

CHAPTER - 5 : BRICK WORK				
Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
051010	Brick work with non-modular (FPS) bricks of class designation 7.5 in foundation and plinth in :			
051011	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 fine sand)	cum	2090.76	0.625
051012	Cement lime mortar 1:2:9 (1 cement : 2 lime putty : 9 fine sand)	cum	2139.32	0.425
051013	Cement mortar 1:3 (1 cement : 3 fine sand)	cum	1964.68	1.270
051014	Cement mortar 1:4 (1 cement : 4 fine sand)	cum	1963.40	0.950
051015	Cement mortar 1:6 (1 cement : 6 fine sand)	cum	1939.88	0.625
051016	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	1825.31	1.270
051017	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	1933.46	0.950
051018	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	1929.39	0.625
051019	In mud mortar. (with contractor's Mud)	cum	1702.28	
051020	Brick work with modular bricks of class designation 7.5 in foundation and plinth in :			
051021	Cement mortar 1:3 (1 cement : 3 fine sand)	cum	2317.66	1.120
051022	Cement Mortar 1:4 (1 cement : 4 fine sand)	cum	2317.66	0.840
051023	Cement Mortar 1:6 (1 cement : 6 fine sand)	cum	2317.66	0.550
051024	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	2226.96	1.120
051025	Cement Mortar 1:4 (1 cement : 4 coarse sand)	cum	2337.11	0.840
051026	Cement Mortar 1:6 (1 cement : 6 coarse sand)	cum	2356.92	0.550
051030	Brick work with machine moulded perforated bricks of class designation 12.5 conforming to IS: 2222 - 1991 in superstructure from beyond plinth level upto 6m above plinth level in cement mortar 1:6 (1 cement : 6 coarse sand)			
051031	With non-modular (FPS) bricks	cum	2780.30	0.625
051032	With Modular bricks	cum	2672.91	0.550
051040	Extra over item 051010 & 051020 for brick work in superstructure beyond plinth level upto floor two	cum	139.25	
051050	Extra for brick work in superstructure beyond second floor level for every 3m or part thereof :	cum	162.03	
051060	Extra for brick work in square or rectangular pillars	cum	169.14	
051070	Extra for brick work in Circular pillars	cum	103.14	
051080	Extra for Making tapered surface of brick masonry	cum	136.28	
051090	Extra for brick work with bricks of class designation 7.5 curved on plan upto a mean radius not exceeding 6 metres	cum	250.09	
051100	Extra for cutting or chamfering of bricks to required shape in masonry work	metre	4.50	

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
051110	Constructing tharry (Platform) with bricks of class designation 7.5 laid on edge in cement mortar 1:4 (1 Cement : 4 coarse sand), cement pointing 1: 2 (1 Cement : 2 fine sand) including necessary excavation and 10cm bed of cement concrete 1:5:10 (1 Cement : 5 fine sand :10 graded stone aggregate, 40mm nominal size) complete	Sqm	388.02	0.313
051120	Extra for forming cavity 5cm to 7.5cm wide in cavity walls with necessary weep and vent holes including use of cores and cost of providing and fixing bitumastic coated M .S. ties 300mm long of 25x3mm section at not less than 3 ties per sqm as	Sqm	56.75	
051130	Providing half brick masonry with FPS bricks of class designation 7.5 in cement mortar 1:3 (1cement: 3coarse sand) in superstructure for closing cavity 5 to 7.5cm wide in cavity wall complete with 10cm / 11.4cm wide bitumen felt type 3 grade1.	metre	79.61	1.430
051140	Brick work 7 cm thick with bricks of class designation 7.5 in cement mortar 1:3 (1 Cement : 3 coarse sand) in superstructure	Sqm	183.82	0.092
051150	Brick work in plain arches in superstructure including centring and shuttering complete for span upto 6 metres with bricks of class designation 7.5 in cement mortar 1:3 (1 Cement : 3 coarse	cum	3685.19	1.280
051160	Brick work in gauged arches in superstructure in cement mortar 1:3 (1 Cement : 3 coarse sand) including centring and shuttering complete, for span upto 6 meters with bricks of class designation 7.5.	cum	4455.82	1.280
051170	Extra for additional cost of centring/shuttering for arches exceeding 6m span including all shuttering, bolting, wedging and removal (Area of the soffit to be measured)	Sqm	287.30	
051180	Half brick masonry with bricks of class designation 7.5 in foundations and plinth in :			
051181	Cement mortar 1:3 (1 cement : 3 coarse sand)	Sqm	231.57	0.143
051182	Cement mortar 1:4 (1 Cement : 4 coarse sand)	Sqm	232.01	0.106
051190	Extra for half Brick masonry in superstructure above plinth level upto floor two level	Sqm	38.21	
051200	Extra for half brick masonry in superstructure above floor two level for every floor or part thereof.	Sqm	14.50	
051210	Extra for providing and placing in position 2 Nos. 6mm dia. M.S.bars at every third course of half brick masonry (with non-modular (FPS) bricks) including cost of M.S. bars	Sqm	0.13	
051220	Extra for providing and placing in position 2 Nos. 6mm dia. M.S.bars at every third course of half brick masonry (with modular bricks) including cost	Sqm	51.06	
051230	Providing brick band/string course 10/7 cm thick 5/5.7 cm projected from wall face, in bricks of class designation 7.5 laid in cement mortar 1:4 (1 cement : 4 coarse sand)	metre	3.89	Extra 0.004

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
	BRICK TILE WORK			
052010	Tile brick masonry with tile bricks of class designation 10 in foundation and plinth in :			
052011	Lime mortar 1:1:1 (1 lime putty : 1 surkhi : 1 fine sand)	cum	3969.40	
052012	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 fine sand)	cum	3492.86	1.000
052013	Cement lime mortar 1:1:6 (1 cement : 1 lime putty : 6 coarse sand)	cum	3528.12	1.000
052014	Cement mortar 1:3 (1 cement : 3 fine sand)	cum	3215.12	2.040
052015	Cement mortar 1:4 (1 cement : 4 fine sand)	cum	3215.12	1.520
052016	Cement mortar 1:6 (1 cement : 6 fine sand)	cum	3215.12	1.000
052017	Cement mortar 1:3 (1 cement : 3 coarse sand)	cum	3239.95	2.040
052018	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	3246.25	1.520
052019	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	3239.74	1.000
052020	Tile brick masonry with machine moulded tile bricks of class designation 12.5 conforming to IS : 2690 (Part I) - 1992 in foundation and plinth in:			
052021	cement mortar 1:6 (1 Cement : 6 coarse sand)	cum	3510.49	1.000
052022	cement mortar 1:4 (1 Cement : 4 coarse sand)	cum	3516.99	1.520
052030	Extra over item 052011 to 052019 for tile bricks masonry with tile bricks of class designation 10 in superstructure beyond plinth level upto floor two level.	cum	365.82	
052040	Extra over item 052011 to 052019 for tile brick masonry with tile bricks of class designation 10 in superstructure above floor two level for every floor or part thereof	cum	204.75	
052050	Deduct from items 052011 to 052019 if tile bricks of class designation 7.5 are specified or permitted by engineer instead of class designation 10 :	cum	270.75	
052060	Extra over Item (Item 052011 and 052021) for tile brick masonry in square or rectangular pillars.	cum	241.51	
052070	Extra over items 052011 and 052021 for tile brick masonry curved on plan upto a mean radius not exceeding 6 metres.	cum	390.69	
052080	Tile brick masonry with tile bricks of class designation 10 in plain arch work in superstructure in cement mortar 1:4 (1 Cement : 4 coarse sand) including centring and shuttering complete	cum	5067.38	1.520
052090	Tile brick masonry with tile bricks of class designation 10 in gauged arch work in superstructure in cement mortar 1:4 (1 Cement : 4 coarse sand) including centring and shuttering complete	cum	5809.89	1.330
052100	Tile brick masonry work 5cm thick with tile bricks of class designation 10 in cement mortar 1:3 (1 cement : 3 coarse sand) in superstructure.	Sqm	206.40	0.077
	HONEY COMB WORK			

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
053010	Honey-comb brick work 10/11.4 cm thick with bricks of class designation 7.5 in cement mortar 1:4 (1 Cement : 4 coarse sand)	Sqm	158.23	0.066
053020	Honey-comb brick work 20/23 cm thick with bricks of class designation 7.5 in cement mortar 1:4 (1 Cement : 4 coarse sand)	Sqm	316.47	0.132
	MOULDING AND CORNICE			
054010	Moulding and cornices with brick masonry in cement mortar 1:4 (1 Cement : 4 coarse sand) (girth to be measured in cm and length in running metre)	metre/cm girth	1.09	Extra 0.004
054020	Extra for laying brick work in or under water and/or liquid mud including cost of pumping or bailing out water and removing slush etc. complete	cum/m depth	243.60	
054030	Extra for laying brick work in or under foul position	cum	85.74	
	EXPOSED BRICK WORK			
055010	Brick work with selected non-modular (FPS) bricks of class designation 7.5 in Exposed brickwork including making horizontal and vertical grooves 10mm wide, 12mm deep complete from ground level upto plinth level in cement mortar			
055011	1:6 (1 Cement : 6 fine sand)	cum	1966.58	0.625
055012	1:6 (1 Cement : 6 coarse sand)	cum	1981.97	0.625
055020	Brick work with modular bricks of class designation 7.5 in Exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar			
055021	1:6 (1 Cement : 6 fine sand)	cum	2031.66	0.550
055022	1:6 (1 Cement : 6 coarse sand)	cum	2082.89	0.550
055030	Brick work with machine moulded modular bricks of class designation 12.5 in Exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar			
055031	1:6 (1 Cement : 6 fine sand)	cum	2201.40	0.550
055032	1:6 (1 Cement : 6 coarse sand)	cum	2214.94	0.550
055040	Brick work with machine moulded non-modular (FPS) bricks of class designation 12.5 in Exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete from ground level upto plinth level in cement mortar			
055041	1:6 (1 Cement : 6 fine sand)	cum	2287.32	0.550
055042	1:6 (1 Cement : 6 coarse sand)	cum	2300.04	0.550

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
055050	Brickwork with machine moulded / perforated non-modular (FPS) bricks of class designation 12.5 conforming to IS : 2222-1991 in Exposed brick work including making horizontal and vertical grooves 10 mm wide 12mm deep complete from ground level upto plinth level in cement mortar			
055051	1:6 (1 Cement : 6 fine sand)	cum	2587.32	0.625
055052	1:6 (1 Cement : 6 coarse sand)	cum	2600.04	0.625
055060	Extra for exposed brickwork in superstructure above plinth level upto floor two level.	cum	447.05	
055070	Brickwork with clay fly ash FPS bricks of class designation 75 in superstructure above plinth level upto floor two level. In:			
055071	Cement lime mortar 1:2:9 (1cement: 2 lime putty: 9fine sand).	cum	2592.34	0.425
055072	Cement lime mortar 1:1:6 (1cement: 1lime putty: 6coarse sand).	cum	2564.65	0.625
055073	Cement mortar 1:4 (1 cement: 4 fine sand).	cum	2369.03	0.950
055074	Cement mortar 1:6 (1 cement: 6 fine sand).	cum	2369.03	0.625
055075	Cement mortar 1:4 (1 cement: 4 coarse sand).	cum	2388.48	0.950
055076	Cement mortar 1:6 (1 cement: 6 coarse sand).	cum	2384.42	0.625
055080	Extra for exposed brickwork / clay fly ash brickwork in superstructure above floor two level, for every floor or part thereof.	cum	271.79	
055090	Brickwork with modular fly ash lime bricks (FALG Bricks) conforming to IS:12894-1989, class designation 10 in superstructure above plinth level upto floor two level in :			
055091	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	2253.62	0.836
055092	Cement mortar 1:4 (1 cement : 4 fine sand)	cum	2236.50	0.836
055093	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	2250.04	0.550
055094	Cement mortar 1:6 (1 cement : 6 fine sand)	cum	2236.50	0.550
	Note for item No. 055090 : These items will be operated only for load bearing structure upto 2 storeys and for non-load bearing walls 23cm thick in multi-storeyed building			
055100	Brick work with modular calcium silicate bricks machine moulded conforming to IS:41398-1989, class designation 10 in superstructure above plinth level upto floor two level in :			
055101	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	3076.04	0.836
055102	Cement mortar 1:4 (1 cement : 4 fine sand)	cum	3058.92	0.836
055103	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	3072.46	0.550
055104	Cement mortar 1:6 (1 cement : 6 fine sand)	cum	3058.92	0.550
055110	Brick work with modular extruded burnt fly ash clay sewer bricks (conforming to IS: 4885 - 1988) in foundation and plinth			
055111	Cement mortar 1:4(1 cement : 4 coarse sand)	cum	2860.11	0.836
055112	Cement mortar 1:5 (1 cement : 5 fine sand)	cum	2959.73	0.682

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
055120	Brick work with modular extruded burnt fly ash sewer bricks (conforming to IS: 4885 - 1988) in arches in foundation and plinth in cement mortar 1:3 (1cement: 3fine sand)	cum	4890.32	1.120
055130	Deduct from any brickwork item, if bricks (FPS) supplied by railway	Cum	1306.63	
055140	Deduct from any brickwork item, if brickbats supplied by railways	cum	208.78	
055150	Joining old brickwork with new brickwork	Sqm	61.75	0.020
	CC BLOCK MASONRY			
056010	Cement Concrete Hollow Block Masonry in foundation and plinth with:(factory made blocks)			
056011	Cement mortar 1:3 (1cement: 3fine sand)	cum	4177.73	As Per Site Decision
056012	Cement mortar 1:4 (1cement: 4fine sand)	cum	4177.73	As Per Site Decision
056013	Cement mortar 1:6 (1cement: 6coarse sand)	cum	4191.11	As Per Site Decision
056014	Cement mortar 1:6 (1cement: 6fine sand)	cum	4177.73	As Per Site Decision
056020	Extra over Item 056010 for Cement Concrete Hollow Block masonry in superstructure above plinth level upto floor two level	cum	348.13	
056030	Extra over Item 056010 for Cement Concrete Hollow Block masonry in superstructure above floor two level for every floor or part thereof	cum	271.79	
056040	Cement Concrete Solid Block Masonry in foundation and plinth with:(factory made blocks)			
056041	Cement mortar 1:3 (1cement: 3fine sand)	cum	4716.74	As Per Site Decision
056042	Cement mortar 1:4 (1cement: 4fine sand)	cum	4716.74	As Per Site Decision
056043	Cement mortar 1:6 (1cement: 6coarse sand)	cum	4730.12	As Per Site Decision
056044	Cement mortar 1:6 (1cement: 6fine sand)	cum	4716.74	As Per Site Decision
056050	Extra over Item 056040 for Cement Concrete Solid Block masonry in superstructure above plinth level upto floor two level	cum	429.86	
056060	Extra over Item 056040 for Cement Concrete Solid Block masonry in superstructure above floor two level for every floor or part thereof	cum	326.15	
	MISCELLANEOUS			
057010	Reinforced brickwork with well burnt bricks in lintels and shelves with cement mortar 1:2 (1 cement: 2 coarse sand) including centering and shuttering and fabrication of steel reinforcement complete. (Reinforcement to be paid separately)	cum	2317.90	1.610
057020	Cutting vertical/horizontal/sloping chase in old brickwork upto 10X10 Cm and making good the same with CC 1:2:4 or CM 1:2 as per site conditions	metre	50.43	0.020

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
057030	Making holes in old brick walls upto 15 cm square, fixing bolts clamps etc and making good the same with CC 1:2:4 or CM 1:2 as per site conditions	Each	48.69	0.010
057040	Cutting holes, 0.1 sqm size, for bathroom drains, exhaust fan holes or for similar purposes etc including repairs			
057041	In 10/11.5cm thick walls	Each	7.29	0.010
057042	In 20/23cm thick walls	Each	14.57	0.020
057043	In 30/34.5cm thick walls	Each	19.17	0.030
057050	Stripping off / Chipping and cleaning bricks recovered from dismantled masonry including	1000 Nos.	240.04	
057060	Extra to rates for steining in wells with bricks, FPS/Modular of designation 12.5/10/7.5			
057061	Upto 2 m inside dia.	cum	748.01	
057062	Above 2 m and upto 6 m inside dia.	cum	725.74	
057070	Jack arching (brick work only) 115 cm thick (Class designation 7.5 - non-modular (FPS) / Modular) including all lead and lift at any floor			
057071	In cement mortar 1:3	Sqm	307.68	0.153
057072	In cement mortar 1:4	Sqm	308.51	0.114
057080	Changing weathered bricks(Class designation 7.5 - non-modular (FPS) / Modular) in building or bridges in cement mortar 1:4	Each	5.61	0.002
057090	Cutting bricks to different sizes for work like ornamental cornice etc. where each brick has to be cut to produce the finished work when not covered in original rates	100 no.	34.96	
057091	Extra rate for brickwork in coping including	cum	140.52	
057092	Fixing wooden plugs (average size 40mm x40 mm x75 mm) in walls or floors and finishing the surface, complete in Brickwork	Each	15.26	
057100	Add or deduct from rates of brickwork when the bricks specified or permitted to be used by Engineer are of Class designation other than 7.5			
057101	Add for Class designation 12.5	cum	381.68	
057102	Add for Class designation 10	cum	295.62	
057103	Deduct for Class designation 5	cum	181.34	
057104	Deduct for Class designation 3.5	cum	276.77	
057110	Add or deduct from rates of brickwork when the machine moulded bricks specified or permitted to be used by Engineer are of Class designation other than 12.5			
057111	Deduct for Class designation 10	cum	37.41	
057112	Deduct for Class designation 7.5	cum	74.14	

Item No.	Description of Item	Unit	Rate (Rs.)	Cement Qty.(qtl.)
057120	Making plinth protection with bricks of class designation 75 laid on edge in cement mortar 1:6 (1cement: 6coarse sand) with 12mm thick bed of cement mortar 1:6 (1cement: 6coarse sand) over 75mm bed of cement dry brick aggregate 40mm nominal size rammed, consolidated and grouted with fine sand and the top of bricks pointed with cement mortar 1:3 (1cement: 3fine sand.)			
057121	With non-modular (FPS) bricks	Sqm	368.61	0.105
057122	With Modular bricks	Sqm	425.00	0.097
057130	Brick edging (approx) 7cm wide 11.4cm deep to plinth protection / along road edges with bricks of class designation 7.5 including grouting with cement mortar 1:4 (1cement: 4fine sand)	metre	17.57	0.014
057140	Edging with bricks laid dry length wise(App 7.5cm deep) including excavation, refilling, consolidating with hand packing and spreading neatly surplus earth within a lead of 50metres			
057141	7.5 class designation, non-modular (FPS) / modular bricks	metre	16.28	
057142	5 class designation, non-modular (FPS) / modular bricks	metre	12.79	
057150	Providing brick edging (with bricks of class designation 7.5) 22.5 cm wide and 11.5 cm deep laid dry including excavation refilling and disposal of surplus earth within 50m	metre	45.60	
057160	Providing toothed (diagonal) brick edging (with bricks of class designation 7.5) laid dry along paths etc with FPS/ Modular bricks	metre	22.36	
057170	Providing and fixing 50mm overall thickness, non-asbestos fibre reinforced aerated cement sandwich modules made out of light weight fibre reinforced aerated cement concrete core composed of portland cement, fly ash, binders etc. and 4mm thick non-asbestos fiber cement boards conforming to IS:14862-2000 and ISO 8336-1993 (E) on either side of the core having a tongue and groove on longitudinal side of the modules. These solid wall panel modules are installed using galvanised iron steel channels 1.0mm thick and of size 15 x 50 x 25 mm as bottom track; size 38 x 50 x 38mm as top track for fixing to floor and top of wall respectively including all necessary material required for grouting of joints, fixtures etc. complete as per directions of engineer in charge. (for payment net area of wall to be measured)	Sqm	1676.30	
	New Items To Be Added By Zonal Railways			
058010				
058020				
058030				