

CHAPTER - 6 : STONE WORK				
Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
	RANDOM RUBBLE MASONRY :			
061010	Random rubble masonry with hard stone in foundation and plinth including levelling up with concrete as per specifications, upto plinth level with :			
061011	Cement mortar 1:3 (1cement:3 fine sand)	cum	1567.99	1.680
061012	Cement mortar 1:4 (1cement:4 fine sand)	cum	1567.99	1.250
061013	Cement mortar 1:6 (1cement: 6coarse sand)	cum	1609.60	0.830
061014	Cement mortar 1:6 (1cement: 6fine sand)	cum	1589.29	0.830
061015	Lime mortar 1:1:1 (1lime putty: 1surkhi: 1 fine sand)	cum	2211.57	
061016	Cement Lime mortar 1:1:6 (1Cement: 1Lime: 6 fine sand)	cum	1797.12	0.775
061020	Extra for random rubble masonry with hard stone in superstructure above plinth level up to floor two level, including levelling up with concrete as per specifications, at window sills, ceiling level and the like	cum	393.60	
061030	Extra for random rubble masonry with hard stone in :			
061031	Square or rectangular pillars	cum	168.84	
061032	Circular pillars	cum	542.26	
061033	Extra for random rubble masonry with hard stone, curved on plan for a mean radius not exceeding 6m	cum	215.74	
	COURSED RUBBLE MASONRY :			
062010	Coursed rubble masonry (1st sort) with hard stone in foundation and plinth with :			
062011	Cement mortar 1:3 (1cement: 3fine sand)	cum	1908.20	1.530
062012	Cement mortar 1:4 (1cement: 4fine sand)	cum	1908.20	1.130
062013	Cement mortar 1:6 (1cement: 6coarse sand)	cum	1932.41	0.750
062014	Cement mortar 1:6 (1cement: 6fine sand)	cum	1908.20	0.750
062015	Lime mortar 1:1:1 (1lime putty: 1surkhi: 1fine sand)	cum	2473.92	
062016	Cement Lime mortar1:1:6 (1Cement: 1Lime: 6 fine sand)	cum	2116.50	0.705
062020	Coursed rubble masonry (2nd sort) with hard stone in foundation and plinth with :			
062021	Cement mortar 1:3 (1cement: 3fine sand)	cum	1763.50	1.530
062022	Cement mortar 1:4 (1cement: 4fine sand)	cum	1763.50	1.130
062023	Cement mortar 1:6 (1cement: 6coarse sand)	cum	1787.71	0.750
062024	Cement mortar 1:6 (1cement: 6fine sand)	cum	1763.50	0.750
062025	Lime mortar 1:1:1 (1lime putty: 1surkhi: 1fine sand)	cum	2329.22	

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
062026	Cement Lime mortar1:1:6 (1Cement: 1Lime: 6 sand ordinary)	cum	1971.80	0.705
062030	Extra for coursed rubble masonry with hard stone (first or second sort) in superstructure above plinth level up to floor two level	cum	332.55	
062040	Extra for coursed rubble masonry with hard stone (first or second sort) in superstructure above floor two level for every floor or part thereof	cum	198.62	
062050	Extra for coursed rubble masonry with hard stone (first or second sort) in :			
062051	Square or rectangular pillars	cum	187.44	
062052	Circular pillars	cum	613.11	
062060	Extra for coursed rubble masonry (first or second sort) with hard stone curved on plan for a mean radius not exceeding 6m	cum	234.53	
	LATERITE MASONRY			
063010	Laterite Masonry in foundation and plinth with :			
063011	Cement mortar 1:3 (1cement: 3 fine sand)	cum	1439.12	1.530
063012	Cement mortar 1:4 (1cement: 4 fine sand)	cum	1439.12	1.130
063013	Cement mortar 1:6 (1cement: 6 coarse sand)	cum	1450.20	0.750
063014	Cement mortar 1:6 (1cement: 6 fine sand)	cum	1439.12	0.750
063015	Lime mortar 1:1:1 (1lime putty: 1surkhi: 1fine sand)	cum	1778.55	
063016	Cement Lime mortar1:1:6(1Cement: 1Lime: 6 sand ordinary)	cum	1564.10	0.705
063020	Extra for Laterite Masonry in superstructure above plinth level upto floor two level	cum	200.37	
063030	Extra for Laterite Masonry in superstructure above floor two level for every floor or part thereof	cum	200.92	
063040	Extra for Laterite masonry in :			
063041	Square or rectangular pillars	cum	104.98	
063042	Circular pillars	cum	307.75	
063050	Extra for Laterite masonry curved on plan for a mean radius not exceeding 6m	cum	165.63	
	ASHLAR MASONRY :			
064010	Stone work plain ashlar in superstructure upto floor two level in cement mortar 1:6 (1cement: 6coarse sand) including pointing with cement mortar 1:2 (1white cement: 2stone dust) with an admixture of pigment matching the stone shade			
064011	Red Sand stone	cum	25797.42	0.490
064012	White Sand stone	cum	24201.34	0.490
064020	Stone work plain ashlar in superstructure upto floor two level in cement mortar 1:4 (1cement: 4coarse sand) including pointing with cement mortar 1:2 (1white cement: 2stone dust) with an admixture of pigment matching the stone shade			
064021	Red sand stone	cum	22255.33	0.690

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
064022	White sand stone	cum	23870.52	0.690
064030	Stone work plain ashlar in arches in cement mortar 1:3 (1cement: 3coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1white cement: 2stone dust) with an admixture of pigment matching the stone shade			
064031	Red sand stone	cum	28032.24	1.070
064032	White sand stone	cum	26707.94	1.070
064040	Stone work plain ashlar in domes in cement mortar 1:3 (1cement: 3coarse sand) including centring, shuttering and pointing with white cement mortar 1:2 (1white cement: 2stone dust) with an admixture of pigment matching the stone shade			
064041	Red sand stone	cum	36397.28	1.070
064042	White sand stone	cum	35072.99	1.070
064050	Stone work ashlar punched (ordinary) in superstructure upto floor two level in cement mortar 1:6 (1 cement: 6coarse sand) including pointing with cement mortar 1:2 (1 white cement: 2stone dust) with an admixture of pigment matching the stone shade			
064051	Red sand stone	cum	25197.86	0.540
064052	White sand stone	cum	23873.56	0.540
064060	Extra for stone work, plain ashlar or ashlar punched above floor two level for every floor or part thereof	cum	397.23	
064070	Extra for plain ashlar or ashlar punched :			
064071	Square or rectangular pillars	cum	1041.87	
064072	Circular pillars	cum	1982.68	
064080	Extra for stone work; plain ashlar or ashlar punched curved on plan with a mean radius not exceeding 6m	cum	724.78	
064090	Extra over Item 064030 for additional cost of centring for arches exceeding 6m span including all strutting, bolting, wedging etc. and removal (area of soffit to be measured)	Sqm	287.30	
	MISCELLANEOUS STONE WORK :			
065010	Stone work (red sand stone) for wall lining etc. (vener work) over 12mm thick bed of cement lime mortar 1:1:6 (1cement: 1lime putty: 6fine sand) including pointing in white cement mortar 1:2 (1white cement: 2stone dust) with an admixture of pigment matching the stone shade. (To be secured to the backing by means of cramps which shall be paid for separately)			
065011	Red sand stone, 70mm thick	Sqm	2078.98	0.045
065012	Red sand stone, 60mm thick	Sqm	1905.23	0.045

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
065013	Red sand stone, 50mm thick	Sqm	1731.87	0.045
065014	Red sand stone, 40mm thick	Sqm	1557.60	0.045
065015	Red sand stone, 30mm thick	Sqm	1383.85	0.045
065020	Stone work (white sand stone) for wall lining etc. (vener work) over 12mm thick bed of cement lime mortar 1:1:6 (1cement: 1lime putty: 6fine sand) including pointing in white cement mortar 1:2 (1white cement: 2stone dust) with an admixture of pigment matching the stone shade. (To be secured to the backing by means of cramps this shall be paid for separately)			
065021	White sand stone, 70mm thick	Sqm	1986.26	0.045
065022	White sand stone, 60mm thick	Sqm	1825.75	0.045
065023	White sand stone, 50mm thick	Sqm	1665.61	0.045
065024	White sand stone, 40mm thick	Sqm	1504.26	0.045
065025	White sand stone, 30mm thick	Sqm	1344.12	0.045
065030	Extra for stone work (vener work) curved on plan with a mean radius not exceeding 6m	cum	1041.87	
065040	Providing and fixing gun metal cramps of required shape for anchoring stone wall lining to the backing or securing adjacent stones in stone wall lining in cement mortar 1:2 (1cement: 2fine sand) including making the necessary chases			
065041	25x6mm – 30cm long	Each	80.69	0.030
065042	15x6mm – 16.5cm long	Each	77.79	0.020
065050	Providing and fixing stone dowels 10x5x2.50cm cut to double wedge shape as per design in cement mortar 1:2 (1cement: 2fine sand) including making the necessary chases	Each	17.31	0.007
065060	Providing and fixing copper pins 7.5cm long 6mm dia. for securing adjacent stones in stone wall lining in cement mortar 1:2 (1Cement: 2 fine sand) including making the necessary chases	Each	15.53	0.007
065070	Providing and fixing sloping chajja of stone 40mm thick and upto 80cm wide beyond the wall as measured along the slope, exposed surface well dressed on both sides, in cement mortar 1:4 (1cement: 4coarse sand) with 12mm diameter anchoring steel bar 45cm long fixed in each stone and supported on and including with bricks cove of class designation 7.5 in cement mortar 1:4 (1cement: 4coarse sand) including pointing in cement mortar 1:2 (1 white cement: 2stone dust) with an admixture of pigment matching the stone shade			
065071	Red sand stone	Sqm	783.71	0.056
065072	White sand stone	Sqm	827.27	0.056

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
065080	Providing and fixing horizontal chajja of stone 40mm thick and upto 80cm projection exposed surface well dressed on both sides, in cement mortar 1:4 (1cement: 4coarse sand) including pointing in white cement mortar 1:2 (1cement: 2stone dust) with an admixture of pigment matching the stone shade			
065081	Red sand stone	Sqm	524.11	0.049
065082	White sand stone	Sqm	565.92	0.049
065090	30 mm thick red sand stone sun-shade (chisel-dressed) supported on red sand stone brackets, fixed in wall with cement mortar 1:4 (1cement: 4coarse sand) including finishing complete including brackets 30 mm thick	Sqm	623.84	0.022
065100	Providing and fixing red sand stone brackets 55x22.5x45cm sunk and moulded including providing and fixing with 4Nos. gun metal cramp 25x6mm, 30cm long and dowel bars 7.5cm long 6mm dia as per design	Each	2054.44	0.030
065110	Stone work, plain in copings, cornices, string courses and plinth courses, in cement mortar 1:6 (1cement: 6coarse sand) including pointing with white cement mortar 1:2 (1white cement: 2stone dust) with an admixture of pigment matching the stone shade			
065111	Red sand stone	cum	30970.91	0.540
065112	White sand stone	cum	29391.90	0.540
065120	Providing and fixing red sand stone shelves fixed in wall in cement mortar 1:3 (1cement: 3coarse sand) including finishing complete			
065121	30 mm thick	Sqm	290.13	0.050
065122	40 mm thick	Sqm	353.37	0.050
065123	50 mm thick	Sqm	493.91	0.050
065124	75 mm thick	Sqm	349.86	0.080
065125	100mm thick	Sqm	427.15	0.080
065130	Providing and fixing red sand stone shelves (chisel dressed) supported on 40x40x6mm T or angle iron brackets 0.75m apart fixed on 15x10x10cm blocks of cement concrete 1:3:6 (1cement: 3coarse sand: 6graded stone aggregate 20mm nominal size) - with all labour and material complete.			
065131	30 mm thick	Sqm	658.31	0.030
065132	40 mm thick	Sqm	721.56	0.030
065133	50 mm thick	Sqm	862.10	0.030
065134	75 mm thick	Sqm	718.04	0.030
065135	100mm thick	Sqm	795.34	0.030
065140	Providing and fixing in cement mortar 1:6 (1cement: 6fine sand) red sand stone slabs 30mm thick over			

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
065141	Drains	Sqm	245.63	0.010
065142	Flue tops	Sqm	243.99	0.020
065150	Providing and fixing stone jali 40mm thick throughout (without sunking and moulding in jali slab) in cement mortar 1:3 (1cement: 3coarse sand) including pointing in white cement mortar 1:2 (1white cement : 2stone dust) with an admixture of pigment, matching stone shade, jali slab without any chamfers etc.			
065151	Red sand stone	Sqm	4603.06	0.020
065152	White sand stone	Sqm	4641.39	0.020
065160	Extra for laying stone work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete	cum per m depth	243.60	
065170	Extra for laying stone work in or under foul position	cum	85.74	
065180	Wall lining butch work upto 10m height with Dholpur stone 40mm thick rough facing on the exposed surface with stone strips of minimum length 230mm and required width including embedding every tenth layer and bottom most layer in masonry or concrete after making necessary chases of size 75x75mm and by providing layer of 75mm thick strips including 12mm thick bed of cement mortar 1:3 (1cement: 3coarse sand) including ruled pointing in cement mortar 1:2 (1white cement: 2stone dust) with an admixture of pigment to match the shade of stone complete as per direction of the Engineer-in-Charge	Sqm	993.43	0.155
065190	Stone work for wall lining upto 10m height etc. (veneer work) over 12mm thick bed of cement mortar 1:3 (1cement: 3coarse sand) and jointed with grey cement slurry @ 3.30kg/ Sqm. including rubbing and polishing complete. (To be secured to the backing by means of cramps which shall be paid for separately) Kota stone slabs rough chiseled, 25mm thick	Sqm	1072.64	0.137
065200	Stone tile work for wall lining upto 10m height with special adhesive like araldite or equivalent over 12mm thick bed of cement mortar 1:3 (1cement: 3coarse sand) including pointing in white cement with an admixture of pigment to match the stone shade			
065201	8mm thick (mirror polishing and machine cut edge) Granite black stone	Sqm	1266.76	0.077
065202	8mm thick (mirror polishing and machine cut edge) Granite brown Ruby Red stone	Sqm	1172.02	0.077
065203	8mm thick (mirror polishing and machine cut edge) Raj Nagar white stone	Sqm	965.79	0.077

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
065210	Extra for stone work for wall lining on exterior walls of height more than 10m from ground level for every additional height of 3m or part	Sqm	47.73	
065220	Dry rubble masonry in retaining walls, toe walls etc.	cum	1283.09	
065230	Bevelling edge in Red Ashlars			
065231	Bevelling edge 2.5cmx2.5cm	metre	6.06	
065232	Bevelling edge 7.5cmx7.5cm	metre	12.12	
065240	Bevelling edge in White Ashlars			
065241	Bevelling edge 2.5cmx2.5cm	metre	8.08	
065242	Bevelling edge 7.5cmx7.5cm	metre	16.16	
065250	Cutting groove, rough dressed in masonry			
065251	Girth not exceeding 15cm	metre	25.20	
065252	Girth exceeding 15cm but not exceeding 30cm	metre	35.54	
065253	Girth exceeding 30cm	metre	50.41	
065260	Cutting groove, well dressed instead of rough dressed			
065261	Girth not exceeding 15cm	metre	38.26	
065262	Girth exceeding 15cm but not exceeding 30cm	metre	53.97	
065263	Girth exceeding 30cm	metre	76.52	
065270	Drilling or cutting holes in hard stone:			
065271	Upto 20 mm dia	metre	161.04	
065272	Exceeding 20 mm and upto 40 mm dia	metre	198.00	
065280	Cutting figures/letters in hard stone upto 80 mm height (depth of cut 6mm)	Each	19.48	
065290	Extra over item 065280 for cutting figures/letters in hard stone over 80 mm height for every additional 20 mm or part thereof.	Each	3.31	
	New Items To Be Added By Zonal Railways			
066010				
066020				
066030				
066040				
066050				
066060				
066070				
066080				
066090				
066100				