

COST SUMMARY for ARM works 2025			
Name of Work : “ Annual Repair and Maintenance (ARMO-Civil) Works of Medical College and Hospital Building , Hostel Buildings ,Type-I to VI Staff Quarters at ESIC Campus, Kalaburagi”			
Abstract for ARM Estimate for ESIC Gulbarga.			
Sl No	Item Head	Amount	Remarks
A	Manpower (A)	1 04 02 318.01	
B	Material of civil (I)	96 43 576.79	
C	Item works of civil (III)	7 12 22 851.86	
D	Total Amount(A+B+C)	9 12 68 746.66	

ESI,EPF, BONUS wherever applicable will be reimbursed on actuals from time to time on submission of Documentary proofs.

The Estimated cost is inclusive of Contractor's profit at 15%

Name of Work : " Annual Repair and Maintenance (ARMO-Civil) Works of Medical College and Hospital Building , Hostel Buildings ,Type-I to VI Staff Quarters at ESIC Campus, Kalaburagi"								
Details of Service Manpower								
Sl. No.	Type of Manpower	Category	Nos	Nos Per Month (26 days per month)	Wage per day (incl. all) (Area - B)	Total Qty in Man days	Amount	Remarks
A	B	C	D	E	E	F=Ex12	G=ExF	
1	Providing service of Facility Manager which includes, Engaging of Supervisors for day to day maintenance of Civil and plumbing, monitoring of complaints, assigning of complaint, maintaining of register and any other skilled manpower as required for maintenance etc. as directed by Engineer-in- charge ( person should be Highly skilled). (1 Nos.) (Qualification:B.Tech/Diploma in Civil Engineering with 12 Years Experience (Supervisory) in maintenance Job within which he should have 3 Years experience in preparation of drawings, plans, and estimates	Highly Skilled	1	26	1,467.50	312.00	4,57,861.33	As per Actual requirement in the site by considering the day to day ESIC DC & other buildings/service s based on directions of competent authority.
2	Providing service of supervisor which includes, Engaging of Supervisor for supervising of day to day maintenance of Civil and plumbing, monitoring of complaints, assigning of complaint, maintaining of register and any other skilled manpower as required for maintenance etc. as directed by Engineer-in- charge ( person should be Highly skilled). (1 Nos.) (Qualification:B.Tech/Diploma in Civil Engineering with 10 Years Experience (Supervisory) in maintenance Job.	Highly Skilled	1	26	1,467.50	312.00	4,57,861.33	
			2					
	Total Amount for Operating Manpower (A)						9,15,722.67	

**Details of Operating Manpower**

Sl. No.	Type of Manpower	Category	Nos	Nos Per Month (26 days per month)	Wage per day (incl. all) (Area - B)	Total Qty in Man days	Amount	Remarks
A	B	C	D	E	F	G=Ex12	H=FxG	
3	Providing service of Sewer man for attending complaints like clearing of blockages/chockeges in existing sewer lines, Gully trap,floor traps, manhole, sanitary lines by removing and refixing the CI/SCI doors in Y-junction/TJunction rain water pipes, storm water drain etc at all height complete as directed by Engineer-in-charge . (2 Nos.) (Qualification:Nil) (Semi skilled)	Un Skilled	2	52	1,138.75	624.00	7,10,578.69	As per Actual requirement in the site by considering the day to day ESIC DC & other buildings/service s based on directions of competent authority.
4	Engaging of Plumber for day to day maintenance/providing Services for plumbing to internal and external water supply and sanitary lines by replacing the worn out pipe, sanitary and water supply fittings/fixture like bibcock, stop cock, pillar cock,washbasin, PVC connection, waste coupling, valve, ball cock, at all height etc. Complete as per Engineer-in- charge (10Nos) (Qualification: Nil) (Skilled) with 3 Years Experience in (Plumbing)in maintenance Job	Skilled	7	182	1,343.80	2,184.00	29,34,862.58	
5	Outsourcing of unskilled Labour / Helper/Balder for helping the Highly Skilled / Skilled manpower in day to day attending the complaint for plumber/ Carpenter and sewer man and for also attending unskilled services etc., as directed by the Engineer-in-charge (10Nos.) (Qualification: Nil) (Unskilled)	Un Skilled	7	182	1,138.75	2,184.00	24,87,025.41	
6	Providing the services of Carpenter for Carpentry services like doors/window/Ventilators/cup boards/ removing and refixing of hardware fixture/fittings, Mortice locks, door handles, tower bolts etc., as directed by the Engineer-in-charge (2 Nos.) (Qualification: Nil) (Skilled) with 3 Years experience in Carpenter Job	Skilled	5	130	1,343.80	1,560.00	20,96,330.42	
7	Providing the services of Mason for masonry services like carrying out all concrete, brick, PCC , RCC, Plastering services etc., as directed by the Engineer-in-charge (1 Nos.) (Qualification: Nil) (Skilled) with 5 Years experience in Manson Job	Skilled	3	78	1,343.80	936.00	12,57,798.25	
			24		26.00			
	Total Amount (B)						94,86,595.34	
Total of Manpower (A+B)							1,04,02,318.01	

Name of Work : " Annual Repair and Maintenance (ARMO-Civil) Works of Medical College and Hospital Building , Hostel Buildings ,Type-I to VI Staff Quarters at ESIC Campus, Kalaburagi"														
Supplying of Materials														
Sl.No	DSR No 2023	Description	Unit	Qty	Rate (Excl. GST)	Amount	Add CI @ 9.345%	Rate incl. of CI	Add GST @ 18%	Rate Incl. of GST	Add CPOH @ 15%	Final Rate	Final Amount	Remarks
1	7257	C.P Brass bibcock 15mm	Each	300.00	330.00	99 000.00	30.84	360.84	64.95	425.79	63.87	489.66	1 46 897.35	
2	7259	C.P Brass long body bibcock 15mm	Each	300.00	530.00	1 59 000.00	49.53	579.53	104.32	683.84	102.58	786.42	2 35 926.05	
3	7260	C.P Brass stop cock 15mm	Each	200.00	445.00	89 000.00	41.59	486.59	87.59	574.17	86.13	660.30	1 32 059.24	
4	1546	G.I pipes 20mm dia	Meter	100.00	139.00	13 900.00	12.99	151.99	27.36	179.35	26.90	206.25	20 624.98	
5	1547	G.I pipes 25mm dia	Meter	100.00	197.00	19 700.00	18.41	215.41	38.77	254.18	38.13	292.31	29 231.09	
6	1548	G.I pipes 32mm dia	Meter	100.00	247.00	24 700.00	23.08	270.08	48.61	318.70	47.80	366.50	36 650.15	
7	1551	G.I pipes 65mm dia	Meter	100.00	450.00	45 000.00	42.05	492.05	88.57	580.62	87.09	667.72	66 771.52	
8	1608	G.I tees ( equal ) 25mm	Each	50.00	70.00	3 500.00	6.54	76.54	13.78	90.32	13.55	103.87	5 193.34	
9	1612	G.I tees ( equal ) 65mm	Each	50.00	480.00	24 000.00	44.86	524.86	94.47	619.33	92.90	712.23	35 611.48	
10	1642	G.I Union 20mm nominal bore	Each	50.00	60.00	3 000.00	5.61	65.61	11.81	77.42	11.61	89.03	4 451.43	
11	1643	G.I Union 25mm nominal bore	Each	50.00	125.00	6 250.00	11.68	136.68	24.60	161.28	24.19	185.48	9 273.82	
12	1644	G.I Union 32mm nominal bore	Each	50.00	160.00	8 000.00	14.95	174.95	31.49	206.44	30.97	237.41	11 870.49	
13	1646	G.I Union 50mm nominal bore	Each	50.00	330.00	16 500.00	30.84	360.84	64.95	425.79	63.87	489.66	24 482.89	
14	1647	G.I Union 65mm nominal bore	Each	30.00	550.00	16 500.00	51.40	601.40	108.25	709.65	106.45	816.10	24 482.89	
15	1687	Unplasticised P.V.C connection pipe with brass union 30 cm long	Each	300.00	32.00	9 600.00	2.99	34.99	6.30	41.29	6.19	47.48	14 244.59	
16	1689	Unplasticised P.V.C connection pipe with brass union 45 cm long	Each	300.00	38.00	11 400.00	3.55	41.55	7.48	49.03	7.35	56.38	16 915.45	
17	1878	Shower rose C.P brass for 15 to 20mm inlet 100 mm dia	Each	30.00	121.00	3 630.00	11.31	132.31	23.82	156.12	23.42	179.54	5 386.24	
18	7509	PTMT Soap Dish/Holder 138*102*75mm	Each	200.00	63.00	12 600.00	5.89	68.89	12.40	81.29	12.19	93.48	18 696.03	
19	7508	PTMT Urinal spreader 15mm	Each	50.00	60.00	3 000.00	5.61	65.61	11.81	77.42	11.61	89.03	4 451.43	
20	7504	PTMT Tower ring 251*200*37mm	Each	250.00	117.00	29 250.00	10.93	127.93	23.03	150.96	22.64	173.61	43 401.49	
21	7505	PTMT Tower Rail (450mm long)	Each	200.00	132.00	26 400.00	12.34	144.34	25.98	170.32	25.55	195.86	39 172.63	
22	1956	Bolts and nuts 16mm dia 60mm long	Each	100.00	12.00	1 200.00	1.12	13.12	2.36	15.48	2.32	17.81	1 780.57	
23	1958	Bolts and nuts 20mm dia 60mm long	Each	100.00	15.00	1 500.00	1.40	16.40	2.95	19.35	2.90	22.26	2 225.72	
24	367	Portland Cement (OPC-43 Grade)	Tonne	5.00	5 156.00	25 780.00	481.83	5 637.83	1014.81	6 652.64	997.90	7 650.53	38 252.66	
25	983	Fine Sand (Zone 4)	Cum	45.00	980.00	44 100.00	91.58	1071.58	192.88	1 264.47	189.67	1 454.14	65 436.09	
26	982	Coarse Sand (Zone 4)	Cum	45.00	1 450.00	65 250.00	135.50	1 585.50	285.39	1 870.89	280.63	2 151.53	96 818.71	
27	295	Stone Aggregate 20mm	Cum	30.00	1 425.00	42 750.00	133.17	1 558.17	280.47	1 838.64	275.80	2 114.43	63 432.95	
28	1309	C.I Bracket for wash basin and sinks	Pair	100.00	95.00	9 500.00	8.88	103.88	18.70	122.58	18.39	140.96	14 096.21	
29	7114	Oval shape 450x350 mm (outer dimensions) Mirror with Plastic moulded frame	Each	200.00	319.00	63 800.00	29.81	348.81	62.79	411.60	61.74	473.34	94 667.18	
30	1871	White vitreous china labortary sink 450*300*150mm	Each	50.00	1 650.00	82 500.00	154.19	1 804.19	324.75	2 128.95	319.34	2 448.29	1 22 414.46	
31	1872	White vitreous china labortary sink 600*450*200mm	Each	50.00	2 750.00	1 37 500.00	256.99	3 006.99	541.26	3 548.25	532.24	4 080.48	2 04 024.10	
32	1875	White plastic seat with C.P Brass hinges and rubber buffers	Each	100.00	451.00	45 100.00	42.15	493.15	88.77	581.91	87.29	669.20	66 919.91	
33	1885	15mm C.P Brass tap	Each	300.00	297.00	89 100.00	27.75	324.75	58.46	383.21	57.48	440.69	1 32 207.62	
34	1889	C.P Brass toilet paper holder of standard size	Each	100.00	308.00	30 800.00	28.78	336.78	60.62	397.40	59.61	457.01	45 701.40	
35	1947	Vitreous china flat back wash basin 630*450mm	Each	60.00	798.00	47 880.00	74.57	872.57	157.06	1 029.64	154.45	1 184.08	71 044.90	
36	3229	Vitreous china flat back wash basin 550*400mm	Each	60.00	554.00	33 240.00	51.77	605.77	109.04	714.81	107.22	822.03	49 321.90	
37	7004	Vitreous china flat back wash basin 450*300mm	Each	60.00	297.00	17 820.00	27.75	324.75	58.46	383.21	57.48	440.69	26 441.52	
38	593	C.P Brass extension nipple (1/2") size	Each	200.00	46.00	9 200.00	4.30	50.30	9.05	59.35	8.90	68.26	13 651.07	
39	7363	15mm C.P Brass tap with elbow operation lever	Each	100.00	464.00	46 400.00	43.36	507.36	91.32	598.69	89.80	688.49	68 848.86	
40	999	Shellac	Kg	20.00	300.00	6 000.00	28.04	328.04	59.05	387.08	58.06	445.14	8 902.87	
41	8636	CPVC pipe 15mm dia	Meter	200.00	46.00	9 200.00	4.30	50.30	9.05	59.35	8.90	68.26	13 651.07	
42	8637	CPVC pipe 20mm dia	Meter	300.00	59.00	17 700.00	5.51	64.51	11.61	76.13	11.42	87.54	26 263.47	
43	8638	CPVC pipe 25mm dia	Meter	300.00	95.00	28 500.00	8.88	103.88	18.70	122.58	18.39	140.96	42 288.63	
44	8639	CPVC pipe 32mm dia	Meter	100.00	140.00	14 000.00	13.08	153.08	27.55	180.64	27.10	207.73	20 773.36	
45	8640	CPVC pipe 40mm dia	Meter	100.00	200.00	20 000.00	18.69	218.69	39.36	258.05	38.71	296.76	29 676.23	
46	8641	CPVC pipe 50mm dia	Meter	100.00	325.00	32 500.00	30.37	355.37	63.97	419.34	62.90	482.24	48 223.88	
47	1933	Gunmetal non-return valve- horizontal (screwed end) 25mm dia	Each	40.00	385.00	15 400.00	35.98	420.98	75.78	496.75	74.51	571.27	22 850.70	
48	1954	Vitreous china orrisna type W.C. pan size 580mm	Each	30.00	1 350.00	40 500.00	126.16	1 476.16	265.71	1 741.87	261.28	2 003.15	60 094.37	
49	2602	Common burnt clay F.P.S (non-mouldar) bricks class designation 7.5	1000no.	16.00	4 724.00	75 584.00	441.46	5 165.46	929.78	6 095.24	914.29	7 009.53	1 12 152.42	
50	7096	Stainless steel kitchen sink with drain board 510*1040mm bowl	Each	20.00	3 600.00	72 000.00	336.42	3 936.42	708.56	4 644.98	696.75	5 341.72	1 06 834.44	
51	7101	Stainless steel kitchen sink with drain board 510*510mm bowl	Each	20.00	2 350.00	47 000.00	219.61	2 569.61	462.53	3 032.14	454.82	3 486.96	69 739.15	
52	7118	Semi rigid PVC waste pipe for sink and wash basin 40mm dia	Each	100.00	36.00	3 600.00	3.36	39.36	7.09	46.45	6.97	53.42	5 341.72	
53	7361	PVC automatic flusing cistern 10 liters capacity	Each	50.00	545.00	27 250.00	50.93	595.93	107.27	703.20	105.48	808.68	40 433.87	
54	7126	White Vitreous China 10 liter full flush capacity	Each	20.00	730.00	14 600.00	68.22	798.22	143.68	941.90	141.28	1 083.18	21 663.65	
55	368	white cement	Tonne	1.00	10 500.00	10 500.00	981.23	11 481.23	2 066.62	13 547.85	2 032.18	15 580.02	15 580.02	
56	362	brick bats	Cum	20.00	525.00	10 500.00	49.06	574.06	103.33	677.39	101.61	779.00	15 580.02	
57	555	Chromium plated brass handle 125mm with plate 175*32mm	Each	300.00	152.00	45 600.00	14.20	166.20	29.92	196.12	29.42	225.54	67 661.81	
58	556	Chromium plated brass handle 100mm with plate 150*32mm	Each	300.00	135.00	40 500.00	12.62	147.62	26.57	174.19	26.13	200.31	60 094.37	
59	558	Chromium plated brass mortice latch and lock 100*65mm with	Each	200.00	541.00	1 08 200.00	50.56	591.56	106.48	698.04	104.71	802.74	1 60 548.42	
60	584	Chromium plated brass Wardrobe knob 50mm	Each	200.00	93.00	18 600.00	8.69	101.69	18.30	120.00	18.00	137.99	27 598.90	
61	589	Chromium plated brass screws 20mm	100no.	11.00	152.00	1 672.00	14.20	166.20	29.92	196.12	29.42	225.54	2 480.93	
62	588	Chromium plated brass screws 25mm	100no.	11.00	177.00	1 947.00	16.54	193.54	34.84	228.38	34.26	262.63	2 888.98	
63	642	Oxidised mild steel butt hinges 125*65*2.12mm	10no.	54.00	135.00	7 290.00	12.62	147.62	26.57	174.19	26.13	200.31	10 816.99	
64	643	Oxidised mild steel butt hinges 100*58*1.90mm	10no.	32.00	96.00	3 072.00	8.97	104.97	18.89	123.87	18.58	142.45	4 558.27	
65	660	Oxidised mild steel sliding door bolt 300*16mm	Each	100.00	100.00	10 000.00	9.35	109.35	19.68	129.03	19.35	148.38	14 838.12	
66	661	Oxidised mild steel sliding door bolt 250*16mm	Each	100.00	85.00	8 500.00	7.94	92.94	16.73	109.67	16.45	126.12	12 612.40	
67	662	Oxidised mild steel door latch 300*20*6mm	Each	100.00	55.00	5 500.00	5.14	60.14	10.83	70.96	10.64	81.61	8 160.96	
68	663	Oxidised mild steel door latch 250*20*6mm	Each	100.00	42.00	4 200.00	3.92	45.92	8.27	54.19	8.13	62.32	6 232.01	
69	664	Oxidised mild steel tower bolt (barrel type) 250*10mm	Each	300.00	45.00	13 500.00	4.21	49.21	8.86	58.06	8.71	66.77	20 031.46	
70	665	Oxidised mild steel tower bolt (barrel type) 200*10mm	Each	200.00	36.00	7 200.00	3.36	39.36	7.09	46.45	6.97	53.42	10 683.44	
71	668	Oxidised mild steel handles 125mm	Each	200.00	21.00	4 200.00	1.96	22.96	4.13	27.10	4.06	31.16	6 232.01	
72	669	Oxidised mild steel handles 100mm	Each	200.00	16.00	3 200.00	1.50	17.50	3.15	20.64	3.10	23.74	4 748.20	
73	686	Oxidised mild steel screws20mm	100no.	20.00	33.00	660.00	3.08	36.08	6.50	42.58	6.39	48.97	979.32	
74	685	Oxidised mild steel screws25mm	100no.	20.00	39.00	780.00	3.64	42.64	7.68	50.32	7.55	57.87	1 157.37	
75	1356	500mm dia cover with frame ( medium duty)	Each	20.00	4 400.00	88 000.00	411.18	4 811.18	866.01	5 677.19	851.58	6 528.77	1 30 575.43	
76	1357	500mm dia cover without frame ( medium duty)	Each	20.00	2 300.00	46 000.00	214.94	2 514.94	452.69	2 967.62	445.14	3 412.77	68 255.34	
77	1354	Rectangular cover 455*610mm with frame (low duty)	Each	20.00	1 5									

111	2413	12 mm commercial ply	Sqm	90.00	527.00	47 430.00	49.25	576.25	103.72	679.97	102.00	781.97	70 377.19
112	7269	25 mm thick particle board	Sqm	50.00	450.00	22 500.00	42.05	492.05	88.57	580.62	87.09	667.72	33 385.76
113	7297	granite of any colour 18 mm thick	Sqm	20.00	1 076.00	21 520.00	100.55	1 176.55	211.78	1 388.33	208.25	1 596.58	31 931.63
114	8665	Aluminium round shap handle 100 mm	Each	100.00	71.00	7 100.00	6.63	77.63	13.97	91.61	13.74	105.35	10 535.06
115	8688	Glass beads	Kg	200.00	77.50	15 500.00	7.24	84.74	15.25	100.00	15.00	115.00	22 999.08
116	8726	1.5 mm laminated sheet	Sqm	100.00	418.00	41 800.00	39.06	457.06	82.27	539.33	80.90	620.23	62 023.33
117	444	Brass curtain rod 20mm dia	Mtr	300.00	154.00	46 200.00	14.39	168.39	30.31	198.70	29.81	228.51	68 552.10
118	446	Brass brackets ( curtain rods ) 20mm dia	Each	500.00	49.00	24 500.00	4.58	53.58	9.64	63.22	9.48	72.71	36 353.39
119	558	Brass mortice latch and lock 100*65 mm	Each	60.00	541.00	32 460.00	50.56	591.56	106.48	698.04	104.71	802.74	48 164.53
120	2406	Floot glass sheet 4mm	Sqm	40.00	321.00	12 840.00	30.00	351.00	63.18	414.18	62.13	476.30	19 052.14
121	2402	Epoxy adhesive	Kg	40.00	160.00	6 400.00	14.95	174.95	31.49	206.44	30.97	237.41	9 496.39
122	702	Anodised Aluminium tower bolt (barrel type) 100x10 mm	10 nos	200.00	240.00	48 000.00	22.43	262.43	47.24	309.67	46.45	356.11	71 222.96
123	696	Anodised Aluminium sliding door bolt 300x16 mm	Each	200.00	160.00	32 000.00	14.95	174.95	31.49	206.44	30.97	237.41	47 481.97
124	1953	Vitreous china Indian type W.C. pan of size 580 mm	Each	20.00	500.00	10 000.00	46.73	546.73	98.41	645.14	96.77	741.91	14 838.12
125	2407	float glass panes of nominal thickness 5 mm (weight not less than 12.50 kg/sqm)	Each	40.00	529.00	21 160.00	49.44	578.44	104.12	682.55	102.38	784.94	31 397.45
126	7394	Double action hydraulic floor spring with stainless steel cover plate	Each	40.00	1 615.00	64 600.00	150.92	1 765.92	317.87	2 083.79	312.57	2 396.36	95 854.23
127	8647	Stainless steel screws 30 mm x4 mm	100 nos	200.00	42.00	8 400.00	3.92	45.92	8.27	54.19	8.13	62.32	12 464.02
128	1219	Nails	Kg	20.00	58.00	1 160.00	5.42	63.42	11.42	74.84	11.23	86.06	1 721.22
130	7121	Bottle trap	Each	100.00	682.00	68 200.00	63.73	745.73	134.23	879.96	131.99	1 011.96	101 195.95
131	8646	Weather silicon sealant(cartridge)	Each	50.00	125.00	6 250.00	11.68	136.68	24.60	161.28	24.19	185.48	9 273.82
132	8778	Toughened glass 12mm thick	Sqm	50.00	1 925.00	96 250.00	179.89	2 104.89	378.88	2 483.77	372.57	2 856.34	1 42 816.87
133	7059	Aluminium hanging floor door stopper with twin rubber	Each	200.00	44.00	8 800.00	4.11	48.11	8.66	56.77	8.52	65.29	13 057.54
134	7921	Acrylic Polymer chemical for cracks	Kg	20.00	2.00	40.00	.19	2.19	.39	2.58	.39	2.97	59.35
135	8597	GI Metal Tile Clip in Plain Beveled edge global white colour tiles of size 600x600 mm and 0.5 mm thick	Sqm	50.00	793.00	39 650.00	74.11	867.11	156.08	1 023.18	153.48	1 176.66	58 833.13
136	8566	Powder coated steel section main-T ceiling sections 15x42x0.40 mm (3000 mm long)	Each	200.00	296.00	59 200.00	27.66	323.66	58.26	381.92	57.29	439.21	87 841.65
137	8568	Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40 mm (1200 mm long)	Each	200.00	120.00	24 000.00	11.21	131.21	23.62	154.83	23.22	178.06	35 611.48
138	8569	Powder coated Galvanised Iron intermediate cross-T section 15x42x0.40mm (600 mm long )	Each	200.00	60.00	12 000.00	5.61	65.61	11.81	77.42	11.61	89.03	17 805.74
139	7187	C.I. grating 150 mm dia, weighing not less than 440 gm	Each	50.00	29.00	1 450.00	2.71	31.71	5.71	37.42	5.61	43.03	2 151.53
140	7003	Pair of Anodised Aluminium lever handles for 100 mm mortice latch and lock	Each	50.00	237.00	11 850.00	22.15	259.15	46.65	305.79	45.87	351.66	17 583.17
141	7019	Dash fastener	Each	100.00	13.00	1 300.00	1.21	14.21	2.56	16.77	2.52	19.29	1 928.96
142	7335	Binding wire	Kg	10.00	50.00	500.00	4.67	54.67	9.84	64.51	9.68	74.19	741.91
143	7449	Aluminium U beading	Kg	50.00	220.00	11 000.00	20.56	240.56	43.30	283.86	42.58	326.44	16 321.93
144	2611	EPDM Gasket in Kg (Above 60 g / m)	Kg	30.00	163.00	4 890.00	15.23	178.23	32.08	210.31	31.55	241.86	7 255.84
145	7506	PTMT - Towel Rail (600 mm long)	Each	50.00	157.00	7 850.00	14.67	171.67	30.90	202.57	30.39	232.96	11 647.92
146	8588	Galavanised MS hanger rod 6mm dia MS fully threaded up to 1000mm length	Each	100.00	17.00	1 700.00	1.59	18.59	3.35	21.93	3.29	25.22	2 522.48
147	1922	H.P. or L.P. ball valve with polythene floats: 15 mm dia.	Each	100.00	237.00	23 700.00	22.15	259.15	46.65	305.79	45.87	351.66	35 166.34
148	1246	Silicon based Joint Sealant for Tiles	Kg	40.00	160.00	6 400.00	14.95	174.95	31.49	206.44	30.97	237.41	9 496.39
149	431	Brass hasps and staples (safety type) 150 mm 10 Nos	Each	50.00	814.00	40 700.00	76.07	890.07	160.21	1 050.28	157.54	1 207.82	60 391.13
150	2451	Brass cupboard lock 6 levers of approved quality, 40 mm size	Each	80.00	58.00	4 640.00	5.42	63.42	11.42	74.84	11.23	86.06	6 884.89
151	554	125mm SS fancy handles for kitchen cabinet	Each	100.00	710.00	71 000.00	66.35	776.35	139.74	916.09	137.41	1 053.51	1 05 350.63
152	593	C.P. Brass Extension Nipple (1/2"x2" size)	Each	100.00	46.00	4 600.00	4.30	50.30	9.05	59.35	8.90	68.26	6 825.53
153	714	Block board construction flush door with teak wood ply on both faces 30 mm thick	Sqm	30.00	1 645.00	49 350.00	153.73	1 798.73	323.77	2 122.50	318.37	2 440.87	73 226.10
154	828	Anticorrosive bituminous paint (black)	Litre	30.00	120.00	3 600.00	11.21	131.21	23.62	154.83	23.22	178.06	5 341.72
155	992	Galvanised steel plain sheets	Quintal	0.60	6 800.00	4 080.00	635.46	7 435.46	1 338.38	8 773.84	1 316.08	10 089.92	6 053.95
156	1019	Mild steel hooks	Each	200.00	32.00	6 400.00	2.99	34.99	6.30	41.29	6.19	47.48	9 496.39
157	1220	Wire mesh (rabbit)	Sqm	50.00	42.00	2 100.00	3.92	45.92	8.27	54.19	8.13	62.32	3 116.00
158	1950	Vitreous china angle back wash basin 400x400 mm	Each	30.00	468.00	14 040.00	43.73	511.73	92.11	603.85	90.58	694.42	20 832.72
159	1951	C.P. brass waste 32 mm.	Each	70.00	94.00	6 580.00	8.78	102.78	18.50	121.29	18.19	139.48	9 763.48
160	7363	15 mm C.P. brass tap with elbow operation lever	Each	60.00	464.00	27 840.00	43.36	507.36	91.32	598.69	89.80	688.49	41 309.32
161	351	0351 Integral crystalline slurry	Kg	100.00	214.00	21 400.00	20.00	234.00	42.12	276.12	41.42	317.54	31 753.57
162	353	0353 Crystalline mortar	Kg	300.00	209.00	62 700.00	19.53	228.53	41.14	269.67	40.45	310.12	93 034.99
163	1330	Clamps and M.S. stays including bolts and nuts for 100 mm pipe	Each	100.00	67.50	6 750.00	6.31	73.81	13.29	87.09	13.06	100.16	10 015.73

		Sub Total 1:											57 83 549.12

NDSR ITEMS:												
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Sl.No	NDSR/MR	Description	Unit	Qty	Rate incl of GST	Amount					Add CPOH @ 15%	Final Rate	Final Amount	
1	NDSR	CPVC Elbow 90 15*15 mm (Brass)	Each	100.00	39.52	3 952.00					5.93	45.45	4 544.80	
2	NDSR	CPVC Elbow 90 20*15 mm (Brass)	Each	100.00	42.35	4 235.00					6.35	48.70	4 870.25	
3	NDSR	CPVC Elbow 90 20*20 mm (Brass)	Each	100.00	48.95	4 895.00					7.34	56.29	5 629.25	
4	NDSR	CPVC Elbow 15 mm	Each	100.00	10.20	1 020.00					1.53	11.73	1 173.00	
5	NDSR	CPVC Elbow 25 mm	Each	200.00	21.46	4 292.00					3.22	24.68	4 935.80	
6	NDSR	CPVC Reducing Elbow 20mm to 15mm	Each	100.00	36.64	3 664.00					5.50	42.14	4 213.60	
7	NDSR	CPVC Reducing Elbow 25mm to 15mm	Each	100.00	45.65	4 565.00					6.85	52.50	5 249.75	
8	NDSR	CPVC Reducing Elbow 25mm to 20mm	Each	100.00	52.45	5 245.00					7.87	60.32	6 031.75	
9	NDSR	CPVC Tee 15mm	Each	100.00	17.26	1 726.00					2.59	19.85	1 984.90	
10	NDSR	CPVC Tee 25mm	Each	100.00	26.68	2 668.00					4.00	30.68	3 068.20	
11	NDSR	CPVC Reducer Tee 20*20*15	Each	100.00	45.78	4 578.00					6.87	52.65	5 264.70	
12	NDSR	CPVC Reducer Tee 25*25*15	Each	100.00	48.56	4 856.00					7.28	55.84	5 584.40	
13	NDSR	CPVC Reducer Tee 25*25*20	Each	100.00	52.69	5 269.00					7.90	60.59	6 059.35	
14	NDSR	CPVC Coupling ( collar) 15 mm	Each	100.00	8.64	864.00					1.30	9.94	993.60	
15	NDSR	CPVC Coupling 25 mm	Each	100.00	14.40	1 440.00					2.16	16.56	1 656.00	
16	NDSR	CPVC Reducing Coupling 20 *15	Each	100.00	41.72	4 172.00					6.26	47.98	4 797.80	
17	NDSR	CPVC Reducing Coupling 25 *15	Each	100.00	46.50	4 650.00					6.98	53.48	5 347.50	
18	NDSR	CPVC Reducing Coupling 25 *20	Each	100.00	54.36	5 436.00					8.15	62.51	6 251.40	
19	NDSR	CPVC MAPT 15 mm	Each	100.00	12.56	1 256.00					1.88	14.44	1 444.40	
20	NDSR	CPVC MAPT 25 mm	Each	100.00	18.32	1 832.00					2.75	21.07	2 106.80	
21	NDSR	CPVC FAPT 15 mm	Each	100.00	15.96	1 596.00					2.39	18.35	1 835.40	
22	NDSR	CPVC FAPT 25 mm	Each	100.00	23.82	2 382.00					3.57	27.39	2 739.30	
23	NDSR	CPVC Union 25 mm	Each	100.00	59.92	5 992.00					8.99	68.91	6 890.80	
24	NDSR	CPVC End cap 15 mm	Each	50.00	7.60	380.00					1.14	8.74	437.00	
25	NDSR	CPVC End cap 25 mm	Each	50.00	12.04	602.00					1.81	13.85	692.30	
26	NDSR	CPVC Elbow 45 15 mm	Each	100.00	15.18	1 518.00					2.28	17.46	1 745.70	
27	NDSR	CPVC Elbow 45 25 mm	Each	100.00	26.16	2 616.00					3.92	30.08	3 008.40	
28	NDSR	CPVC Bushing 15 mm	Each	50.00	10.46	523.00					1.57	12.03	601.45	
29	NDSR	CPVC Bushing 25 mm	Each	50.00	15.36	768.00					2.30	17.66	883.20	
30	NDSR	Tank nipple (Adaptor) 25 mm	Each	10.00	52.80	528.00					7.92	60.72	607.20	
35	NDSR	CPVC Ball valve / gate valve 15mm	Each	50.00	125.60	6 280.00					18.84	144.44	7 222.00	
36	NDSR	CPVC Ball valve / gate valve 25mm	Each	50.00	220.50	11 025.00					33.08	253.58	12 678.75	
37	NDSR	CPVC Solvent	Tin of 946 ml	60.00	2 350.00	1 41 000.00					352.50	2 702.50	1 62 150.00	
38	NDSR	Health Faucet Jaquar code ALD-CHR-587	Each	200.00	1 815.00	3 63 000.00					272.25	2 087.25	4 17 450.00	
39	NDSR	Spindle for tap	Each	400.00	385.23	1 54 092.00					57.78	443.01	1 77 205.80	
40	NDSR	Steel jali ( grating )100mm	Each	80.00	50.00	4 000.00					7.50	57.50	4 600.00	

[illegible]

CIVIL ITEMS WORK ABSTRACT:									
Name of Work : " Annual Repair and Maintenance (ARMO-Civil) Works of Medical College and Hospital Building , Hostel Buildings ,Type-I to VI Staff Quarters at ESIC Campus, Kalaburagi"									
A. CIVIL WORK SCHEDULE									
Sl. No	DSR No.2023	Description of Items	Units	Rate	Quantity	Amount	Add CI @ 9.345%	Final Rate	Final Amount
		DSR ITEMS							
	Earth Work								
1	1.1.18	Disposal of moorum/ building rubbish/ malba/ similar unserviceable, dismantled or waste material by mechanical transport including loading, transporting, unloading to approved municipal dumping ground for lead upto 10 km for all lifts, complete as per directions of Engineer-in-Charge.	Cum	494.10	500.00	2,47,050.00	46.17	540.27	2,70,136.82
2	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					-		
	2.8.1	All kinds of soil	Cum	260.30	200.00	52,060.00	24.33	284.63	56,925.01
3	2.10	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth upto 1.5 m, 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 :					-		
	2.10.1	All kinds of soil					-		
	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	metre	352.15	500.00	1,76,075.00	32.91	385.06	1,92,529.21
4	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	196.00	100.00	19,600.00	18.32	214.32	21,431.62
5	2.28	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.					-		
	2.28.1	All kinds of soil	Sqm	34.15	1 000.00	34,150.00	3.19	37.34	37,341.32
6	2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth up to 30 cm measured at a height of 1 m above ground level and removal of rubbish up to a distance of 50 m outside the periphery of the area cleared. 3 times cleaning	Sqm	17.60	95 000.00	16,72,000.00	1.64	19.24	18,28,248.40
Concrete works									
7	4.17	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement :3 coarse sand : 6graded stone aggregate 20mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.	Sqm	749.30	400.00	2,99,720.00	70.02	819.32	3,27,728.83
8	4.1	Providing and Laying in position cement concrete of specified grade excluding the cost of centering and shuttering -all work upto Plinth Level:							
	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) : 8 graded stone aggregate 40 mm nominal size)	Cum	6 812.00	25.00	1,70,300.00	636.58	7,448.58	1,86,214.54
9	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing :					-		
	4.2.5	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size)	Cum	9 311.40	40.00	3,72,456.00	870.15	10,181.55	4,07,262.01
10	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for					-		
	4.3.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps	Sqm	842.50	50.00	42,125.00	78.73	921.23	46,061.58
Reinforced Concrete works									
11	5.3	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) : 3 graded stone aggregate 20 mm nominal size).	cum	11 505.50	20.00	2,30,110.00	1,075.19	12,580.69	2,51,613.78
12	5.9	Centering and shuttering including strutting, propping etc. and removal of form for all heights :					-		
	5.9.3	Suspended floors, roofs, landings, balconies and access platform	sqm	927.25	200.00	1,85,450.00	86.65	1,013.90	2,02,780.30
13	5.22A	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					-		

	5.22A.6	Thermo-Mechanically Treated bars of grade Fe-500 D or more	kg	107.85	2 000.00	2,15,700.00	10.08	117.93	2,35,857.17
<b>Brick Work</b>									
14	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:					-		
	6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	7 132.25	30.00	2,13,967.50	666.51	7,798.76	2,33,962.76
15	6.4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in :					-		
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	9 105.95	5.00	45,529.75	850.95	9,956.90	49,784.51
16	6.13	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level.					-		
	6.13.1	Cement mortar 1:3 (1 cement :3 coarse sand)	sqm	1 150.50	20.00	23,010.00	107.51	1,258.01	25,160.28
							-		
<b>Granite Work</b>									
17	8.2	Providing and fixing 18 mm thick gang saw cut, mirror polished, premoulded and prepolished, machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels.					-		
	8.2.2.2	Granite of any colour and shade Area of slab over 0.50 sqm	sqm	5 136.30	70.00	3,59,541.00	479.99	5,616.29	3,93,140.11
18	8.3	Providing edge moulding to 18 mm thick marble stone counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.					-		
	8.3.2	Granite work	metre	510.95	150.00	76,642.50	47.75	558.70	83,804.74
19	8.4	Extra for fixing marble /granite stone, over and above corresponding basic item, in facia and drops of width upto 150 mm with epoxy resin based adhesive, including cleaning etc. complete.	metre	568.55	200.00	1,13,710.00	53.13	621.68	1,24,336.20
20	8.5	Extra for providing opening of required size & shape for wash basin/ kitchen sink in kitchen platform, vanity counter and similar location in marble/ Granite/ stone work, including necessary holes for pillar taps etc. including moulding, rubbing and polishing of cut edges etc. complete	each	978.70	100.00	97,870.00	91.46	1,070.16	1,07,015.95
21	8.6	Mirror polishing on marble work/Granite work/stone work where ever required to give high gloss finish complete.	sqm	506.70	50.00	25,335.00	47.35	554.05	27,702.56
22	8.8	Providing and fixing expansion hold fasteners on C.C. /R.C.C./Brick masonry surface backing including drilling necessary holes and the cost of bolt etc complete.					-		
	8.8.1	Wedge expansion type					-		
	8.8.1.3	Fastener with threaded dia 12 mm	each	61.70	1 000.00	61,700.00	5.77	67.47	67,465.87
23	8.20	Providing and fixing dry cladding upto 10 metre heights with 30mm thick gang saw cut stone with (machine cut edges) of uniform colour and size upto 1mx1m, fixed to structural steel frame work and/ or with the help of cramps, pins etc. and sealing the joints with approved weather sealant as per Architectural drawing and direction of Engineer-in-charge. (The steel frame work, stainless steel cramps and pins etc. shall be paid for separately).					-		
	8.20.2	White sand stone - 30mm thick gang saw cut stone.	sqm	3 040.10	20.00	60,802.00	284.10	3,324.20	66,483.95
24	8.19	Extra for stone work for wall lining on exterior walls of height more than 10 m from ground level for every additional height of 3 m or part there of	sqm	165.85	20.00	3,317.00	15.50	181.35	3,626.97
25	8.22	Providing and fixing adjustable stainless steel cramps of approved quality, required shape and size, adjustable with stainless steel nuts, bolts and washer (total weight not less than 260 gms), for dry stone cladding fixed on frame work at suitable location, including making necessary recesses in stone slab, drilling required holes etc complete as per direction of the Engineer-in-charge.	each	437.00	20.00	8,740.00	40.84	477.84	9,556.75
<b>Wood &amp; PVC Work</b>									
26	9.1	Providing wood work in frames of doors, windows, clerestory windows and other frames, wrought framed and fixed in position with hold fast lugs or with dash fasteners of required dia & length ( hold fast lugs or dash fastener shall be paid for separately).					-		
	9.1.1	Second class teak wood	cum	1 42 949.70	.40	57,179.88	13,358.65	1,56,308.35	62,523.34
	9.1.2	Sal wood ( Repair of door, window of hospital, ESID & BO)	Cum	1 16 520.30	.40	46,608.12	10,888.82	1,27,409.12	50,963.65
27	9.6	Providing and fixing 35 mm thick factory made laminated veneer lumber door shutter conforming to IS : 14616 and TADS 15:2001 (Part B), including ISI marked M.S. pressed butt hinges bright finished of required size with necessary screws, all complete as per directions of Engineer-in- charge and panelling with panels of :					-		
	9.6.3	12 mm thick one side Pre-laminated particle board (decorative lamination on one side and other sides balancing lamination) grade - 1, medium density flat pressed, three layer particle board FPT - I or graded wood particle board FPT-1 conforming to IS : 3087 bonded with BWP type synthetic resin adhesive as per IS : 848 and pre-laminated conforming to IS : 12823, Grade -1, Type II marked :	sqm	3 450.30	50.00	1,72,515.00	322.43	3,772.73	1,88,636.53
28	9.51	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete.					-		
	9.51.1	With 2nd class teak wood beading 62X19 mm	sqm	1 308.35	50.00	65,417.50	122.27	1,430.62	71,530.77





41	10.3	Providing and fixing in position collapsible steel shutters with vertical channels 20x10x2 mm and braced with flat iron diagonals 20x5 mm size, with top and bottom rail of T-iron 40x40x6 mm, with 40 mm dia steel pulleys, complete with bolts, nuts, locking arrangement, stoppers, handles, including applying a priming coat of approved steel primer.	sqm	11 439.60	20.00	2,28,792.00	1,069.03	12,508.63	2,50,172.61
42	10.16	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.					-		
	10.16.2	Hot finished seamless type tubes	kg	206.35	2 500.00	5,15,875.00	19.28	225.63	5,64,083.52
43	10.22	Welding by gas or electric plant including transportation of plant at site etc. complete.	cm.	3.70	2 050.00	7,585.00	0.35	4.05	8,294.00
44	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.					-		
	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	kg	172.60	2 050.00	3,53,830.00	16.13	188.73	3,86,895.41
45	10.28	Providing and fixing stainless steel ( Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners , stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in-charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts, bolts, fasteners etc.).	kg	772.40	100.00	77,240.00	72.18	844.58	84,458.08
<b>Flooring</b>									
46	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm,including pointing in white cement mixed with pigment of matching shade complete.	Sqm	1 267.95	150.00	1,90,192.50	118.49	1,386.44	2,07,965.99
47	11.26	Kota stone slab flooring over 20 mm (average) thick base laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab, including rubbing and polishing complete with base of cement mortar 1 : 4 (1 cement : 4 coarse sand) :					-		
	11.26.1	25 mm thick	sqm	1 948.25	100.00	1,94,825.00	182.06	2,130.31	2,13,031.40
48	11.39	Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.	Sqm	1 330.00	100.00	1,33,000.00	124.29	1,454.29	1,45,428.85
49	11.41	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete.					-		
	11.41.2	Size of Tile 600x600 mm	Sqm	1 553.45	100.00	1,55,345.00	145.17	1,698.62	1,69,861.99
50	11.56	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge.					-		
	11.56.1	Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye or equivalent.	sqm	4 481.30	20.00	89,626.00	418.78	4,900.08	98,001.55
<b>Roofing</b>									
51	12.31.1	Providing and fixing 10 mm thick plaster of paris gypsum ceiling up to a height 5 m above floor level, over first class kail wood strips 25*6 mm with 10 mm gap in between frame <b>flate surface</b> .	sqm	1 718.95	40.00	68,758.00	160.64	1,879.59	75,183.44
52	12.41	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,					-		
	12.41.2	110 mm dia	meter	377.40	100.00	37,740.00	35.27	412.67	41,266.80
53	12.42	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.					-		
	12.42.1	Coupler					-		
54	12.42.1.2	110 mm	Each	136.15	40.00	5,446.00	12.72	148.87	5,954.93
	12.42.3	Single tee with door					-		
55	12.42.3.2	110 mm	Each	234.15	40.00	9,366.00	21.88	256.03	10,241.25

	12.42.5	Bend 87.5 degree					-		
56	12.42.5.2	110 mm	Each	150.35	40.00	6,014.00	14.05	164.40	6,576.01
	12.42.6	Shoe (Plain)					-		
57	12.42.6.2	110 mm	Each	131.85	40.00	5,274.00	12.32	144.17	5,766.86
58	12.43	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.					-		
	12.43.2	110 mm	Each	371.30	50.00	18,565.00	34.70	406.00	20,299.90
59	12.44	Providing and fixing to the inlet mouth of rain water pipe cast iron grating 15 cm diameter and weighing not less than 440 grams.	Each	54.70	50.00	2,735.00	5.11	59.81	2,990.59
60	12.45	Providing and fixing false ceiling at all height including providing and fixing of frame work made of special sections, power pressed from M.S. sheets and galvanized with zinc coating of 120 gms/sqm (both side inclusive) as per IS : 277 and consisting of angle cleats of size 25 mm wide x 1.6 mm thick with flanges of 27 mm and 37mm, at 1200 mm centre to centre, one flange fixed to the ceiling with dash fastener 12.5 mm dia x 50mm long with 6mm dia bolts, other flange of cleat fixed to the angle hangers of 25x10x0.50 mm of required length with nuts & bolts of required size and other end of angle hanger fixed with intermediate G.I. channels 15x15x0.9 mm running at the spacing of 1200 mm centre to centre, to which the ceiling section 0.5 mm thick bottom wedge of 80 mm with tapered flanges of 26 mm each having lips of 10.5 mm, at 450 mm centre to centre, shall be fixed in a direction perpendicular to G.I. intermediate channel with connecting clips made out of 2.64 mm dia x 230 mm long G.I. wire at every junction, including fixing perimeter channels 0.5 mm thick 27 mm high having flanges of 20 mm and 30 mm long, the perimeter of ceiling fixed to wall/partition with the help of rawl plugs at 450 mm centre, with 25mm long dry wall screws @ 230 mm interval, including fixing of gypsum board to ceiling section and perimeter channel with the help of dry wall screws of size 3.5 x 25 mm at 230 mm c/c, including jointing and finishing to a flush finish of tapered and square edges of the board with recommended jointing compound , jointing tapes , finishing with jointing compound in 3 layers covering upto 150 mm on both sides of joint and two coats of primer suitable for board, all as per manufacturer's specification and also including the cost of making					-		
	12.45.1	12.5 mm thick tapered edge gypsum plain board conforming to IS: 2095- (Part I) : 2011 (Board with BIS certification marks)	sqm	1 355.80	300.00	4,06,740.00	126.70	1,482.50	4,44,749.85
61	12.46	Providing and fixing to the inlet mouth of rain water pipe PTMT (an Engineering Thermoplastic) grating square (Slit) 150 mm square with a height of 8 mm and weighing not less than 100 gms.	Each	84.55	40.00	3,382.00	7.90	92.45	3,698.05
62	12.50	Providing and fixing pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per sqm as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	Sqm	738.65	40.00	29,546.00	69.03	807.68	32,307.07
63	12.52	Providing and fixing tiled false ceiling of specified materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections ( galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum) sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanized butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge.					-		
	12.52.1	GI Metal Ceiling Lay in plain Tegular edge Global white color tiles of size 595x595 mm, and 0.5 mm thick with 8 mm drop; made of G I sheet having galvanizing of 100 gms/sqm (both sides inclusive) and electro statically polyester powder coated of thickness 60 microns (minimum), including factory painted after bending	Sqm	1 902.95	50.00	95,147.50	177.83	2,080.78	1,04,039.03

64	12.52.4	12.5 mm thick fully Perforated Gypsum Board tile made from plasterboard having glass fibre conforming to IS: 2095 part I, of size 595x595 mm, having perforation of 9.7x9.7 mm at 19.4 mm c/c with center borders of 48 mm and the side borders of 30 mm, backed with non woven tissue on the back side, having an NRC (Noise Reduction Coefficient) of 0.79, with 50 mm resin bonded glass wool backing.	sqm	1 528.00	50.00	76,400.00	142.79	1,670.79	83,539.58
							-		
	<b>Finishing</b>								
65	13.1	12 mm cement plaster of mix :							
	13.1.1	1:4 (1 cement: 4 coarse sand)	sqm	347.05	600.00	2,08,230.00	32.43	379.48	2,27,689.09
66	13.8	15 mm cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix :					-		
	13.8.1	1:3 (1 cement: 3 fine sand)	sqm	494.30	400.00	1,97,720.00	46.19	540.49	2,16,196.93
67	13.26	Providing and applying plaster of paris putty of 2 mm thickness over plastered surface to prepare the surface even and smooth complete.	Sqm	262.70	2 400.00	6,30,480.00	24.55	287.25	6,89,398.36
68	13.41.1	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade : <b>New work (two or more coats) over and including water thinnable priming coat with cement primer</b>	sqm.	185.65	1 000.00	1,85,650.00	17.35	203.00	2,02,998.99
69	13.85	Applying primer Coats with primer of approved brand and manufacture, having Low VOC ( volatile organic compound) Content.					-		
	13.85.3	with Water thinnable cement primer on wall surface having VOC less than 50Grams/Litre	sqm	73.95	2 000.00	1,47,900.00	6.91	80.86	1,61,721.26
70	13.52	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete.					-		
	13.52.1	On steel work	sqm	241.75	200.00	48,350.00	22.59	264.34	52,868.31
	13.52.2	On concrete work	sqm	235.15	200.00	47,030.00	21.97	257.12	51,424.95
71	13.45	Finishing wall with acrylic smooth exterior paint of required Shade:					-		
	13.45.1	New Work ( two or more coats applied @1.67ltr/10 sqm over and including priming coat of exterior primer applied @0.9litre/10Sqm )	sqm	223.00	2 000.00	4,46,000.00	20.84	243.84	4,87,678.70
72	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :					-		
	13.61.1	Two or more coats on new work	sqm	155.90	1 000.00	1,55,900.00	14.57	170.47	1,70,468.86
73	13.88	Removing white or colour wash by scrapping and sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	19.75	2 000.00	39,500.00	1.85	21.60	43,191.28
74	13.81	Distemping with 1st quality acrylic distemper (Ready mix) having VOC content less than 50 grams/ litre of approved brand and manufacture including applying additional coats wherever required to achieve an even shade and colour :					-		
	13.81.1	Old work (one or more coats)	Sqm	62.70	80 000.00	50,16,000.00	5.86	68.56	54,84,745.20
75	13.91	Removing dry or oil bound distemper, water proofing cement paint and the like by scrapping, sand papering and preparing the surface smooth including necessary repairs to scratches etc. complete	sqm	25.15	90 000.00	22,63,500.00	2.35	27.50	24,75,024.08
76	13.92.1	Painting on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade :	sqm	93.30	500.00	46,650.00	8.72	102.02	51,009.44
77	13.82	Wall painting with plastic emulsion paint having VOC content less than 50 grams/ litre of approved brand and manufacture to give an even shade :of approved brand and manufacture,including aplying additional coats wherever required, to achieve even shade and colour.					-		
	13.82.1	One coat	sqm	92.00	40 000.00	36,80,000.00	8.60	100.60	40,23,896.00
	13.82.2	Two Coats	Sqm	137.45	20 000.00	27,49,000.00	12.84	150.29	30,05,894.05
78	13.99	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:					-		
	13.99.1	One or more coats on old work	Sqm	102.80	10 000.00	10,28,000.00	9.61	112.41	11,24,066.60
79	13.104	polishing on wood work with ready made wax polise old work	Sqm	99.80	500.00	49,900.00	9.33	109.13	54,563.16
80	13.111	Finishing walls with Acrylic Smooth exterior paint of required shade :					-		
	13.111.1	Old work (Two or more coat applied @ 1.67 ltr/ 10 sqm) on existing cement paint surface	sqm	120.75	10 000.00	12,07,500.00	11.28	132.03	13,20,340.88
	<b>Repairs to building</b>								
81	14.4	Making the opening in brick masonry including dismantling in floor or walls by cutting masonry and making good the damages to walls, flooring and jambs complete, to match existing surface i/c disposal of mulba/ rubbish to the nearest municipal dumping ground, all complete as per directions of Engineer-In-Charge.					-		
	14.4.1	For door/ window/ clerestory window	sqm	1 264.35	50.00	63,217.50	118.15	1,382.50	69,125.18
82	14.5	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:					-		
	14.5.2	Float glass panes of thickness 5.5 mm	sqm	1 416.15	40.00	56,646.00	132.34	1,548.49	61,939.57
83	14.7	Renewing glass panes and refixing existing wooden fillets:					-		
	14.7.2	Float glass panes of thickness 5.5 mm	sqm	1 552.75	100.00	1,55,275.00	145.10	1,697.85	1,69,785.45

84	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after .The scaffolding system shall be stiffened with bracings, runners,connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer- in-charge .The elevational area of the scaffolding shall be measured for payment purpose .The payment will be made once irrespective of duration of scaffolding.	Sqm	338.25	1 500.00	5,07,375.00	31.61	369.86	5,54,789.19
85	14.75	Repair to plaster of thickness 12mm to 20 mm in patches of area 2.5 sqm and under, including cutting the patch in proper shape, raking out joints and preparing plastering the wall surface with white cement based polymer modified self curing mortar, including disposal of rubbish, all complete as per the direction of Engineer-In-Charge.	sqm	670.95	100.00	67,095.00	62.70	733.65	73,365.03
86	14.75A	Cleaning of terrace/loft water storage tank (inside surface area) upto 2000 litre capacity at all heights with coconut brushes, duster etc., removal of silt, rubbish from the tank and cleaning the tank with fresh water disinfecting with bleaching powder @ 0.5gm per litre capacity of tank, including marking the date of cleaning on the side of tank body with the help of stencil and paint and disposing of malba, all complete as per direction of Engineer-in-Charge. (The old date already written on tank should be removed with paint remover or black paint and if date is not written with the stencil or old date is not removed deduction will be made @ Rs. 0.10 per litre if during cleaning any GI fittings or ball cock is damaged that is to be repaired by contractor at his own cost and nothing extra will be paid on this account)	liter	0.5	210000	1,05,000.00	0.05	0.55	1,14,812.25
87	14.76	Cleaning and desilting of gully trap chamber, including removal of rubbish mixed with earth etc. and disposal of same, all as per the direction of Engineer-in-charge.	Nos.	108.30	300.00	32,490.00	10.12	118.42	35,526.19
88	14.77	Cleaning of chocked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial desilting of manholes and dechocking of sewer lines. Dechocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm dia for all depth.					-		
		manhole chamber/sewer line	mtr	340.75	4 000.00	13,63,000.00	31.84	372.59	14,90,372.35
89	14.78	Cleaning of under ground sump, Over Head R.C.C. Tank (independent staging) including disposal of slit and rubbish,all as per direction of Engineer-in-Charge. The cleaning shall consist following operations:-					-		
		(i) Tank shall be emptied of water by pumping & bottom shall be cleaned of slit and other deposits.					-		
		(ii) Entire surface area of the sump shall then scrubbed thoroughly with wire brush etc. and pressure washed with water.					-		
		(iii) Chlorination of RCC internal surface by liquid chlorine.					-		
		(iv) The treated surface shall be dried using air jetting and all loose particles shall be removal from the surface.					-		
		(v) Finally the surface shall be treated with ultraviolet radiation etc. as per direction of Engineer-in-Charge.	sqm	422.70	4 500.00	19,02,150.00	39.50	462.20	20,79,905.92
90	14.79	Disconnecting damaged overhead/terrace PVC water storage tank of any size from water supply line and removing from the terrace including shifting at ground level as per direction of Engineer-in-charge.	each	433.75	20.00	8,675.00	40.53	474.28	9,485.68
91	14.80	Providing & fixing White vitreous china water closet squatting pan (Indian type) along with "S" or "P" trap including dismantling of old WC seat and "S" or "P" trap at site complete with all operations including all necessary materials, labour and disposal of dismantled material i/c malba, all complete as per the direction of Engineer-in charge.					-		
	14.80.2	Orissa pattern W.C Pan of size 580x440 mm	each	4 478.75	20.00	89,575.00	418.54	4,897.29	97,945.78
92	14.82	Dismantling W.C. Pan of all sizes including disposal of dismantled materials i/c malba all complete as per directions of Engineer-in-Charge.	each	134.10	20.00	2,682.00	12.53	146.63	2,932.63
<b>mantling and Demolishing</b>									
93	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge					-		
	15.2.1	Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix	cum	2 434.25	20.00	48,685.00	227.48	2,661.73	53,234.61
94	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge	cum.	3 551.25	50.00	1,77,562.50	331.86	3,883.11	1,94,155.72
95	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.					-		
	15.7.4	In cement mortar	cum	2 060.25	20.00	41,205.00	192.53	2,252.78	45,055.61

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SANITARY INSTALLATIONS									
111	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 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 :					-		
	17.2.1	W.C. pan with ISI marked white solid plastic seat and lid	each	6 515.55	225.00	14,65,998.75	608.88	7,124.43	16,02,996.33
112	17.7	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:					-		
	17.7.1	White Vitreous China Wash basin size 630x450 mm with a pair of 15 mm C.P. brass pillar taps	each	2 648.85	75.00	1,98,663.75	247.54	2,896.39	2,17,228.88
113	17.8	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	each	1 683.35	75.00	1,26,251.25	157.31	1,840.66	1,38,049.43
114	17.11	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug, 40 mm C.P. brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete, including painting of fittings and brackets, cutting and making good the wall wherever required					-		
	17.11.1	Size 450x300x150 mm	each	5 020.85	40.00	2,00,834.00	469.20	5,490.05	2,19,601.94
115	17.22A	Providing and fixing CP Brass 32mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge	each	1 034.80	270.00	2,79,396.00	96.70	1,131.50	3,05,505.56
116	17.31	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.	Each	1 607.95	50.00	80,397.50	150.26	1,758.21	87,910.65
117	17.79	Providing & fixing white vitreous china water less urinal of size 600 x 330 x 315 mm having antibacterial /germs free ceramic surface, fixed with cartridge having debris catcher and hygiene seal	each	18 088.45	40.00	7,23,538.00	1,690.37	19,778.82	7,91,152.63
<b>Water Supply</b>									
118	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge Exposed on wall					-		
	18.7.1	15 mm nominal outer dia Pipes	metre	286.80	500.00	1,43,400.00	26.80	313.60	1,56,800.73
	18.7.2	20 mm nominal outer dia Pipes	metre	335.00	500.00	1,67,500.00	31.31	366.31	1,83,152.88
	18.7.3	25 mm nominal outer dia Pipes	metre	401.55	500.00	2,00,775.00	37.52	439.07	2,19,537.42
119	18.48	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 tank and the base support for tank	liter	11.00	30 000.00	3,30,000.00	1.03	12.03	3,60,838.50
<b>Drainage</b>									
120	19.4	Providing and fixing square-mouth S.W. gully trap class SP-1 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:							
	19.4.3	180x150 mm size P type							
	19.4.3.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	2 802.15	40.00	1,12,086.00	261.86	3,064.01	1,22,560.44
121	19.11	Constructing brick masonry circular manhole 1.22 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement :4 coarse sand) inside cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement foundation concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size) and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design :					-		
122	19.11.1	1.68 m deep with SFRC Cover and frame (heavy duty HD20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg. fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) :					-		
	19.11.1.1	With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	each	24 702.75	15.00	3,70,541.25	2,308.47	27,011.22	4,05,168.33
123	19.15	Providing M.S. foot rests including fixing in manholes with 20x20x10 cm cement concrete blocks 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design :					-		
	19.15.1	With 20x20 mm square bar	each	544.70	50.00	27,235.00	50.90	595.60	29,780.11
124	19.19	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality					-		
	19.19.1.1	Rectangular shape 600x450 mm internal dimensions	each	1 437.65	40.00	57,506.00	134.35	1,572.00	62,879.94

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2	20.93	Cleaning Quadrangle chajjas including removing of dirt dust etc., using suitable soap powder, coconut broomstick, squeezers / wipers/ rubber brushes, coir brushes, plastic brushjes, mugs, booster pumps with portable arrangement, hose pipe etc., complete excluding water charges including electrical charges and all safety measures.	sqm	15.00	4000.00	60,000.00	15.00	60,000.00
3	20.94	Cleaning sub surface drains including removing of dirt dust etc., using suitable soap powder , coconut broomstick, squeezers / wipers/ rubber brushes, coir brushes, plastic brushjes, mugs, booster pumps with portable arrangement, hose pipe etc., complete	metre	14.00	6000.00	84,000.00	14.00	84,000.00
4	20.95	Cleaning surface drains including removing of dirt dust etc., using suitable soap powder , coconut broomstick, squeezers / wipers/ rubber brushes, coir brushes, plastic brushjes, mugs, booster pumps with portable arrangement, hose pipe etc., complete.	metre	8.00	15000.00	1,20,000.00	8.00	1,20,000.00
5	KPWD 2024 addedendum 12.99	Providing and fixing engineered wood door frame fabricated using wood polymer composite profiles (WPC) with density of 1.2+-0.05/ CC , resistance to water, termite, fungal and UV, using 4 nos of L shape MS or plastic clamps at the corners of the frames to fix it firmly to form a rectangular shape door frame and provided with 6 nos of 260mm *25mm *5mm size Z shape MS flat holdfasts or 6 nos of 4inch length anchor fasteners screw for fixing the door frame in the wall, the materials and the process for manufacturing the door frame confirming to the specifications including all costs of labour, materials, fabrication, assembling, erection, incidental and unforeseen charges complete as per the direction of engineer in charge of the work (fixtures shall be paid for separately)						
	12.99.1	Size 55 mm *110mm	metre	672.00	400.00	2,68,800.00	672.00	2,68,800.00
	12.99.2	Size 55 mm *120mm	metre	771.00	400.00	3,08,400.00	771.00	3,08,400.00
	12.99.3	Size 75mm * 125mm	metre	1002.00	400.00	4,00,800.00	1,002.00	4,00,800.00
		Expansion Joint Treatment with Seal Tape						
6	15.22	Providing and laying with 1.0 mm thick FPO membrane to seal the expansion joint. The tape having mechanical properties like, Elongation >500%, Tensile Strength >12N/mm2, Tear Strength >200N, Water tightness 400 kPa/72hrs confirming to DIN EN 1928-B. Ensure that apply Two part Epoxy Adhesive @ 1.4kg/m to get 1-2mm thick on the prepared surface before placing the tape and after placing seal with same epoxy adhesive which having Bond Strength with concrete 1.5N/mm2, Compressive Strength @ 7 days, ≥45N/mm2 as per BS 6319 Part 2, Tensile Strength @ 7 days, ≥18N/mm2 as per BS 6319 Part 7, Shear Strength @ 7 days, ≥8N/mm2 as per BS 6319 Part 4, Flexural Strength @ 7 days, N/mm2 as per BS 6319 Part 3. The finished cost including surface preparation, filling foam backer rod, applying masking tape on both sides of the joint & polysulphide sealant filling on gap completely as per specification	Sqm	2039.00	1500.00	30,58,500.00	2,039.00	30,58,500.00
		Expansion Joints						
7	15.26	Providing waterproof treatment to Expansion joints using 2 coats of acrylic co-polymer elastomeric sealer and protector. The surface shall be prepared free of tar, dust, fungus, loose particles etc. The surface shall be applied with base coat of healer sealer crystallization liquid and then Acrylic co-polymer elastomeric sealer & protector, wetting agent and liquid (1:1:1:6) over the prepared surface. In addition to port fixing & injection grouting using acrylic polymer & waterproofing slurry, polyester fibrewool will be laid upon membrane by using epoxy Adhesive having Compressive Strength @ 7 days, 45N/mm2 as per BS 6319 Part 2. Over this 1 layer of TPO membrane will be laid as reinforcing material. One primer coat of Acrylic co-polymer elastomeric sealer & protector and a second coat of Acrylic co-polymer elastomeric sealer & protector liquid will be given over the primer coat - conforming to DIN EN 1928-B. The work shall be carried out as per the directions of the Engineer in charge	M	2000.00	1500.00	30,00,000.00	2,000.00	30,00,000.00
8	15.28	Providing and grouting tile joints, Cutting the tile joints with the help of cutting machine (width 3mm-15mm) and filling with of matching shade, using three component Epoxy based tile joint filler, non-sag waterproof grout, chemical and UV resistance, Pot life ≤ 60 mins, VOC (EPA 24) < 8gm/kg and water absorption after 7 days < 0.5g Joints shall be clean, dry, free from dirt, etc prior to application. Apply tile grout using a rubber trowel/grout floater, press firmly into joints, ensure complete fill and remove excess grout from surface using suitable method. The work shall be carried out as per the directions of the Engineer in charge						
		( For 300mm*300mm Tiles)	Sqm	850.00	1500.00	12,75,000.00	850.00	12,75,000.00

9	9.1	Providing, laying and jointing HDPE pipes of specified grade and conforming to IS 4984-2016 with latest ammendments and conveying to work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials with electrofusion welding, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bedns, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. complete. NOTE: Upto 110mm dia Coil shall be used. For :HDPE PE 80 PN 6.0							
	9.1.2	HDPE Grade PE80-PN6.0, 75mm dia	Metre	245.00	6000.00	14,70,000.00		245.00	14,70,000.00
	9.1.4	HDPE Grade PE80-PN6.0,110mm dia	Metre	469.00	1000.00	4,69,000.00		469.00	4,69,000.00
Sub Total (Items based on KSR )									1,16,03,500.00
Total									1,16,03,500.00
Add Area Weightage of 5%									5,80,175.00
Sub Total									1,21,83,675.00
Add GST 18%									21,93,061.50
Sub Total -2									1,43,76,736.50
Items based on Rate Analysis									
1	AR 1	Cutting the branches of trees extended over the terrace having girth ranging from 0.10m 0.45m to ensure complete clearance so as the leaves, vegetation etc., do not fall on the roof and disposal of the same within 50 metres lead as directed by the Engineer-in-charge.	each job	196.00	500.00	98,000.00		196.00	98,000.00
2	MR	Providing and fixing Building signage boards with 3mm Aluminium composite panel (ACP) board printed with UV print on vinly	sqm	3815.00	600.00	22,89,000.00		3,815.00	22,89,000.00
3	MR	Supply and installation of froasted glass sticker to glasses of Window and Door shutters complete to make it translucent as per direction of Engineer In Charge	sqm	616.00	600.00	3,69,600.00		616.00	3,69,600.00
4	MR	supply and fixing to position the decorative curtains design and colour as approved by the ESIC/HSCCL	sqm	750.00	1200.00	9,00,000.00		750.00	9,00,000.00
5	MR	Providing and fixing floor carpet with approved design quality and colour as per the instruction of engineer in charge	Sqm	700.00	500.00	3,50,000.00		700.00	3,50,000.00
6	MR	Providing and fixing 3mm Clear Compact Polycarbonate sheet Over existing MS Structure 1. Solid Clear Sheet 3 mm of approved Color shade 2.Fischer metal Fasteners for Fixing Sheet 3. Fischer Metal Washers for Fixing The Sheet 4. Aluminium Channels With Rubber Gaskets  The work including cost of all materials, labour charges and required machinery, welding, grinding and erection equipments, etc., with all lead, transportation, loading and unloading and all other incidental charges etc. complete as per specification and directions of the Engineer-in-charge of the work.	Sqm	2127.00	500.00	10,63,500.00		2,127.00	10,63,500.00
8	MR	Free flow Epoxy Pointing for toilet joint and junctions: cut opening the tiles joint, Nahani Trap, Door Frame, Junction of Wall and tiles removing dust and loose particles cleaning with brush and air blower and fixing masking tape on both edges of joint, Applying free flow epoxy, cleaning, finishing, packing with modifire motor gaps of traps, Door frames etc complete. The epoxy material supplied from Forsrock, Sika, J K Epoxy or any other approved quality, as per direction of ESIC and Manufacturers specification	Rmt	145.00	9000.00	13,05,000.00		145.00	13,05,000.00
9	MR	Repair of furnitures by welding to the specific areas of furnitures like tables,Chairs, Stools etc. making them useful complete as per user department and as per the direction of Engineer in Charge							
		Stool	Each	80	400.00	32,000.00		80.00	6,400.00
		Tables	Each	80	400.00	32,000.00		80.00	6,400.00
		Cot	Each	100	400.00	40,000.00		100.00	10,000.00
		Wheel Chairs	Each	80	400.00	32,000.00		80.00	6,400.00
Sub Total -3									64,04,300.00
Abstract for Supplying of Civil Items									
1	Total DSR Items (Sub Total 1)								5,18,41,536.86

		Applying the Correction Factor of 0.973 (Civil DSR)							5,04,41,815.36
2	Total KPWD SR (Sub Total 2)								1,43,76,736.50
	Total Rate Analysis Items (Sub Total 3)								64,04,300.00
3	Grand Total								7,12,22,851.86