

Estimate for the Construction of Toilet at Telemedicine Hub Office						Sec-11,
Chandigarh.						
S.No.	CSR	Description of Items	Qty.	Unit	Rate	Amt.
		INTERNAL PUBLIC HEALTH WORKS				
1	30.4	Providing and fixing in position Chinaware European type water closet P trap or S trap of approved make (to the approval of the Engineer-in-charge) consisting of 10 ltr. PVC flushing cistern ISI marked, PVC short bend 32 mm dia including cost of seat cover complete in all respect and to the entire satisfaction of Engineer-in-charge. (Make - Cera, Hindware, Parryware)	1	Each	4780.00	4780
2	30.8 a	Providing and fixing Jet Spray with 2'-6" long PVC pipe With CP brass nut.	1	Each	476.00	476
3	30.16	Providing and fixing in position vitreous Chinaware white Indian make large flat back or angular lipped front urinal 375 x 390 x 590 mm of approved make (to the approval of the Engineer-in-charge) consisting of C.P. brass Urinal waste Coupling dome type 32mm outer length 75 mm , C.P. brass Urinal Spreader Ocular-Regular and C.P. brass tube connection 300 mm long complete.	2	Each	6551.00	13102
4	30.21 B	Providing and fixing partitions for different type of urinals				
	(i)	Vitreous white Chinaware Partition Small partitions size 69 x 16.5 x 32.5 cm	2	Each	2284.00	4568
5	30.32	Providing and fixing in position vitreous chinaware white lavatory suites of approved make (to the approval of Engineer-in-charge) consisting of C.P. brass waste 32mm dia with one C.P. brass pillar tap including Rack Bolt Screw Pair 115mm long complete in all respect. (Make - Cera, Hindware, Parryware)				
	ii	Size 550mmx400mmx815mm	2	Each	3614.00	7228
6	30.61	Providing and fixing in position 5mm thick beveled edge mirror of superior glass (of approved make) complete with 4mm thick hard board backing fixed in with rawl plugs 50mm C.P brass screws and washers and S/S studs on top complete in all respect (as required by the engineer-in-charge)				
	(b)	Size 550 x 400 mm	2	Each	1116.00	2232
7	30.60	Providing and fixing in position C.P. brass soap dish of approved make (to the approval of Engineer-in-charge) fixed into wall with rawl plugs and C.P brass screws complete in all respect..	2	each	843.00	1686
8	30.20	Providing and fixing P.V.C Waste Pipe Collapsiable 32mm complete in all respect.	10	Each	113.00	1130
9	30.58 a	Providing and fixing in position towel rails / ring of approved make (to the approval of Engineer-in-Charge) fixed in with rawl plugs embedded in walls with brass screws, complete in all respects. (b) CP brass towel rail 15mm dia 600mm long.	2	Each	1539.00	3078

10	30.65 A	Providing and fixing in position 15mm i/d bib cock of approved make (to the approval of Engineer-in-Charge) complete in all respect. (Make - Jal, Excel, Nova, Essess)				
	ii	C.P. brass Bib cock foam flow without flange	1	Each	917.00	917
11	30.66	Providing and fixing in position stop cock/angle valve of approved make (to the approval of Engineer-in-Charge) complete in all respect. (Make - Jal, Excel, Nova, Essess)				
	b	C.P. brass 15 mm concealed stop cock with flange.	1	Each	1204.00	1204
	c	C.P. brass 15 mm angle valve without flange.	5	Each	826.00	4130
12	30.72	P/F in position PVC flexible tube connection of approved make (to the approval of Engineer-in-Charge) Complete in all respect.				
		b) PVC tube connection of size 15mm x 450mm with CP brass nut.	5	Each	182.00	910
13	30.97 A(ii)	Providing & placing in position on terrace (at all floor levels) HDPE water storage (Double Layer) tanks of approved make (to the approval of Engineer - in-charge) with cover with suitable locking arrangement and making necessary holes for inlet, outlet and over flo pipes but without fittings and base support for tank. (Make - Diplast, Sintex, Lotus)	1000	Litre	8.72	8720
14	30.74 (iii) (b)	Providing and fixing in position single socket (Single Socket Type B) SWR UPVC soil waste or antisiphonage pipes as per IS 13592 of E.D.C manufacture or of any other reputed firm including cutting, jointing, wastage, but excluding cost of jointing. (Make - Finolex, Supreme, Prince, Kissan,Diplast)				
	(b)	110mm o/d SWR UPVC pipe lines laid complete	19.82	Mtr	376.04	7453
	(c)	90mm o/d SWR UPVC pipe lines laid complete	33.23	Mtr	327.19	10873
15	30.81 (iii)	Providing and fixing in position SWR UPVC special for soil waste vent or anti syphonage pipes as per as per IS - 14735 including cutting and wastage etc. cutting holes in walls roofs or floors etc. and making good to its original condition but excluding cost of lead joining.				
	(B)	For 110mm o/d pipes				
	ii	Single Tee With Door	2.00	Each	224.32	449
	viii	Coupler	6.00	Each	105.45	633
	ix	P Trap/Floor Trap 110mm x 110mm	5.00	Each	321.20	1606
16	30.77 C	Providing PVC solvent cement joints to SWR Pipes and specials including cost of PVC solvent cement and tools etc of approved make (to the approval of Engineer-in-charge)				
	(b)	110 mm o/d	12.00	each	96.13	1154
	(c)	90 mm o/d	16.00	each	81.36	1302

17	10.13 a(i)	Cement concrete 1:2:4 with stone ballast or shingle in bed and haunching of HCl Pipes 100mm & 75mm i/d complete in all respect mixing by manual mean.	0.46	Cum	4558.00	2097
18	28.35	Providing ,laying, jointing, fixing and testing ISI Marked G.I. Pipe (as per IS 1239) B Class including cost of specials (such as tees, bends, sockets, elbows etc.),painting with anti corrosive bitumastic paint, testing, cutting, threading Inside building complete.(Make - Jindal, Tata, Parkash)				
	a	15mm i/d	5.79	Mtr	205.07	1187
	b	20mm i/d	26.78	Mtr	249.19	6673
	c	25mm i/d	7.62	Mtr	314.79	2399
19	30.85	Cutting chase in brick walls in cement or in floor for embedding G.I. or C.I pipes line and making good the same to its original condition.				
	(c)	Size 75 mm x 50 mm	13.67	Mtr	57.00	779
20	28.40	Providing, fixing and jointing G.I Union Couplings (of approved make with the approval EIC) as per IS 1879 in G.I Pipe lines complete in all respect.				
	b	20mm i/d G.I. union	4.00	Each	150.83	603
	c	25mm i/d G.I. union	4.00	Each	190.38	762
21	28.43	Providing, fixing and jointing ISI Marked gun-metal peet valves (Heavy Pattern) as per IS 778 with hand wheels, on G.I Pipe lines laid in the ground or inside buildings including all carriages complete (Make - Leader, Zoloto, Sant)				
	b	20mm i/d Gum metal PV Heavy Pattern	2.00	Each	562.67	1125
	c	25mm i/d Gum metal PV Heavy Pattern	2.00	Each	772.96	1546
22	10.6	Cement concrete 1:8:16				
	(a)	With brick ballast 32mm / 40mm gauge				
	i	mixing by manual means	1.87	Cum	3411.00	6379
23	30.83	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.	10.38	Sqm	318.71	3308

24	14.72	Providing and laying Anti skid Ceramic floor tiles of size 300x300 mm x 10 mm thick of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on flooring skirting and dado in 12.5mm thick cement plaster 1:3 in base and jointed with @ 3.3 kg/sqm including pointing the joints with white cement and matching pigment etc., completewhite cement slurry in joints including corners angles and beading. (Make- AGL, Somani, Johnson, Naveen, Asian, Orient Bell)	8.16	Sqm	672.00	5484
25	14.125	Providing and fixing 1st quality ceramic glazed wall tiles Matt/Semi Matt/Glosy/Highly Gloss finish/Highlighter/ emboss conforming to IS : 15622 (thickness to be specified by the manufacture of approved make in all colours, shades except burgundy, bottle green, black of size 200 x 300, 100 x 200, 200 x 200 mm as approved by Engineer-in- Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:4 (1 cement: 4 fine sand) and jointing with grey cement slurry @ 3.3kg per sqm including pointing in white cement mixed with pigment of matching shade complete.	30.77	Sqm	699.00	21508
26	29.43	Providing, laying in trenches to correct gradient and alignment and jointing of UPVC pipes having ISI specification IS:15328-2003 class-SN-8 marked make Supreme, Finolex, Kissan, Jain, Prince or equivalent good on them and laying the same in trenches to correct alignment and gradients, cutting and jointing, testing for water tightness and making good the leakages and defects including cost of specials (Specials and Solvent should be of same make as that of pipes) complete in all respects..				
	c	160mm o/d pipes	8.54	Mtr	753.00	6431
27	10.8 (A) (i)	Cement concrete 1:6:12 brick ballast 40mm gauge (alround S.W pipes including bed concrete as per standard design) using concreteby manual mean.	1.07	Cum	3570.00	3820
28	29.5 A	Excavation in trenches with straight or open cutting in streets, lanes or in open area with 3D/JCB or excavtor including manually dressing bed, trimming sides and side slopes for sewers and manholes to full depths as shown in drawings including dressing to correct sections and dewatering, provision for diversion for traffic, protection of existing services i.e telephone cables, electric lines, water supply lines and gas lines etc. night signals, profiles, pegs, sight rails, boning rods, watching etc.fixing and maintenance of caution boards, fencing, refilling trenches, watering, ramming and restoration of surface to original level and removal of surplus spoil from the site of works, upto one chain (15m) complete in all respects.				
	A	For depth not exceeding 3m B.G.L.				
	(i)	For all class of soil except rocky	4.69	Cum	99.00	464

29	29.60	Construction of brick masonry inspection chambers size as given below upto 0.60 metre average depth in 1:5 cement sand mortar, C.C.1:4:8 (150mm thick) in foundation, cement concrete 1:2:4 benching 12.5mm thick cement plaster 1:2 with a floating coat of 1mm thick of neat cement, R.C.C. 1:2:4 slabs 100mm thick cement concrete topping 50mm thick with 455mm x455mm, 455mm x 610mm inside R.C.C. inspection chamber cover and frame (Weight as per I.S.I specifications) painted with 3 coats of black bitumastic paint conforming to I.S.I complete as per standard design.				
	b	450mm x 600mm inside with 455mm x 610	2	Each	6436.00	12872
30	11.4 (i)	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres above plinth level.	6.56	Cum	5071	33265.76
31	15.10	12.5 mm thick cement plaster 1:5	33.73	Sqm	181.00	6105.13
32	16.65	Preparation of plastered or concrete surface for painting (including sand papering the surface) using ready mixed cement based wall putty by applying two or more coats to get required finish	33.70	Sqm	80.00	2696
33	16.10	Distempering with Acrylic washable oil bound distemper (of approved manufacture) two coats over one priming coat to give an even shade	33.73	Sqm	75	2529.75
34	17.27	Factory manufactured solid flush door fixed in position iron hinges, etc (excluding the cost of any fittings other than specified above but including labour for fixing the same in position (Code : ISS 2202-1 999				
	(a)	Commercial with elm or gurjan facing on both \ Sides with laminated core and lipped edges:-				
	(iv)	35mm thick	3.96	sqm	2307.00	9136
35	18.24	Supply & Fixing of pressed steel frames (Chowkats) consisting of 18 gauge (1.25mm) thick steel sheet of the specified section(standard design latest) including iron lugs (hold fasts) iron hinges, confirming to P.W.D. specifications including bolts for fixing stops, locknotch provision for receiving tower bolts, Hydraulic spring and finished with one priming coat of approved quality, fixed in position, including the cost of cement concrete 1:3:6 for filling in the frame and cement concrete 1:2:4 for lugs complete-				
	b	Doors and windows frame of size 113mm x 60mm with 35 mm wide single rebate weighing 3.38 kg per meter.	10.98	mtr	469.00	5150
36	16.15	Preparation of plywood surface for painting including sand papering the surface and applying filling with approved quality fillers consisting of white lead, linseed oil, Varnish, and Chalk Mitti including finishing the surface to required finish complete.	8.92	Sqm	43.00	384
37	16.16	Applying pink primer or aluminum priming coat on wood work including preparation of surface knotting and stopping etc.	8.92	Sqm	28.00	250

38	16.17	Painting two coats excluding priming coat with synthetic enamel paint in all shades on wood work, metallic or plastered, concrete surface to give an even shade- With special quality paint	8.92	sqm	66.00	589
39	8.6	Dismantling concrete				
	(d)	Cement concrete plain 1:2:4 mix	0.42	Cum	1365	573.30
		Total				215744
		Expenditure of electrical works i.e. conducting, wiring, lighting, exhaust fan etc.				5000
		Payment shall be made as per actual work done at site on item rate basis				
		Total				220744
		SAY				2.21 Lakh