



कार्यालय परियोजना प्रबन्धक, यूनिट-55

कन्स्ट्रक्शन एण्ड डिजाइन सर्विसेज, उत्तर प्रदेश जल निगम (नगरीय),

परिसर निर्माणाधीन राजकीय मेडिकल कॉलेज, ग्राम-चितौरा, एन0एच0-2, फतेहपुर-212601

(उ0प्र0 सरकार का उपक्रम)

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पत्रांक:- 704/ई-टेण्डर/95

दिनांक- 19.05.2026

"शुद्धि-पत्र"

इस कार्यालय के पत्रांक 632/ई-टेण्डर/71 दिनांक 13.05.2026 द्वारा जनपद फतेहपुर के राजकीय राजकीय उच्च माध्यमिक विद्यालय अकबरपुर चौराई में बालक शौचालय का निर्माण कार्य हेतु ई-निविदा आई0डी0- 2026_UPCDS_1148222_1 द्वारा सी0एण्ड डी0एस0 में पंजीकृत ठेकेदारों से दिनांक 23.05.2026 के अपरान्ह 16.00 बजे तक ई-निविदाएं आमन्त्रित की गई है, जिसके बिड डाक्यूमेण्ट के अन्तर्गत अपरिहार्य कारणोंवश संशोधित SCHEDULE-G (B.O.Q.) अपलोड किया जा रहा है। जिसकी कुल लागत 03.82 लाख है। उक्त के अतिरिक्त समस्त शर्तें एन0आई0टी0 के अनुसार यथावत् रहेगी।

समस्त शुद्धि पत्र (corrigendum) <http://etender.up.nic.in> पर ही अपलोड किये जायेंगे, इनका पृथक से कोई प्रकाशन नहीं किया जायेगा। निविदादाताओं को सलाह दी जाती है कि वे उक्त वेबसाइट का समय-समय पर अवलोकन करते रहें।

संलग्न:- SCHEDULE-G (B.O.Q.)


परियोजना प्रबन्धक

CONSTRUCTION OF BOYS TOILET AT GOVT. HIGH SCHOOL, AKBERPUR, CHORAI, DIST. FATEHPUR (U.P.)

BILL OF QUANTITY

S.N.	DESCRIPTION OF ITEM	QTY	UNIT	RATES	AMOUNT
	CIVIL WORK UPTO P.L				
1	Excavation in foundation in ordinary soil (loam clay or sand) including lift upto 1.50 meter and lead upto 30 meter and including filling, watering and ramming of excavated earth into the trenches or into the space between the building and sides of foundation trenches or into the plinth and removal and disposal of sur-plus earth as directed by the Engineer incharge up to a distance of 30 meters from the foundation trenches.	7.14	CUM	185.45	1324.08
2	Excavating, supplying and filling of local earth (including royalty) by mechanical transport upto a lead of 5km also including ramming and watering of the earth in layers not exceeding 20 cm in trenches, plinth, sides of foundation etc. complete.	0.00	CUM	499.06	0.00
3	Sand filling in plinth including supply of necessary quantity of sand from a distance not exceeding 8 kms. from the site of work and including watering, dressing etc rate to include cost of all materials labour T & P etc required for proper completion of work.	0.60	CUM	1513.02	907.81
4	Providing and laying in cement concrete 1:4:8 (1 cement :4 coarse sand :8 graded stone aggregate 40 mm nominal size) and curing complete, including cost of form- work, in foundation and floors.	2.30	CUM	4853.07	11162.05
5	Providing and injecting chemical emulsion for preconstructional antitermite treatment and creating a chemical barrier under and around the column pits wall trenches basement excavation top surface if plinth filling junction of wall and floor, along the the external perimeter of binding expansion joints, surrounding of pipes and conduits etc, complete (plinth area of the building at ground				
	floor only shall be measured as per I.S.6313(PartII 1981) Alderine emulsifiable concentrate or any other approved material such as Heptachlor or Chlordane will be used. The rate of application of chemical emulsion shall be as follows : (1) Treatment for masonry & foundation 5 liters per sqm. (2) Back fill in immediate contact with foundation 7.5 liters/sqm (3) Treatment of top surface of plinth filling 5 liters/sqm				
	(4) Treatment of soil along external perimeter of building 7.5 liters/sqm. (5) Treatment of soil under apron along external perimter 5 liters/sqm.	5.72	SQM	220.89	1263.39
6	RCC Work for the lighter beams i.e. having spans upto 6 m. (Using 1:1.5:3 Mix concrete) [1 cement :1.5 coarse sand :3 stone aggregate] M-20	0.44	CUM	6444.45	2835.56

7	M-150 brick work in 1:6 (one cement and six coarse sand sand of 2.25 fineness modulus) mortar in foundation & plinth including supply of all materials, labour and T & P etc required for proper completion of the work.	3.62	CUM	5081.22	18394.02
8	Providing and laying damp-proof course 25 mm thick with cement concrete 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone aggregate 12.5mm nominal size)	1.49	SQM	292.70	436.13
9	Providing & applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	1.49	SQM	104.12	155.14
10	P/F Mild steel or iron in plain work such as reinforced concrete or reinforced, brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and and over lapping & hooks.	0.69	QTL.	7683.55	5301.65
11	15mm thick plaster with cement mortar in proportion of 1:4 cement & coarse sand of 2.25 F.M.	2.17	SQM	293.34	636.55
12	Centering and shuttering including strutting, propping etc. and removal of form for all heights :			0.00	0.00
	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	3.87	SQM	524.63	2030.33
	TOTAL				44446.72
	CIVIL WORK ABOVE P.L				
1	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (1 cement : 1.5 coarse sand(zone-III) derived from natural sources : 3 graded stone aggregate 20 mm nominal size derived from natural sources). R.C.C. work in Lintel (M-20)	0.24	CUM	8196.85	1967.24
2	As in item no. 1 above but for slabs (Using 1:1.5:3 Mix concrete). [1 cement :1.5 coarse sand :3 stone aggregate] M-20	0.71	CUM	8196.85	5819.76
3	Brick work in super-structure above plinth level up to floor two level (up to two storeys) including necessary cutting and moulding of bricks as required and also including honey comb brick work thickness of wall not to be less than 1.5 brick thick. (1:6 cement & coarse sand)	4.35	CUM	6487.34	28219.94
4	Half brick masonry with (Class M-150 First Class Brick) in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	5.69	SQM	800.63	4555.57

5	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying:				
	(a) after surface preparation, first layer of slurry of cement @ 0.488 kg/ sqm mixed with water proofing cement compound @ 0.253 kg/sqm.				
	(b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm.				
	(c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sqm mixed with water proofing cement compound @ 0.670 kg/sqm and coarse sand @ 1.289 kg/sqm. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30 cm on parapet wall and tucked into groove in parapet all around.				
	(d) fourth and final layer of brick tiling with cement mortar (which will be paid for separately. For the purpose of measurement the entire treated surface will be measured.	4.63	SQM	490.79	2272.37
6	Supply & fixing of flush doors commercial quality conforming to I.S. 2202 Part 1 (1983) including fixing and adjustment of hinges bolts locks handles springs fitting with necessary screws to be supplied departmentally. (a) 35mm thick	3.15	SQM	1704.59	5369.47
	both side laminated	3.15	SQM	681.08	2145.41
7	Mild steel or iron work				
(a)	Providing and fixing mild steel round holding down bolts with nuts and washer plates complete.	3.60	KG	69.25	249.29
(b)	Providing and fixing M.S. Tubular frames for doors, windows, ventilators and cupboard with rectangular/ L-Type sections, made of 1.60 mm thick M.S. Sheet, joints mitred, welded and grinded finish, with profiles of required size, including fixing of necessary butt hinges and screws and applying a priming coat of approved steel primer.				
	Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	37.13	KG	139.07	5163.53

8	<p>Providing and fixing factory made uPVC white colour sliding glazed window upto 1.50 m in height dimension comprising of uPVC multi-chambered frame with in-built roller track and sash extruded profiles duly reinforced with 1.60 ± 0.2 mm thick galvanized mild steel section made from roll forming process of required length (shape & size according to uPVC profile), appropriate dimension of uPVC extruded glazing beads and uPVC extruded interlocks, EPDM gasket, wool pile, zinc alloy (white powder coated) touch locks with hook, zinc alloy body with single nylon rollers (weight bearing capacity to be 40 kg), G.I fasteners 100 x 8 mm size for fixing frame to finished wall and necessary stainless steel screws etc. Profile of frame & sash shall be mitred cut and fusion welded at all corners, including drilling of holes for fixing hardware's and drainage of water etc. After fixing frame the gap between frame and adjacent finished wall shall be filled with weather proof silicon sealant over backer rod of required size and of approved quality, all complete as per approved drawing & direction of Engineer-in-Charge. (Single / double glass panes, wire mesh and silicon sealant shall be paid separately). Variation in profile dimension in higher side shall be accepted but no extra payment on this account shall be made.</p>				
	<p>Note: For uPVC frame and sash extruded profiles minus 5% tolerance in dimension i.e. in depth & width of profile shall be acceptable.</p>				
	<p>AVentilator Casement window single panel with or without fixed panel with S.S. 304 friction hinges as per size and weight of sash, single point locking zinc alloy (zamak) powder coated handles 9.147.D1.2 Using R2 series with frame (39 mm & above) x (39 mm & above) & sash/mullion (39 mm & above) x (60 mm & above). (Height upto 1.2 metre)</p>	0.27	SQM	8730.75	2357.30
9	<p>Providing and fixing anodised aluminium grill (anodised transparent or dyed to required shade according to IS: 1868 with minimum anodic coating of grade AC 15) of approved design/pattern, with approved standard section and fixed to the existing window frame with C.P. brass/ stainless steel screws @ 200 mm centre to centre, including cutting the grill to proper opening size for fixing and operation of handles and fixing approved anodised aluminium standard section around the opening, all complete as per requirement and direction of Engineer-in-charge. (Only weight of grill to be measured for payment).</p>	0.95	SQM	454.78	432.04
10	<p>Float glass panes mm thick glass pane (weight not less than 10 kg/sqm).</p>	0.27	SQM	1597.12	431.22
11	<p>P/F Mild steel or iron in plain work such as reinforced concrete or reinforced, brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and and over lapping & hooks.</p>	0.84	QTL.	7683.55	6454.18

12	12mm cement plaster in single coat on fair side of single or half brick wall for exterior plastering up to floor two level including internal rounded angles chamfers, and/or rounded angles not exceeding 80mm in girth and finished even and smooth no extra for mixing any additive. (1) 1 cement : 6 Coarse sand 2.25 F.M.	4.88	SQM	244.83	1194.75
13	15 mm cement plaster in single coat on rough side of single or half brick wall for interior plastering up to floor two level including internal rounded angles not exceeding 80 mm in girth and finished even and smooth. (1) 1 cement : 6 coarse sand.	41.77	SQM	281.66	11764.89
14	12mm thick plaster in 1:3 cement & coarse sand on ceiling and soffits of stairs upto floor two level.				
15	Supply and fixing of Kota Stone in flooring 25mm thick and joint filled 1:2 cement and coarse sand with approved colouring materials to be given an even shade with 12mm base coat (bedding) of 1:2 cement & coarse sand mortar and polished by hand or machine and finally finished with french manson polish or other approved polish including supply of all materials, labour, tools & plants etc required for proper completion of the work. 25mm thick	2.72	SQM	1387.99	3775.33
16	Supply and fixing 10 to 12mm thick Kota Stone tiles in skirting or dado laid with 1:2 cement and approved coarse sand mortar finished with in its cement colour slurry, jointing and polished or approved quality complete, including supply of all materials, labour tools & plants etc required for proper completion of teh work. 25mm thick	3.25	SQM	1677.56	5452.06
17	Supply and fixing 6mm thick china white glazed tiles in flooring or in skirting or dado laid with 1:3 cement and approved coarse sand mortar finished with white cement slurry jointing and polishing complete including supply of all materials, labour and tool sand plants etc.	14.76	SQM	792.72	11700.54
18	Cement concrete flooring 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 12-20mm nominal size laid in one layer neat cement (40 mm thick floor).	10.57	SQM	437.57	4625.16
19	Painting Ist coat over priming coat (but excluding cost of priming coat) on steel and other metal surfaces up to 10 cm.width or girth or small articles not exceeding 0.10sqm in area white superior synthetic enamel such as LUXOL3,Hi-gloss apcolite superlac, DULUX specified brushing to give an even shade and including cleaning the surface of all dirt,dust and other foreign matter sand papering and stoping including cost of all materials, labour tools and plants etc. required for proper completion of the work. (M.S. works)	0.95	SQM	161.19	153.13

20	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade : New work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm) with base	41.77	SQM	121.90	5091.62
21	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour (Inner walls) .	4.88	SQM	132.26	645.44
22	Distempering with 1st quality acrylic distemper (ready mixed) having VOC content less than 50 gram/litre, of approved manufacturer and of required shade and colour all complete to achieve even shade and colour (Ceiling) .	4.06	SQM	132.26	536.99
23	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	50.71	SQM	111.17	5637.66
24	Providing and fixing ISI marked oxidised M.S. sliding door bolts with nuts and screws etc. complete : 250x16 mm	1.00	NOS	138.00	138.00
25	Providing and fixing ISI marked oxidised M.S. tower bolt black finish, (Barrel type) with necessary screws etc. complete :				
	(a) 250 mm x 10mm	2.00	NOS	59.77	119.55
26	Providing and fixing ISI marked oxidised M.S. handles conforming to IS:4992 with necessary screws etc. complete : 125 mm	2.00	NOS	28.46	56.92
27	Centering and shuttering including strutting, propping etc. and removal of form for all heights :				
(a)	Suspended floors, roofs, landings, balconies and access platform.	5.72	SQM	660.60	3778.63
(b)	Lintels, beams, plinth beams, girders, bressumers and cantilevers.	2.17	SQM	524.63	1136.35
	TOTAL				121244.35
	INTERNAL PLUMBING WORKS				
1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	1.00	Each	4821.29	4821.29
6	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require:			0.00	0.00

	White Vitreous China Wash basin size 630x450 mm with a single 15 mm C.P. brass pillar tap	1.00	Each	1586.12	1586.12
7	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	1.00	Each	737.22	737.22
8	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	1.00	Each	119.94	119.94
9	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	1.00	Each	165.25	165.25
10	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	1.00	Each	1145.55	1145.55
11	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS 8931 (including angle valve for WC flushing cistern & jet)				
	15 mm nominal bore	2.00	Each	409.15	818.30
12	Providing and fixing uplasticised PVC connection pipe with brass unions :				
	15 mm nominal bore	2.00	Each	69.64	139.28
13	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 :				
	15mm nominal bore	1.00	Each	361.06	361.06
	TOTAL OF SUBHEAD-I				9894.00
2.0	SUB HEAD-II-WATER SUPPLY				
1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes , having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, i/c fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge.				
	Concealed work , including cutting chases and making good the walls etc.				
	For Internal Toilet				
	15 mm nominal outer dia Pipes	5.00	Metre	354.65	1773.24
	20 mm nominal outer dia Pipes	15.00	Metre	383.00	5745.03
2	Providing and fixing GI pipes complete with GI fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on Wall				
	Terrace loop & Tank Filling Pipe				

	25 mm nominal bore	20.00	Metre	393.05	7860.94
3	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality :				
	25mm diameter pipe	20.00	Metre	13.07	261.46
4	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :				
	25mm diameter pipe	6.67	Each	312.93	2086.23
5	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :				
	For vertical pipe connection with terrace ringmain				
	25mm nominal bore	2.00	Each	443.42	886.83
6	Making connection of G.I. distribution branch with G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete :				
	25 to 40 mm nominal bore	2.00	Each	649.66	1299.33
7	Providing and placing on terrace (at all floor levels) polyethylene water storage tank , IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	500.00	per litre	7.84	3918.36
	TOTAL OF SUBHEAD-II				23831.41
	SUB HEAD : III - ROOFING				
1	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS :13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion, (i) Single socketed pipes.				
	110 mm dia (for rain water)	5.00	Metre	268.87	1344.35
2	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion.				
	Single Push Fit Coupler				
	110 mm dia	1.67	Each	90.91	151.51
	Single tee with door				
	110x110x110 mm	1.00	Each	166.82	166.82
	Plain bend 87.5 deg				
	110 mm dia	2.00	Each	107.11	214.23
3	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with M.S. screws of required length, including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
	110 mm dia	2.50	Each	264.52	661.31

4	Making khurras 45x45 cm with average minimum thickness of 5 cm cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate of 20 mm nominal size) over P.V.C. sheet 1 m x 1 m x 400 micron, finished with 12 mm cement plaster 1:3 (1 cement : 3 coarse sand) and a coat of neat cement, rounding the edges and making and finishing the outlet complete.	1.00	Each	212.48	212.48
5	Excavating trenches by mechanical / manual means of required width for pipes cables etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth including getting out the excavated soil , and then returning the soil as required , in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed , within a lead of 50 m.				
	All kind of soil				
	Pipes, cables etc. exceeding 80 mm dia . But not exceeding 300mm dia.	5.00	Metre	250.88	1254.41
6	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design:				
	100mm dia SW pipe	5.00	Metre	687.32	3436.58
TOTAL OF SUBHEAD-III					7441.69
SUB HEAD : IV - INTERNAL DRAINAGE					
1	Providing, fixing, jointing and testing, uPVC SWR pipes, - type B conforming to IS : 13592 to wall, ceiling and floor, approved quality, complete, for soil, waste & rain water drain including pushfit jointing with seal ring. (i) Single socketed pipes.				
Internal Toilet (Soil & Waste Pipe)					
	75 mm	8.00	Metre	479.75	3838.00
	110 mm	8.00	Metre	679.25	5434.00
2	Providing and fixing on wall face unplasticised - PVC moulded fittings/accessories for unplasticised Rigid PVC pipes including jointing with seal ring leaving 10 mm gap for thermal expansion.				
Bend without door (45°)					
	75mm	2.00	Each	128.25	256.50
	110mm	2.00	Each	209.00	418.00
Bend without door (87.5°)					
	75mm bend	2.00	Each	142.50	285.00
	110mm	2.00	Each	247.00	494.00
Y' Fitting without door					
	75mm	1.00	Each	218.50	218.50
	110mm	1.00	Each	394.25	394.25
Single Tee without door					
	75mm	1.00	Each	213.75	213.75
	110 mm	1.00	Each	346.75	346.75
Single Tee with door					

	75mm	2.00	Each	242.25	484.50
	110 mm	2.00	Each	403.75	807.50
	Bend with door (87.5°)				
	75mm	1.00	Each	175.75	175.75
	110 mm	1.00	Each	294.50	294.50
	Reduced Tee with door				
	110mm x 75mm	2.00	Each	351.50	703.00
	Coupler				
	75mm	2.00	Each	133.00	266.00
	110mm	2.00	Each	209.00	418.00
3	Providing, fixing, jointing and testing, unplasticized PVC pipes - 10 kg/cm2 confirming to IS : 4985 to wall, ceiling and floor, approved quality, complete, for waste water drain including jointing with rubbering/solvent/solution and airtight joints, etc.				
	For Wash basin & Urinal				
	32mm dia. Pipe	2.00	Metre	175.75	351.50
	Elbow (45°)				
	32mm	2.00	Each	42.75	85.50
	Elbow (90°)				
	32mm	2.00	Each	38.00	76.00
	T fitting				
	32mm	2.00	Each	42.75	85.50
	Coupler				
	32mm	0.67	Each	33.25	22.17
4	Providing, fixing, jointing and testing , of PVC Multi Floor Trap without jali of minimum 50 mm water seal, making necessary cutting in slab or floors and making good including supports with cement concrete 1:3:6 complete as approved by Engineer-in-Charge.				
	110mm x 75mm x 50mm/40mm (Toilet)	1.00	Each	1159.00	1159.00
5	Providing, fixing, jointing and testing , of PVC Nahani Trap without jali of minimum 50 mm water seal, making necessary cutting in slab or floors and making good including supports with cement concrete 1:3:6 complete as approved by Engineer-in-Charge.				
	110mm x 75mm (Toilet & Kitchen)	1.00	Each	1092.50	1092.50
6	Providing and fixing PTMT grating of approved quality and colour.				
	150 mm nominal size square 100 mm diameter of the inner hinged round grating (including balcony)	1.00	Each	140.31	140.31
7	Providing and fixing square-mouth S.W. gully trap class SP-I complete with C.I. grating brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design :				
	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	Each	1947.92	1947.92

8	Providing, laying and jointing glazed stoneware pipes class SP-1 with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete:				
	100 mm diameter	5.00	Metre	316.03	1580.17
	150 mm. dia. RCC Pipes	10.00	Metre	396.43	3964.31
9	Excavating trenches by mechanical / manual means of required width for pipes cables etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth including getting out the excavated soil , and then returning the soil as required , in layers not exceeding 20 cm in depth including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed , within a lead of 50 m.				
	All kind of soil				
	Pipes, cables etc. exceeding 80 mm dia . But not exceeding 300mm dia.	15.00	Metre	250.88	3763.23
10	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design:				
	100mm dia SW pipe	5.00	Metre	687.32	3436.58
	150mm dia SW pipe	10.00	Metre	840.56	8405.59
11	Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 coarse sand) RCC top slab with 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement :4 coarse sand :8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with floating coat fo neat cement and making channels in cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20mm nmnal size) finished with a floating coat of neat cement complete as per standard design.				
	Inside size 90x80cms and 45cms deep including CI cover with frame (light duty) 455x610mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15kg).				
	With common burnt clay FPS (non modular) bricks of class designation 75				
	(i) For Sewer Line	1.00	Each	9098.11	9098.11
	Extra for depth for manholes:				
	Size 90x80cm with With common burnt clay FPS (non modular) bricks of class designation 7.5	0.50	Metre	6287.47	3143.74

12	Providing orange colour safety foot rests of minimum 6 mm thick plastic encapsulated as per IS:10910 on 12 mm dia steel bar conforming to IS:1786 having minimum cross section as 23 mm x 25 mm and over all minimum length 263 mm and width as 165 mm with minimum 112 mm space between protruded legs having 2 mm thread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	2.00	Each	394.47	788.94
TOTAL OF SUBHEAD-IV					54189.07
INTERNAL ELECTRICAL WORKS					
SUB-HEAD - I : INTERNAL WIRING					
1	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm FRLS/HFFR PVC insulated copper conductor single core cable etc. as required.				
a)	Group - C	5	Popint	1222.19	6110.95
2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FRLS PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required.				
	2 X 1.5 sq. mm + 1 X 1.5 sq. mm earth wire	50	Metre	191.51	9575.5
	2 X 4 sq. mm + 1 X 4 sq. mm earth wire	26	Metre	267.53	6955.78
3	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket outlet and 15/16 amps modular switch, connection etc. as required.	1	Each	472.67	472.67
4	Supplying and fixing modular blanking plate on the existing modular plate & switch box excluding modular plate as required	1	Each	33.71	33.71
5	Supplying and fixing 3 pin, 5 A ceiling rose on the existing junction box/ wooden block including connections etc. as required.	1	Each	74.59	74.59
TOTAL					23223.2
SUB-HEAD II - FANS & LIGHT FIXTURES:					
6	LED Down lighter (SMD Type) (System lumen efficacy >135lm/Watt)				

	Supplying, Installation, Testing & Commissioning of LED Recessed/surface Down lighter (Round /square/Rectangular) SMD type of following body material with PMMA and prismatic diffuser and construction as per IS : 10322 with driver as per the requirement with Driver efficiency >85%, Operating voltage AC 140-270 Volt, frequency 50/60 hz, Operating temp range - 5 0C to 40 0C, internal surge protection of 2.5 KV with Short & Open circuit protection ,THD < 10% , P. F.≥0.95, IP20, CRI >80, UGR (Unified Glare Rating) < 19, Flicker free, (flicker should be below 5 %), life time (LED, Driver & electrical circuitry), life time of minimum 50000 Burning Hours with 70% of initial Lumen maintained till life ends as per LM80 extrapolation IES TM-21-11 report, CCT 3000°K/ 4000°K /5700°K / 6500°K (As per ANSI Bin), SDCM(Standard Deviation Color Matching) <3, Maximum power consumption should not more than the specified rating and Fixture shall be of relevant BIS standard. Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing. complete in all respect i/c external connections with 1.5 sq mm FRLS/HFFR, PVC insulated copper conductor single core cable and earthing etc. as required with Minimum 5 year OEM warranty. System lumen efficacy >135 lm/Watt output. LM79 & LM80 Test				
	12-15 watt	2.00	Each	542.24	1084.48
7	Supplying of LED mirror light luminaire with 10W watt complete with electronic ballast, lamp including connection etc. complete as required, Including connection with 1.5 sqmm FRLS PVC insulated copper conductor.	1.00	Each	1468.70	1468.70
8	Supplying and fixing brass batten/ angle holder including connection etc. as required.	1.00	Each	110.46	110.46
9	Supplying of 9 Watt 4 Star LED Wall Light Blub complete in all respect.	1.00	Each	308.75	308.75
10	Supplying of following size exhaust fan complete with gravity louver and connection with 3 core flexible wire as required.				
	300mm EXHAUST FAN	1.00	Each	1567.50	1567.50
	TOTAL				4539.89
	SUBHEAD- III: DISTRIBUTION BOARD				
11	Supplying and fixing following way ,single pole and neutral,sheet steel, MCB distribution board, 240 V, on surface/ recess, complete with tinned copper bus bar, earth bar, din bar, interconnections, powder painted including earthing etc. as required. (But without MCB/RCCB/Isolator)	1.00	Each	2059.22	2059.22
12	Supplying and fixing following rating, four pole, 415 V, MCB in the existing MCB DB complete with connections, testing and commissioning etc. as required				
	40 amps SP MCB	2.00	Each	679.25	1358.50
	40 amps DP MCB	1.00	Each	874.00	874.00
13	Supplying and fixing single pole blanking plate in the existing MCB DB complete etc. as required.	4.00	Each	10.04	40.16

	TOTAL				4331.88
	SEPTIC TANK & SOAK PIT				
1	Earth work in excavation over areas including disposal of excavated earth, lead upto 50m, disposed earth to be levelled and neatly dressed.				
	In all kind of soil upto 1.5m depth	11.94	Cum	185.45	2214.88
	In all kind of soil upto 1.5m to 3.0m. depth	9.11	Cum	275.78	2511.31
2	Providing and laying of cement concrete in base excluding the cost of centring and shuttering by 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size)	0.81	Cum	4853.07	3942.83
3	Reinforcement cement concrete work in RCC culvert slab with 1:1.5:3 (1 cement : 1.5 coarse sand and 3 graded stone aggregate of 20 mm nominal size) excluding centering and shuttering and reinforcement.	1.05	Cum	6444.45	6739.71
4	Centering and shuttering including strutting, propping etc. and removal of form for :				
	Suspended floors, roofs, landings, balconies and access platform	6.97	SQM.	660.60	4605.77
5	Brick work with brick of class designation 150 in foundation and plinth in cement mortar (1 cement : 4 coarse sand)	7.68	Cum	5251.06	40341.44
6	P/F Mild steel or iron in plain work such as reinforced concrete or reinforced, brick work (when not included in over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of all steel and and over lapping & hooks.	0.82	QTL.	7683.55	6300.51
12	15mm cement plaster on rough side of mix 1:4 (1 cement : 4 coarse sand)	24.40	Sqm	293.34	7156.83
13	Providing M.S. foot rest including fixing with 20x20x10 cm. cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded aggregate of nominal size 20mm) as per standard design with 20x20mm sq bars.	12.00	Nos.	388.06	4656.72
14	Providing and fixing C.I. tee at the inlet and outlet of septic tank.	2.00	Nos.	442.42	884.84
15	Providing & fixing 75mm dia vent pipes.	1.00	Rm.	744.31	744.31
16	Providing & fixing of 75mm dia cast iron terminal guard.	1.00	No.	242.72	242.72
17	Providing and fixing in position precast RCC manhole cover and frame of required shape and approved quality.				
	M.D. -10- Circular shape 500mm internal diameter	2.00	No.	835.39	1670.79
	M.D. -2.5- Circular shape 450mm internal diameter	4.00	No.	833.29	3333.17
	TOTAL				85345.81
	GRAND TOTAL				378488.02
	ADD LABOUR CESS @ 1% ON GRAND TOTAL				3784.88
	TOTAL IN RS.				382272.90
	TOTAL IN LACS				3.82