

CHAPTER - 11 : FINISHING MASONARY				
Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
	<i>Note : Rates for external plaster are for height upto 10m from ground level, unless otherwise stated.</i>			
	CEMENT PLASTER (IN FINE SAND) :			
111010	12 mm cement plaster of mix -			
111011	1:4 (1cement: 4 fine sand)	Sqm	55.63	0.055
111012	1:6 (1cement: 6fine sand)	Sqm	55.63	0.036
111020	15 mm cement plaster on the rough side of single or half brick wall of mix -			
111021	1:4 (1cement: 4 fine sand)	Sqm	63.82	0.065
111022	1:6 (1cement: 6 fine sand)	Sqm	63.82	0.043
111030	20 mm cement plaster of mix -			
111031	1:4 (1cement: 4 fine sand)	Sqm	74.58	0.085
111032	1:6 (1cement: 6fine sand)	Sqm	74.58	0.056
111040	12 mm cement plaster of mix -			
111041	1:4 (1cement: 4coarse sand)	Sqm	56.52	0.055
111042	1:6 (1cement: 6coarse sand)	Sqm	56.52	0.036
111050	15 mm cement plaster on the rough side of single or half brick wall of mix -			
111051	1:4 (1cement: 4coarse sand)	Sqm	64.89	0.065
111052	1:6 (1cement: 6coarse sand)	Sqm	64.89	0.043
111060	20 mm cement plaster of mix			
111061	1:4 (1cement: 4coarse sand)	Sqm	75.97	0.085
111062	1:6 (1cement: 6coarse sand)	Sqm	75.97	0.056
111070	12 mm cement plaster finished with a floating coat of neat cement of mix -			
111071	1:3 (1cement: 3fine sand)	Sqm	66.45	0.095
111072	1:4 (1cement: 4fine sand)	Sqm	67.38	0.077
111080	15mm cement plaster on rough side of single or half brick wall finished a floating coat of neat cement of mix -			
111081	1:3 (1cement: 3fine sand)	Sqm	75.57	0.110
111082	1:4 (1cement: 4fine sand)	Sqm	75.57	0.087
111090	12 mm cement plaster 1:3 (1cement: 3coarse sand) finished with a floating coat of neat cement	Sqm	68.28	0.095
111100	15 mm cement plaster 1:3 (1cement: 3coarse sand) finished with a floating coat of neat cement on the rough side of single or half brick wall	Sqm	76.64	0.110
	CEMENT PLASTER IN TWO COATS :			
111110	18 mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1cement: 5coarse sand) finished with a top layer 6mm thick cement plaster 1:6 (1cement: 6fine sand)	Sqm	84.88	0.063

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111120	18 mm cement plaster in two coats under layer 12mm thick cement plaster 1:5 (1cement: 5coarse sand) and a top layer 6mm thick cement plaster 1:3 (1cement: 3coarse sand) finished rough with sponge/rubber pad	Sqm	84.88	0.081
111130	12 mm cement plaster 1:2 (1cement: 2stone dust)	Sqm	62.82	0.098
111140	15 mm cement plaster 1:2 (1cement: 2stone dust) on the rough side of single or half brick wall	Sqm	72.41	0.117
111150	Cement plaster to ceiling of mix -			
111151	6 mm thick 1:3 (1cement: 3 fine sand)	Sqm	49.30	0.037
111152	12 mm thick 1:3 (1cement: 3 fine sand)	Sqm	58.89	0.073
111160	6 mm cement plaster 1:3 to CC/RCC in columns, beams, stairs etc when specifically ordered except underside of ceiling	Sqm	50.40	0.037
111170	6 mm cement plaster 1:3 (1cement: 3fine sand) finished with a floating coat of neat cement and thick coat of lime wash on top of walls when dry for bearing of R.C.C. slabs and beams	Sqm	65.20	0.059
111180	Neat cement punning	Sqm	11.76	0.022
	SPECIAL TYPES PLASTER			
112010	12 mm cement lime plaster of mix: : (For repair works only)			
112011	1:1:6 (1cement: 1lime putty: 6 fine sand)	Sqm	71.35	0.036
112012	1:1:9 (1cement: 1lime putty: 9 fine sand)	Sqm	69.29	0.024
112020	15 mm cement lime plaster on rough side of single or half brick wall of mix. (For repair works only)			
112030	1:1:6 (1cement: 1lime putty: 6 fine sand)	Sqm	80.01	0.042
112040	Providing and applying plaster of Paris putty of 2mm average thickness over plastered surface to prepare the surface even and smooth complete	Sqm	66.58	
112050	Providing and applying 12mm thick (average) premixed formulated one coat gypsum lightweight plaster having additives and light weight aggregates as vermiculite/perlite respectively conforming to IS:2547 (Part-1 & II) 1976, applied on hacked/uneven background such as bare brick/block/RCC work on walls & ceiling at all floors and locations, finished in smooth line and level etc. complete	Sqm	285.76	
112060	Rough cast plaster upto 10m height above ground level with a mixture of sand and gravel or crushed stone from 6mm to 10mm nominal size dashed over and including the fresh plaster in two layers, under layer 12mm ordinary cement plaster 1:4 (1cement: 4coarse sand) and top layer 10mm cement plaster 1:3 (1cement: 3fine sand)	Sqm	155.58	0.116

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
112070	Pebble dash plaster upto 10m height above ground level with a mixture of washed pebble or crushed stone 6mm to 12.5mm nominal size) dashed over and including fresh plaster in two layers under layer 12mm cement plaster 1:4 (1cement: 4coarse sand) and top layer 10mm cement plaster with cement mortar 1:3 (1cement: 3fine sand)	Sqm	145.07	0.116
112080	Washed stone grit plaster on exterior walls of height upto 10m above level in two layers, under layer 12mm cement plaster 1:4 (1cement: 4coarse sand) furrowing the under layer with scratching tool, applying cement slurry on the under layer @ 2kg. of cement per square meter, top layer 15mm cement plaster 1:1.2:2 (1cement:1.2coarse sand: 2stone chipping 10mm nominal size) in panels with groove all around as per approved pattern including scrubbing and washing, the top layer with brushes and water to expose the stone chippings, complete as per specification and direction of the Engineer-in-Charge (payment for providing grooves shall be made separately)	Sqm	208.50	0.164
112090	Extra for washed stone grit plaster on exterior walls of height more than 10m from ground level for every additional height of 3m or part thereof	Sqm	19.77	
112100	Extra for washed stone grit plaster on circular work not exceeding 6m in radius (in two coats)	Sqm	28.30	
112110	Extra for using white cement in place of ordinary cement in the top layer of the item of washed stone grit plaster	Sqm	136.48	
112120	18mm plastering upto 10m height above ground level with terrazzo finish rubbed and polished complete, under layer 12mm thick cement plaster 1:3 (1cement: 3coarse sand) and top layer 6mm thick white, black, chocolate, grey, yellow or baroda green marble chips of 3mm and down size laid in cement marble powder mix 3:1 (3cement: 1marble powder) by weight in proportion of 4:7 (4cement marble powder mix: 7marble chips) by volume	Sqm	401.50	0.129
112130	Extra if white cement is used instead of ordinary cement in top layer of 18mm thick plastering with terrazzo finish	Sqm	69.60	0.000
112140	Extra if colour is added to grey or white cement in top layer of 18mm plastering with terrazzo finish			
112141	Red, Chocolate, Orange or buff (yellow) colour	Sqm	25.51	
112142	Black colour	Sqm	16.49	
112143	Blue or green colour	Sqm	17.65	
112150	Extra for 18mm thick terrazzo finish marble chips plastering circular work not exceeding 6metre radius	Sqm	14.98	
	PLAIN CEMENT MORTAR BANDS :			
113010	12mm thick cement mortar bands in cement mortar 1:4 (1cement: 4fine sand)			

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
113011	Flush Band plain	m long x cm wide	1.28	0.001
113012	Sunk Band plain	m long x cm wide	1.40	0.001
113013	Raised Band plain	m long x cm wide	1.61	0.001
113014	Moulded Band	m long x cm wide	2.80	0.001
113020	18mm thick cement mortar band incl. cement mortar 1:4 (1cement: 4fine sand) -			
113021	Flush Band plain	m long x cm wide	1.54	0.001
113022	Sunk Band plain	m long x cm wide	1.71	0.001
113023	Raised Band plain	m long x cm wide	1.97	0.001
113024	Moulded Band	m long x cm wide	3.71	0.001
113030	18 mm thick moulded cement mortar band in two coats under layer 12mm thick with cement mortar 1:5 (1cement: 5coarse sand) top layer 6mm thick with cement mortar 1:4 (1cement: 4fine sand)	m long x cm wide	3.72	0.001
	POINTING			
114010	Pointing on brick work with cement mortar 1:3(1cement: 3fine sand)			
114011	Flush/Ruled/Struck or weathered pointing	Sqm	43.64	0.015
114012	Raised and cut pointing	Sqm	71.50	0.020
114020	Pointing on brick/tile flooring with cement mortar 1:3 (1cement: 3fine sand)			
114021	Flush pointing	Sqm	35.50	0.015
114022	Ruled pointing	Sqm	42.83	0.015
114030	Flush/ Ruled/ Struck or Weathered Pointing on tile brick work with cement mortar 1:3 (1cement: 3fine sand)	Sqm	58.75	0.015
114040	Pointing on stone work with cement mortar 1:3 (1cement: 3fine sand)			
114041	Flush/ Ruled pointing	Sqm	66.61	0.024
114042	Raised and cut pointing	Sqm	121.34	0.024
114050	Raised and cut pointing on stone work in white cement mortar 1:3 (1white cement: 3marble dust)	Sqm	152.19	0.024
114060	Deep grooved pointing on Coarse Rubble masonry 1:3	Sqm	106.16	0.024
114070	Flush Pointing on stone slab flooring with cement mortar 1:2 (1cement: 2fine sand)	Sqm	28.60	0.007
114080	Flush Pointing on dry stone pitching in cement and sand (ordinary) 1:3	Sqm	18.26	0.012
114090	Flush pointing to joints of Mangalore tiled roof 12 mm. deep with cement mortar 1:2	Sqm	67.19	0.015
114100	Pointing on stone slab ceiling with cement mortar 1:2 (1cement: 2fine sand)			
114101	Flush pointing	Sqm	36.59	0.007

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
114102	Ruled pointing	Sqm	41.00	0.007
114110	Extra for pointing on walls on the outside at height more than 10m from ground level for every additional height of 3m or part thereof	Sqm	3.11	
	WHITE WASHING, COLOUR WASHING DISTEMPERING AND PAINTING			
115010	White washing with lime to give an even shade			
115011	New work (three or more coats)	Sqm	9.16	
115012	Extra for using zinc oxide 75 gm per kg of lime for final coat of white washing	Sqm	3.99	
115020	Lime wash on walls one coat with quick lime of approved quality	Sqm	3.58	
115030	Colour washing such as green, blue or buff to give an even shade			
115031	New work (two or more coats) with a base coat of white washing with lime	Sqm	11.14	
115032	New work (two or more coats) with a base coat of whitening	Sqm	11.26	
115040	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade			
115041	New work (two or more coats of distemper) over and including priming coat with cement primer	Sqm	53.96	
115042	New work (two or more coats of distemper) over and including priming coat with distemper primer	Sqm	54.17	
115050	Distempering two or more coats on new work with 1st quality acrylic washable distemper (ready mixed) of approved manufacturer and of required shade and colour complete as per manufacturer's specification	Sqm	31.90	
115060	Applying one coat of cement primer of approved brand and manufacture on wall surface	Sqm	21.89	
115070	Extra over Item 115040,115050 in case primer is applied on gritted/ rough cast/ sand faced or alike rough surfaces	Sqm	0.25	
115080	Finishing walls with Deluxe Multi surface paint system for interiors and exteriors using Primer as per manufacturers specifications with two or more coats applied @ 1.25ltr/10 sqm over and including one coat of Special primer applied @ 0.75 ltr/10sqm	Sqm	71.80	
115090	Wall painting on new work with two or more coats of plastic emulsion paint of approved brand and manufacture to give an even shade	Sqm	49.03	
115091	Extra over Items for roller painting in lieu of normal brush painting if specifically ordered	Sqm	9.28	
115092	Extra over Items for spray painting in lieu of normal brush painting if specifically ordered	Sqm	11.99	
115100	Painting one thin coat with white lead of approved brand and manufacture on wet or patchy portion of plastered surfaces	Sqm	27.38	

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
115110	Finishing walls with water proofing cement paint of required shade two or more coats on new work applied @ 3.84 Kg/10 sqm	Sqm	36.35	

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
115120	Cement washing single coat.(Ordinary Portland cement)	Sqm	3.73	0.002
115130	Cement washing two coat.(Ordinary Portland cement)	Sqm	5.63	0.004
115140	Finishing walls with textured exterior paint of required shade on new work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20 kg/10sqm	Sqm	115.66	
115150	Finishing walls with textured Interior paint of required shade on new work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20 kg/10sqm	Sqm	74.40	
115160	Finishing walls with Acrylic Smooth exterior paint with Silicone additives of required shade on new work (Two or more coats applied @ 1.67ltr/10 sqm over and including one coat of water proofing cement paint applied @ 2.20 kg/10sqm	Sqm	64.07	
115170	Finishing walls with Acrylic Smooth Interior paint of required shade on new work (Two or more coats applied @ 1.67 ltr/10 sqm over and including base coat of water proofing cement paint applied @ 2.20 kg/10sqm	Sqm	74.90	
115180	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade on new work (Two or more coats applied @ 1.43ltr/10 sqm over and including one coat of water proofing cement paint applied @ 2.20 kg/10sqm	Sqm	72.06	
115190	Finishing walls with Premium Acrylic Smooth Interior paint with Silicone additives of required shade on new work (Two or more coats applied @ 1.43ltr/10 sqm over and including one coat of water proofing cement paint applied @ 2.20 kg/10sqm	Sqm	75.59	
115200	Extra for applying water proofing cement paint as primer applied @ 2.2kg/10 sqm instead of primer for exterior finishing	Sqm	2.93	
	MISCELLANEOUS			
116010	Cement plaster 1:3, 12 mm thick (1Cement :3 ordinary sand) on girders/ RCC columns or other parts encased with rabbit wire netting or expanded metal. (Note : the payment for encasing to be done separately)	metre	67.24	0.077
116020	Rounding top of walls, 20/23 cm thick wall, with cement mortar 1 : 6 finish, with hearting of brick masonry.(Ht at centre=10/11.5 cms)	metre	45.96	0.033
116030	Rounding top of walls, 30/35 cm thick wall, with cement mortar 1: 6 finish, with hearting of 1: 3: 6 cement concrete. (Ht at centre =15/17.5 cms)	metre	77.53	0.099

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
116040	Fixing sharp glass pieces in cement mortar 1:4, 25 mm, thick, on the top of brick masonry or stone masonry compound walls (Glass pieces to be supplied by the contractor)	Sqm	86.04	0.106

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
116050	Fixing Railway's glass pieces on compound wall including cement plastering 20mm thick in cement mortar 1:4 (1 cement : 4 sand)	Sqm	52.13	0.106
116060	Ragging masonry or concrete surface including watering and cleaning			
116061	Masonry or concrete built in cement mortar	Sqm	13.23	
116062	Masonry or concrete built in lime mortar	Sqm	12.28	
116070	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 on concrete work	Sqm	91.66	
116080	Floor painting on new work with two or more coats of floor enamel paint of approved brand and manufacture to give an even shade :	Sqm	50.60	
116090	Floor polishing on masonry or concrete floors with wax polish of approved brand and manufacture	Sqm	20.41	
116100	Extra for providing and mixing water proofing compound (pH>7, Sp.Gravity 1.06±0.02, conforming to IS:2645) in cement plaster @ 100ml per 50 kg cement bag	100 ml	14.04	
116110	Extra for plastering exterior walls of height more than 10 m from ground level for every additional height of 3m or part thereof	Sqm	18.79	
116120	Extra for plastering on circular work not exceeding 6m in radius			
116121	In one coat	Sqm	8.84	
116122	In two coats	Sqm	13.58	
116130	Extra for plastering done on moulding cornices or architraves including neat finish to line and level			
116131	In one coat.	Sqm	129.97	
116132	In two coats.	Sqm	213.36	
116140	Extra for plastering on			
116141	Spherical ceiling.	Sqm	34.29	
116142	Groined ceiling. (Gritted)	Sqm	37.41	
116143	Flowing soffits.(spiral)	Sqm	22.46	
116150	Extra for lining out plaster to imitate stone or concrete blocks walling.	Sqm	21.12	
116160	Extra for forming groove of uniform size from 12x12mm and upto 25x15mm in plastered surface as per approved pattern using wooden battens, nailed to the under layer including removal of wooden battens, repairs to the edges of plaster panel and finishing the groove complete as per specifications and the direction of the Engineer-in-Charge	Sqm	24.24	
	White/Colour washing/Pointing on Old work			
117010	Pointing on brick work with lime surkhi mortar 1:2 (1lime putty: 2surkhi). (On Old Work)			

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
117011	Flush pointing	Sqm	58.06	

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
117012	Ruled pointing	Sqm	58.72	
117013	Struck or weathered pointing	Sqm	58.61	
117020	Pointing on brick work with an admixture of white cement lime putty marble dust and stone dust in proportion ¼:1:1:1 (¼white cement: 1lime putty: 1marble dust: 1stone dust). (On Old Work)			
117021	Flush pointing	Sqm	64.00	
117022	Ruled pointing	Sqm	64.27	
117023	Struck or weathered pointing	Sqm	64.55	
117030	Pointing on tile brick work with lime mortar 1:2 (1lime putty: 2surkhi). (On Old Work)			
117031	Flush pointing	Sqm	83.57	
117032	Ruled pointing	Sqm	85.14	
117033	Struck or weathered pointing	Sqm	83.79	
117040	Pointing on tile brick work with an admixture of white cement lime marble dust and stone dust in proportion ¼:1:1:1 (¼white cement: 1lime putty: 1marble dust: 1stone dust). (On Old Work)			
117041	Flush pointing	Sqm	92.69	
117042	Ruled pointing	Sqm	94.25	
117043	Struck or weathered pointing	Sqm	92.91	
117050	White washing with lime to give an even shade			
117051	Old work (two or more coats)	Sqm	7.18	
117052	Old work (one or more coats)	Sqm	5.26	
117060	White washing with whiting to give an even shade			
117061	Old work (two or more coats)	Sqm	6.90	
117062	Old work (one or more coats)	Sqm	5.07	
117070	Colour washing such as green, blue or buff to give an even shade			
117071	Old work (two or more coats) with lime	Sqm	7.29	
117072	Old work (two or more coats) with whiting	Sqm	7.01	
117073	Old work (one or more coats) with lime	Sqm	5.33	
117074	Old work (one or more coats) with whiting	Sqm	5.14	
117080	Oil bound distemper after removing old white/ colour wash by scrapping and sand papering etc., preparing the surface smooth including necessary repairs to scratches with putty etc complete			
117081	Two or more coat, to give an even shade	Sqm	50.72	
117082	One or more coat, to give an even shade	Sqm	40.65	
117090	Plastic emulsion paint after removing white/colour wash by scrapping and sand papering etc., preparing the surface smooth including necessary repairs to scratches with putty etc complete			
117091	Two or more coat, to give an even shade	Sqm	71.30	
117092	One or more coat, to give an even shade	Sqm	53.50	
	New Items To Be Added By Zonal Railways			

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
118010				

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
118020				
118030				
118040				
118050				
118060				
118070				
118080				
118090				
118100				