

CHAPTER NO. 11

BRICK WORK

Notes :-

- (i) Unless otherwise stated, the labour rates include the cost of rehandling of materials within 100 metres.
- (ii) These rates are meant for small engineering works where the total quantity of Brick work does not exceed 15 cum and for all building works and boundry walls. The labour rates for large engineering works except building works and boundry walls involving more than 15 cum of brick work shall be reduced by ten per cent and the through rates shall be reduced correspondingly.
- (iii) Through rate for brick work with 2nd class Bricks will be reduced by Rs. 180/- per cum, than the rates with first class Bricks for that item of work.
- (iv) The labour rates as well as through rates include the cost of water. In case water is supplied free by the department, rates will be reduced accordingly.
- (v) The rates for brick work done upto 1.5 metres height above the top of foundation concrete in case of compound walls and in other Engineering works, is the same as for brick work in foundation and plinth.
- (vi) The Labour rate given in this chapter include the cost of water, tools and plants, scaffolding (Labour & Materials) and cost of good earth for mud mortar and mud plaster, where ever required.
- (vii) To the extent the plinth area of an inter floor called mezzanine remains within and upto 40 per cent of the plinth area for the main storey of the building immediately below the said inter floor such an inter floor should be regarded as mezzanine and if plinth area of the inter floor exceeds this limiting figure of 40 per cent than the inter floor should be regarded for purpose of item No. 11.29 of this chapter, as a regular storey. A mezzanine floor is not to be regarded as a separate additional storey in the structure for purpose of allowing extra rate for brick work under item No. 11.29. In the case of a building storey having such a mezzanine, therefore the storey shall be considered for the full height as if ignoring the existence of the mezzanine inter floor.
- (viii) Regarding the payment of *extra* rate, for subsequent storey above ground level, the structure above plinth level, on natural ground level, will be considered as first storey.
- (ix) The rate for this chapter has been worked out with fine sand.If coarse sand is to be used then extra rate as per item no.11.73 will provided.
- (x) Ground hydrated lime shall be used in all items of brick work in lime mortar.

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
11.1	First class burnt brick work laid in cement sand mortar 1:7 in foundation and plinth.	cum	355.18	2354.35	390.70	2389.87
11.2	First class burnt brick work laid in cement sand mortar 1:7 in first storey upto 4 metres above plinth level.	cum	537.78	2536.95	591.56	2590.73

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
11.3	First class burnt brick work laid in cement sand mortar 1:6 in foundation and plinth.	cum	355.18	2412.63	390.70	2448.15
11.4	First class burnt brick work laid in cement sand mortar 1:6 in first storey upto 4 metres above plinth level.	cum	537.78	2595.23	591.56	2649.01
11.5	First class burnt brick work laid in cement sand mortar 1:5 in foundation and plinth.	cum	355.18	2485.48	390.70	2521.00
11.6	First class burnt brick work laid in cement sand mortar 1:5 in first storey upto 4 metres above plinth level.	cum	537.78	2668.08	591.56	2721.86
11.7	First class burnt brick work laid in cement sand mortar 1:4 in foundation and plinth.	cum	355.18	2572.89	390.70	2608.41
11.8	First class burnt brick work laid in cement sand mortar 1:4 in first storey upto 4 metres above plinth level.	cum	537.78	2755.49	591.56	2809.27
11.9	First class burnt brick work laid in cement sand mortar 1:3 in foundation and plinth.	cum	355.18	2762.29	390.70	2797.81
11.10	First class burnt brick work laid in cement sand mortar 1:3 in first storey upto 4 metres above plinth level.	cum	537.78	2944.89	591.56	2998.67
11.11	First class burnt brick work laid in cement sand mortar 1:2 in first storey upto 4 metres above plinth level.	cum	537.78	3250.84	591.56	3304.62
11.12	First class burnt brick work laid in lime surkhi, mortar 1:2 (One lime and two surkhi)in foundation and plinth.	cum	355.18	2659.36	390.70	2694.88
11.13	First class burnt brick work laid in lime surkhi, mortar 1:2 (One lime and two surkhi) in first storey upto 4 metres above plinth level.	cum	537.78	2841.96	591.56	2895.74
11.14	First class burnt brick work laid in lime surkhi, sand mortar 1:1:1 (One lime One surkhi, one sand) in foundation and plinth.	cum	355.18	2669.68	390.70	2705.20
11.15	First class burnt brick work laid in lime surkhi, sand mortar 1:1:1 (One lime, One surkhi one sand) in first storey upto 4 metres above plinth level.	cum	537.78	2852.28	591.56	2906.06

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
11.16	First class burnt brick work laid in cement, lime, sand mortar 1:1:6 (One cement, One lime, six sand) in foundation and plinth.	cum	355.18	2595.88	390.70	2631.40
11.17	First class burnt brick work laid in cement, lime, sand mortar 1:1:6 (One cement, One lime, and six sand) in first storey upto 4 metres above plinth level.	cum	537.78	2778.48	591.56	2832.26
11.18	First class burnt brick work laid in cement lime, sand mortar 1:2:9 (One cement, two lime and nine sand) in foundation and plinth.	cum	355.18	2542.52	390.70	2578.04
11.19	First class burnt brick work laid in cement lime, sand, mortar 1:2:9 (One cement, two lime and Nine sand) in first storey upto 4 metres above plinth level.	cum	537.78	2725.12	591.56	2778.90
11.20	First class burnt brick work laid in cement, lime, sand, mortar 1:3:12 (One cement, three lime and twelve sand) in foundation and plinth.	cum	355.18	2518.74	390.70	2554.26
11.21	First class burnt brick work laid in cement, lime, sand mortar 1:3:12 (One cement, three lime and twelve sand) in first storey upto 4 metres above plinth level	cum	537.78	2725.12	591.56	2778.90
11.22	115mm thick brick wall laid in cement, lime, sand mortar 1:1:6 (One Cement, one lime, six sand) in superstructure upto 4 metres above plinth level.	sqm	79.39	337.16	87.33	345.10
11.23	First class burnt brick work laid in mud mortar in foundation and plinth.	cum	337.64	1989.72	371.40	2023.48
11.24	First class burnt brick work laid in mud mortar in first storey upto 4 metres above plinth level.	cum	405.51	2057.59	446.06	2098.14
11.25	Extra for laying brick work in or under foul position.	cum	78.80	78.80	86.68	86.68
11.26	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 per approved design.	cum	35.30	60.06	38.83	63.59

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
11.27	Brick work with machine moulded modular bricks of class designation 125 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete above plinth level in super structure in cement mortar 1:6 (1 cement : 6 fine sand).	cum	384.71	2943.44	423.18	2981.91
11.28	Brick work with selected F.P.S. bricks of class designation 105 in exposed brick work including making horizontal and vertical grooves 10mm wide 12mm deep complete above plinth level in super structure. in cement mortar 1:6 (1 cement : 6 fine sand)	cum	498.05	2621.27	547.86	2671.08
11.29	(a) Extra for additional storey upto 4 metres above the top of structural roof of lower storey.	cum	54.86	54.86	60.35	60.35
	(b) Extra for brick work done above 4 meters (where any single storey exceeds 4 metres in height) for every additional height of 2 metres or part thereof.	cum	54.86	54.86	60.35	60.35
	(c) Extra for 115mm thick brick walls for additional storey upto 4 meters above the top of structural roof of lower storey.	sqm	4.50	4.50	4.95	4.95
	(d) Extra for 115mm thick brick work of walls done above 4 meters (where any single storey exceeds 4 meters in height) for every additional height of 2 meters or parts thereof.	sqm	4.50	4.50	4.95	4.95
11.30	(a) Extra for profile walls.	cum	36.08	36.08	39.69	39.69
	(b) Extra for flared out walls of syphons, super-passages, falls etc.	cum	53.02	53.02	58.32	58.32
11.31	Extra for burnt brick work in square or rectangular pillars in building.	cum	163.16	163.16	179.48	179.48
11.32	Extra for burnt brick work in circular pillars constructed with dressed bricks including cost of dressing bricks	cum	400.12	886.96	440.13	926.97
11.33	Extra for burnt brick work in arches including cost of shuttering :-					
	(a) Upto 1.5 metres span	cum	65.20	186.92	71.72	193.44

Sr. No.	Description		Unit	Plains		Sub-Mountainous	
				Labour Rate	Through Rate	Labour Rate	Through Rate
1	2		3	4	5	6	7
	(b)	more than 1.5 metres but upto 3 metres span.	cum	110.43	301.69	121.47	312.73
	(c)	more than 3 metres but upto 6 metres span.	cum	148.73	392.15	163.60	407.02
11.34	115 mm thick brick wall with every fourth course reinforced with hoop iron laid in 1 :4 cement sand mortar in super structure.		sqm	87.03	374.81	95.73	383.51
11.35	115 mm thick brick wall laid in cement mortar 1:4 without reinforcement in foundation and plinth.		sqm	66.44	323.08	73.08	329.72
11.36	115 mm thick brick wall laid in cement sand mortar 1:4 without reinforcement in super structure.		sqm	78.33	334.32	86.16	342.15
11.37	115mm thick brick wall in cement sand mortar 1:5 without reinforcement in foundations and plinth.		sqm	66.44	314.35	73.08	320.99
11.38	115mm thick brick wall in cement sand mortar 1:5 without reinforcement in superstructure.		sqm	78.33	325.60	86.16	333.43
11.39	75 mm thick brick wall laid in cement sand mortar 1:4 with every alternate course reinforced with hoop iron in superstructure.		sqm	83.92	300.55	92.31	308.94
11.40	First class 115mm thick honey-comb burnt brick work laid in cement sand mortar 1:4		sqm	106.22	283.64	116.84	294.26
11.41	First class 225mm thick honey-comb burnt brick work laid in cement sand mortar 1:4		sqm	134.72	505.09	148.19	518.56
11.42	Providing 75mm first class burnt brick drip course at junction of roof and walls laid in cement sand mortar 1:4 including dressing of bricks.		m	31.65	70.09	34.82	73.26
11.43	Providing first class burnt brick on edge drip course at the junction of roof and walls in cement sand mortar 1:4 including dressing of bricks.		m	47.69	105.35	52.46	110.12
11.44	Reinforced brick work in lintels 1:3 Cement sand mortar excluding steel reinforcement.		cum	758.04	3248.13	833.84	3323.93

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
11.45	First class brick tile masonry with 22.86cm. x 11.43cm x 3.81cm tiles in cement sand mortar 1:4 in first storey upto 4 metres above plinth level.	cum	780.14	4342.79	858.15	4420.80
11.46	First class brick tile masonry with 22.86cm. x 11.43cm x 3.81cm tiles in cement sand mortar 1:6 in first storey upto 4 metres above plinth level.	cum	780.14	4065.98	858.15	4143.99
11.47	Extra for brick tile masonry in additional storey upto 4 metres above the top of structural roof of lower storey.	cum	73.87	73.87	81.26	81.26
11.48	Extra for brick tile masonry in square or rectangular pillars.	cum	197.71	197.71	217.48	217.48
11.49	Tile facing with 22.86 cmx11.43cmx3.81cm tile laid in cement sand mortar 1:4 in first storey upto 4 metres above plinth level without steel reinforcement.	sqm	121.91	288.54	134.10	300.73
11.50	Tile facing with 22.86 cmx11.43cmx3.81cm tiles laid in cement sand mortar 1:4 in first storey upto 4 metres above plinth level with steel reinforcement.	sqm	121.91	314.62	134.10	326.81
11.51	Brick and brick tile jali with 22.86cm x 11.43cm thick alternate layers laid in cement sand mortar 1:4 using 30 numbers bricks and 30 numbers brick tiles 22.86cm x 11.43cm x 3.81cm.	sqm	91.69	317.50	100.86	326.67
11.52	Extra for tile facing in additional storey upto 4 metres above the top of structural roof of the lower storey.	sqm	11.21	11.21	12.33	12.33
11.53	Brick jali with 22.86cm x 11.43cm thick alternate layers laid in cement sand mortar 1:4 using 58 number bricks.	sqm	116.71	369.23	128.38	380.90
11.54	V-shaped brick jali in 22.86 cm thick walls laid in cement sand mortar 1:6 finished with 12mm thick cement sand plaster 1:6 including making straight edges with plaster.	sqm	403.57	789.13	443.93	829.49
11.55	Dressed or moulded three brick cornice laid in cement sand mortar 1:4 including 12mm thick cement plaster 1:4 or pointing as required.	m	140.85	220.47	154.94	234.56

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
11.56	Dressed or moulded two brick cornice laid in cement sand mortar 1:4 including 12mm thick cement plaster 1:4 or pointing as required.	m	91.08	134.22	100.19	143.33
11.57	Dressed or moulded one brick cornice laid in cement sand mortar 1:4 including 12mm thick cement plaster 1:4 or pointing as required.	m	45.04	61.97	49.54	66.47
11.58	Corbelling around almirah including 12mm thick cement plaster 1:6	m	24.59	60.28	27.05	62.74
11.59	Maroo-corners making from first class burnt bricks and fixing in position with cement sand mortar 1:4	each	61.47	82.34	67.62	88.49
11.60	Dressing, chamfering of bricks to required shape in masonry work.	each	2.13	2.13	2.34	2.34
11.61	Replacing kallar eaten bricks.	each	3.11	7.73	3.42	8.04
11.62	Providing & Laying brick work laid dry in walls.	cum	156.68	1808.76	172.35	1824.43
11.63	Extra for specially moulded radiated work in arches of egg-shaped sewers circular barrels and similar drainage works excluding cost of centring and moulds.	cum	183.91	183.91	202.30	202.30
11.64	Extra for specially moulded brick work in circular work such as well shafts circular sumps, pump chambers etc. in which specially moulded or cut bricks have to be used but for which no centring or supports are required upto 4.5 metre internal diameter.	cum	130.13	130.13	143.14	143.14
11.65	Chiselling sides of head regulator and others brick works to increase gullet width.	sqm	159.63	159.63	175.59	175.59
11.66	Fire brick work in lining of fire-places, flues etc. (except chimney -shafts)	cum	923.92	8592.89	1016.31	8685.28
11.67	Pise work (Mud walling) including the cost of earth, water and laying the earth into shape, pruning and scraping, complete in all respects.	cum	213.67	213.67	235.04	235.04
11.68	Extra labour for first class burnt brick masonry in well steining of square, rectangular or ploygonal wells.	cum	446.48	446.48	491.13	491.13

Sr. No.	Description	Unit	Plains		Sub-Mountainous	
			Labour Rate	Through Rate	Labour Rate	Through Rate
1	2	3	4	5	6	7
11.69	Extra labour for first class burnt brick masonry in well steining of circular wells.	cum	491.13	491.13	540.24	540.24
11.70	76mm thick brick architrave to windows and ventilators 115mm projected laid in cement sand mortar 1:4 including 12mm thick cement plaster 1:4	m	20.23	51.16	22.25	53.18
11.71	Providing 5.55cm brick daily facing with brick size 22.86cm x 5.55cm x 6.83cm to be obtained after cutting from full brick size of 22.86cm x 11.11cm x 6.83cm laid in cement sand mortar 1:3 on RCC lintels, beams, facia etc.	sqm	84.70	290.50	93.17	298.97
11.72	Providing and laying autoclaved aerated cement blocks masonry with 100mm thick AAC blocks in super structure above plinth level in cement mortar 1:4 (1 cement : 4 fine sand) The rate includes providing and placing in position 2 Nos. 6 mm dia M.S. bars at every third course of masonry work.	cum	468.72	3803.30	515.59	3850.17
11.73	Extra cost for using coarse sand instead of fine sand in brick masonry.					
	(a) For solid masonry	cum	---	22.25	---	22.25
	(b) For 115 mm thick masonry	sqm	---	2.58	---	2.58