

The Scientific Costing Guide

BuildCOST

Building Construction Cost Data



Item of Work Cost Database

2026

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01 45 Quality Control								
01 45 23		Testing And Inspecting Services	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
50		Testing						
		Conducting laboratory tests at approved laboratory, including preparation and taking of samples to laboratory, testing of samples and getting and submitting test results :						
	10005	Compressive strength test on rock samples	/test	3,304.00	-	-	3,304.00	4,295.20
	10010	Chemical analysis of soil samples	/test	3,304.00	-	-	3,304.00	3,799.60
	10015	Chemical analysis of water samples	/test	3,304.00	-	-	3,304.00	3,799.60

02 32 Geotechnical Investigations								
02 32 19		Exploratory Excavations	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Test Pits						
		Drilling 150 mm diameter bore holes in all type of soils by manual auguring, conducting standard penetration tests, collecting disturbed and undisturbed soil samples, conducting necessary laboratory tests, recommending suitable type of foundation and allowable bearing pressure and submission of report in three copies :						
	10005	Ground level to 6.0 m or refusal, whichever is earlier	m	885.00	-	-	885.00	1,017.75
	10010	Over 6.0 m and upto 10.0 m or refusal, whichever is earlier	m	944.00	-	-	944.00	1,085.60
	10015	Over 10.0 m and upto 12.0 m or refusal, whichever is earlier	m	1,003.00	-	-	1,003.00	1,153.45
		Drilling 150 mm diameter bore holes in all type of soils by Calyx drilling, conducting standard penetration tests, collecting disturbed and undisturbed soil samples, conducting necessary laboratory tests, recommending suitable type of foundation and allowable bearing pressure and submission of report in three copies :						
	10020	Ground level to 6.0 m or refusal, which is earlier	m	1,652.00	-	-	1,652.00	1,899.80
	10025	Over 6.0 m and upto 10.0 m or refusal, which is earlier	m	1,711.00	-	-	1,711.00	1,967.65
	10030	Over 10.0 m and upto 12.0 m or refusal, which is earlier	m	1,770.00	-	-	1,770.00	2,035.50
		Drilling 100 mm dia bore hole in rock using double core barrel Diamond/TC including recovery of cores, wherever possible and keeping a log of the same :						
	10035	Weathered / disintegrated rock	m	3,304.00	-	-	3,304.00	3,799.60
	10040	Hard rock	m	6,844.00	-	-	6,844.00	7,870.60
02 41 Demolition								
02 41 13		Selective Site Demolition	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
17		Demolish, Remove Pavement And Curb						
		Dismantling of road including taking out soling, metalling etc, stacking of serviceable materials and disposal of unserviceable materials within a lead of 50 m :						
	10005	Water bound macadam	cum	-	678.80	-	678.80	780.62
	10010	Bituminous macadam / asphaltic concrete / mastic asphalt.	cum	-	1,080.32	-	1,080.32	1,242.37
	10015	Dismantling of dry stone pitching including stacking of serviceable materials and disposal of unserviceable materials within a lead of 50 m.	cum	-	958.75	-	958.75	1,102.56
30		Minor Site Demolition						
		Taking out door, window and clerestory window shutters (metal or wood) including chowkhats, architrave, holdfast, etc. complete and stacking within a 50 m lead, of areas:						

03 05 Common Work Results For Concrete								
03 05 05		Selective Demolition for Concrete	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Selective Concrete Demolition						
	10005	Demolishing lime concrete / cement concrete in all mixes, in foundations, super structure and basement, at all heights / depths, including disposal of unserviceable materials upto a 50 m lead.	cum	-	623.57	-	623.57	717.11
	10010	Demolishing RCC work in foundations, super structure and basement, at all heights / depths, including cutting, straightening scrapping, cleaning and stacking of reinforcement bars and disposal of unserviceable materials upto a 50 m lead.	cum	-	2,556.64	-	2,556.64	2,940.14
	10015	Demolishing RB work in foundations, super structure and basement, at all heights / depths, including cutting, straightening scrapping, cleaning and stacking of reinforcement bars and disposal of unserviceable materials upto a 50 m lead.	cum	-	2,324.24	-	2,324.24	2,672.88
03 05 13		Basic Concrete Materials	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
18		Admixture, Concrete						
		Providing and mixing admixtures, conforming to IS:9103, in recommended proportions, in concrete :						
	10005	Accelerating admixtures	kg	110.84	15.34	-	126.18	145.11
	10010	Retarding admixtures	kg	131.10	15.34	-	146.44	168.41
	10015	Air entraining admixture	kg	122.76	15.34	-	138.10	158.82
	10020	Water reducing admixtures (Plasticizer/Super Plasticizer)	kg	185.92	15.34	-	201.26	231.45
21		Concrete Additives						
	10005	Providing and mixing water proofing compound, conforming to IS:2645, in cement concrete/reinforced concrete works.	kg	144.21	15.34	-	159.55	183.48
03 11 Concrete Forming								
03 11 13		Structural Cast-in-place Concrete Forming	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
18		Forms In Place						
		Providing and fixing centering and shuttering for concrete work (plain and reinforced) in following locations, including strutting, propping, bracing, bolting tie bolt / spring coil / plastic cone, wedging, easing, striking, removal etc, complete. Allow for forming grooves, drips, throats, chamfers, cut-outs, openings etc. where called for and for dressing with approved shuttering oil to prevent adhesion. The works are at all levels. The floor height is up to 4.00 m :						
	10005	Sides of footings of columns and walls and sides of base slabs.	sqm	88.22	206.50	-	294.72	338.93
	10010	Foundation beams, floor channels, kerb stones and drain walls.	sqm	88.22	206.50	-	294.72	338.93
	10015	Sides of columns, piers and pedestals of	sqm	113.87	655.49	-	769.36	884.76

04 05 Common Work Results For Masonry								
04 05 05		Selective Demolition for Masonry	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Selective Demolition, Masonry						
	10005	Dismantling / Demolishing brick work in cement / lime mortar in foundations, super structure and basement, at all heights / depths, including removing of mortar, cleaning bricks and stacking of serviceable materials and disposed of unserviceable materials upto 50 m lead	cum	-	2,840.74	-	2,840.74	3,266.85
	10010	Dismantling / demolishing stone rubble masonry in cement / lime mortar in foundations, super structure and basement at all heights / depths including stacking of serviceable materials and disposal of unserviceable materials upto a 50 m lead.	cum	-	1,783.74	-	1,783.74	2,051.30
04 05 19		Masonry Anchorage And Reinforcing	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
16		Masonry Anchors						
		Providing and fixing cramps of required size and shape in RCC/CC backing, including drilling necessary holes in stones and embedding the cramp in the holes and filling of holes with cement mortar 1:2 with fine sand, complete, (fasteners to be paid separately), cramps of :						
	10005	Gunmetal	kg	797.62	327.23	-	1,124.85	1,293.58
	10010	Stainless steel	kg	898.08	327.23	-	1,225.31	1,409.11

04 21 Clay Unit Masonry								
04 21 13		Brick Masonry	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
46		Brick Work, Conventional Bricks						
		Providing brick work with bricks of class 75, joints finished flush/raked to 12 mm depth, cured including necessary scaffolding complete in cement mortar 1:6 with coarse sand, in :						
	10005	Foundations and plinths (1.5 m below and upto 1.2 m above GL)	cum	3,740.14	2,219.52	66.38	6,026.04	6,929.95
	10010	Superstructures upto 20.0 m above plinth level.	cum	3,740.14	4,252.85	173.46	8,166.45	9,391.42
	10015	Basement, under ground water tank and the like, upto 7.0 m below GL	cum	3,740.14	3,121.84	102.02	6,964.00	8,008.60
	10020	Arches, vaults, domes, etc., in super structures/basements and the like in cement mortar 1:3 with coarse sand including centering, shuttering, strutting, propping, wedging, bolting and removal, etc., complete.	cum	5,286.00	6,555.56	138.41	11,979.97	13,776.97
	10025	Add for every additional 4.0 m height or part thereof for brick work/exposed brick work beyond 7.0 m below GL	cum	-	576.71	-	576.71	663.22
	10030	Add for every additional 20.0 m height or part thereof for brick work/exposed brick work beyond 20.0 m above plinth level	cum	-	1,144.75	-	1,144.75	1,316.46
	10035	Add for brick work in cement mortar 1:4 in place of 1:6	cum	247.00	-	-	247.00	284.05

05 05 Common Work Results For Metals								
05 05 05		Selective Demolition for Metals	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Selective Metals Demolition						
	10005	Dismantling steel work in built up sections at all heights and depths, in angles, tees, flats, channels and tubes including all gusset plates, bolts, nuts, cutting rivets, welding etc. including dismembering and stacking within 50 m lead.	Quintal	-	463.15	-	463.15	532.62
	10010	Dismantling steel work in single sections at all heights and depths including dismembering and stacking within a 50 m lead.	Quintal	-	277.89	-	277.89	319.57
05 05 21		Fastening Methods For Metal	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
90		Welding Steel						
	10005	Gas welding including mobilization at site, complete, (for designed structural welding).	10 mm/m	342.20	-	-	342.20	393.53
	10010	Gas welding including mobilization at site, complete, (for non structural welding).	10 mm	4.71	-	-	4.71	5.42
	10015	Electric arc welding including mobilization at site, complete (for designed structural welding).	10 mm/m	254.88	-	-	254.88	293.11
	10020	Electric arc welding including mobilization at site, complete (for non structural welding).	10 mm	3.76	-	-	3.76	4.32
05 05 23		Metal Fastenings	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Bolts & Hex Nuts						
	10005	Providing and fixing MS bolts upto 300 mm in length including nuts and washers, complete.	kg	62.57	73.99	-	136.56	157.04

05 12 Structural Steel Framing								
05 12 23		Structural Steel For Buildings	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
23		Structural Steel Built Up Section						
		Providing, fabricating and erecting built up steel tubular trusses, welded and bolted including special shaped washers, etc. and applying a primer coat of zinc chromate on duly prepared surfaces, complete :						
	10005	Hot finished, welded tubes	kg	149.38	61.69	-	211.07	242.73
	10010	Hot finished, seamless tubes	kg	149.38	61.69	-	211.07	242.73
	10015	Electric resistance or induction welded tubes	kg	149.38	61.69	-	211.07	242.73
	10020	Providing, fabricating and erecting bolted structural steel built up sections, trusses and frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete.	kg	73.39	44.08	-	117.47	135.09
	10025	Providing, fabricating and erecting welded structural steel built up sections in trusses and frames and applying a primer coat of zinc chromate on duly prepared surfaces, complete.	kg	76.97	30.03	-	107.00	123.05

06 05 Common Work Results For Wood, Plastics, And Composites								
06 05 05		Selective Demolition for Wood, Plastics, and Composites	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Selective Demolition Wood Framing						
		Dismantling woodwork in frames, trusses, purlins and rafters upto a 10 metres span and 5 metres height including stacking the material within a 50 m lead, of sectional areas :						
	10005	upto 4000 sqmm	m	-	15.58	-	15.58	17.92
	10010	over 4000 sqmm	cum	-	3,894.00	-	3,894.00	4,478.10
		Dismantling and removing wooden boardings in lining of walls and partitions, excluding supporting members, but including stacking within a 50 m lead, of thickness:						
	10015	upto 10 mm	sqm	-	47.77	-	47.77	54.94
	10020	over 10 mm and upto 25 mm	sqm	-	60.92	-	60.92	70.06
	10025	over 25 mm and upto 40 mm	sqm	-	69.62	-	69.62	80.06
06 05 73		Wood Treatment	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
33		Preservative Wood Treatment						
	10005	Providing and applying two coats of Solignum, black shade to various concealed wood members including preparation of surface, etc. (girthed area shall be measured for runners, posts, etc.	sqm	130.69	32.75	-	163.44	187.96

06 11 Wood Framing								
06 11 10		Framing With Dimensional, Engineered Or Composite Lumber	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
12		Ceiling Framing						
		Providing, fabricating and fixing in position selected quality seasoned and chemically treated wood work in frames of false ceilings, partitions, etc., complete :						
	10005	1st class Deodar wood.	cum	64,834.25	12,168.75	-	77,003.00	88,553.45
	10010	2nd class Deodar wood.	cum	63,582.65	12,168.75	-	75,751.40	87,114.11
	10015	Sal wood	cum	39,055.70	12,168.75	-	51,224.45	58,908.12
	10020	2nd class Kail wood	cum	32,172.95	12,168.75	-	44,341.70	50,992.96
	10025	Hollock wood	cum	41,307.95	12,168.75	-	53,476.70	61,498.21
40		Wall Framing						
		Providing and fixing wooden frame with 50 mm x 50 mm battens, fixed at 600 mm centre to centre (both ways). Allow for solignum treatment to the timber framework :						
	10005	Sal wood	sqm	473.23	405.61	-	878.84	1,010.67
		Providing and fixing wooden framework with 50 mm x 75 mm battens, fixed at 600 mm centre to centre(both ways). Allow for solignum treatment to the timber framework :						
	10010	Sal wood	sqm	658.82	590.27	-	1,249.09	1,436.45
		Providing and fixing wooden frame with 50 mm x 50 mm battens, fixed at 600 mm centre to centre (both ways). Allow for solignum treatment to the timber framework :						
	10015	2nd class CP teak Wood	sqm	828.83	405.61	-	1,234.44	1,419.61

07 11 Dampproofing								
07 11 17		Damp-proof Course	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Damp-proof Course						
		Providing and laying damp-proof course with cement concrete 1:2:4 with graded stone aggregate 12.5 mm nominal size, including side shuttering, compacting etc., complete.						
	10005	40 mm thick	sqm	199.05	255.21	29.21	483.47	555.99
	10010	50 mm thick	sqm	246.84	282.69	32.39	561.92	646.21
	10015	Providing and mixing waterproofing material in cement concrete work @ 1.0 kg per 50 kg bag of cement used in the mix.	kg/50kg	144.21	15.34	-	159.55	183.48
	10020	Applying a coat of residual petroleum bitumen of penetration 80/100 @ 1.70 kg/sq. on damp-proof course.	sqm	113.49	42.57	-	156.06	179.47

07 13 Sheet Waterproofing								
07 13 13		Bituminous Sheet Waterproofing	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
13		Built-Up Sheet Waterproofing						
		Providing and laying vapour barrier of low density polythene film (700 microns), laid in blown grade bitumen at 1 kg. per. sqm, over a coat of primer at 400 gms per sqm and finished with a coat of bitumen at 1 kg per sqm as per specifications, complete :						
	10005	Over RCC roof surfaces.	sqm	337.44	65.49	-	402.93	463.37
	10010	On external wall surfaces.	sqm	337.44	76.41	-	413.85	475.93
		Providing and laying vapour barrier of aluminium foil 0.075 mm thick, laid in blown grade bitumen at 2 kg per sqm over a coat of primer at 400 gms per sqm and finished with a coat of bitumen at 1 kg per sqm as per specifications, complete :						
	10015	Over RCC roof surfaces	sqm	212.89	87.32	-	300.21	345.24
	10020	On external wall surfaces	sqm	212.89	87.32	-	300.21	345.24
	10025	Add for aluminum foil of thickness 0.1 mm instead of 0.075 mm	sqm	31.10	-	-	31.10	35.77
	10030	Painting top of roof surface with 80 / 100 penetration bitumen @ 1.7 kg per sqm impregnated with coarse sand, 6 mm thick, including cleaning of slab surface with brush and finally with a cloth soaked in kerosene oil.	sqm	119.83	82.96	-	202.79	233.21
	10035	Providing and laying damp-proofing treatment comprising a primer coat, one layer of aluminium foil 0.1 mm thick and two layers of bitumen at the rate of 2 kg per sqm per layer to ground floor/paving, complete.	sqm	256.70	87.32	-	344.02	395.62
	10040	Providing and laying waterproofing treatment to roof slabs comprising of Primer coat, one layer of fibre glass RP tissue, one layer of aluminium foil 0.10 mm thickness, three layers of bitumen at the rate of 2 Kg per sqm per layer, sealing of edges and corners as called for, complete.	sqm	335.18	130.98	-	466.16	536.08
	10045	Providing and laying damp-proofing treatment comprising a primer coat, one	sqm	181.41	130.98	-	312.39	359.25

08 11 Metal Doors And Frames								
08 11 13		Hollow Metal Doors And Frames	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
11		Hollow Metal Doors and Frames						
	10005	Providing, fabricating and fixing 1 mm thick MS sheet door with hollow MS section frame of 40 x 40 x 3 mm and 3 mm gussets at the junctions and corners with necessary fittings and three coats of synthetic enamel paint over a primer coat of zinc chromate on duly prepared surfaces, complete.	sqm	8,593.74	2,738.46	-	11,332.20	13,032.03
	10010	Providing, fabricating and fixing 1 mm thick MS sheet door with MS angle 40 x 40 x 6 mm frame, and 3 mm gussets at the junctions and corners with necessary fittings, three coats of synthetic enamel paint over a primer coat of zinc chromate on duly prepared surfaces, complete.	sqm	8,595.27	2,738.46	-	11,333.73	13,033.79
	10015	Add for MS angles 40 x 40 x 6 mm for diagonal braces.	sqm	1,282.27	621.60	-	1,903.87	2,189.45
	10020	Add for MS flats 30 x 6 mm for diagonal braces and central cross piece.	sqm	630.26	598.29	-	1,228.55	1,412.83
08 11 16		Aluminum Doors And Frames	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
11		Aluminum Doors And Frames						
		Providing, fabricating and fixing aluminium doors, windows and ventilators with sections (IS 733 and IS 1825), 60 microns pure polyester coated, 25 microns colour nitred anodised (IS 1868), of grade AC 25, fixed with rawl plugs and screws / fixing clips / expansion hold fasteners and filling gaps with PVC / Neoprene felt along with aluminium snap beadings, CP brass/stainless steel screws for glazing / panelling complete (cost of glazing / panelling not included) (payment will be made for weight of aluminium used in the work).						
	10005	Fixed portion	kg	396.06	50.15	-	446.21	513.14
	10010	Shutters of doors, windows and ventilators including providing and fixing hinges/pivots and making provision for fixing of fittings including PVC/neoprene gasket, complete (cost of fitting not included).	kg	425.62	66.67	-	492.29	566.13
08 11 21		Steel Doors and Frames	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
12		Steel Doors and Frames						
		In composite units of doors, windows and ventilator :						
	10005	(For overall portion treated as fixed)	sqm	8,174.56	884.64	2.66	9,061.86	10,421.14
		Add for side hung portion :						
	10010	Doors	sqm	655.49	-	-	655.49	753.81
	10015	Windows	sqm	655.49	-	-	655.49	753.81
	10020	Add for top hung portion.	sqm	0.00	-	-	0.00	0.00
	10025	Add for centre hung portion.	sqm	0.00	-	-	0.00	0.00
	10030	Add for providing vertical coupling, mullion bar, or horizontal coupling mullion bar (when openable windows are to be coupled above fixed ones or between two fixed windows)	m	137.30	32.29	-	169.59	195.03

09 05 Common Work Results For Finishes								
09 05 05		Selective Demolition for Finishes	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Selective Demolition, Ceilings						
		Dismantling false ceiling, partitions, wall lining, etc supported / fixed to wooden / aluminium / metal frame including dismantling of frame, stacking of serviceable material and disposal of unserviceable material upto a 50 m lead, with :						
	10005	Plaster of Paris /Gypsum / Plywood / Block board / Particle board / MDF sheets / tiles	sqm	-	123.02	-	123.02	141.47
	10010	Wooden planks	sqm	-	184.55	-	184.55	212.23
	10015	Glass / Mirror / Fabric / Extruded metal	sqm	-	246.50	-	246.50	283.48
	10020	Asbestos cement, celotax or other hard board	sqm	-	123.02	-	123.02	141.47
20		Selective Demolition, Flooring						
		Dismantling tile work in floors and roofs in cement mortar/lime mortar including stacking of serviceable material and disposal of unserviceable material upto a lead of 50 m, of thickness :						
	10005	10 mm to 25 mm	sqm	-	61.52	-	61.52	70.75
	10010	over 25 mm and upto 40 mm	sqm	-	94.15	-	94.15	108.27
	10015	Dismantling dry brick pitching in floors, drains etc, including stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead.	sqm	-	110.37	-	110.37	126.93
	10020	Dismantling stone slab flooring in cement mortar / lime mortar, including stacking of serviceable materials and disposal of unserviceable materials within a 50 m lead.	sqm	-	193.21	-	193.21	222.19
		Demolition of flooring including stacking of serviceable materials and disposal of unserviceable materials upto a 50m lead, with :						
	10025	Parquet flooring	sqm	-	69.62	-	69.62	80.06
	10030	PVC flooring	sqm	-	15.34	-	15.34	17.64
	10035	Carpet flooring	sqm	-	15.34	-	15.34	17.64
30		Selective Demolition, Walls And Partitions						
	10005	Dismantling aluminum partitions, doors, windows, fixed glazing and false ceiling and gypsum partitions / false ceiling including stacking of serviceable materials and disposal of unserviceable materials upto a 50 m lead.	sqm	-	46.61	-	46.61	53.60

09 21 Plaster And Gypsum Board Assemblies								
09 21 13		Plaster Assemblies	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
13		Expansion Control With Chicken Mesh						
	10005	Providing and fixing galvanized chicken wire mesh (24 gauge 12 mm size) to junctions of concrete and masonry work and other locations including cutting to required sizes, side laps of minimum 75 mm and fixing in position with galvanized iron wire nails,	sqm	173.96	389.40	3.13	566.49	651.46

10 28 Toilet, Bath, And Laundry Accessories							
10 28 13	Toilet Accessories	UNIT	BARE COST				TOTAL INCL OHP
			Material	Labour	Equipment	TOTAL	
15	Soap Dispenser						
	Providing and fixing wall mounted liquid soap dispenser, complete, of :						
	10005 CP brass with glass bottle	Each	1,515.04	436.60	-	1,951.64	2,244.39
	10010 CP brass with CP brass bottle	Each	4,907.36	436.60	-	5,343.96	6,145.55
	10015 Stainless steel with stainless steel bottle	Each	1,149.79	436.60	-	1,586.39	1,824.35
17	Grab Bar						
	Providing and fixing angular/bent grab bars fabricated from 32 mm dia. seamless stainless steel tubes with peened non-slip gripping surface, polished flanges firmly fixed, to be fully safe, with heavy duty anchor fastener having finish/capping similar to the grab bar, complete, including cutting and making good the walls/floors for :						
	10005 Wash basin and shower - 610 mm long	Each	2,091.49	655.55	-	2,747.04	3,159.10
	10010 Wall-mounted /floor-mounted for European type water closet - 830 mm high	Each	1,672.04	655.55	-	2,327.59	2,676.73
	10015 Bath tub - 1320 mm long	Each	1,897.11	655.55	-	2,552.66	2,935.56
23	Toilet Paper Holder						
	10005 Providing and fixing CP brass toilet paper holder, surface mounted complete.	Each	1,227.51	261.96	-	1,489.47	1,712.89
	10010 Providing and fixing white glazed vitreous China recessed type toilet paper holder 150 x 150 mm including cutting and making good the walls complete.	Each	852.59	655.55	-	1,508.14	1,734.36
	10015 Providing and fixing white vitreous China toilet paper holder 200 x 150 mm surface mounted complete.	Each	1,156.56	261.96	-	1,418.52	1,631.30
25	Towel Rail						
	10005 Providing and fixing CP brass towel rail 20 mm dia. 600 mm long with CP brass brackets complete.	Each	2,182.35	371.33	-	2,553.68	2,936.73
27	Towel Ring						
	10005 Providing and fixing CP brass towel ring complete with bracket.	Each	1,433.54	261.96	-	1,695.50	1,949.83
37	Soap Dish						
	Providing and fixing wall mounted soap dish of :						
	10005 CP brass of size 150 x 150 mm	Each	1,608.73	261.96	-	1,870.69	2,151.29
	10010 CP brass of size 200 x 150 mm	Each	2,046.15	261.96	-	2,308.11	2,654.33
	10015 Stainless steel of size 150 x 150 mm	Each	241.12	261.96	-	503.08	578.54
	10020 Stainless steel of size 200 x 150 mm	Each	277.34	261.96	-	539.30	620.20
	Providing and fixing white vitreous China recessed type soap tray in cement mortar including pointing with white cement, complete, of size :						
	10025 150 x 75 mm	Each	1,566.47	545.75	-	2,112.22	2,429.05
	10030 150 x 150 mm	Each	900.55	655.55	-	1,556.10	1,789.52
	10035 200 x 100 mm	Each	546.28	655.55	-	1,201.83	1,382.10
	10040 200 x 150 mm	Each	1,635.17	655.55	-	2,290.72	2,634.33
	10045 Tile series 150 x 150 mm	Each	900.55	655.55	-	1,556.10	1,789.52
	10050 Tile series 216 x 108 mm	Each	1,590.17	655.55	-	2,245.72	2,582.58
38	Hand Dryer						

11 30 Residential Equipment								
11 30 34		Residential Ceiling Fans	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
15		Ceiling Fans						
		Providing, installing and testing and commissioning ceiling fan, conforming to IS:374, including regulator, wiring the down rod of standard length (up to 300 mm) with 1.5 sq.mm., PVC insulated, single core cable, etc., complete, of sweep :						
		900 mm :						
	10005	Aluminium conductor wiring	Each	3,926.04	243.38	-	4,169.42	4,794.83
	10010	Copper conductor wiring	Each	3,941.17	243.38	-	4,184.55	4,812.23
		1200 mm :						
	10015	Aluminium conductor wiring	Each	3,926.04	243.38	-	4,169.42	4,794.83
	10020	Copper conductor wiring	Each	3,941.17	243.38	-	4,184.55	4,812.23
		1400 mm :						
	10025	Aluminium conductor wiring	Each	4,263.92	243.38	-	4,507.30	5,183.40
	10030	Copper conductor wiring	Each	4,279.05	243.38	-	4,522.43	5,200.79
61		Ceiling Fans Accessories						
		Providing and fixing 100 mm extra length of heavy duty galvanised steel pipe down rod, conforming to IS:1239, including painting, etc. : (Note:- More than 50 mm length shall be rounded off to the nearest 100 mm and 50 mm or less shall be ignored) :						
	10005	15 mm dia	Each	20.54	50.45	-	70.99	81.64
	10010	20 mm dia	Each	25.44	50.45	-	75.89	87.27

12 36		Countertops		BARE COST				TOTAL INCL OHP
12 36 40	Stone Countertops	UNIT	Material	Labour	Equipment	TOTAL		
10	Natural Stone Countertops							
	Providing and fixing counters or platform with front panel, splash boards, 18 mm thick prepolished colour granite slabs for kitchen/wash basin, vanity counters etc on 20 mm (minimum) thick base cement mortar 1:3 with coarse sand including laying cement slurry pigmented to match the shade of slab, filling the joints, complete :							
	10005 Black granite	sqm	3,008.27	2,990.49	-	5,998.76	6,898.57	
	10010 Gray granite	sqm	2,166.59	2,990.49	-	5,157.08	5,930.64	
	10015 Ruby Red granite	sqm	2,320.89	2,990.49	-	5,311.38	6,108.09	
	10020 Pink / Brown / Yellow granite	sqm	2,245.99	2,990.49	-	5,236.48	6,021.95	
	10025 Green granite	sqm	2,329.69	2,990.49	-	5,320.18	6,118.21	
	10030 Add for providing edge mouldings in profile to 18 mm thick granite stone counters, vanity, etc. including machine polishing to exposed edges to give high glass/mirror polish finish, etc.	m	2.30	268.22	371.28	641.80	738.07	
	10035 Add for providing openings for wash basins / kitchen sink in kitchen platform, vanity counters and similar location in granite stone work including necessary holes for pillar taps, etc., rubbing and polishing of cut edges, etc., complete.	Each	2.30	545.75	354.00	902.05	1,037.36	
	10040 Add for fixing marble / granite stones in facia and / or drop panels of width upto 200 mm with epoxy resin (Araldite or equivalent) adhesive including cleaning etc., complete.	m	2.30	582.21	-	584.51	672.19	
	Providing and fixing counters/platform with front panel, splash boards, 18 mm thick mirror-polished marble slabs for kitchen / wash basin, vanity counters etc on 20 mm average thick base cement mortar 1:3 with coarse sand including laying cement slurry @ 2kg / sqm pigmented to match the shade of slab, filling the joints, complete :							
	Upto 0.2 sqm:							
	10045 Makrana Alveta	sqm	2,069.98	3,176.03	-	5,246.01	6,032.91	
	10050 Banswara White	sqm	1,504.98	3,176.03	-	4,681.01	5,383.16	
	10055 Rajnagar Plain (Agaria White)	sqm	1,483.96	3,176.03	-	4,659.99	5,358.99	
	10060 Ambaji White	sqm	1,671.84	3,176.03	-	4,847.87	5,575.05	
	10065 Makrana Dongri Adanga	sqm	1,360.44	3,176.03	-	4,536.47	5,216.94	
	10070 Makrana Chak Dongri	sqm	1,397.23	3,176.03	-	4,573.26	5,259.25	
	10075 Bhainslana Black	sqm	1,050.76	3,176.03	-	4,226.79	4,860.81	
	10080 Ambaji Green	sqm	2,804.83	3,176.03	-	5,980.86	6,877.99	
	10085 Abu Green	sqm	1,234.65	3,176.03	-	4,410.68	5,072.28	
	10090 Udaipur Green	sqm	1,607.80	3,176.03	-	4,783.83	5,501.40	
	10095 Makrana Pink Plain	sqm	1,191.50	3,176.03	-	4,367.53	5,022.66	
	10100 Makrana Pink Adanga	sqm	1,046.96	3,176.03	-	4,222.99	4,856.44	
	10105 Udaipur Pink	sqm	1,074.56	3,176.03	-	4,250.59	4,888.18	
	Over 0.2 sqm and upto 0.5 sqm:							
	10110 Makrana Alveta	sqm	2,436.57	3,176.03	-	5,612.60	6,454.49	
	10115 Banswara White	sqm	1,594.32	3,176.03	-	4,770.35	5,485.90	

21 05 Common Work Results For Fire Suppression								
21 05 19	Meters and Gages for Fire-Suppression Systems	UNIT	BARE COST				TOTAL INCL OHP	
			Material	Labour	Equipment	TOTAL		
52	Pressure Gauge							
	Providing and fixing pressure gauges with isolation cocks and chrome plated copper pipes at hydrant stations to read pressure from 0-10 kg per sq cm, complete, and of dial dia :							
	10005 100 mm	Each	1,881.76	436.60	-	2,318.36	2,666.11	
	10010 150 mm	Each	1,863.96	436.60	-	2,300.56	2,645.64	
	Providing and fixing dial type pressure gauge, calibrated to 0-10 kg per sq cm, with isolation cock and chrome plated copper pipe at hydrant station, of dial dia :							
	10015 50 mm	Each	1,974.85	436.60	-	2,411.45	2,773.17	
	10020 75 mm	Each	1,974.85	436.60	-	2,411.45	2,773.17	
	10025 100 mm	Each	1,881.76	436.60	-	2,318.36	2,666.11	
	10030 150 mm	Each	1,881.76	436.60	-	2,318.36	2,666.11	
62	Accessories, Meter and Gages							
	Providing and fixing stainless steel orifice flange 6 mm thick, to obtain designed pressure in fire hydrants, complete, including fixing tags showing its designation, to be placed in main pipe, of dia :							
	10005 80 mm	Each	1,256.70	109.15	-	1,365.85	1,570.73	
	10010 100 mm	Each	1,256.70	109.15	-	1,365.85	1,570.73	
21 05 23	General-duty Valves For Water-based Fire-suppression Piping	UNIT	BARE COST				TOTAL INCL OHP	
			Material	Labour	Equipment	TOTAL		
50	General-Duty Valves							
	10005 Providing and fixing 25 mm size single acting air valves with SCR inlet, conforming to IS-12992, complete.	Each	2,349.99	436.60	-	2,786.59	3,204.58	

21 11 Facility Fire-suppression Water-service Piping								
21 11 16	Facility Fire Hydrants	UNIT	BARE COST				TOTAL INCL OHP	
			Material	Labour	Equipment	TOTAL		
50	Fire Hydrants For Buildings							
	10005 Providing and fixing stand post fire hydrants Type A, conforming to IS:908, with 63 mm dia. outlet fitted with gunmetal instantaneous type coupling, 80 mm dia. inlet, one number cast iron double flanged sluice valve, CI duck foot bends and flanged riser, painting with one coat of ready mixed red oxide primer and two coats of synthetic enamel paint of fire red colour, finished to an even shade, complete, excluding the cost of brick chamber.	Each	29,938.79	1,394.01	-	31,332.80	36,032.72	
	10010 Providing and fixing gun metal, under ground type fire hydrants, conforming to IS-909, with control valve and 63 mm dia single outlet fitted with instantaneous type coupling, conforming to IS-901 for connection to hose and 80 mm dia inlet and chained cap, complete, excluding the cost of brick chamber.	Each	40,358.97	655.55	-	41,014.52	47,166.70	

22 05 Common Work Results For Plumbing								
22 05 05		Selective Demolition for Plumbing	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Plumbing Demolition						
		Dismantling CI / GS / PVC / asbestos exposed rain water pipes with fittings and clamps including stacking the serviceable material and disposal of unserviceable material within a 50 m lead, of dia:						
	10005	upto 80 mm	m	-	55.22	-	55.22	63.50
	10010	over 80 mm and upto 150 mm	m	-	57.53	-	57.53	66.16
	10015	over 150 mm	m	-	59.83	-	59.83	68.80
		Dismantling CI / GS / PVC / Asbestos rain water pipes embedded in concrete / brick work with fittings and clamps including dismantling of concrete/brick work etc., stacking the serviceable material and disposal of unserviceable materials up to 50 m lead, of dia:						
	10020	upto 80 mm	m	-	173.96	-	173.96	200.05
	10025	over 80 mm and upto 150 mm	m	-	374.14	-	374.14	430.26
	10030	over 150 mm	m	-	421.47	-	421.47	484.69
22 05 19		Meters And Gages For Plumbing Piping	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
31		Water Meter						
		Providing, fixing and testing water meters, conforming to IS:779, including galvanised steel unions, nipples, CI surface boxes fixed in wall, cutting and making good the wall, of nominal size :						
	10005	15 mm	Each	5,042.21	935.15	-	5,977.36	6,873.96
	10010	20 mm	Each	6,162.27	935.15	-	7,097.42	8,162.03
	10015	25 mm	Each	8,318.15	1,163.10	-	9,481.25	10,903.44
	10020	50 mm	Each	18,775.97	1,412.57	-	20,188.54	23,216.82
22 05 23		General-duty Valves For Plumbing Piping	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
23		Valve, Ball						
		Providing, fixing and testing brass ball valve, SCR lever operated, complete, of size:						
	10005	8 mm	Each	296.09	109.15	-	405.24	466.03
	10010	10 mm	Each	296.09	152.81	-	448.90	516.24
		Providing, fixing and testing brass ball valves with carbon steel lever, complete of size :						
	10015	15 mm	Each	406.15	152.81	-	558.96	642.80
	10020	20 mm	Each	1,107.52	152.81	-	1,260.33	1,449.38
	10025	25 mm	Each	1,761.72	174.64	-	1,936.36	2,226.81
	10030	32 mm	Each	2,407.54	174.64	-	2,582.18	2,969.51
	10035	40 mm	Each	2,622.04	218.30	-	2,840.34	3,266.39
	10040	50 mm	Each	3,318.10	218.30	-	3,536.40	4,066.86
		Providing, fixing and testing brass ball valves with aluminium alloy lever of size :						
	10045	15 mm	Each	949.39	152.81	-	1,102.20	1,267.53
	10050	20 mm	Each	1,436.06	152.81	-	1,588.87	1,827.20
	10055	25 mm	Each	1,792.01	174.64	-	1,966.65	2,261.65
	10060	32 mm	Each	3,487.75	174.64	-	3,662.39	4,211.75
	10065	40 mm	Each	4,944.00	218.30	-	5,162.30	5,936.65

23 07 Hvac Insulation								
23 07 13		Duct Insulation	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Duct Thermal Insulation						
		Providing and fixing, fiber-glass insulation, bonded by resin conforming to IS:8183, for ducts, etc., with 0.5 mm thick aluminium sheet cladding having 50 mm overlap at joints etc., complete, of following thickness and density:						
	10005	25 mm thick 16kg per cum	sqm	902.41	572.05	-	1,474.46	1,695.63
	10010	25 mm thick 24 kg per cum	sqm	969.14	572.05	-	1,541.19	1,772.37
	10015	25 mm thick 32 kg per cum	sqm	1,035.88	572.05	-	1,607.93	1,849.12
	10020	50 mm thick 16 kg per cum	sqm	1,075.09	572.05	-	1,647.14	1,894.21
	10025	50 mm thick 24 kg per cum	sqm	1,207.34	572.05	-	1,779.39	2,046.30
	10030	50 mm thick 32 kg per cum	sqm	1,335.87	572.05	-	1,907.92	2,194.11
		Providing and fixing, rigid polyurethane foam (PUF) slab for thermal insulation, conforming to IS:12436, paper laminated/ unfaced, complete, of following thickness and density:						
	10035	15 mm thick 32 kg per cum	sqm	645.88	437.19	-	1,083.07	1,245.53
	10040	20 mm thick 32 kg per cum	sqm	828.02	437.19	-	1,265.21	1,454.99
	10045	25 mm thick 32 kg per cum	sqm	1,041.68	437.19	-	1,478.87	1,700.70
	10050	30 mm thick 32 kg per cum	sqm	1,225.11	437.19	-	1,662.30	1,911.65
	10055	40 mm thick 32 kg per cum	sqm	1,619.50	437.19	-	2,056.69	2,365.19
	10060	50 mm thick 32 kg per cum	sqm	2,016.29	437.19	-	2,453.48	2,821.50
23 07 19		Hvac Piping Insulation	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
68		HVAC Piping Insulation, Fiber Glass						
		Providing and fixing, resin bonded, fibrous mineral wool slab insulation, water resistant, heat resistant upto temperature 700oC, conforming to IS:8183, wrapped with PVC backed fire resistant hessiancloth, complete, of following density and thickness:						
		Density 48 kg per cum,						
	10005	25 mm thick	sqm	377.93	572.05	-	949.98	1,092.48
	10010	40 mm thick	sqm	519.30	572.05	-	1,091.35	1,255.05
	10015	50 mm thick	sqm	646.87	572.05	-	1,218.92	1,401.76
	10020	75 mm thick	sqm	886.67	572.05	-	1,458.72	1,677.53
		Density 64 kg per cum,						
	10025	25 mm thick	sqm	436.47	572.05	-	1,008.52	1,159.80
	10030	40 mm thick	sqm	616.88	572.05	-	1,188.93	1,367.27
	10035	50 mm thick	sqm	754.85	572.05	-	1,326.90	1,525.94
	10040	75 mm thick	sqm	1,049.29	572.05	-	1,621.34	1,864.54
71		HVAC Piping Insulation, Polyurethane						
		Providing and fixing, polyurethane rigid foam insulation pipe section, conforming to IS:12436 and density 36 kg per m3 with 0.5 mm thick aluminium sheet cladding having 50 mm overlap on joints and supports, complete, of following thickness and nominal bo						
		25 mm thickness :						
	10005	20 mm	m	413.06	67.26	-	480.32	552.37
	10010	25 mm	m	445.13	67.26	-	512.39	589.25
	10015	32 mm	m	512.20	67.26	-	579.46	666.38

26 05 Common Work Results For Electrical								
26 05 13		Medium-Voltage Cables	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
20		Cable End Terminations With Compression Glands						
		Providing and making end termination with single compression brass gland and aluminium lugs for PVC insulated and PVC sheathed / XLPE aluminium conductor cable of 1.1 kV grade, complete, of size :						
	10005	1 core 300 sqmm	Set	442.55	545.75	-	988.30	1,136.55
	10010	1 core 400 sqmm	Set	501.04	545.75	-	1,046.79	1,203.81
	10015	1 core 500 sqmm	Set	604.47	655.55	-	1,260.02	1,449.02
	10020	1 core 630 sqmm	Set	977.65	655.55	-	1,633.20	1,878.18
	10025	2 core 6 sqmm	Set	86.49	218.30	-	304.79	350.51
	10030	2 core 10 sqmm	Set	87.95	261.96	-	349.91	402.40
	10035	2 core 16 sqmm	Set	120.75	261.96	-	382.71	440.12
	10040	2 core 25 sqmm	Set	201.68	261.96	-	463.64	533.19
	10045	2 core 35 sqmm	Set	204.80	261.96	-	466.76	536.77
	10050	2 core 50 sqmm	Set	214.18	261.96	-	476.14	547.56
	10055	2 core 70 sqmm	Set	218.40	261.96	-	480.36	552.41
	10060	3 core 10 sqmm	Set	121.71	261.96	-	383.67	441.22
	10065	3 core 16 sqmm	Set	203.12	261.96	-	465.08	534.84
	10070	3 core 25 sqmm	Set	209.42	261.96	-	471.38	542.09
	10075	3 core 35 sqmm	Set	214.10	261.96	-	476.06	547.47
	10080	3 core 50 sqmm	Set	228.17	261.96	-	490.13	563.65
	10085	3 core 70 sqmm	Set	382.97	349.28	-	732.25	842.09
	10090	3 core 95 sqmm	Set	387.71	349.28	-	736.99	847.54
	10095	3 core 120 sqmm	Set	417.03	545.75	-	962.78	1,107.20
	10100	3 core 150 sqmm	Set	449.31	545.75	-	995.06	1,144.32
	10105	3 core 185 sqmm	Set	770.93	545.75	-	1,316.68	1,514.18
	10110	3 core 240 sqmm	Set	1,113.98	545.75	-	1,659.73	1,908.69
	10115	3 core 300 sqmm	Set	1,224.32	545.75	-	1,770.07	2,035.58
	10120	3 core 400 sqmm	Set	1,558.35	720.39	-	2,278.74	2,620.55
	10125	3½ core 25 sq. mm	Set	215.06	261.96	-	477.02	548.57
	10130	3½ core 35 sqmm	Set	219.74	349.28	-	569.02	654.37
	10135	3½ core 50 sqmm	Set	235.91	349.28	-	585.19	672.97
	10140	3½ core 70 sqmm	Set	392.27	349.28	-	741.55	852.78
	10145	3½ core 95 sqmm	Set	401.70	545.75	-	947.45	1,089.57
	10150	3½ core 120 sqmm	Set	438.97	545.75	-	984.72	1,132.43
	10155	3½ core 150 sqmm	Set	758.73	545.75	-	1,304.48	1,500.15
	10160	3½ core 185 sqmm	Set	794.45	545.75	-	1,340.20	1,541.23
	10165	3½ core 240 sqmm	Set	1,146.59	545.75	-	1,692.34	1,946.19
	10170	3½ core 300 sqmm	Set	1,432.40	720.39	-	2,152.79	2,475.71
	10175	3½ core 400 sqmm	Set	1,893.42	720.39	-	2,613.81	3,005.88
	10180	4 core 10 sq. mm	Set	125.79	261.96	-	387.75	445.91
	10185	4 core 16 sqmm	Set	208.76	261.96	-	470.72	541.33
	10190	4 core 25 sqmm	Set	217.16	349.28	-	566.44	651.41
	10195	4 core 35 sqmm	Set	223.40	349.28	-	572.68	658.58
	10200	4 core 50 sqmm	Set	373.11	349.28	-	722.39	830.75
	10205	4 core 70 sqmm	Set	363.38	545.75	-	909.13	1,045.50
	10210	4 core 95 sqmm	Set	404.61	545.75	-	950.36	1,092.91
	10215	4 core 120 sqmm	Set	694.93	545.75	-	1,240.68	1,426.78

27 15 Communications Horizontal Cabling								
27 15 10		Special Communications Cabling	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
25		Cable, Telephone						
		Providing and drawing PVC insulated, PVC sheathed, tinned copper conductor telephone cable in the existing surface/recessed, PVC/steel conduit/PVC casing and capping, of size :						
		0.51 mm dia,						
	10005	1 pair	m	12.84	77.88	-	90.72	104.33
	10010	2 pair	m	24.38	77.88	-	102.26	117.60
	10015	3 pair	m	35.20	77.88	-	113.08	130.04
	10020	5 pair	m	53.57	77.88	-	131.45	151.17
	10025	10 pair	m	103.25	77.88	-	181.13	208.30
	10030	20 pair	m	198.88	77.88	-	276.76	318.27
	10035	50 pair	m	521.61	87.62	-	609.23	700.61
		0.61 mm dia,						
	10040	1 pair	m	16.71	77.88	-	94.59	108.78
	10045	2 pair	m	32.15	77.88	-	110.03	126.53
	10050	3 pair	m	47.18	77.88	-	125.06	143.82
	10055	5 pair	m	72.78	77.88	-	150.66	173.26
	10060	10 pair	m	140.66	77.88	-	218.54	251.32
	10065	20 pair	m	273.08	77.88	-	350.96	403.60
	10070	50 pair	m	741.17	87.62	-	828.79	953.11
		0.71 mm dia,						
	10075	1 pair	m	17.46	77.88	-	95.34	109.64
	10080	2 pair	m	42.62	77.88	-	120.50	138.58
	10085	3 pair	m	64.88	77.88	-	142.76	164.17
	10090	5 pair	m	106.71	77.88	-	184.59	212.28
	10095	10 pair	m	212.93	77.88	-	290.81	334.43
	10100	20 pair	m	423.11	77.88	-	500.99	576.14
	10105	50 pair	m	919.93	87.62	-	1,007.55	1,158.68

28 46 Fire Detection and Alarm								
28 46 11		Fire Sensors and Detectors	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
14		Smoke Detector						
		Providing and fixing smoke detector, conforming to IS:11360, including making connections, of type :						
	10005	Ionisation	Each	2,906.08	116.82	-	3,022.90	3,476.34
		Providing and fixing, addressable smoke detector, conforming to IS:11360, including making connection, of type :						
	10010	Ionisation	Each	6,200.22	116.82	-	6,317.04	7,264.60
	10015	Photo-electric/optical	Each	2,725.96	233.64	-	2,959.60	3,403.54
17		Beam Smoke Detection Sensors						
		Providing and fixing smoke detector, conforming to IS:11360, including making connections, of type :						
	10005	Photo-electric/optical	Each	2,725.96	233.64	-	2,959.60	3,403.54
27		Other Sensors						
	10005	Providing and fixing spot (response) indicator including making connection.	Each	223.82	272.58	-	496.40	570.86
50		Fire & Heat Detectors						
		Providing and fixing heat detector, conforming to IS:2175, including making connections, of type :						
	10005	Rate of rise (ROR)	Each	2,603.37	116.82	-	2,720.19	3,128.22
	10010	Fixed temperature	Each	2,283.97	116.82	-	2,400.79	2,760.91
	10015	Rate of rise - cum - fixed temperature	Each	2,505.64	116.82	-	2,622.46	3,015.83
		Providing and fixing, addressable heat detector, conforming to IS:2175, including making connections, of type :						
	10020	Rate of rise (ROR)	Each	5,908.23	116.82	-	6,025.05	6,928.81
	10025	Fixed temperature	Each	5,666.86	116.82	-	5,783.68	6,651.23
	10030	Rate of rise - cum - fixed temperature	Each	5,908.23	116.82	-	6,025.05	6,928.81
28 46 12		Other Initiating Devices	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
11		Fire Alarm Pull Stations						
	10005	Providing and fixing manual call box, complete with cover, switch including making connections.	Each	1,791.11	272.58	-	2,063.69	2,373.24
15		Fire Alarm Flow Switches						
	10005	Providing and fixing electrically operated flow indicating switches with threaded connection for indicating a minimum flow of 90 lpm in sprinkler branch line in each zone with necessary local junctions box close to flow switch, complete.	Each	11,741.72	764.05	-	12,505.77	14,381.64
28 46 21		Fire Alarm	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
11		Addressable Fire-Alarm Systems						
	10005	Providing fixing, testing and commissioning addressable automatic re-settable fault isolator for isolating shorted, de-wired, loose circuits between two successive fault isolators, including making connections.	Each	7,467.17	486.75	-	7,953.92	9,147.01
	10010	Providing,fixing,testing and commissioning addressable control module including	Each	7,467.17	973.50	-	8,440.67	9,706.77

31 08 Commissioning Of Earthwork								
31 08 13		Pile Load Testing	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
11		Pile Load Testing						
		Vertical load testing (INITIAL) of piles in accordance with IS 2911 (Part IV) including installation of loading platform / or reaction piles and preparation of pile head or construction of test cap and dismantling of test cap after test etc. to 150% of designed load, complete, of pile capacities :						
	10005	upto 50 ton	/test	51,920.00	-	-	51,920.00	59,708.00
	10010	above 50 ton and upto 100 ton	/test	94,400.00	-	-	94,400.00	108,560.00
	10015	add for every additional 50 ton or part thereof	/test/50 t	51,920.00	-	-	51,920.00	59,708.00
		Vertical load testing (ROUTINE) of piles in accordance with IS 2911 (Part IV) including installation of loading platform / or reaction piles and preparation of pile head or construction of test cap and dismantling of test cap after test etc. to 150% of designed load, complete, of pile capacities :						
	10020	Upto 50 ton	/test	51,920.00	-	-	51,920.00	59,708.00
	10025	above 50 ton and upto 100 ton	/test	94,400.00	-	-	94,400.00	108,560.00
	10030	add for every additional 50 ton or part thereof	/test/50 t	41,300.00	-	-	41,300.00	47,495.00
		Cyclic vertical load testing of pile in accordance with IS:2911 (part IV) including preparation of pile head etc., to 150% of designed load, complete, of pile capacities :						
	10035	upto 50 ton	/test	51,920.00	-	-	51,920.00	59,708.00
	10040	above 50 t and upto 100 ton	/test	94,400.00	-	-	94,400.00	108,560.00
	10045	add for every additional 50 ton or part thereof	/test/50 t	51,920.00	-	-	51,920.00	59,708.00
		Lateral load testing of single pile in accordance with IS:2911 (Part IV) to 150% of designed load, complete, of pile capacities :						
	10050	upto 50 ton	/test	51,920.00	-	-	51,920.00	59,708.00
	10055	Above 50 ton and upto 100 ton	/test	81,420.00	-	-	81,420.00	93,633.00
	10060	Add for every additional 50 ton or part thereof.	/test/50 t	51,920.00	-	-	51,920.00	59,708.00
		Vertical load testing (INITIAL) of piles in accordance with IS 2911 (Part IV) including installation of loading platform / or reaction piles and preparation of pile head or construction of test cap and dismantling of test cap after test etc. to 250% of designed load complete, of pile capacities :						
	10065	upto 50 ton	/test	51,920.00	-	-	51,920.00	59,708.00
	10070	above 50 ton and upto 100 ton	/test	94,400.00	-	-	94,400.00	108,560.00
	10075	add for every additional 50 ton or part thereof	/test/50 t	51,920.00	-	-	51,920.00	59,708.00
		Vertical load testing (ROUTINE) of piles in accordance with IS 2911 (Part IV) including installation of loading platform / or reaction piles and preparation of pile head or construction of test cap and dismantling of test cap after test etc. to 250% of designed load, complete, of pile capacities :						

32 11 Base Courses								
32 11 13		Subgrade Modifications	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
12		Subgrade						
	10005	Preparation of subgrade by excavating or filling with available earth to an average of 225 mm depth, dressing to camber, watering and consolidating with road roller of 8-10 t capacity including making good the undulations etc. and disposal of surplus earth / bringing earth from borrow pits within a lead of 50 m, complete.	100 sqm	85.89	15,724.56	316.24	16,126.69	18,545.69
	10010	Consolidation of sub-grade with road roller of 8 to 10t capacity including making good the undulations, etc. with earth or quarry spoils, etc. and rerolling the sub-grade, complete.	100 sqm	85.89	41.42	318.60	445.91	512.80
	10015	Add for compaction of earth work in embankment under optimum moisture conditions to give at least 95% of the maximum dry density (Proctor density)	100 cm	127.51	1,665.91	477.31	2,270.73	2,611.34
32 11 23		Aggregate Base Courses	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
10		Aggregate Base Courses						
		Providing and laying water bound macadam with stone aggregate, stone screening and blinding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 t capacity etc., complete, of courses :						
	10005	Sub-base with stone aggregate 90 to 45 mm including stone screening 13.2 mm size	cum	2,184.20	799.36	233.05	3,216.61	3,699.10
	10010	Base course with 63 to 45 mm size including stone screening 13.2 mm size	cum	2,203.81	667.44	194.70	3,065.95	3,525.84
	10015	Base course with 53 to 22.4 mm size including stone screening 11.2 mm size	cum	2,142.13	667.44	194.70	3,004.27	3,454.91
		Laying water bound macadam with stone aggregate, stone screening and blinding material including screening, sorting, spreading to template and consolidation with power road roller of 8 to 10 t capacity etc. complete (payment for stone aggregate, screenings, kankar, moorum and red bajri etc. to be made separately) of courses:						
	10020	Sub-base with stone aggregate 90 to 45 mm including stone screening 13.2 mm size.	cum	38.25	799.36	233.05	1,070.66	1,231.26
	10025	Base course with 63 to 45 mm size including stone screening 13.2 mm size.	cum	52.24	667.44	194.70	914.38	1,051.54
	10030	Base course with 53 to 22.4 mm size including stone screening 11.2 mm size.	cum	52.24	667.44	194.70	914.38	1,051.54
	10035	Scarifying metalled (water-bound) road surface including disposal of rubbish, lead upto 50 m and consolidation of the aggregate received from scarifying with power road roller of 8 to 10 t capacity, complete.	100 sqm	21.25	1,966.66	756.38	2,744.29	3,155.93
	10040	Providing and edging with bricks of class 75 in full brick width and half brick depth including excavation, refilling and disposal	m	94.98	78.38	-	173.36	199.36

33 01 Operation And Maintenance Of Utilities								
33 01 10		Operation And Maintenance Of Water Utilities	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
58		Disinfection of Water Utility Piping Systems						
		Disinfecting CI water mains by flushing with potable water containing bleaching powder at the rate of 0.5 gms per liter of water and cleaning the same with fresh potable water including getting the sample of water from the disinfected main tested in the laboratory after third operation and repeating the operations till satisfactory result is obtained, of nominal dia.:						
	10005	80 mm	100 m	58.77	1,565.04	-	1,623.81	1,867.38
	10010	100 mm	100 m	87.65	2,032.69	-	2,120.34	2,438.39
	10015	125 mm	100 m	130.99	2,506.42	-	2,637.41	3,033.02
	10020	150 mm	100 m	195.98	2,976.37	-	3,172.35	3,648.20
	10025	200 mm	100 m	340.42	3,921.82	-	4,262.24	4,901.58
	10030	250 mm	100 m	535.42	4,831.20	-	5,366.62	6,171.61
	10035	300 mm	100 m	766.52	5,291.31	-	6,057.83	6,966.50
	10040	350 mm	100 m	1,040.96	5,818.15	-	6,859.11	7,887.98
	10045	400 mm	100 m	1,365.95	6,283.50	-	7,649.45	8,796.87
	10050	450 mm	100 m	1,727.05	6,829.87	-	8,556.92	9,840.46
	10055	500 mm	100 m	2,131.48	7,306.45	-	9,437.93	10,853.62
	10060	600 mm	100 m	3,063.12	8,267.83	-	11,330.95	13,030.59

33 05 Common Work Results For Utilities								
33 05 39		Concrete Pipe	UNIT	BARE COST				TOTAL INCL OHP
				Material	Labour	Equipment	TOTAL	
51		Pipe, RCC						
		Providing, laying, jointing and testing , RCC plain ended pipes of NP2 class, conforming to IS:458, with collars, jointed with stiff mixture of cement mortar 1:2 with fine sand including tarred spun yarn, complete, excluding trenching and back filling, of nominal dia. :						
	10005	100 mm	m	735.86	147.26	-	883.12	1,015.59
	10010	150 mm	m	795.55	175.88	-	971.43	1,117.14
	10015	250 mm	m	972.99	287.50	-	1,260.49	1,449.56
	10020	300 mm	m	1,207.94	302.81	-	1,510.75	1,737.36
	10025	450 mm	m	1,737.05	340.55	-	2,077.60	2,389.24
	10030	500 mm	m	2,102.81	364.99	-	2,467.80	2,837.97
	10035	600 mm	m	2,346.93	409.06	-	2,755.99	3,169.39
	10040	700 mm	m	2,605.96	464.38	-	3,070.34	3,530.89
	10045	800 mm	m	3,506.45	508.98	-	4,015.43	4,617.74
	10050	900 mm	m	4,180.80	605.34	-	4,786.14	5,504.06
	10055	1000 mm	m	5,024.93	762.17	-	5,787.10	6,655.17
	10060	1100 mm	m	6,865.76	922.47	-	7,788.23	8,956.46
	10065	1200 mm	m	8,235.56	1,173.94	-	9,409.50	10,820.93
		Providing, laying, jointing and testing, RCC, S & S pipes of NP2 class, conforming to IS:458, jointed with stiff mixture of cement mortar in 1:2 with fine sand including tarred spun yarn, complete, excluding trenching and back filling, of nominal dia.:						

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