt		
71	U PVC SCH40 for cold water 32 mm dia (1 1/4)"	20	Rmt		
72	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (i) 25mm dia.	2	Each		
73	Providing and fixing ball cock of approved. quality as directed.(A) Copper Metal (ii) 50mm dia.	1	Each		
74	Providing and fixing G.I. Rain water spout of 50mm dia. and 30cm. length.	5	Each		
75	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	10	Rmt		
76	PVC SWR pipes IS 13592 for Drain - 110 mmdia	10	Rmt		
77	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"	10	No		
78	PVC SWR Single Y" -110 mm dia"	10	No		
79	PVC SWR Single T" - 75 mm dia"	10	No		
80	PVC SWR Single T" -110 mm dia"	10	No		
81	PVC SWR Single T" - 75 mm dia With Door"	10	No		
82	PVC SWR Single T" -110 mm dia With Door"	10	No		
83	PVC SWR Reducer 110 x 75	10	No		
84	PVC SWR Piipe clamp 75 mm	10	No		
85	PVC SWR Piipe clamp 110 mm	10	No		

86	PVC SWR Piipe Bend 87.5 degree with door for 75 mm diameter	5	No		
87	PVC SWR Piipe Bend 87.5 degree with door for 90 mm diameter	5	No		
88	PVC SWR Piipe Bend 87.5 degree with door for 110 mm diameter	5	No		
89	PVC SWR Coupler 75 mm dia	10	No		
90	PVC SWR Coupler 110 mm dia	10	No		
91	PVC SWR Piipe Bend 45 degree 75 mm dia	10	No		
92	PVC SWR Piipe Bend 45 degree 110 mm dia	10	No		
93	PVC SWR Piipe Bend 87.5 degree with door for 75 mm diameter	5	No		
94	PVC SWR Piipe Bend 87.5 degree with door for 110 mm diameter	5	No		
95	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	1	No		
96	PVC SWR Vent Cowl 110 mm dia	1	No		
97	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	30	Rmt		
98	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.	18	Each		

99	<p>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 masonry 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.</p>	5	Each		
100	<p>Constructing Brick masonry road gully chamber 500mm x 450mm x 600mm including 500mm x 450mm C.I. horizontal grating wih frame complete.</p>	2	Each		
101	<p>(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.</p>	1	Each		
102	<p>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)</p>	5.8	M ³		
103	<p>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)</p>	5.8	M ³		
104	<p>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 20m 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)</p>	4.59	M ³		

105	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)	4.59	M ³		
106	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	5	Pt.		
107	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	30	Pt.		
108	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	5	Pt.		

109	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.	
110	[II] For 16A Plug with 2-2.5 sq.mm Cu. Wire (a) with medium class Rigid PVC pipe and accessories	2	Pt.	
111	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	2	Pt.	
112	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.	
113	(7) Blank Plate Single Cat-III	10	Nos.	
114	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	200	Mtr.	
115	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	200	Mtr.	

116	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.	
117	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.	
118	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	22	Nos.	
119	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. conforming to IS 8828/1996 with ISI Mark Cat-III	55	Nos.	
120	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.	
121	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.	
122	MCB DISTRIBUTION BOARDS. Note :- Enclosure should be used of same company of MCB or MCB DP or ELCB Half / One Module Blanking Plate of Standard Size.	2	Nos.	
123	(L) Three phase 6 way SS Double door for single phase outgoing horizontal box	1	No.	
124	SITC of Double door type 12 WAY TPN DB (IP-43,IK-09)WITH METAL DOOR WITH PPI KIT PROVISION	1	No.	
125	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	6	Nos.	
126	(iii) 63 Amps.DP Cat-II	6	Nos.	

127	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 3 blades with aluminium blades with , canopy & 30 cms. down rod erected with 24/ 0.2, 3 core flexible wire with earthing. (Havells, Crompton)	1	No.	
128	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/ O.2, 3 core flexible wire with earthing.	1	Mtr.	
129	Providing 2.5mm.thick laminated acrylic sheet to cover the fan hook or Fan box.	1	No.	
130	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.	
131	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	4	Nos.	
132	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	4	Nos.	
133	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)	2	Nos.	
134	EARTHING : Providing and erecting HOT deep Galvanised iron strip wire 8 to 16 S.W.G.	0.5	Kg.	
135	For using salt and charcoal / coke as required for pipe type earthing.	1	Ea.	
136	SINGLE PHASE METER : Providing and erecting single phase meter & its lisioning cost.	1	No.	

137	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.	10	Nos.	
138	POLE FOUNDATION Providing C.I./ M.S. flange type base plate of 300 mm x 300 mm x 6 mm.	10	Nos.	
139	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	10	Nos.	
140	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	10	Nos.	
141	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)	10	Nos.	
142	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	10	Nos.	
143	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	10	Nos.	

144	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	10	Nos.	
145	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.	200	Mtr.	
146	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	200	Mtr.	
147	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	10	Mtr.	
148	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.	10	Nos.	
149	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	2	Nos.	